

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012313.D
 Acq On : 11 Sep 2019 20:17
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:26:37 AM

Quant Time: Sep 12 06:52:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	123318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	223855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	210528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	90003	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	5.48	113	70880	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	8.71	98	261385	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.14	95	113024	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	40867	40.534	ug/l	99
3) Chloromethane	1.31	50	43299	47.644	ug/l	100
4) Vinyl Chloride	1.40	62	40616	45.073	ug/l	99
5) Bromomethane	1.62	94	22790	63.667	ug/l	99
6) Chloroethane	1.71	64	27410	45.489	ug/l	100
7) Trichlorofluoromethane	1.92	101	71115	43.606	ug/l	99
8) Diethyl Ether	2.17	74	27879	50.098	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	51348	46.717	ug/l	100
10) Methyl Iodide	2.50	142	35783	34.205	ug/l	99
11) Tert butyl alcohol	3.03	59	43751	235.802	ug/l	97
12) 1,1-Dichloroethene	2.36	96	44163	47.327	ug/l	99
13) Acrolein	2.28	56	23602	258.966	ug/l	98
14) Allyl chloride	2.72	41	89919	47.264	ug/l	99
15) Acrylonitrile	3.13	53	92287	268.278	ug/l	98
16) Acetone	2.43	43	85038	206.037	ug/l	98
17) Carbon Disulfide	2.56	76	86048	43.913	ug/l	98
18) Methyl Acetate	2.76	43	46849	54.004	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	185753	50.407	ug/l	96
20) Methylene Chloride	2.84	84	63678	49.422	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	52743	47.375	ug/l	95
22) Diisopropyl ether	3.84	45	215410	49.509	ug/l	97
23) Vinyl Acetate	3.80	43	688257	257.827	ug/l	98
24) 1,1-Dichloroethane	3.68	63	113181	48.564	ug/l	99
25) 2-Butanone	4.65	43	127768	242.160	ug/l	98
26) 2,2-Dichloropropane	4.56	77	91617	41.872	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	70245	48.872	ug/l	98
28) Bromochloromethane	5.00	49	57547	52.650	ug/l	99
29) Tetrahydrofuran	5.12	42	78287	275.007	ug/l	100
30) Chloroform	5.20	83	127729	48.603	ug/l	98
31) Cyclohexane	5.57	56	72468	44.764	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	105526	46.763	ug/l	99
36) 1,1-Dichloropropene	5.79	75	74638	45.726	ug/l	99
37) Ethyl Acetate	4.82	43	54318	53.833	ug/l	99
38) Carbon Tetrachloride	5.77	117	86155	44.988	ug/l	90

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	79798	44.547	ug/l	98
40) Benzene	6.13	78	236699	47.913	ug/l	96
41) Methacrylonitrile	5.03	41	33041	53.117	ug/l	97
42) 1,2-Dichloroethane	6.18	62	96118	49.227	ug/l	99
43) Isopropyl Acetate	6.44	43	109395	51.424	ug/l	99
44) Trichloroethene	7.20	130	63179	47.256	ug/l	98
45) 1,2-Dichloropropane	7.51	63	66201	48.412	ug/l	99
46) Dibromomethane	7.65	93	37933	50.756	ug/l	98
47) Bromodichloromethane	7.89	83	98345	48.220	ug/l	98
48) Methyl methacrylate	7.76	41	53439	52.481	ug/l	97
49) 1,4-Dioxane	7.73	88	14167	1031.067	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	288810	257.236	ug/l	100
52) Toluene	8.78	92	155242	47.575	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	95356	46.843	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	105384	46.686	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	59155	51.090	ug/l	96
56) Ethyl methacrylate	9.17	69	80152	51.127	ug/l	99
57) 1,3-Dichloropropane	9.37	76	100183	50.661	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	210296	261.728	ug/l	100
59) 2-Hexanone	9.48	43	202091	258.875	ug/l	98
60) Dibromochloromethane	9.57	129	67547	49.972	ug/l	99
61) 1,2-Dibromoethane	9.67	107	54500	50.567	ug/l	100
64) Tetrachloroethene	9.33	164	55066	49.457	ug/l	97
65) Chlorobenzene	10.14	112	180076	46.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	70492	48.612	ug/l	99
67) Ethyl Benzene	10.25	91	318456	46.547	ug/l	96
68) m/p-Xylenes	10.36	106	235656	93.570	ug/l	97
69) o-Xylene	10.70	106	116494	47.218	ug/l	100
70) Styrene	10.71	104	211177	48.263	ug/l	99
71) Bromoform	10.85	173	37482	49.847	ug/l #	98
73) Isopropylbenzene	11.01	105	318315	45.271	ug/l	100
74) N-amyl acetate	10.89	43	102144	48.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	76409	50.599	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	67073m	48.885	ug/l	
77) Bromobenzene	11.25	156	79030	48.819	ug/l	98
78) n-propylbenzene	11.35	91	388690	45.777	ug/l	99
79) 2-Chlorotoluene	11.42	91	244156	46.412	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	298175	47.156	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20324	44.382	ug/l	96
82) 4-Chlorotoluene	11.51	91	296143	46.843	ug/l	100
83) tert-Butylbenzene	11.77	119	281642	45.871	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	302499	46.278	ug/l	97
85) sec-Butylbenzene	11.94	105	334608	45.674	ug/l	100
86) p-Isopropyltoluene	12.06	119	312273	46.133	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	156648	47.502	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	159650	47.877	ug/l	99
89) n-Butylbenzene	12.39	91	305333	46.022	ug/l	99
90) Hexachloroethane	12.59	117	58529	46.943	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	148513	48.685	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15663	50.816	ug/l	98

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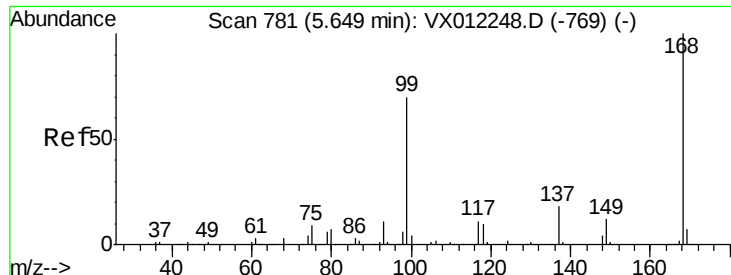
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	105644	50.148	ug/l	99
94) Hexachlorobutadiene	13.78	225	52198	49.807	ug/l	98
95) Naphthalene	13.83	128	240858	53.277	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	96687	51.872	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 123318

Ion Ratio Lower Upper

168 100

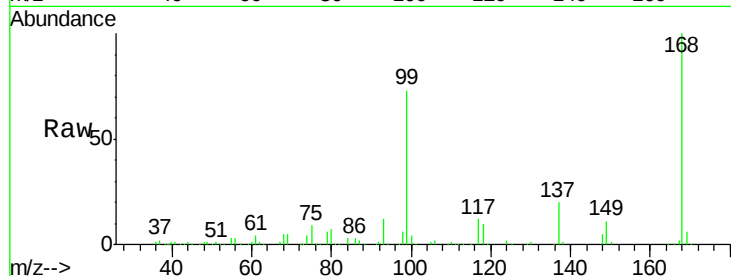
99 73.1 55.8 83.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

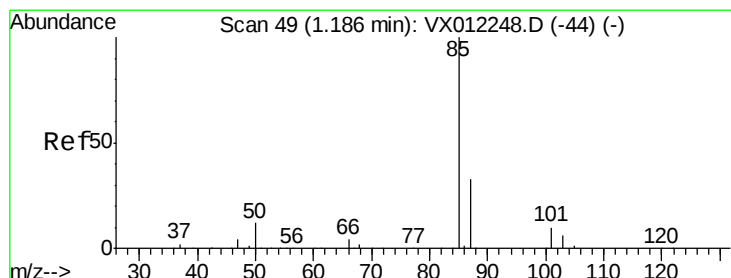
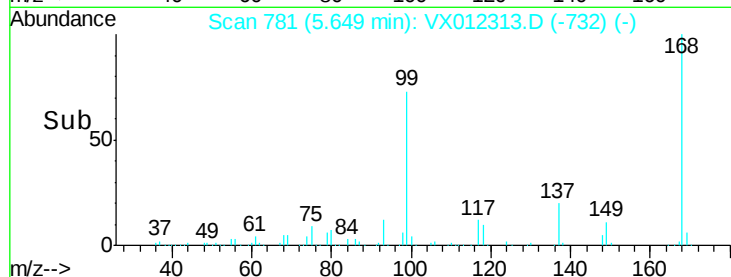
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.534 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012313.D

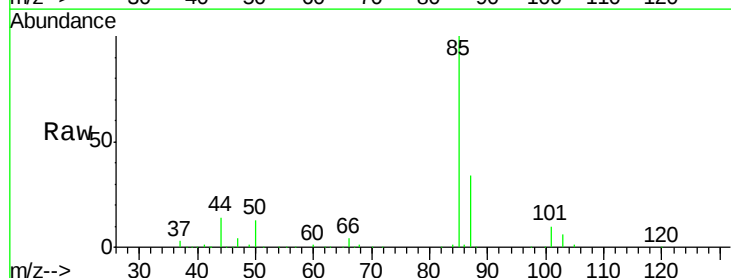
Acq: 11 Sep 2019 20:17

Tgt Ion: 85 Resp: 40867

Ion Ratio Lower Upper

85 100

87 33.9 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

40000

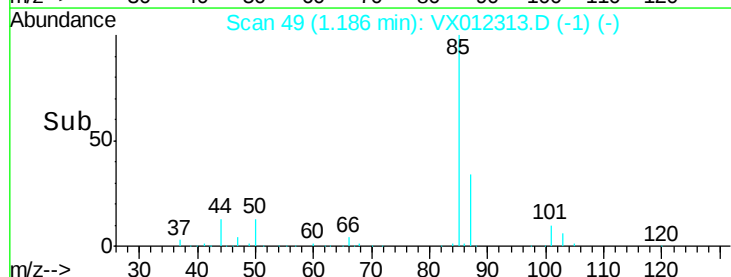
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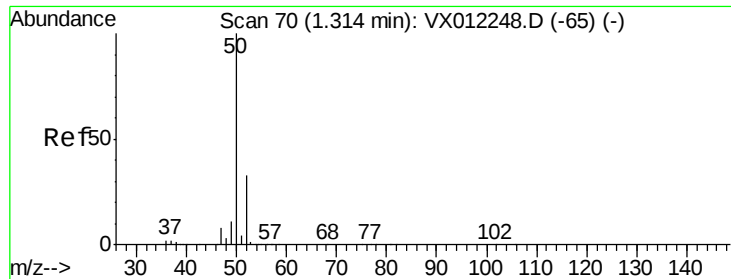
20000

10000

0

Time-->





#3

Chloromethane

Concen: 47.644 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 43299

Ion Ratio Lower Upper

50 100

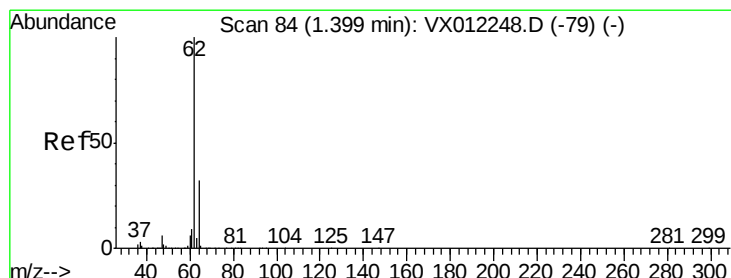
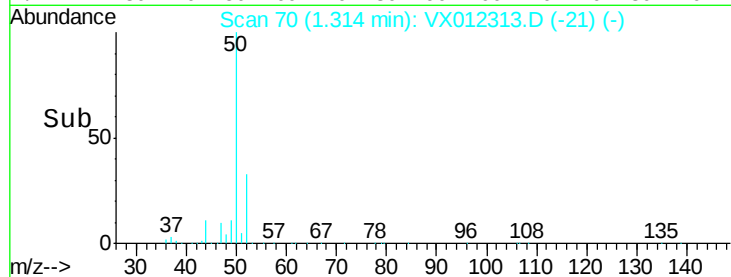
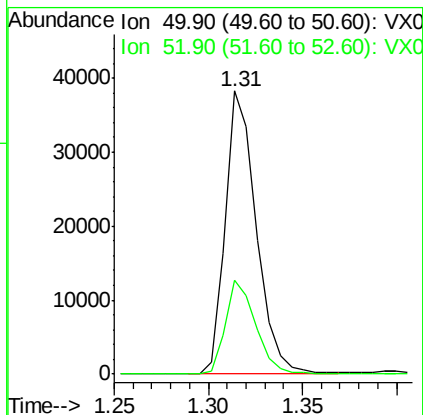
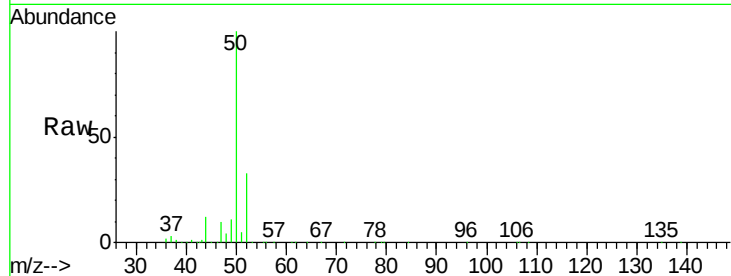
52 33.2 26.7 40.1

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#4

Vinyl Chloride

Concen: 45.073 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012313.D

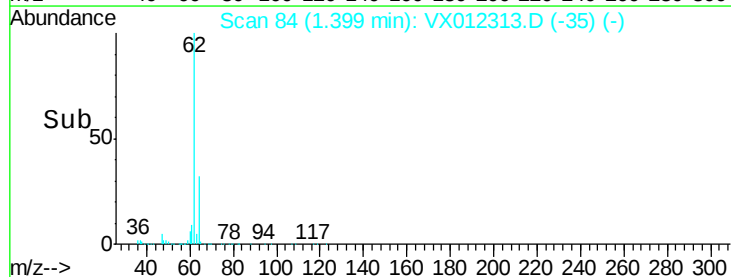
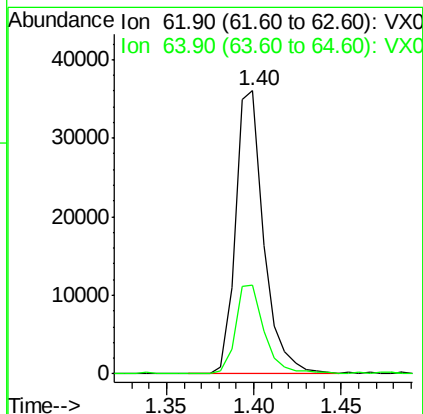
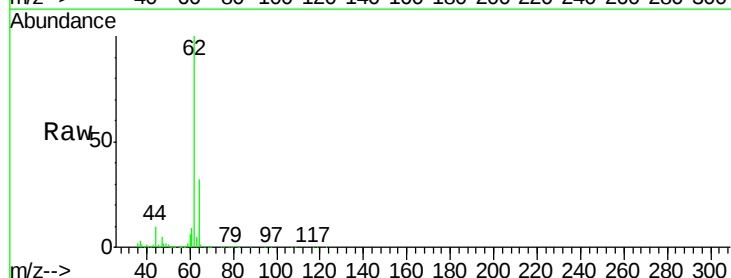
Acq: 11 Sep 2019 20:17

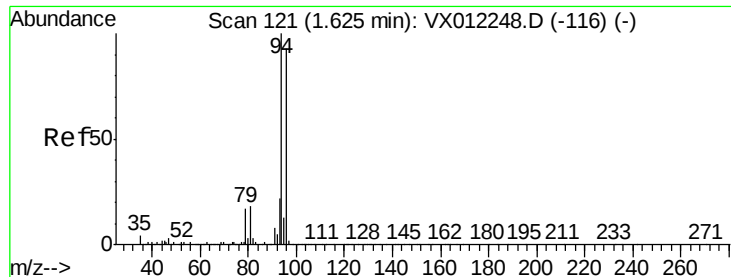
Tgt Ion: 62 Resp: 40616

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 63.667 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 22790

Ion Ratio Lower Upper

94 100

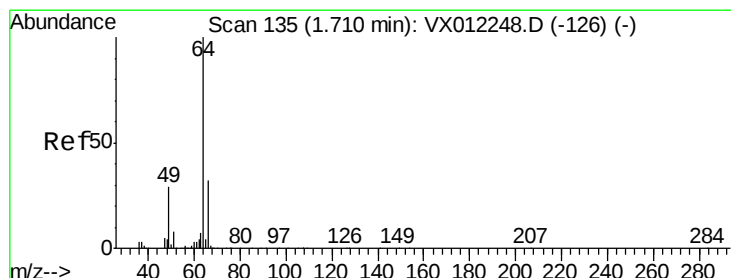
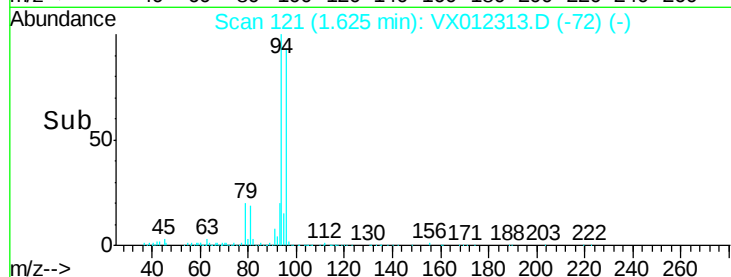
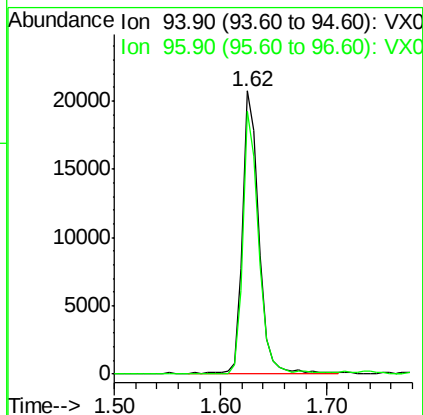
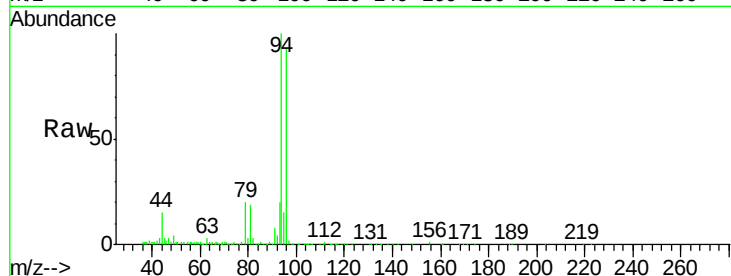
96 93.5 74.0 111.0

Manual Integrations

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9/12/2019 9:26:37 AM



#6

Chloroethane

Concen: 45.489 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012313.D

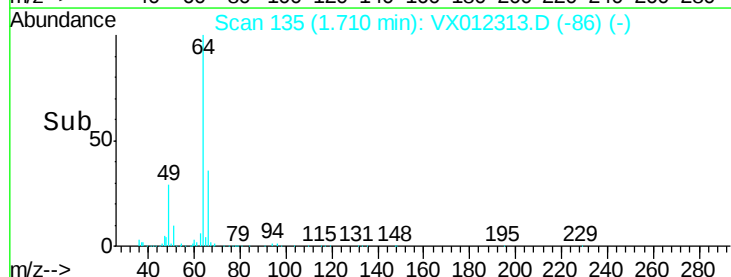
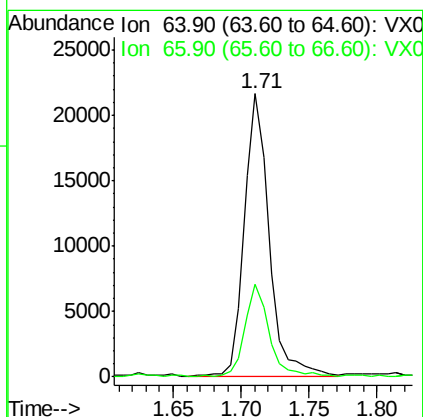
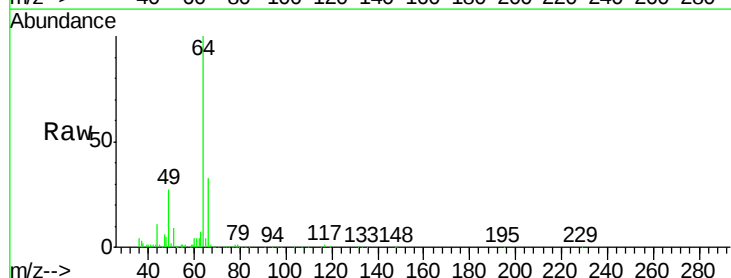
Acq: 11 Sep 2019 20:17

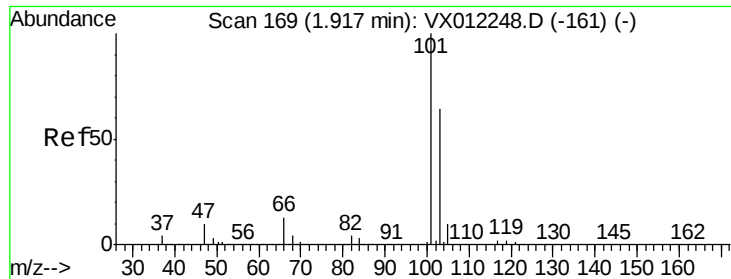
Tgt Ion: 64 Resp: 27410

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.6





#7

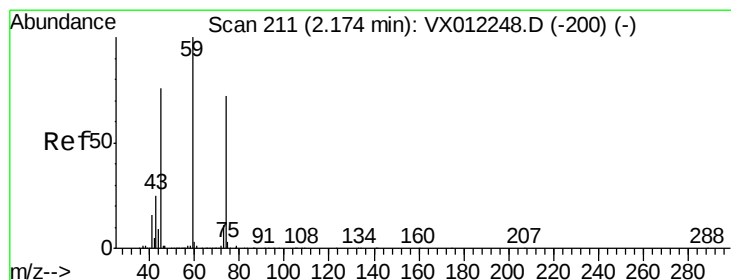
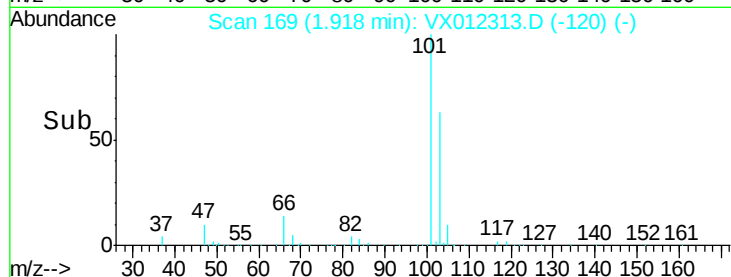
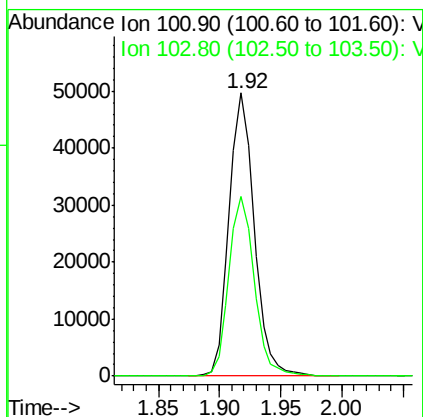
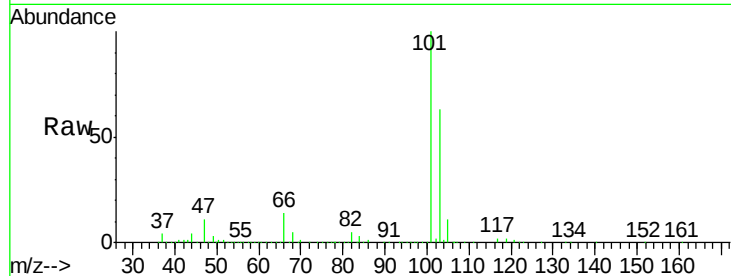
Trichlorofluoromethane
Concen: 43.606 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.4	77.2

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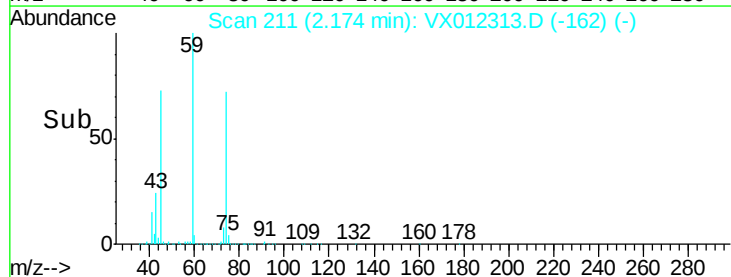
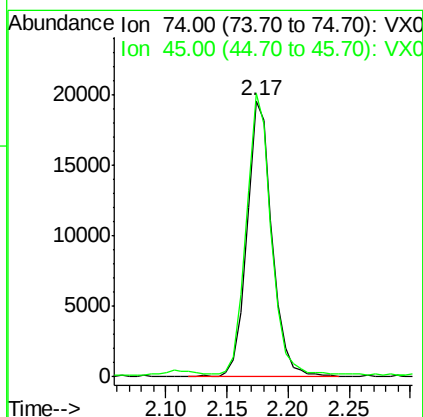
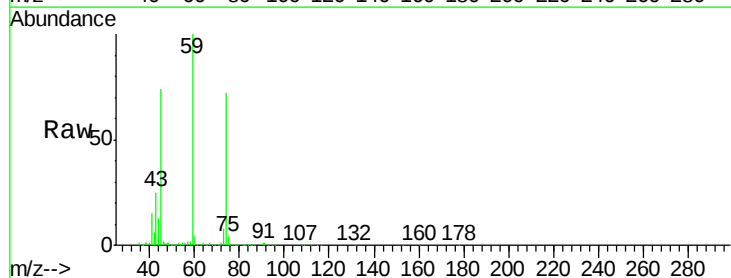
MMDadoda
9/12/2019 9:26:37 AM

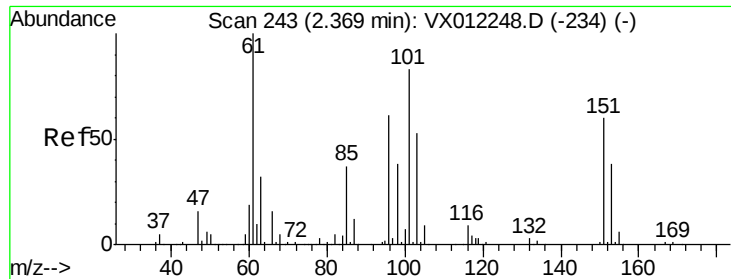


#8

Diethyl Ether
Concen: 50.098 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.717 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

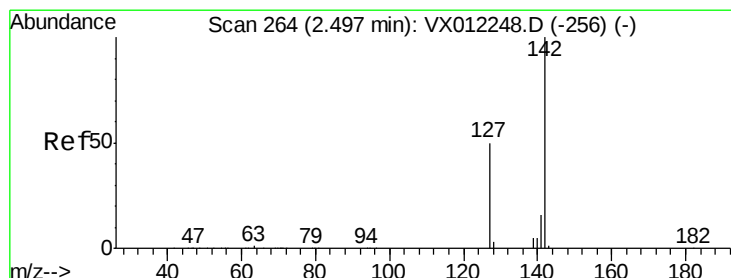
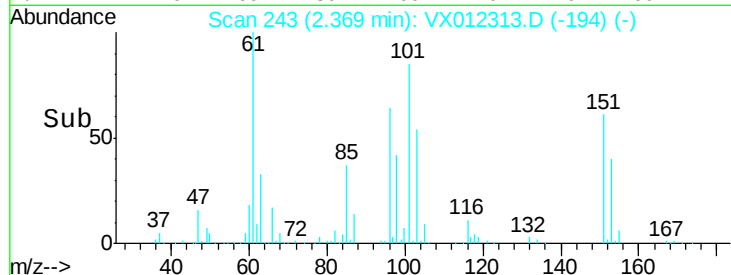
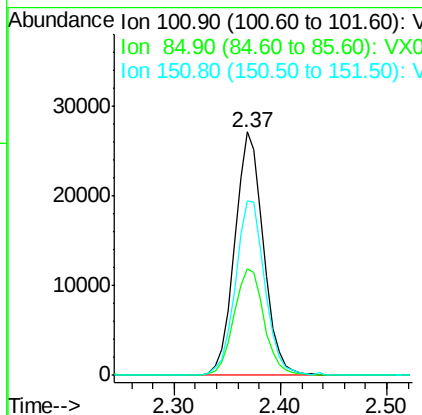
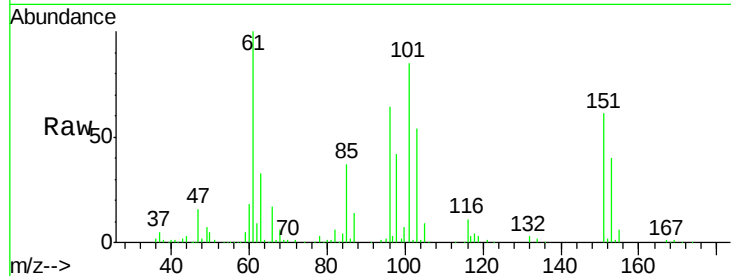
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	51348
Ion Ratio	Lower	Upper	
101	100		
85	46.2	37.0	55.6
151	73.7	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 34.205 ug/l

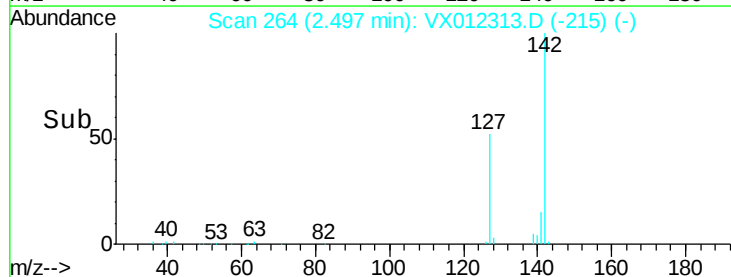
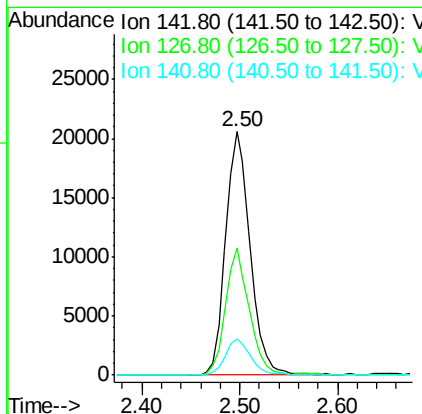
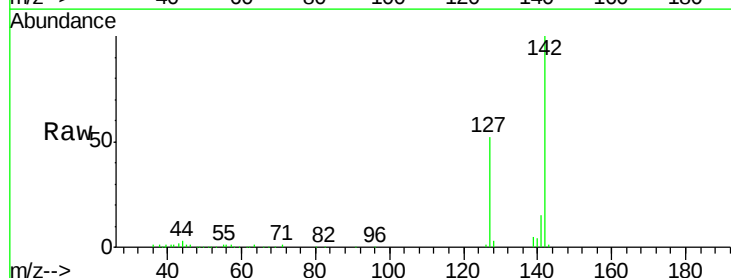
RT: 2.50 min Scan# 264

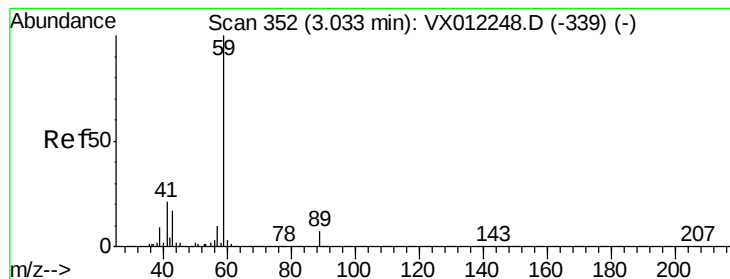
Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Tgt Ion:	142	Resp:	35783
Ion Ratio	Lower	Upper	
142	100		
127	50.1	40.6	61.0
141	15.1	12.0	18.0





#11

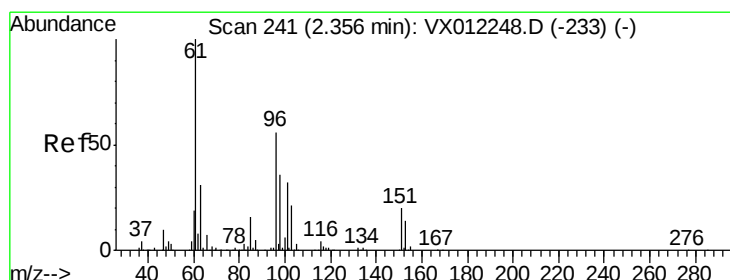
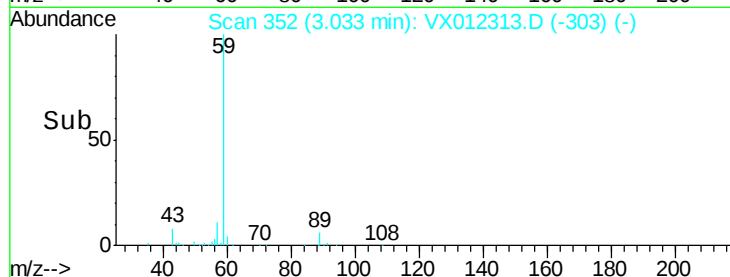
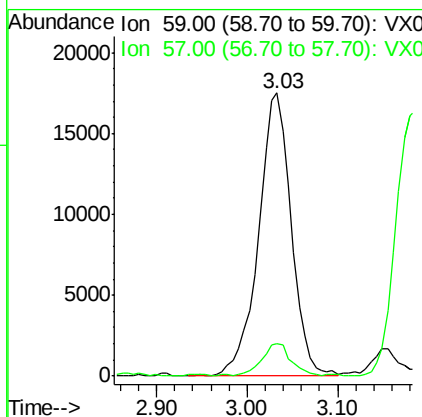
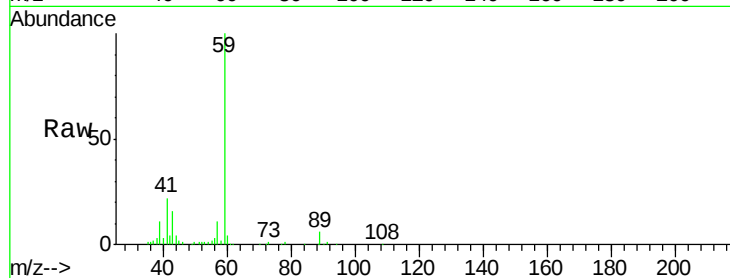
Tert butyl alcohol
Concen: 235.802 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.8	11.6

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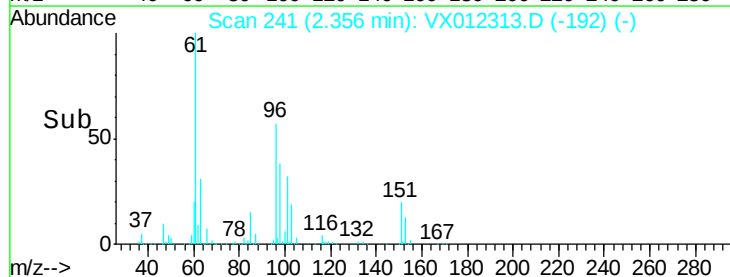
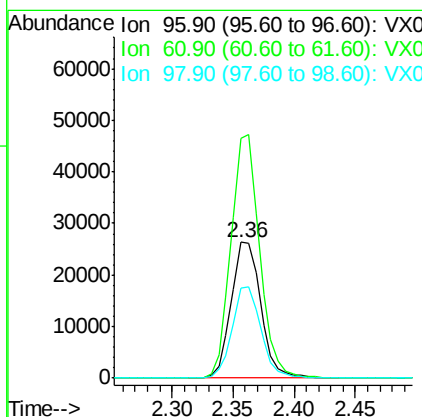
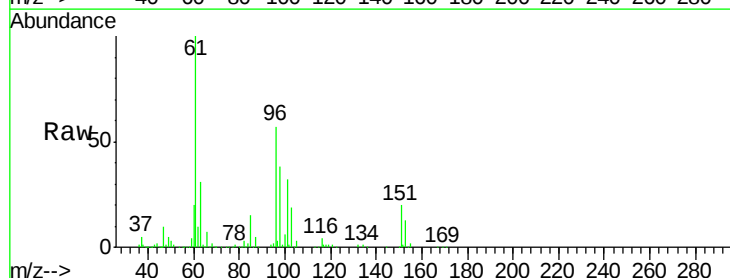
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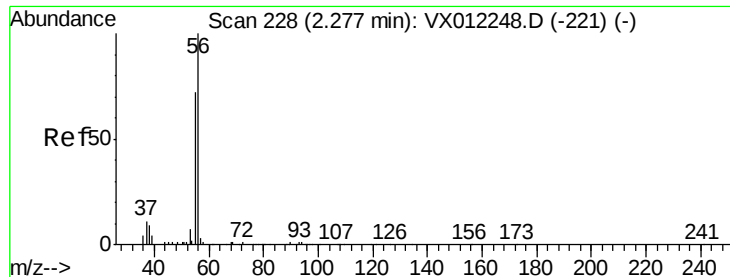


#12

1,1-Dichloroethene
Concen: 47.327 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.6	142.2	213.2
98	66.3	51.3	76.9





#13

Acrolein

Concen: 258.966 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 23602

Ion Ratio Lower Upper

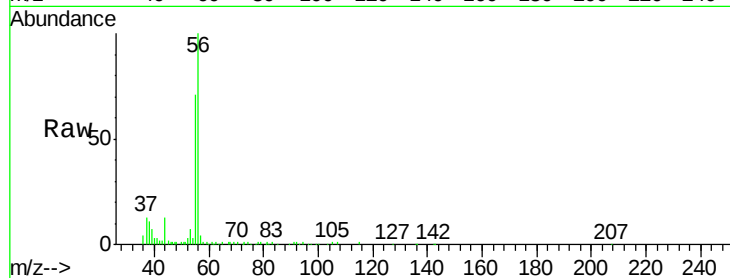
56 100

55 72.8 59.8 89.6

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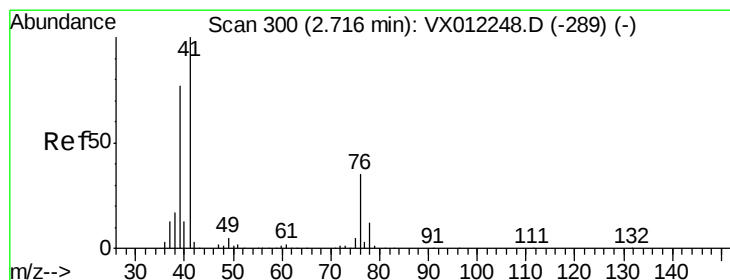
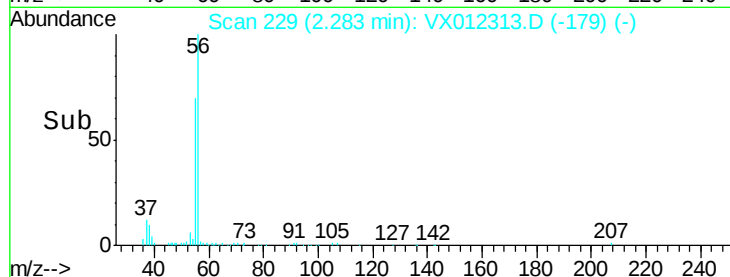
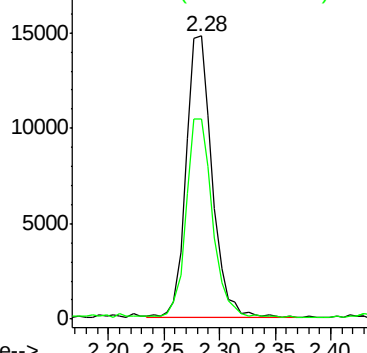
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.264 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

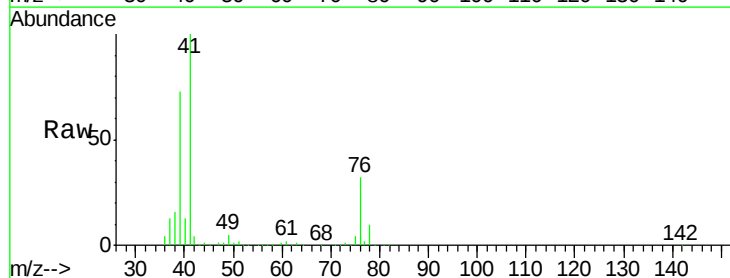
Tgt Ion: 41 Resp: 89919

Ion Ratio Lower Upper

41 100

39 72.5 58.6 87.8

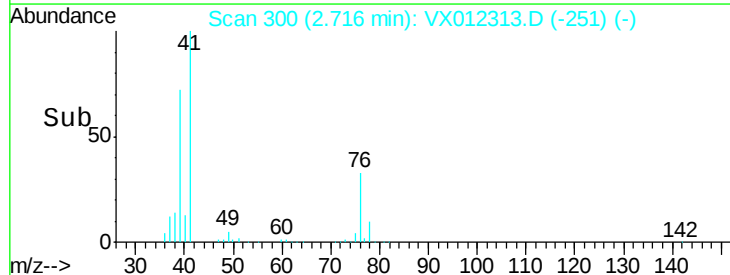
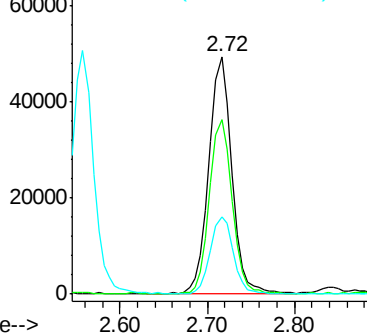
76 32.7 26.3 39.5

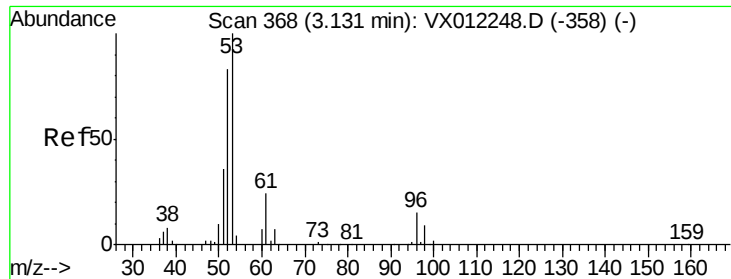


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 268.278 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

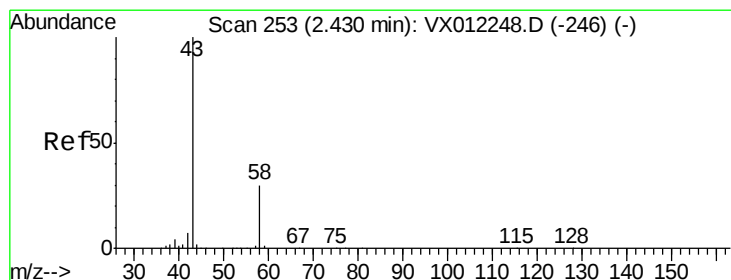
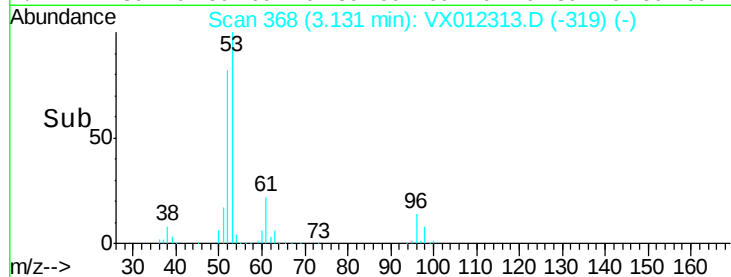
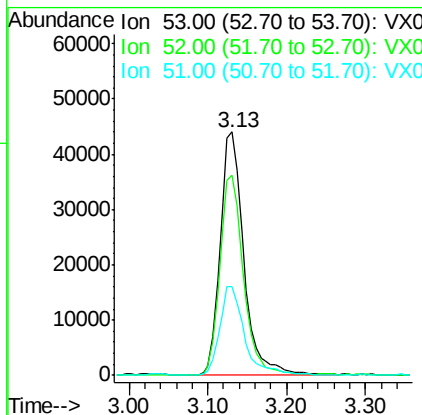
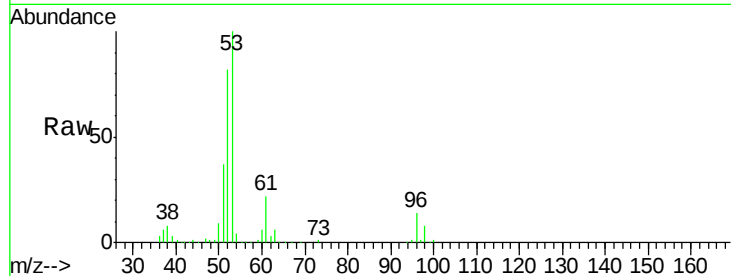
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	92287
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.8	100.2
51	37.9	30.7	46.1

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#16

Acetone

Concen: 206.037 ug/l

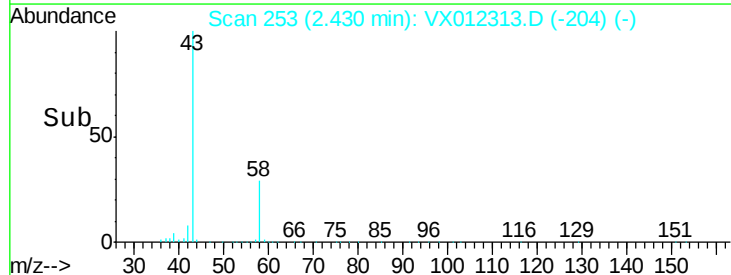
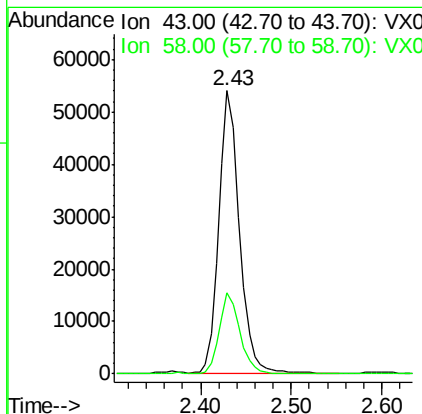
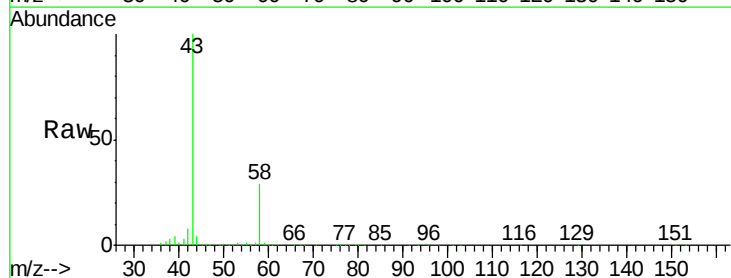
RT: 2.43 min Scan# 253

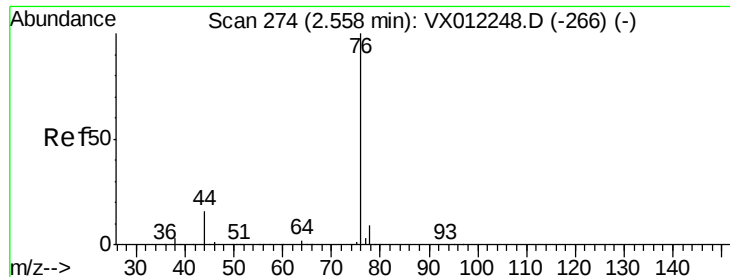
Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Tgt Ion:	43	Resp:	85038
Ion Ratio	Lower	Upper	
43	100		
58	28.6	23.6	35.4





#17

Carbon Disulfide

Concen: 43.913 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 86048

Ion Ratio Lower Upper

76 100

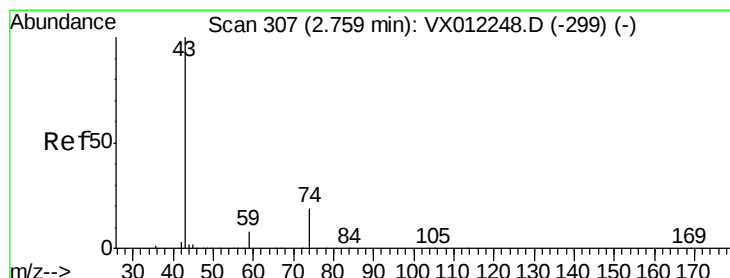
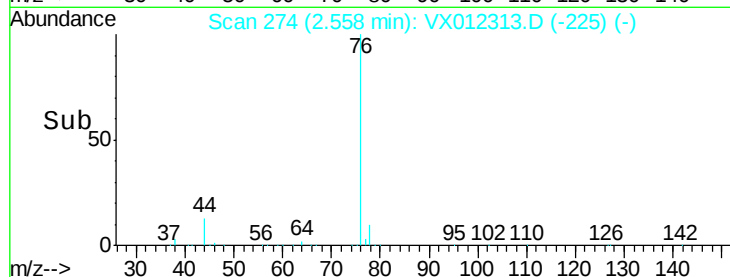
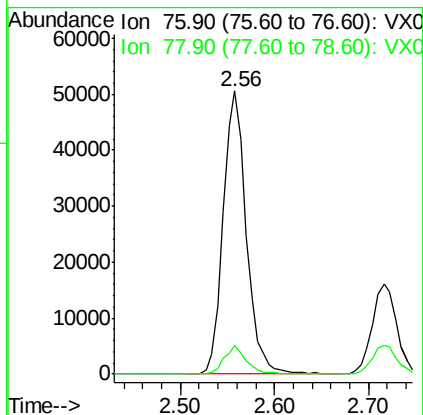
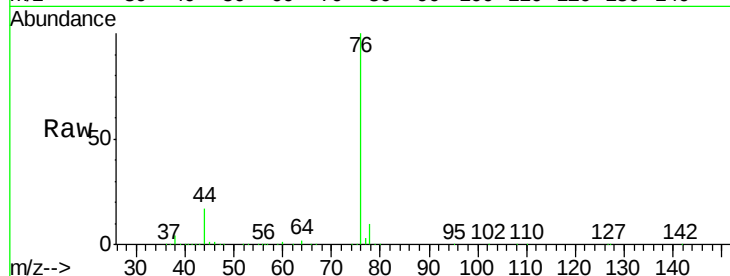
78 10.0 7.4 11.2

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#18

Methyl Acetate

Concen: 54.004 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX012313.D

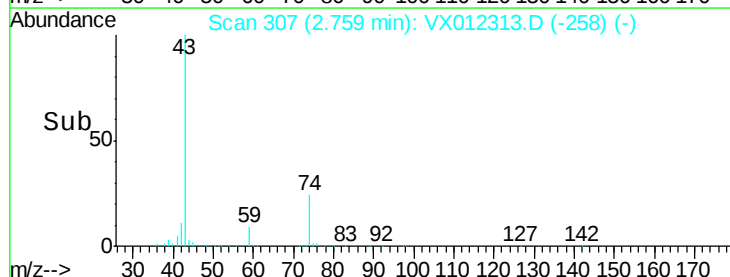
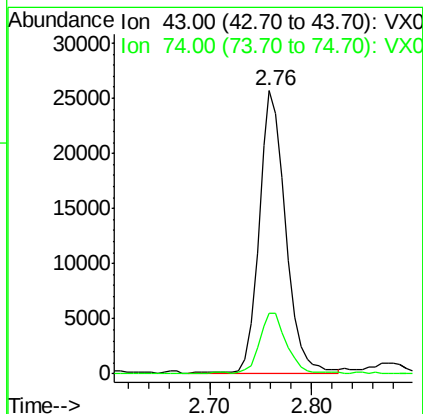
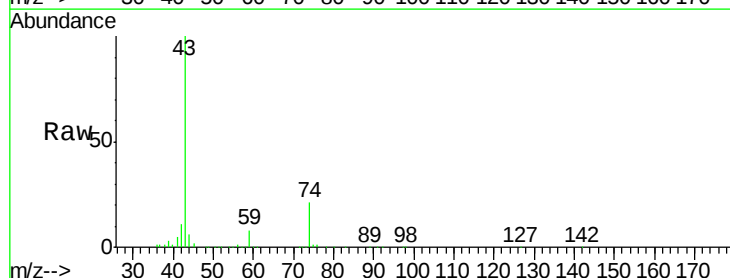
Acq: 11 Sep 2019 20:17

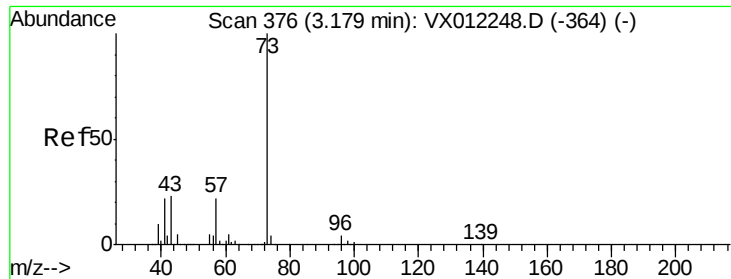
Tgt Ion: 43 Resp: 46849

Ion Ratio Lower Upper

43 100

74 22.1 18.3 27.5





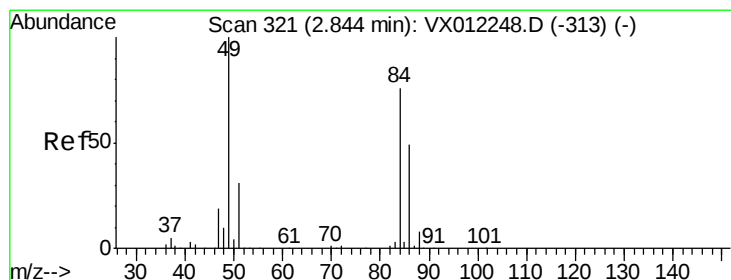
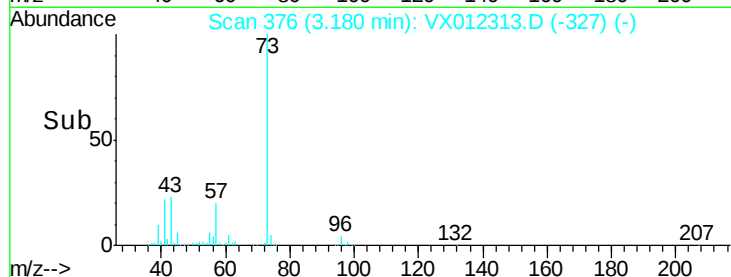
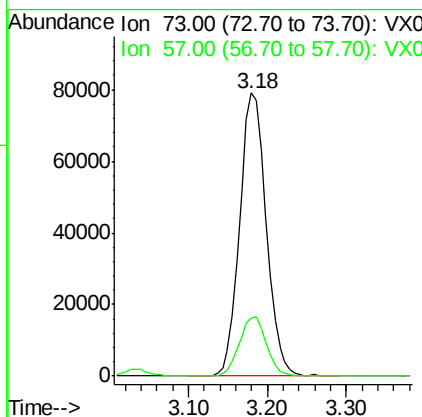
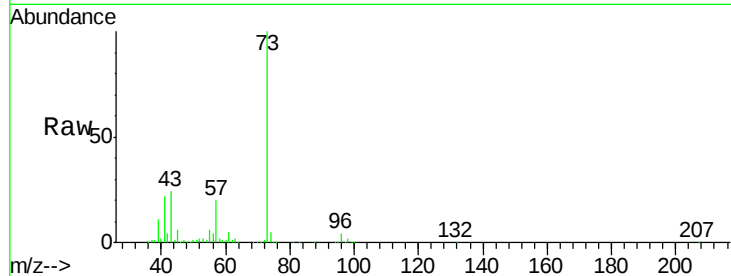
#19
Methvl tert-butvl Ether
Concen: 50.407 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 185753
Ion Ratio Lower Upper
73 100
57 20.4 17.7 26.5

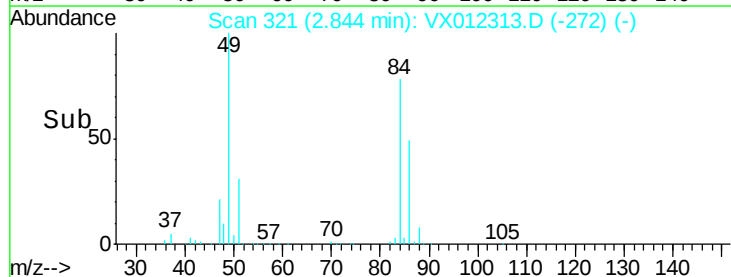
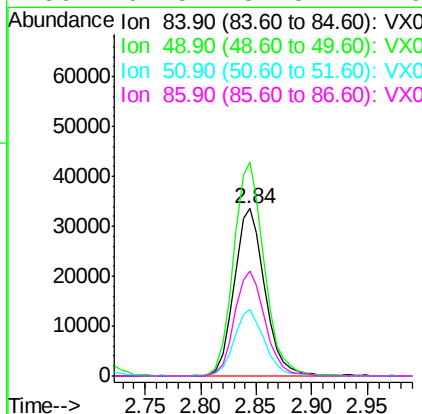
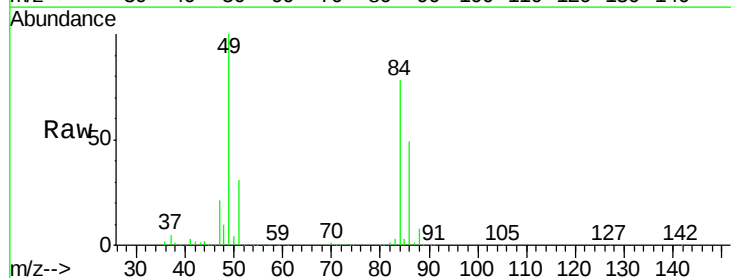
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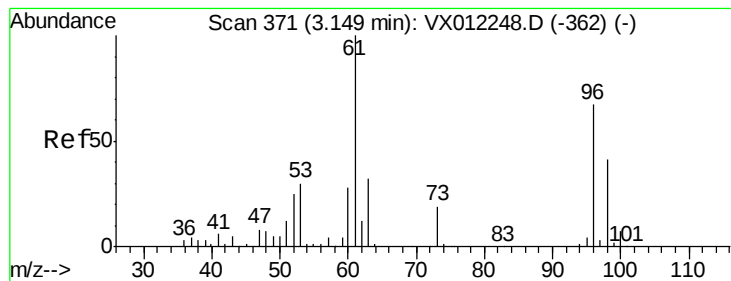
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#20
Methylene Chloride
Concen: 49.422 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion: 84 Resp: 63678
Ion Ratio Lower Upper
84 100
49 127.7 105.0 157.6
51 39.6 32.6 48.8
86 62.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.375 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 52743

Ion Ratio Lower Upper

96 100

61 155.6 119.4 179.2

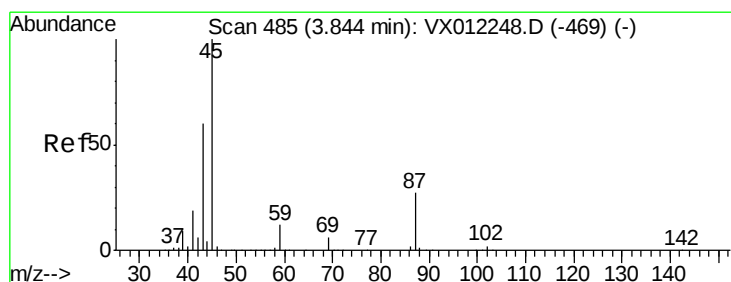
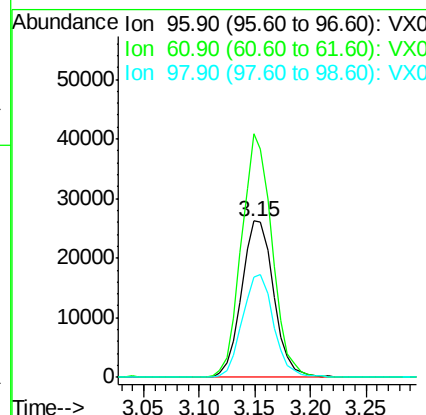
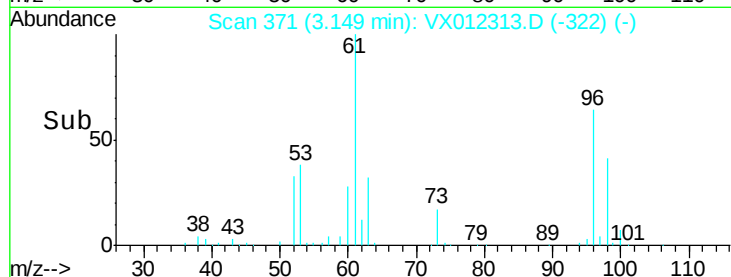
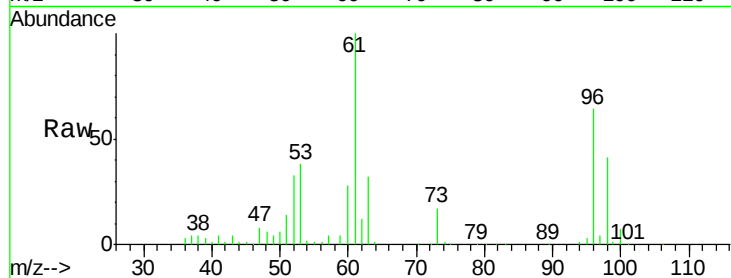
98 64.0 48.4 72.6

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9/12/2019 9:26:37 AM



#22

Diisopropyl ether

Concen: 49.509 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Tgt Ion: 45 Resp: 215410

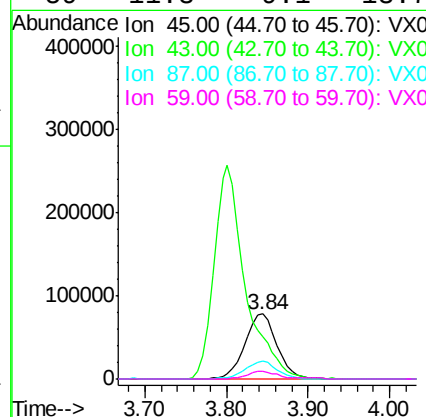
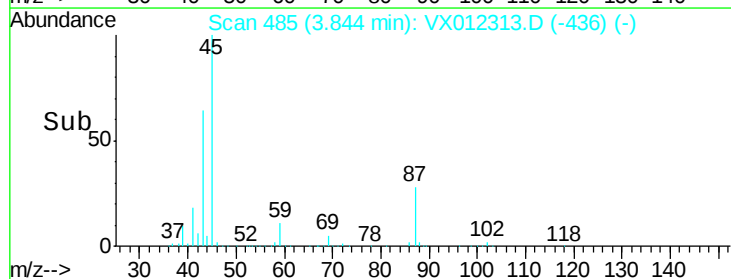
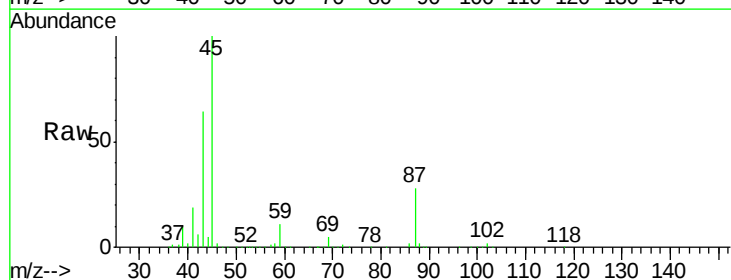
Ion Ratio Lower Upper

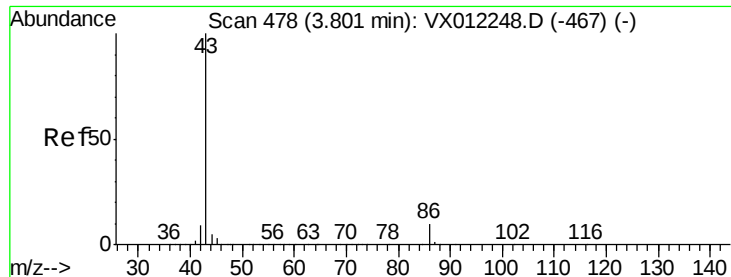
45 100

43 63.4 48.3 72.5

87 27.5 21.8 32.8

59 11.3 9.1 13.7





#23

Vinyl Acetate

Concen: 257.827 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 688257

Ion Ratio Lower Upper

43 100

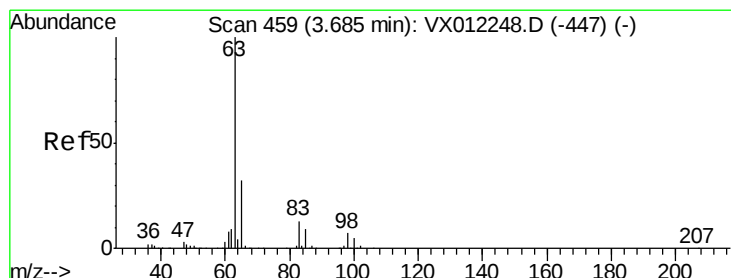
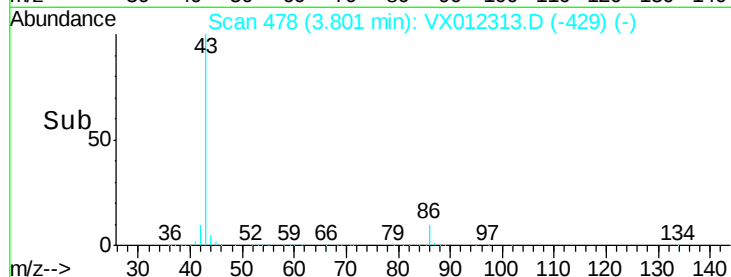
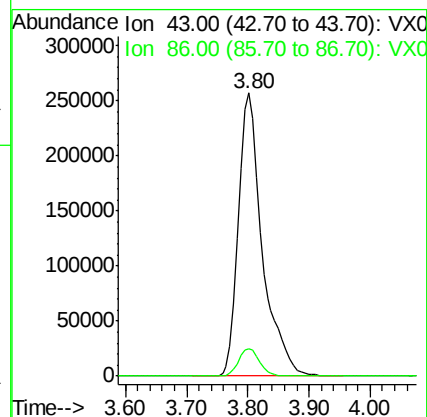
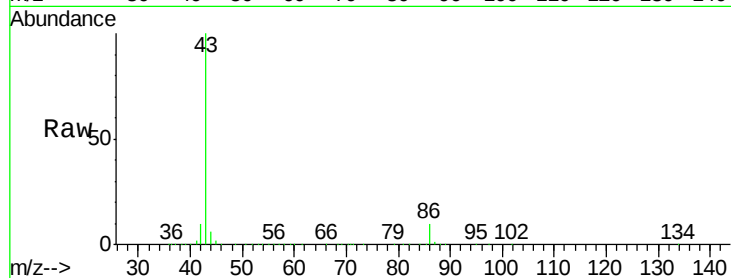
86 9.8 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 48.564 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

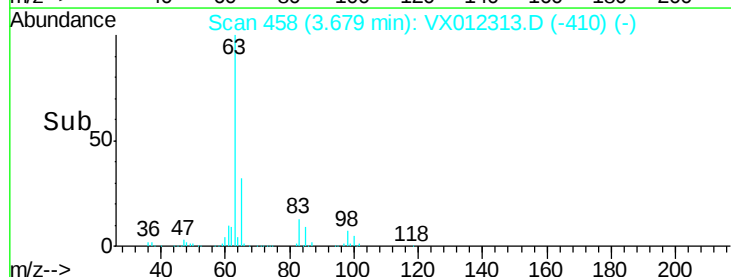
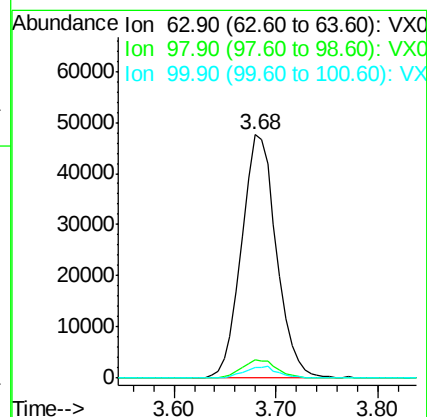
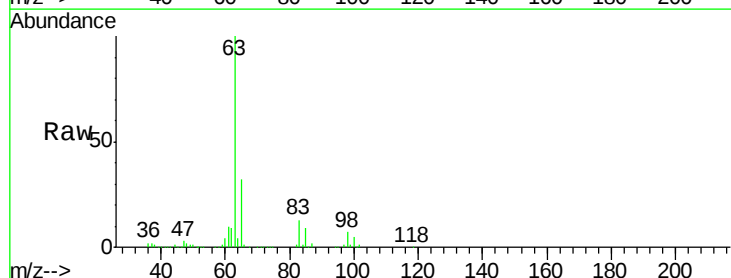
Tgt Ion: 63 Resp: 113181

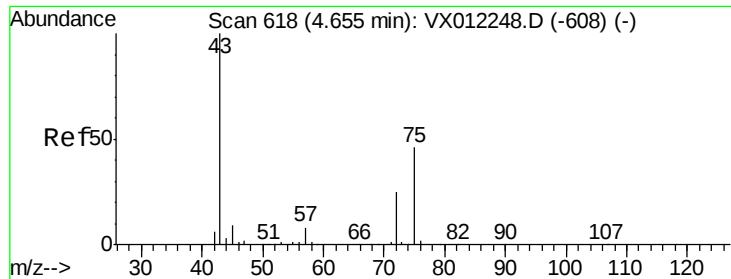
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 242.160 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 127768

Ion Ratio Lower Upper

43 100

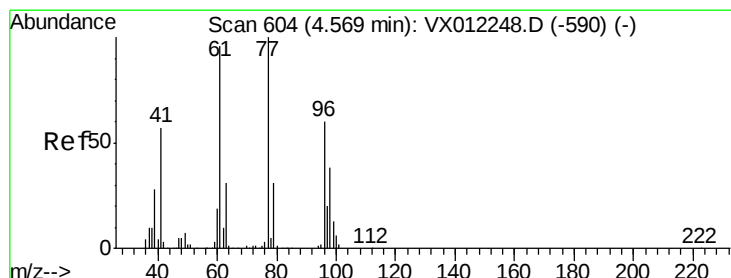
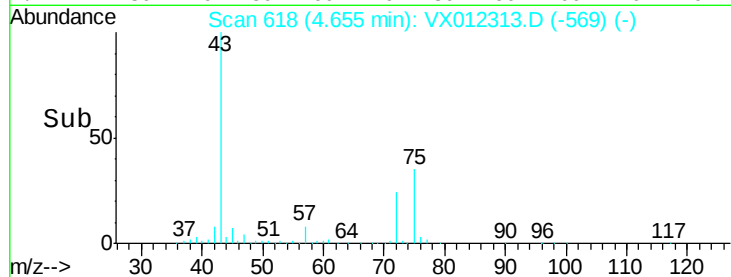
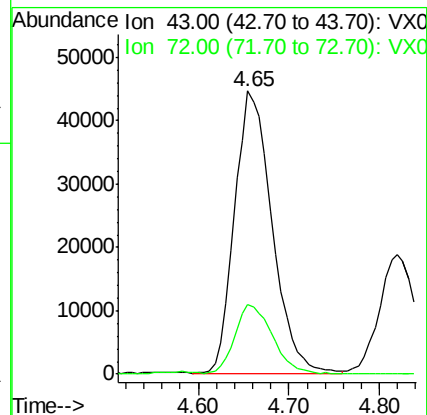
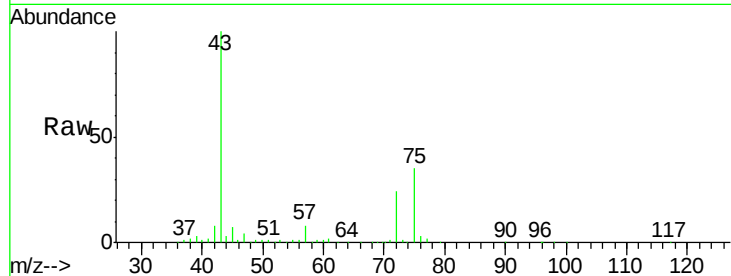
72 24.1 20.2 30.2

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9/12/2019 9:26:37 AM



#26

2,2-Dichloropropane

Concen: 41.872 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012313.D

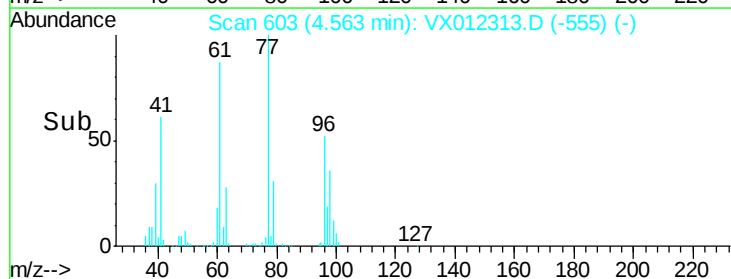
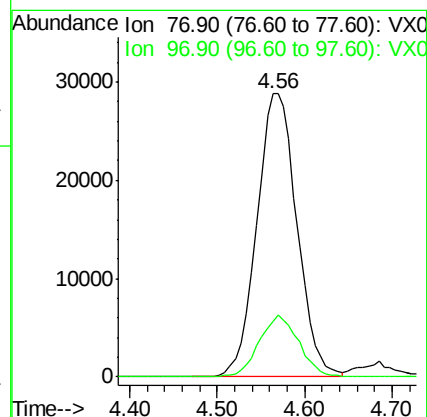
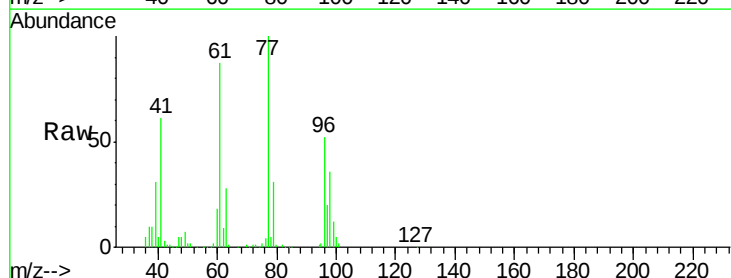
Acq: 11 Sep 2019 20:17

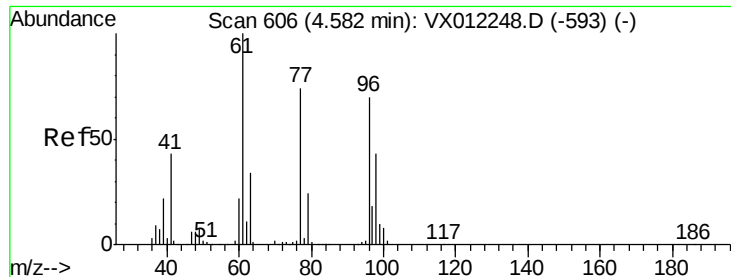
Tgt Ion: 77 Resp: 91617

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1





#27

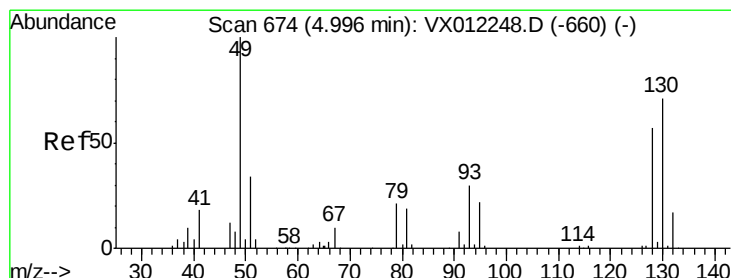
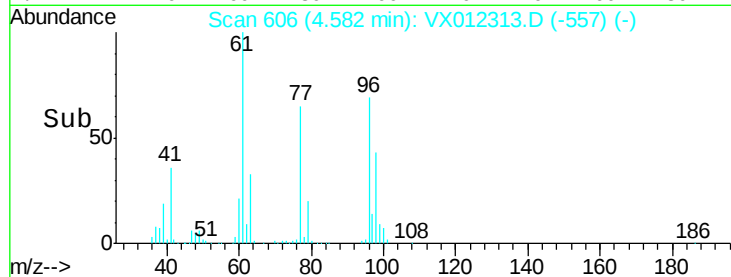
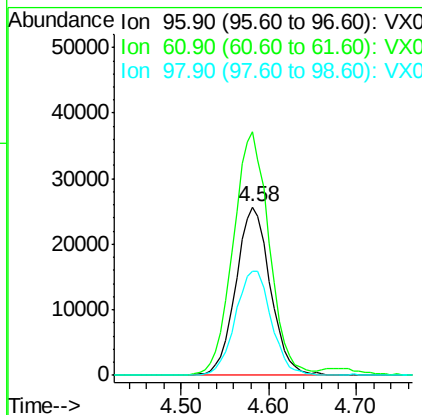
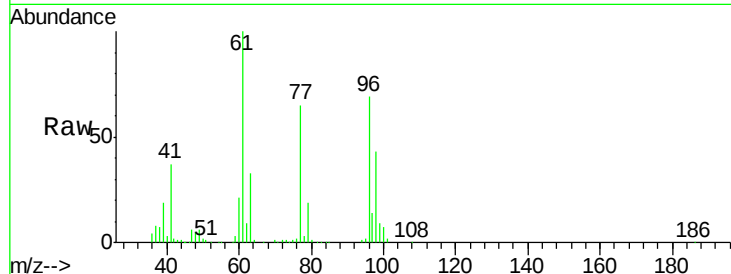
cis-1,2-Dichloroethene
 Concen: 48.872 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.0	0.0	310.4	
98	64.8	0.0	128.8	

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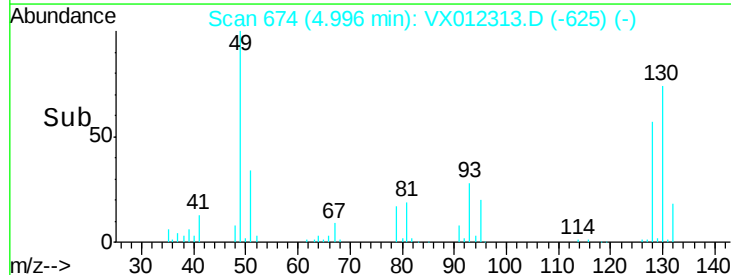
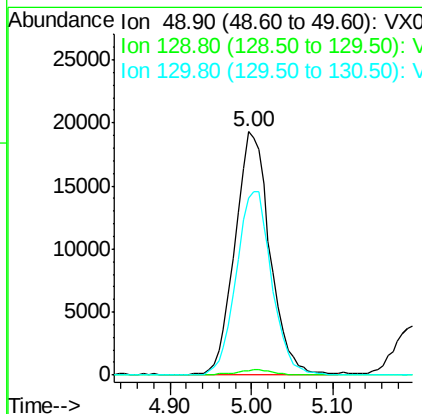
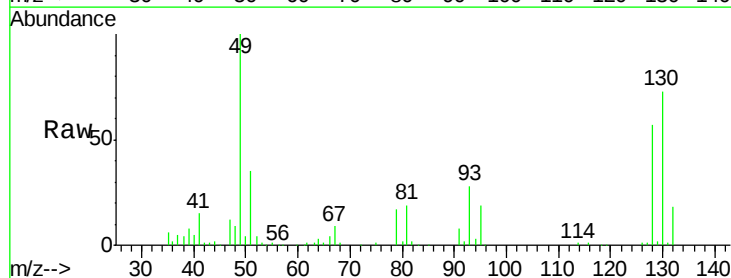
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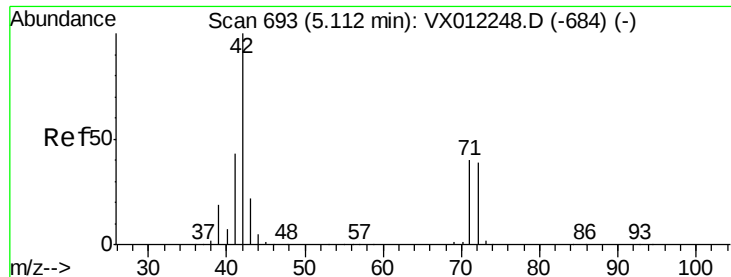


#28

Bromochloromethane
 Concen: 52.650 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	5.2	
130	76.2	60.1	90.1	





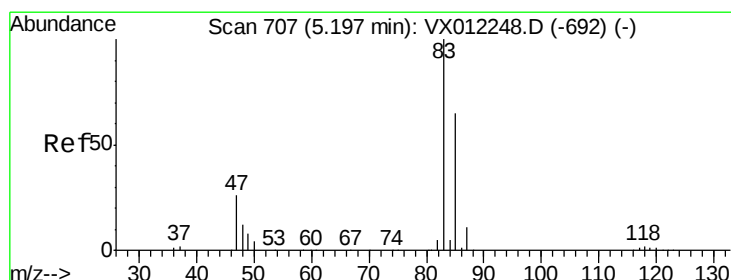
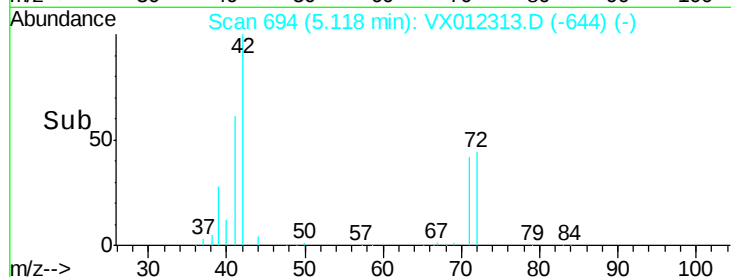
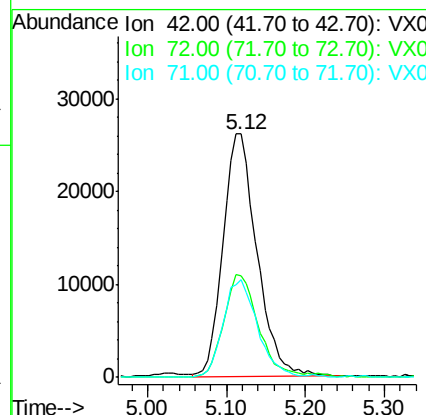
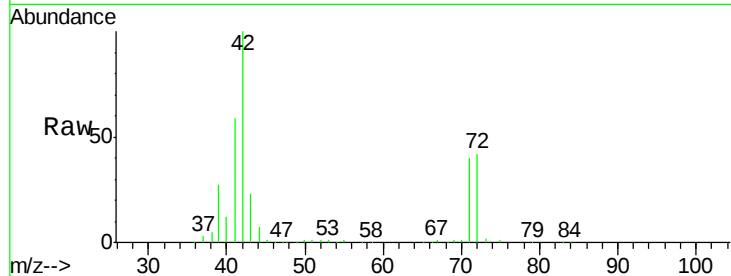
#29
Tetrahydrofuran
Concen: 275.007 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	35.2	52.8
71	40.7	32.5	48.7

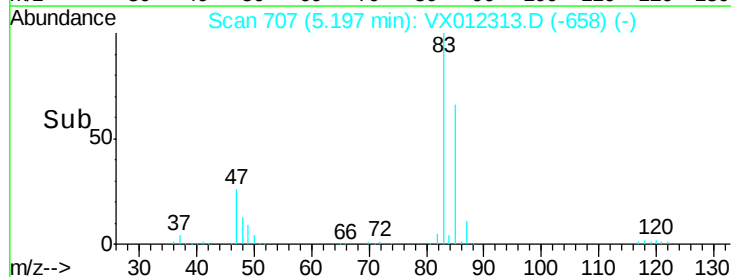
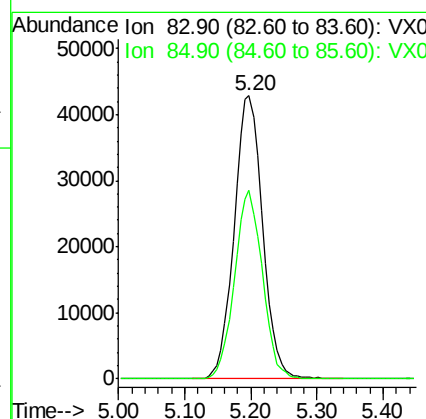
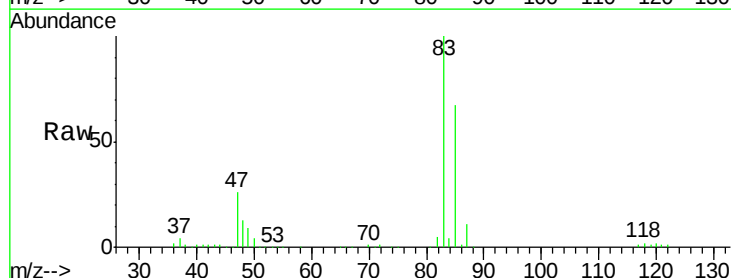
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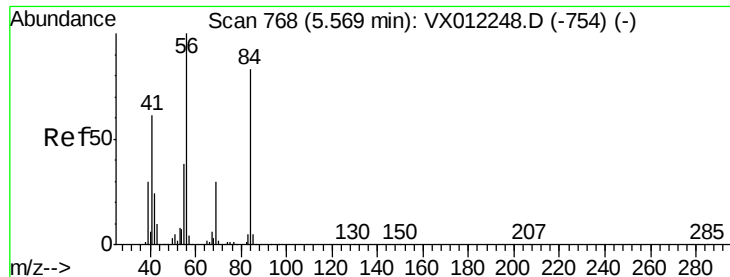
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#30
Chloroform
Concen: 48.603 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.3	78.5





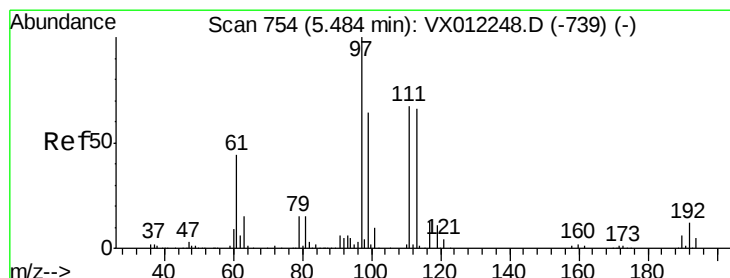
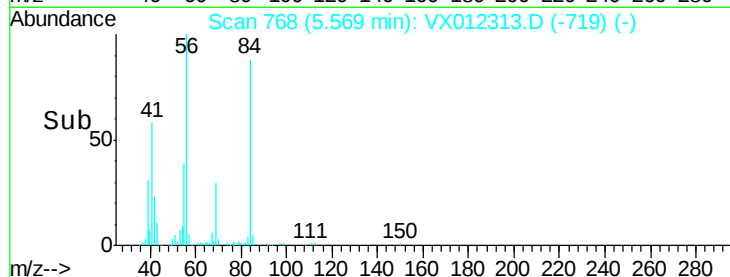
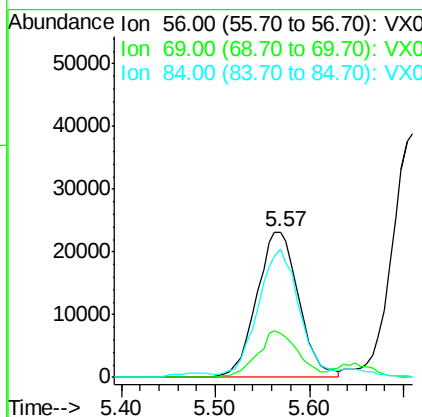
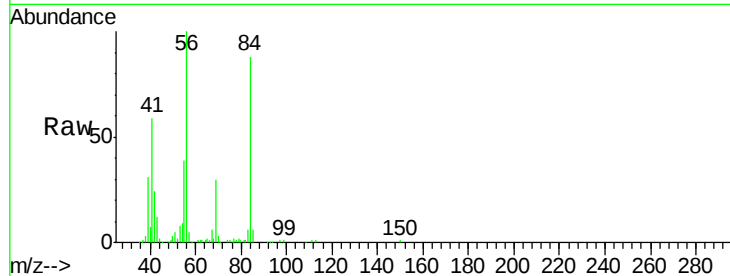
#31
Cyclohexane
Concen: 44.764 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.8	35.6
84	85.0	66.6	100.0

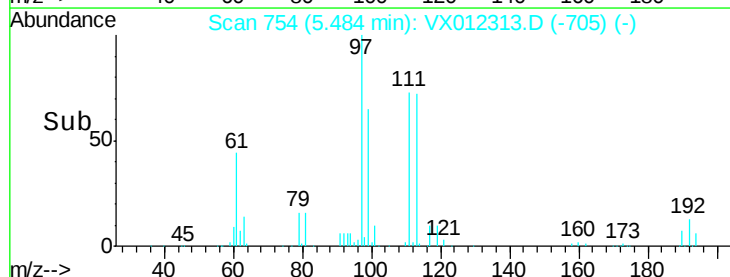
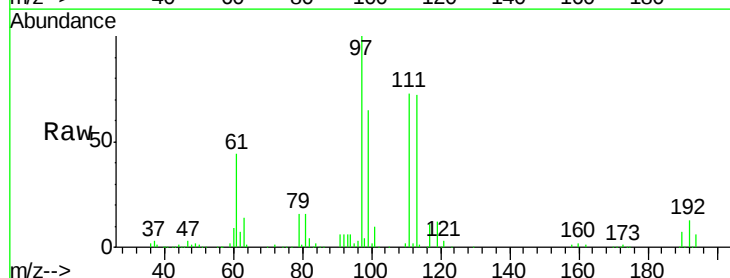
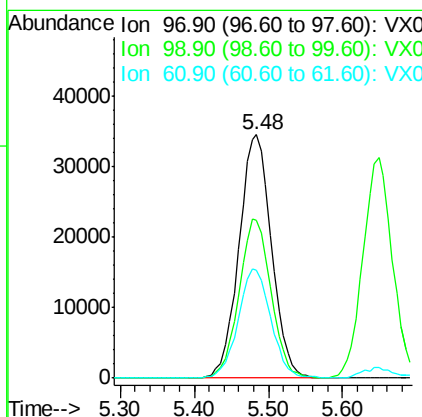
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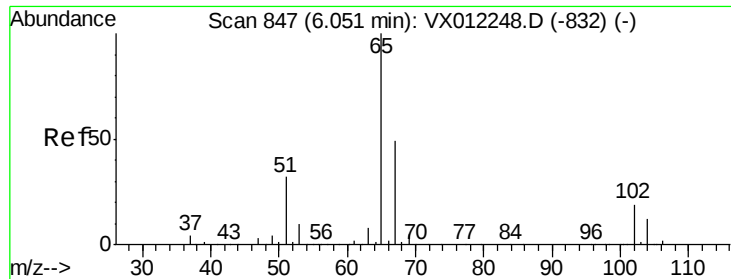
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#32
1,1,1-Trichloroethane
Concen: 46.763 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	45.1	35.4	53.0





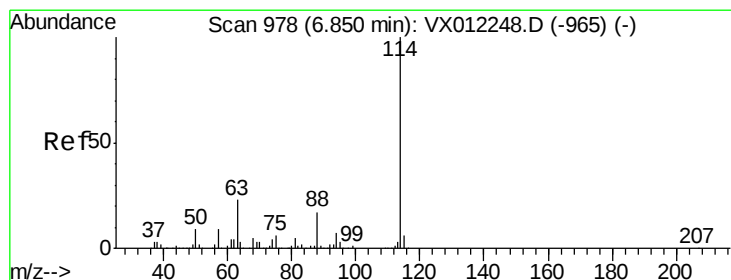
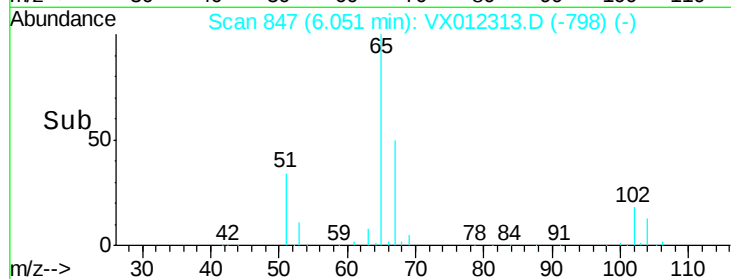
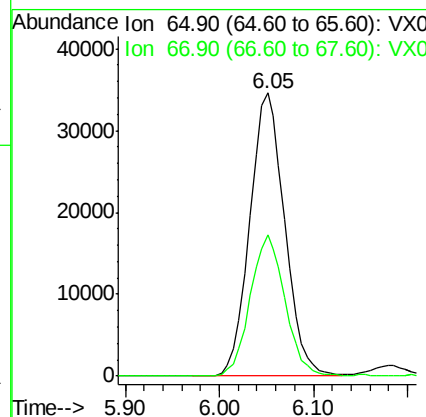
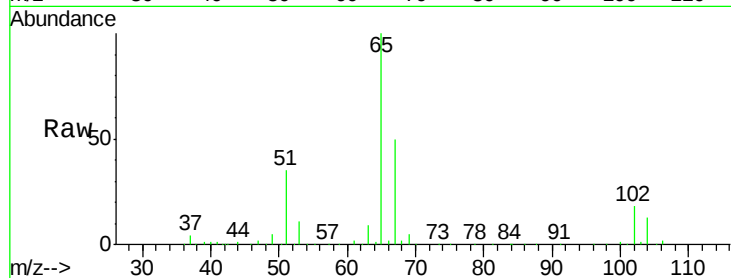
#33
 1,2-Dichloroethane-d4
 Concen: 51.623 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	99.8

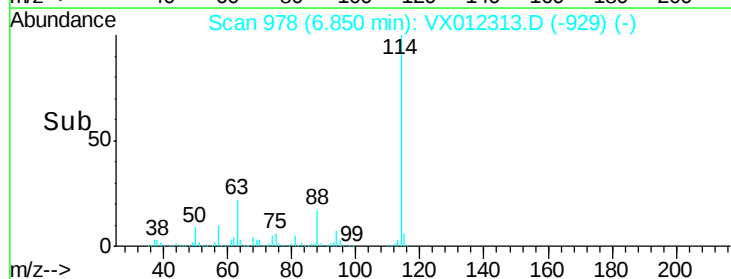
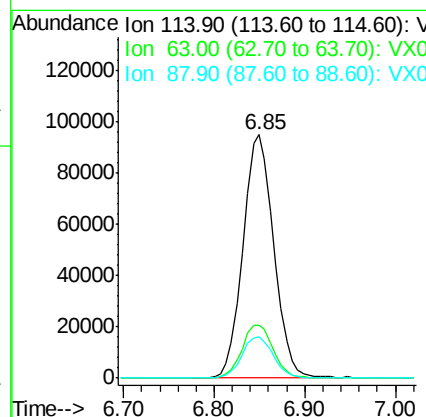
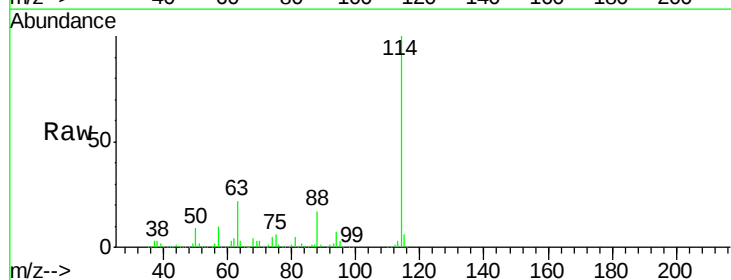
Manual Integrations
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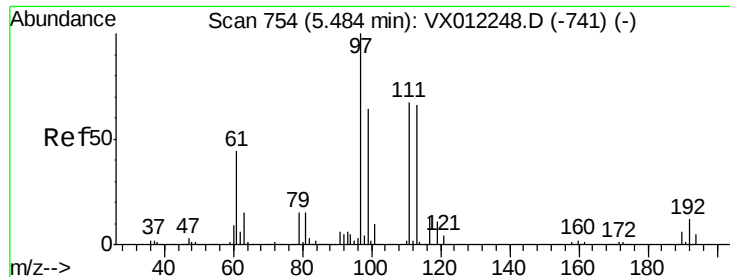
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	45.2
88	16.8	0.0	34.8





#35

Dibromofluoromethane

Concen: 49.393 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

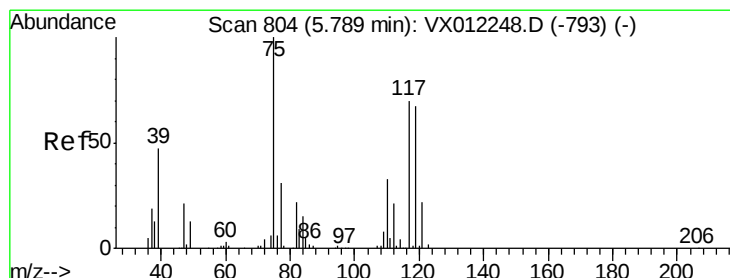
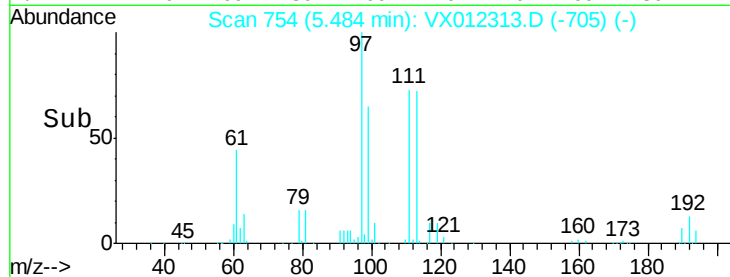
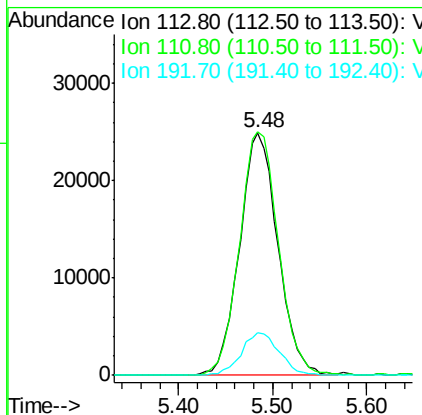
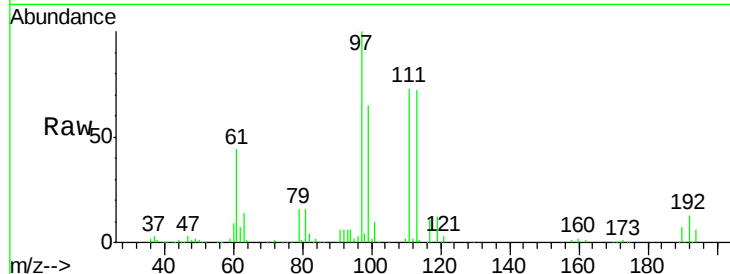
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	70880
Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.6
192	17.5	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.726 ug/l

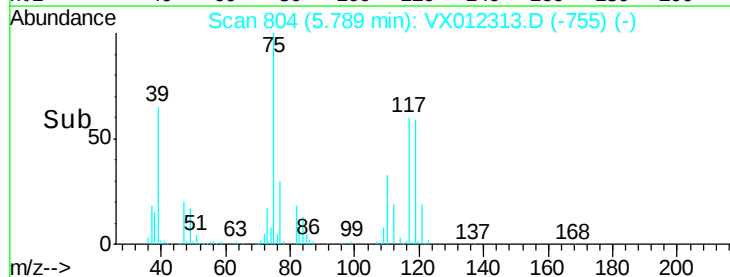
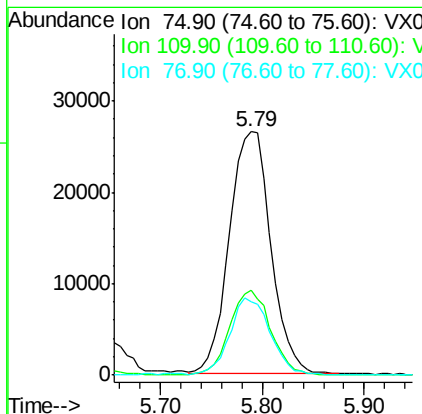
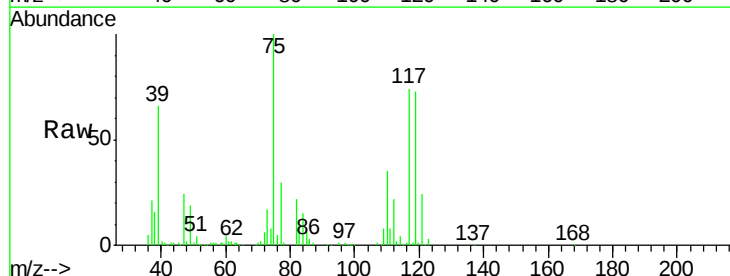
RT: 5.79 min Scan# 804

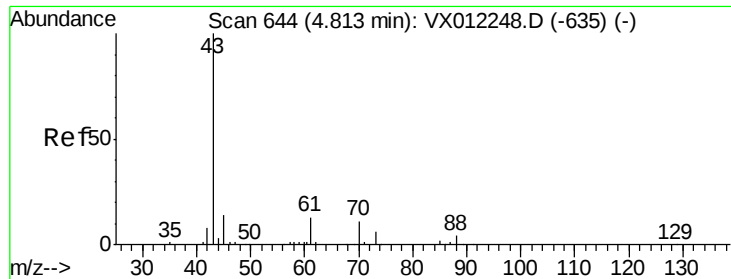
Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Tgt Ion:	75	Resp:	74638
Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.8	50.4
77	30.4	24.5	36.7





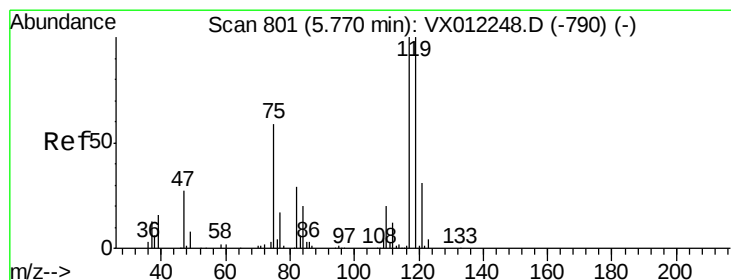
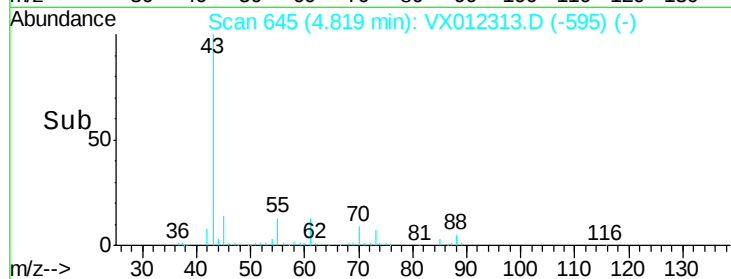
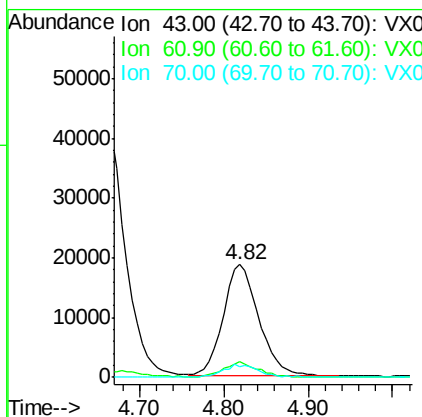
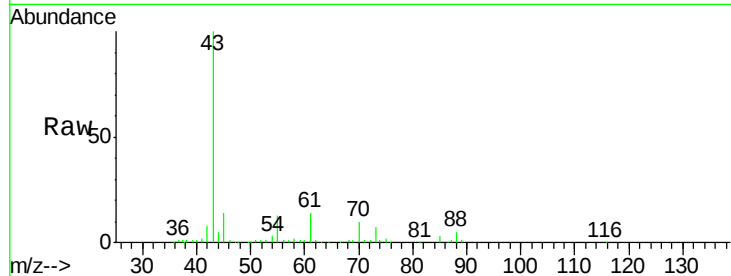
#37
Ethyl Acetate
Concen: 53.833 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.3	15.5
70	11.6	9.1	13.7

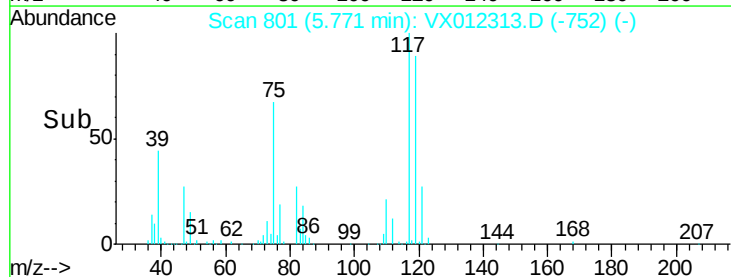
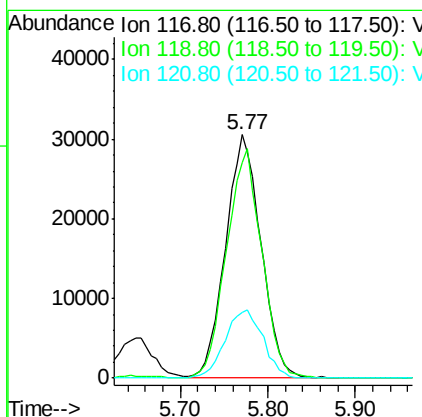
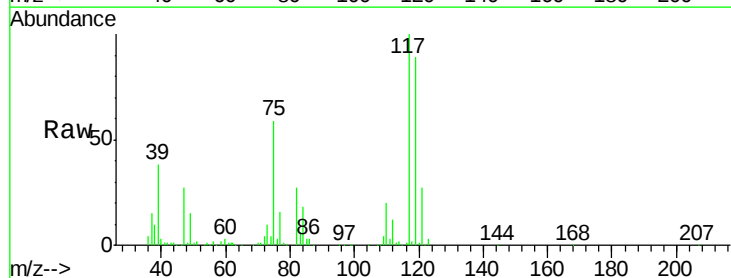
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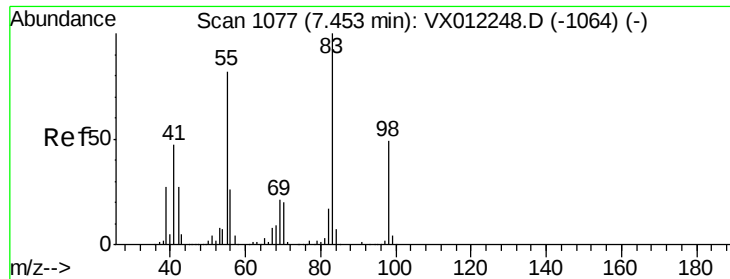
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#38
Carbon Tetrachloride
Concen: 44.988 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.7	79.6	119.4
121	26.8	24.7	37.1





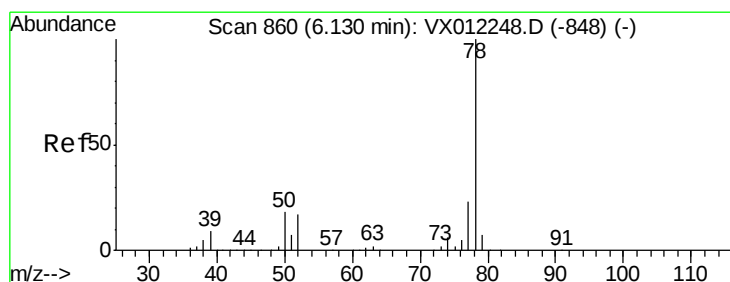
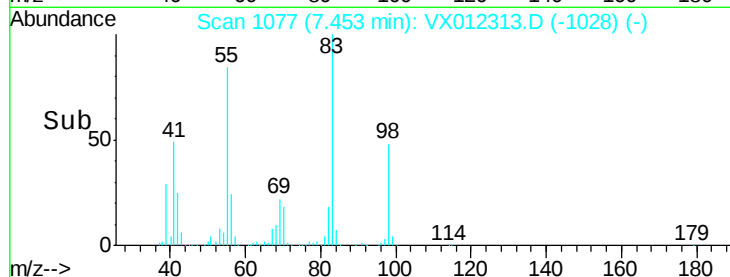
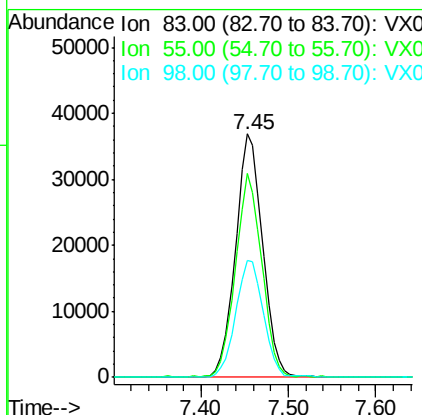
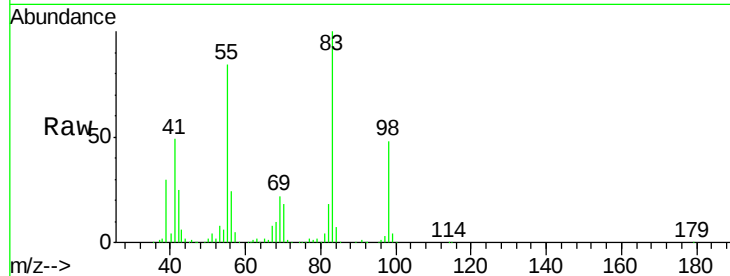
#39
Methvlcvclohexane
Concen: 44.547 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp:	79798
Ion	Ratio	Lower	Upper
83	100		
55	83.3	65.4	98.2
98	47.8	39.6	59.4

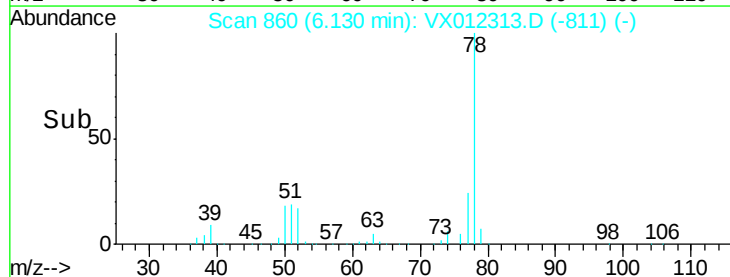
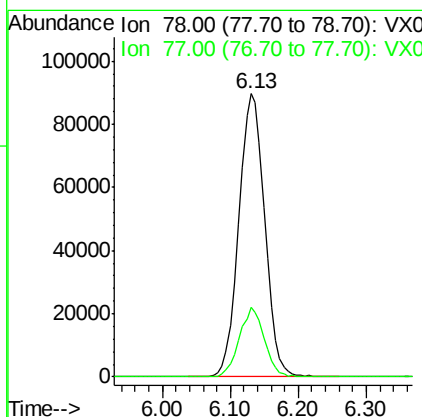
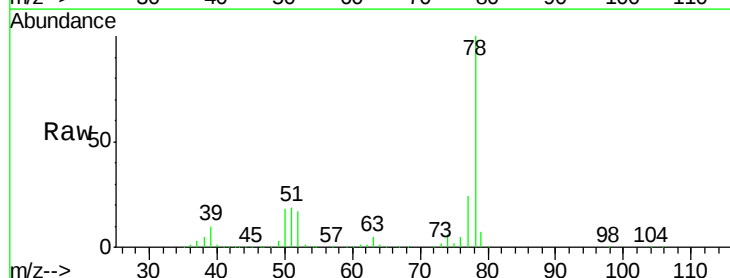
Manual Integrations
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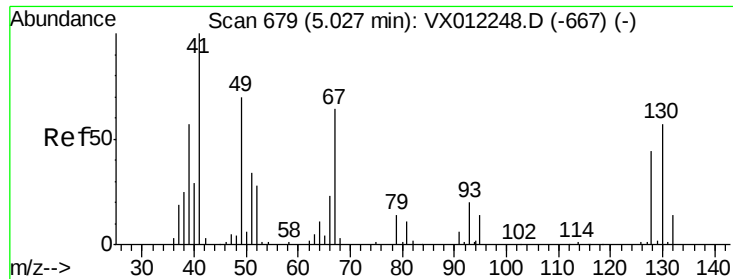
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#40
Benzene
Concen: 47.913 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	78.00	Resp:	236699
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.0	27.0





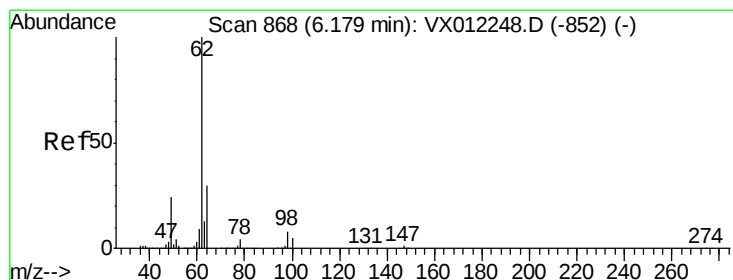
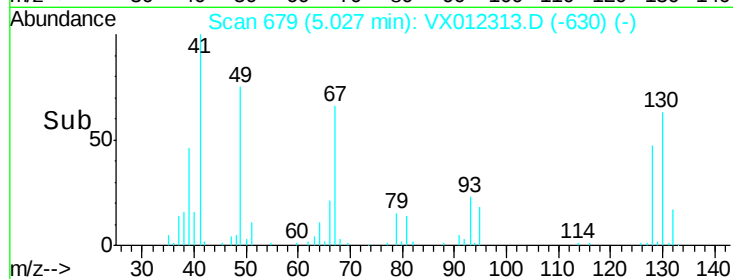
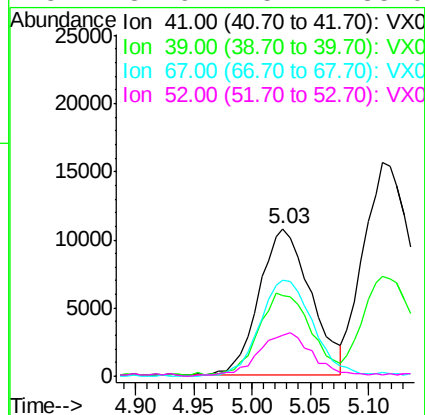
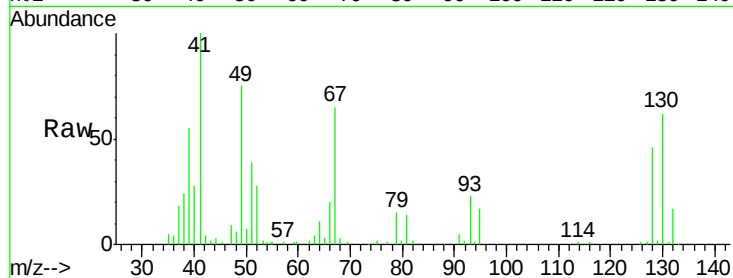
#41
Methacrylonitrile
Concen: 53.117 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	49.0	73.4
67	67.5	55.0	82.4
52	31.6	25.4	38.0

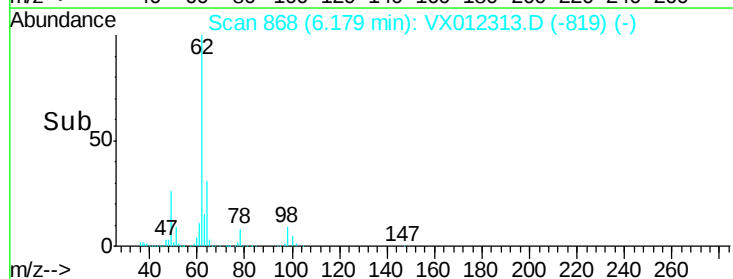
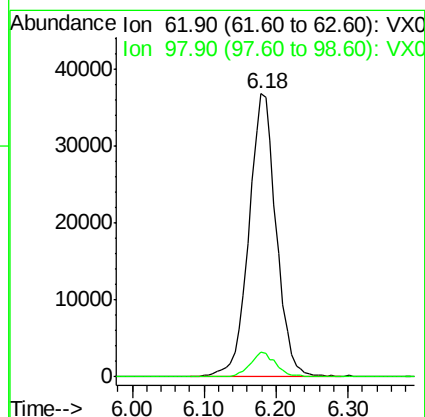
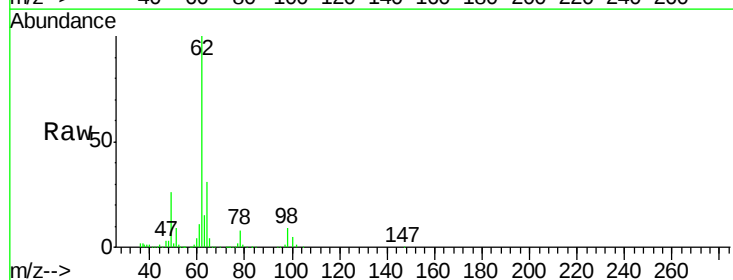
Manual Integrations
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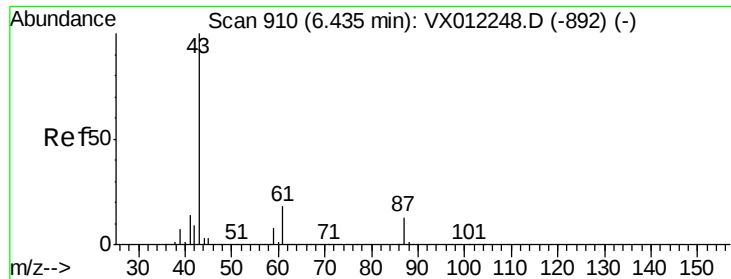
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#42
1,2-Dichloroethane
Concen: 49.227 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





#43

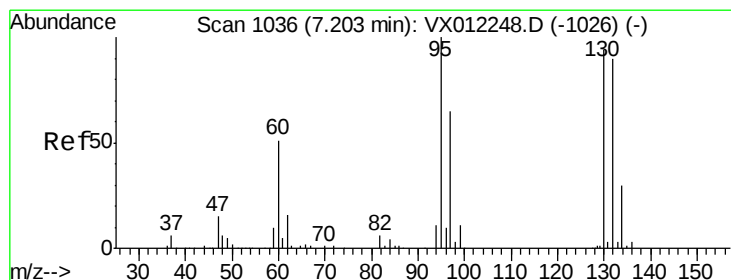
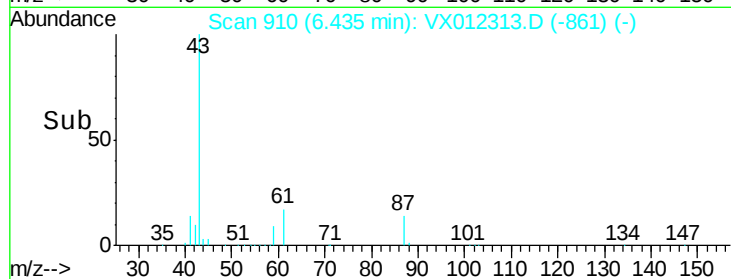
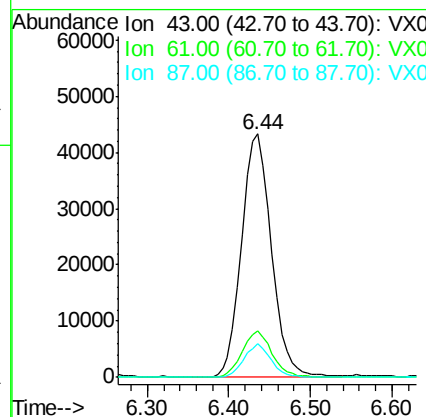
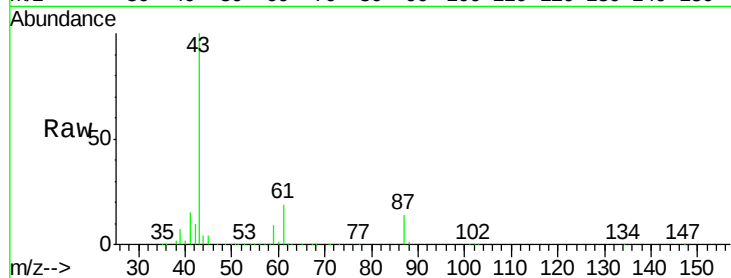
Isopropyl Acetate
 Concen: 51.424 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	43	Resp:	109395
Ion Ratio		Lower	Upper
43	100		
61	19.1	15.4	23.2
87	12.5	10.5	15.7

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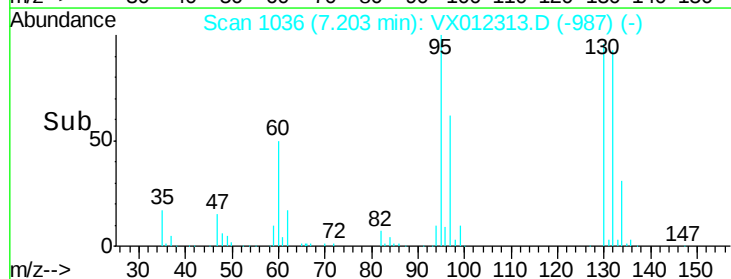
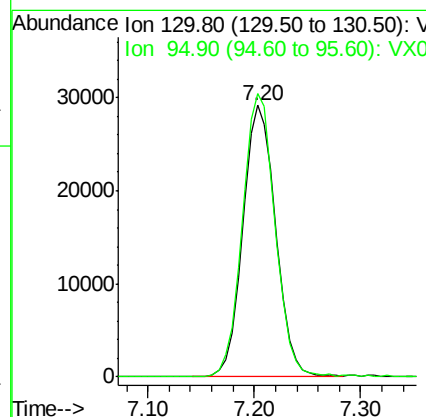
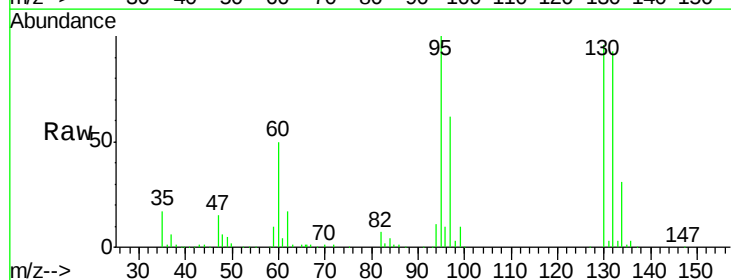
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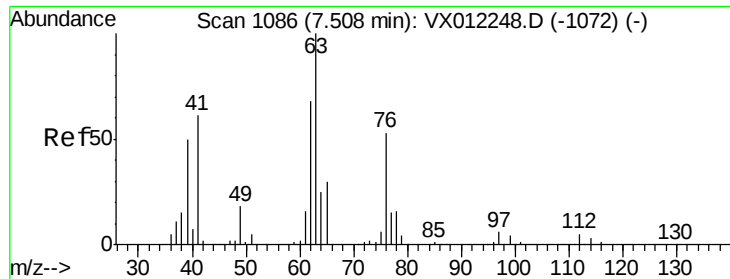


#44

Trichloroethene
 Concen: 47.256 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Tgt Ion:	130	Resp:	63179
Ion Ratio		Lower	Upper
130	100		
95	104.3	0.0	212.0





#45

1,2-Dichloropropane

Concen: 48.412 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 66201

Ion Ratio Lower Upper

63 100

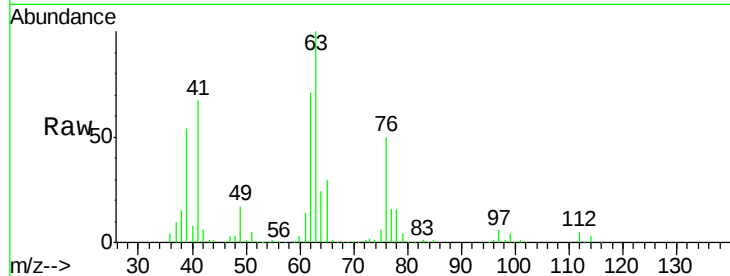
65 29.8 24.3 36.5

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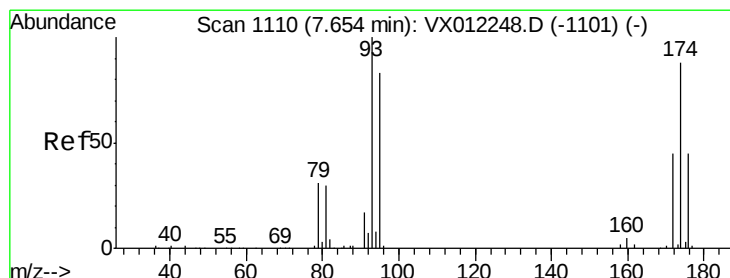
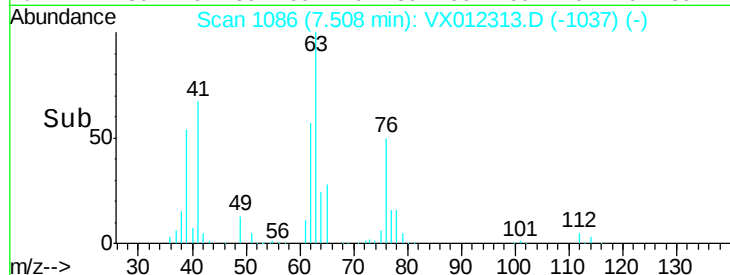
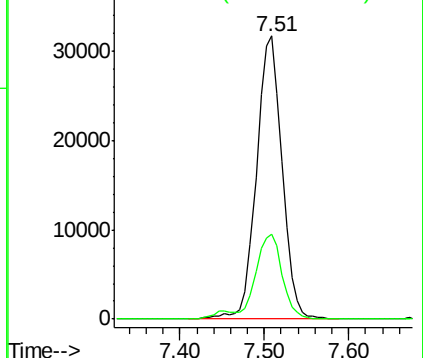
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.756 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

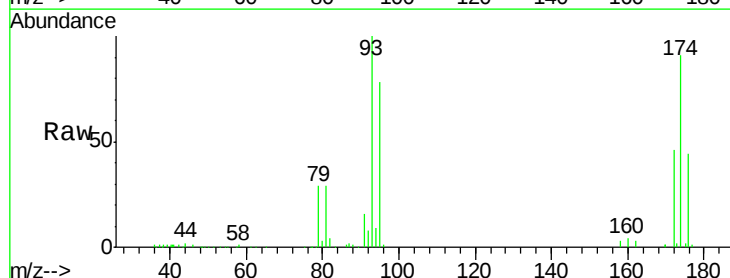
Tgt Ion: 93 Resp: 37933

Ion Ratio Lower Upper

93 100

95 82.9 65.7 98.5

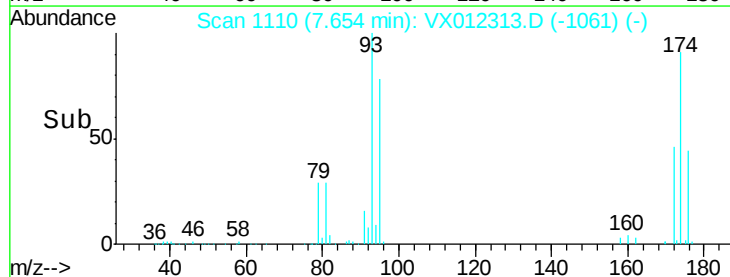
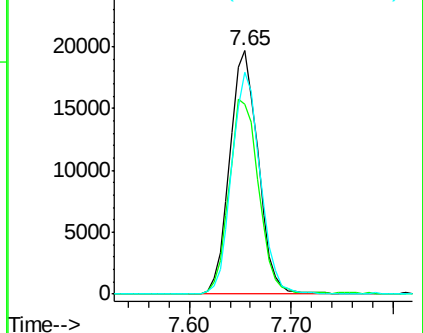
174 90.8 71.0 106.4

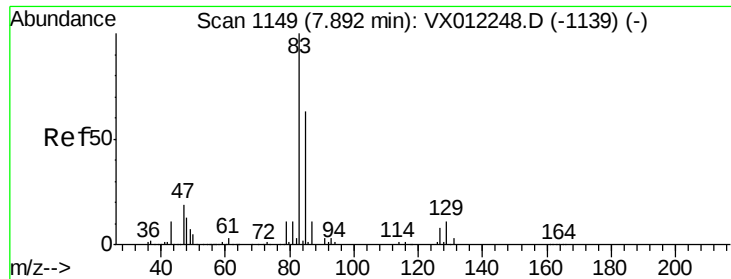


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





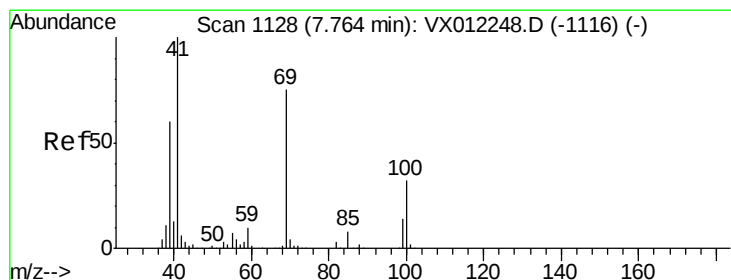
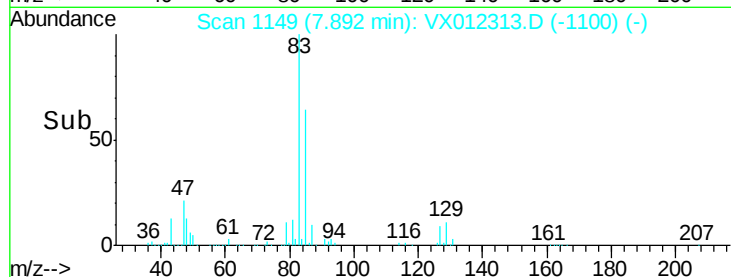
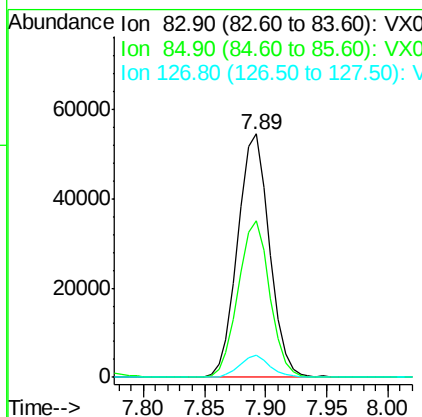
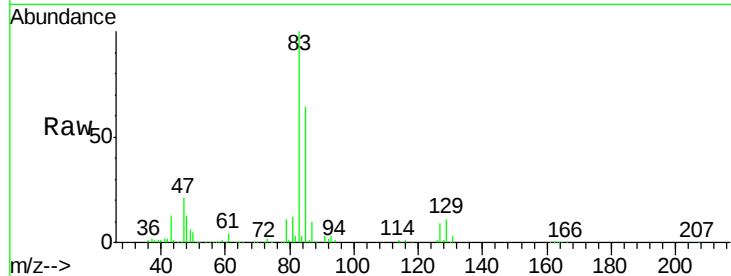
#47
Bromodichloromethane
Concen: 48.220 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	98345
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.2	75.4
127	9.2	6.3	9.5

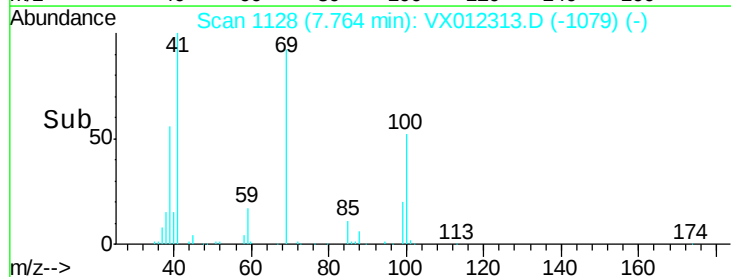
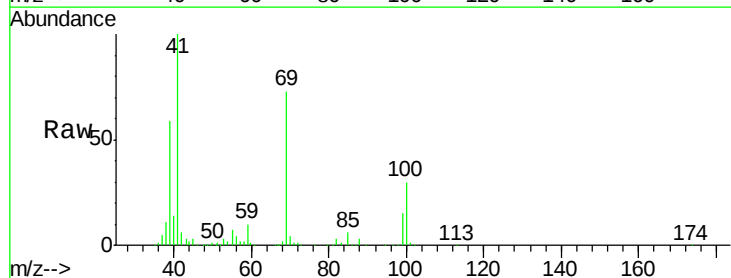
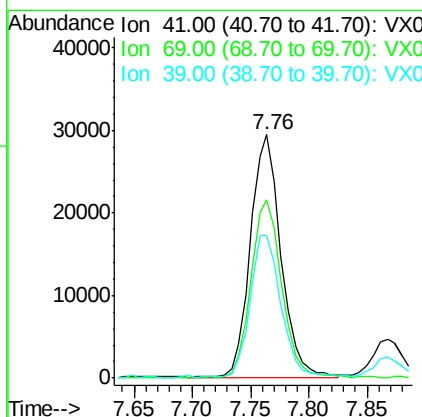
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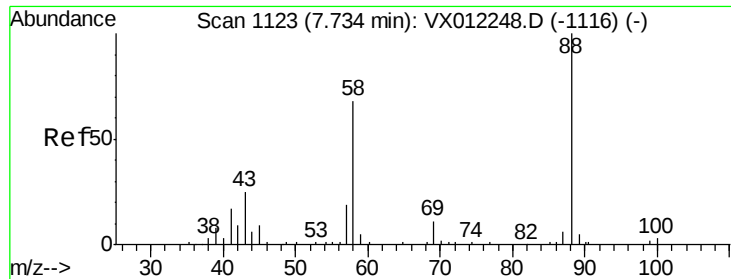
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#48
Methyl methacrylate
Concen: 52.481 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	41	Resp	53439
Ion Ratio	100	Lower	Upper
41	100		
69	74.9	61.8	92.6
39	58.8	48.6	73.0





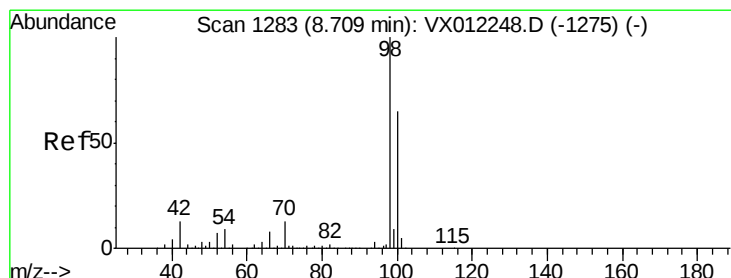
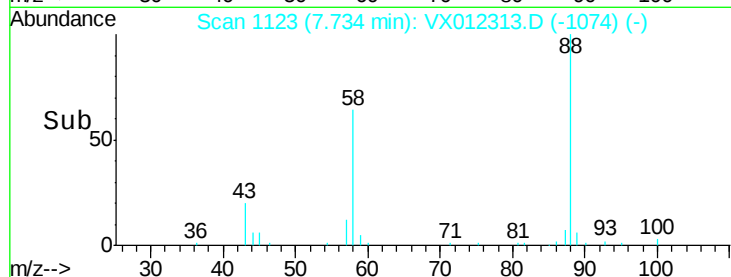
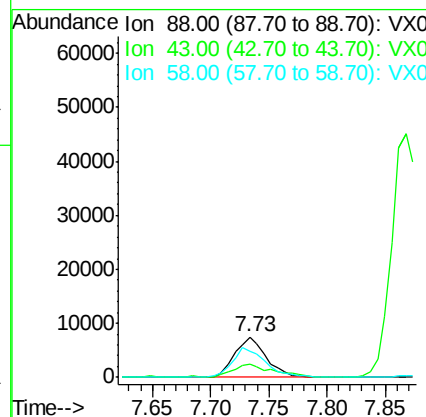
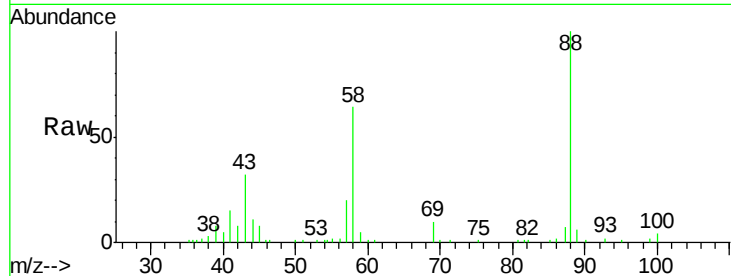
#49
 1,4-Dioxane
 Concen: 1031.067 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	31.0	46.4
58	74.4	61.5	92.3

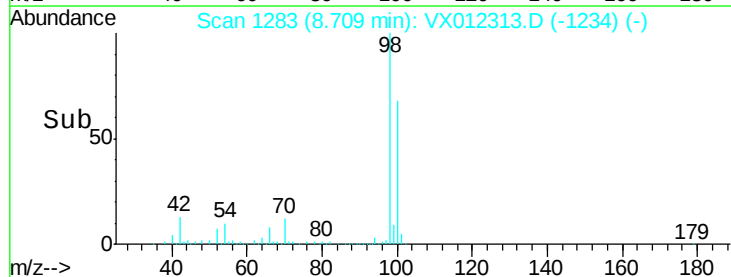
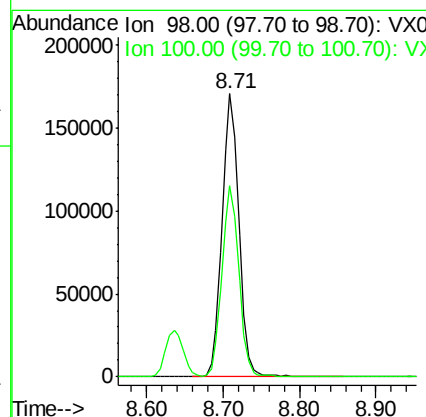
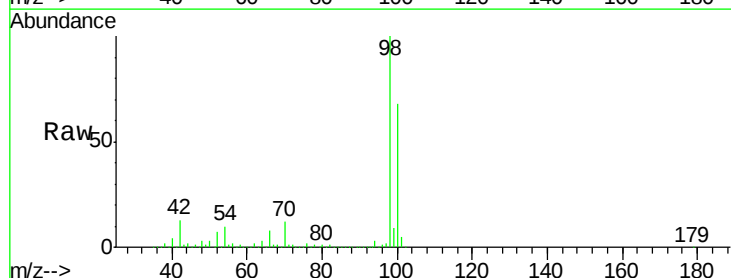
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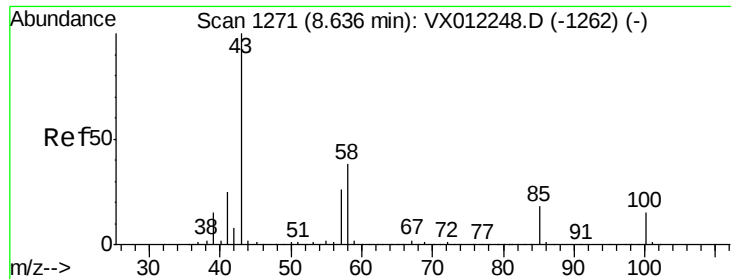
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#50
 Toluene-d8
 Concen: 51.933 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.9	54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 257.236 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 288810

Ion Ratio Lower Upper

43 100

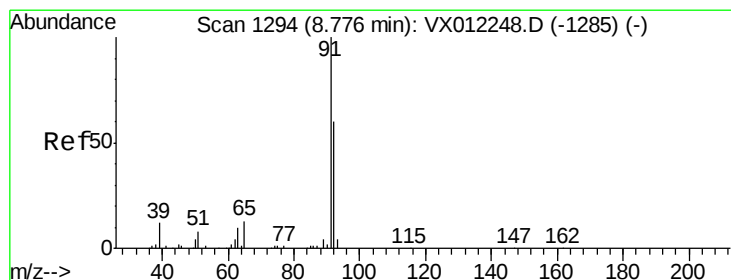
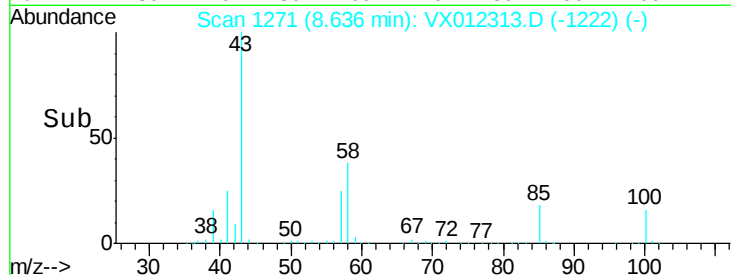
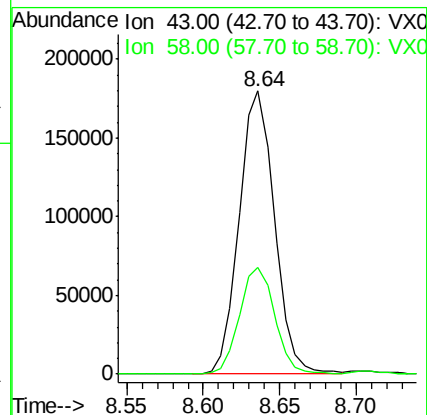
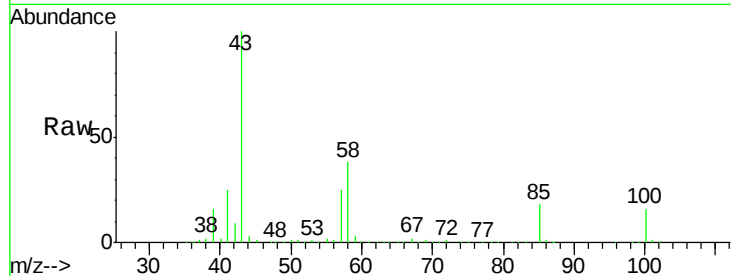
58 37.7 30.1 45.1

Manual Integrations

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#52

Toluene

Concen: 47.575 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX012313.D

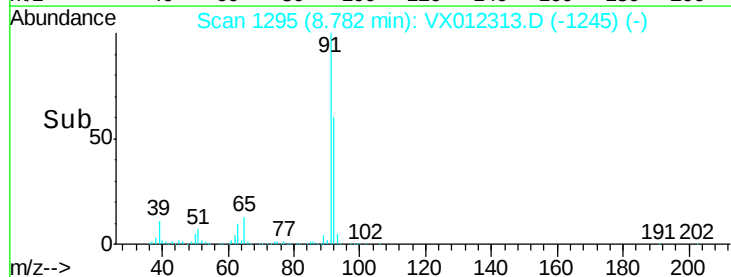
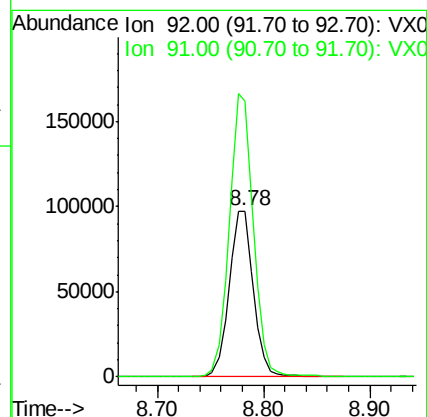
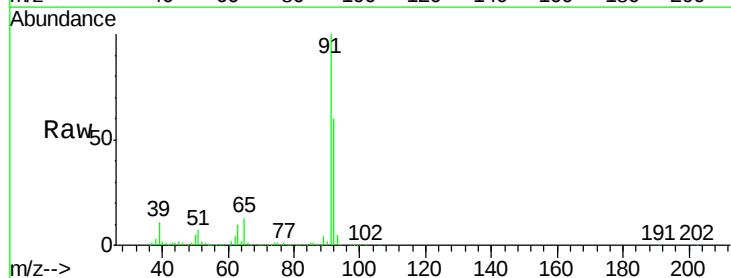
Acq: 11 Sep 2019 20:17

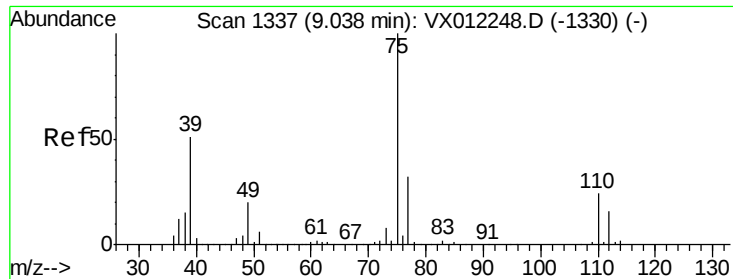
Tgt Ion: 92 Resp: 155242

Ion Ratio Lower Upper

92 100

91 169.9 133.6 200.4





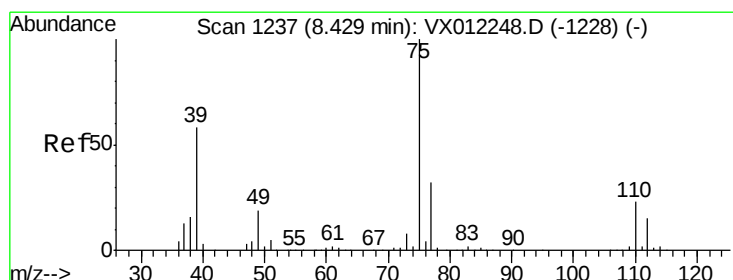
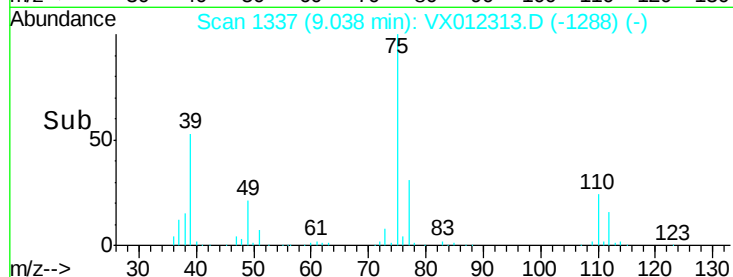
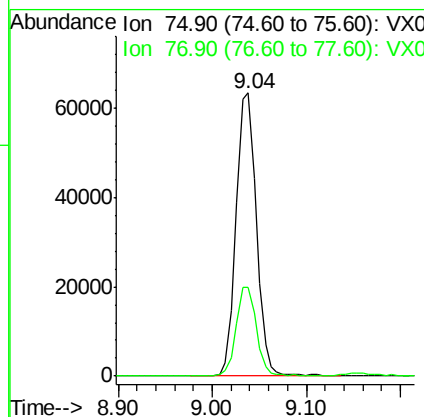
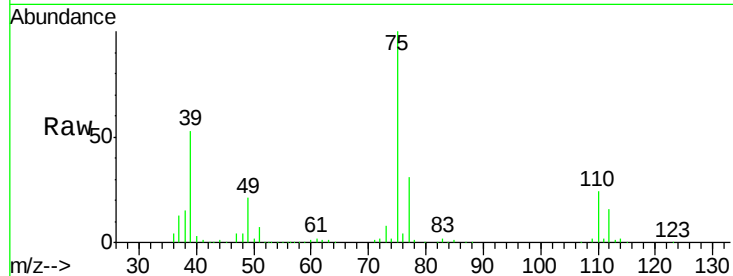
#53
t-1,3-Dichloropropene
Concen: 46.843 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 95356
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.6

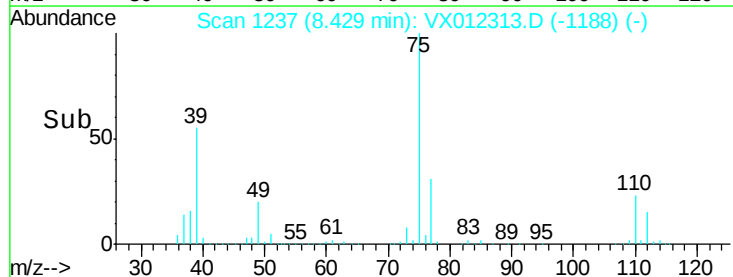
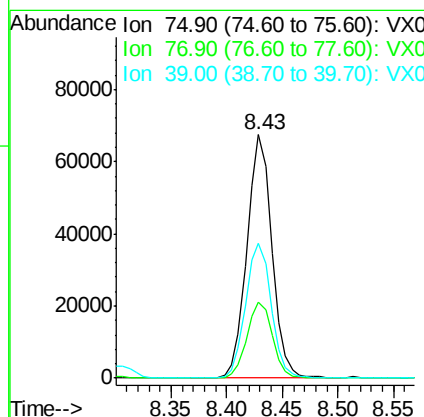
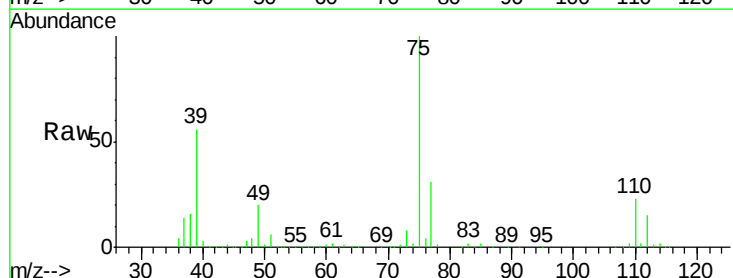
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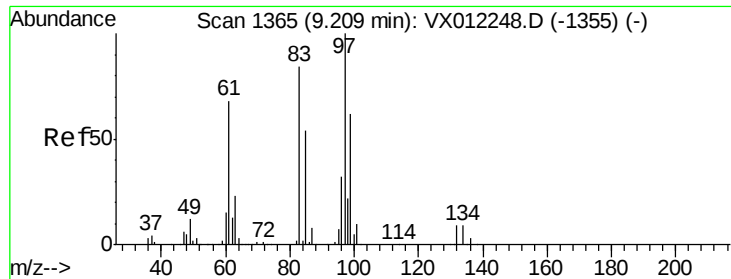
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#54
cis-1,3-Dichloropropene
Concen: 46.686 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion: 75 Resp: 105384
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2
39 55.3 46.5 69.7





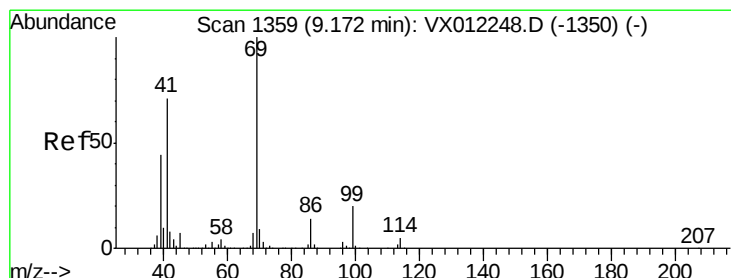
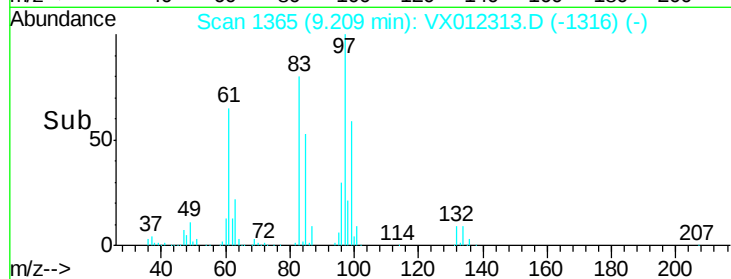
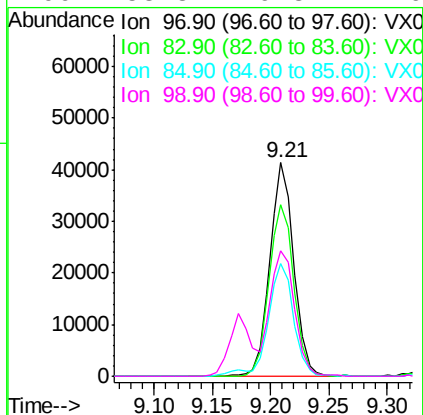
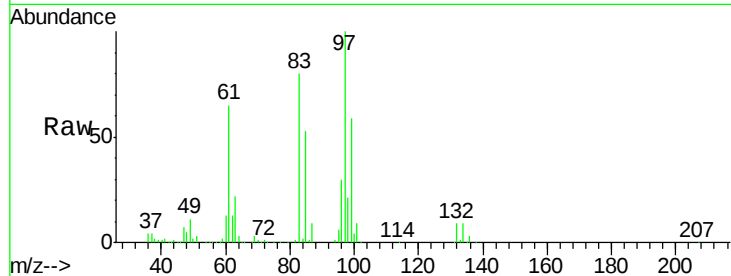
#55
 1,1,2-Trichloroethane
 Concen: 51.090 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	59155
Ion	Ratio	Lower	Upper
97	100		
83	80.3	67.4	101.2
85	52.7	43.4	65.2
99	58.8	49.8	74.6

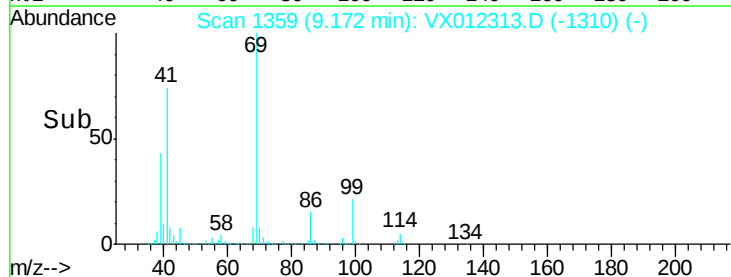
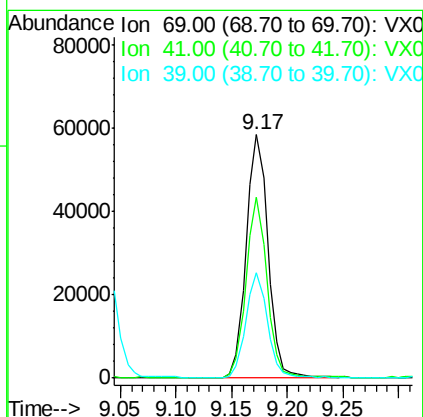
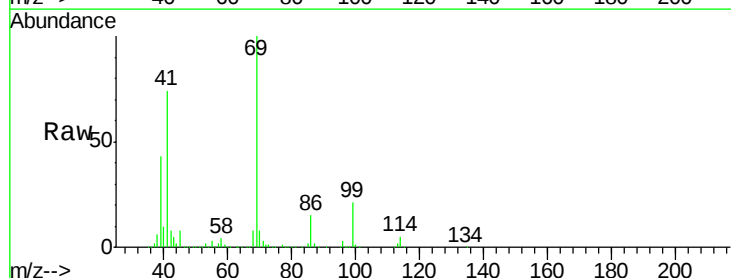
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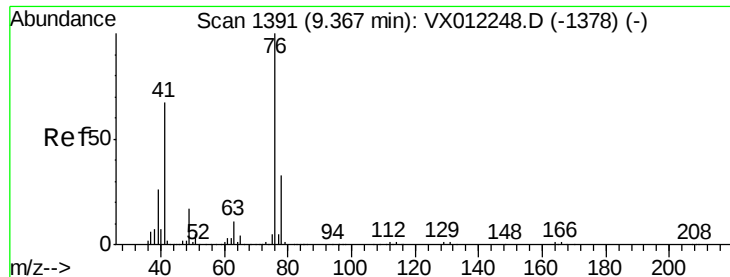
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#56
 Ethyl methacrylate
 Concen: 51.127 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Tgt Ion:	69	Resp:	80152
Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.7	86.5
39	42.1	34.0	51.0





#57

1,3-Dichloropropane

Concen: 50.661 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 100183

Ion Ratio Lower Upper

76 100

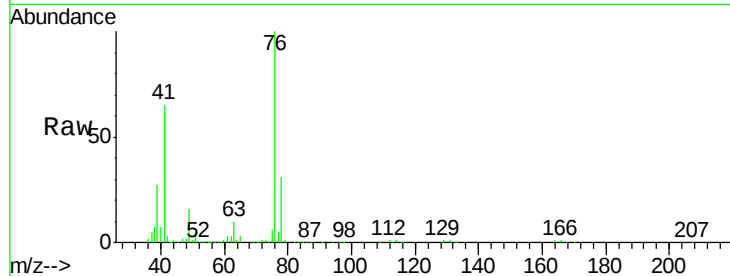
78 31.9 26.0 39.0

Manual Integrations

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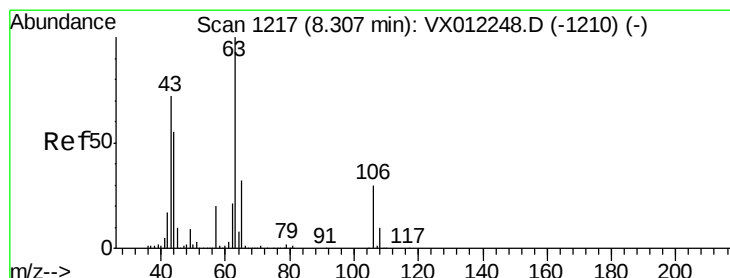
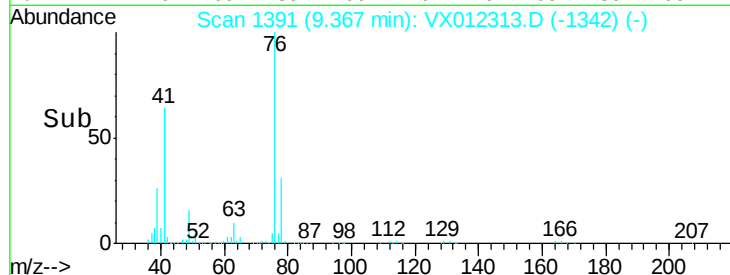
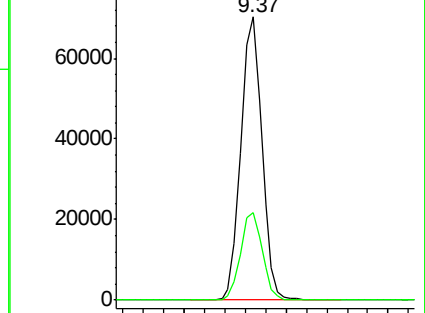
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 261.728 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012313.D

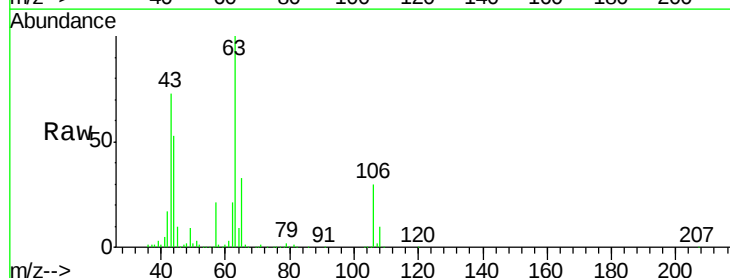
Acq: 11 Sep 2019 20:17

Tgt Ion: 63 Resp: 210296

Ion Ratio Lower Upper

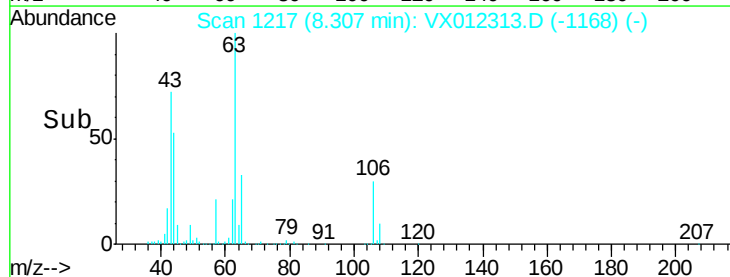
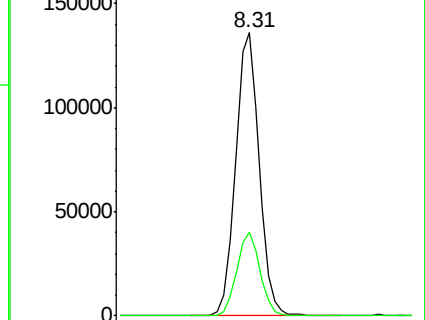
63 100

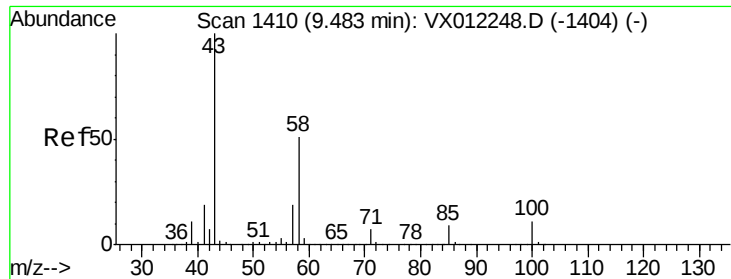
106 29.5 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





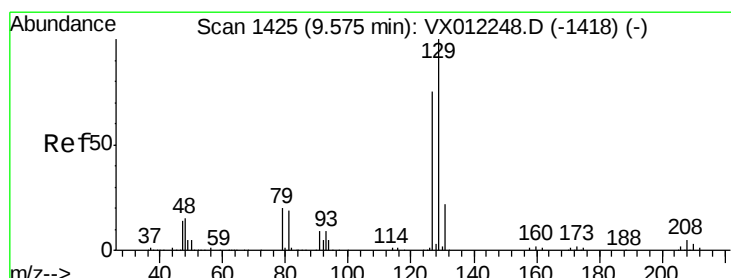
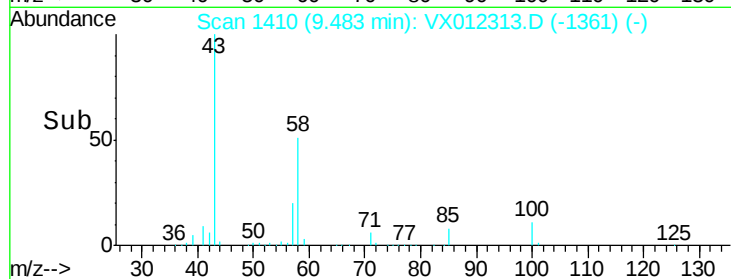
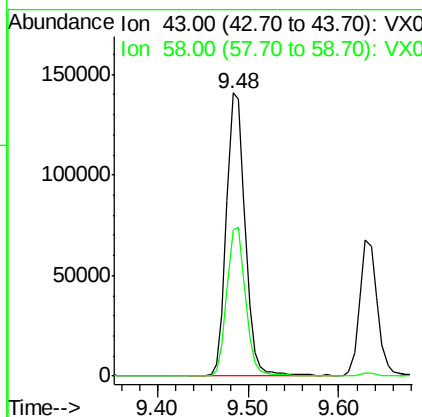
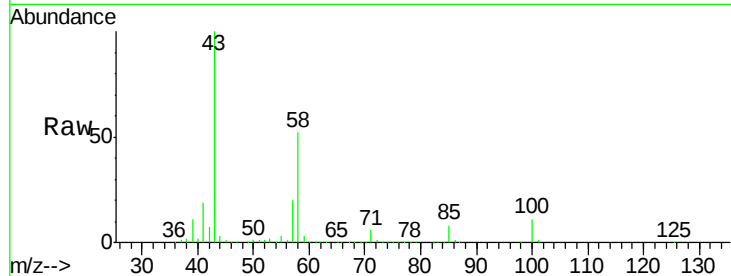
#59
2-Hexanone
Concen: 258.875 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 202091
Ion Ratio Lower Upper
43 100
58 52.9 25.8 77.3

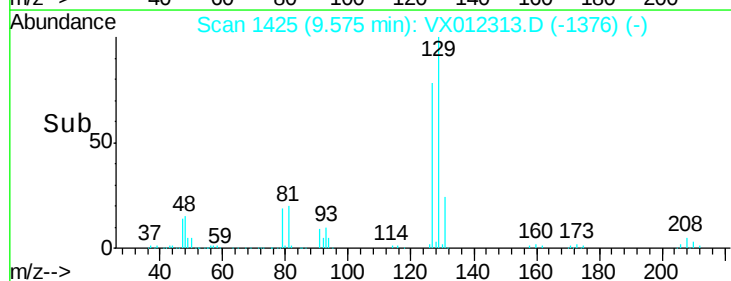
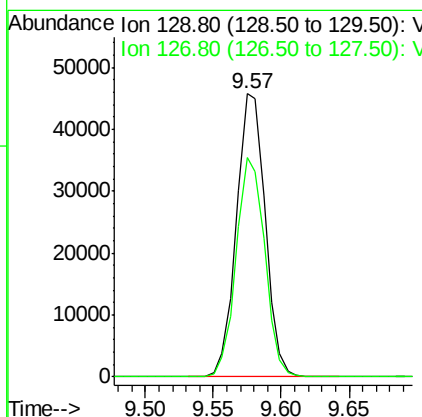
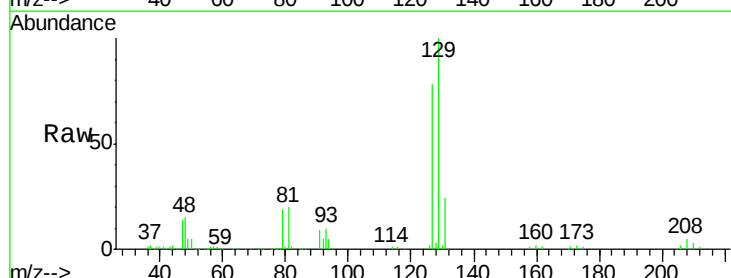
Manual Integrations
APPROVED

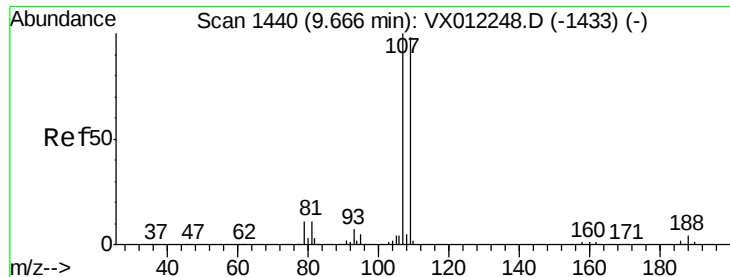
MMDadoda
9/12/2019 9:26:37 AM



#60
Dibromochloromethane
Concen: 49.972 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion: 129 Resp: 67547
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 50.567 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 54500

Ion Ratio Lower Upper

107 100

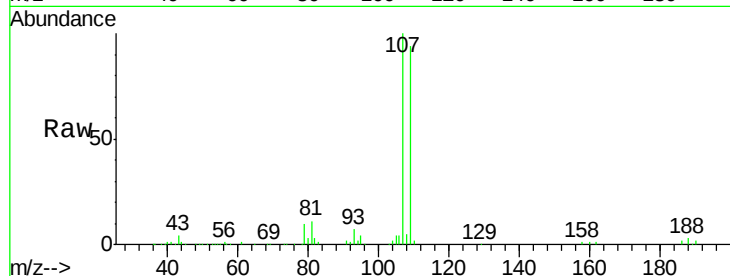
109 95.5 76.3 114.5

Manual Integrations

APPROVED

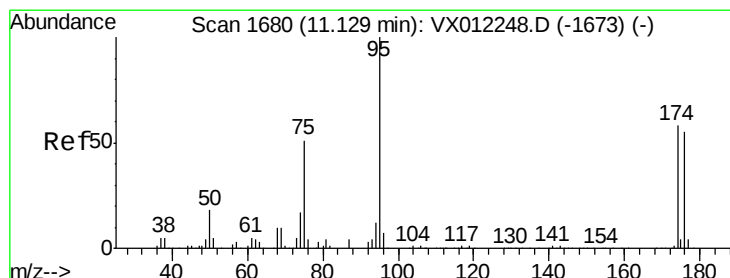
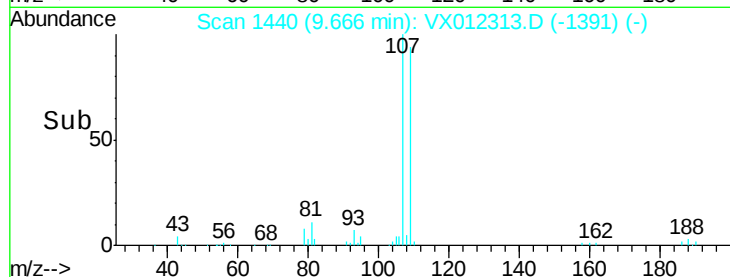
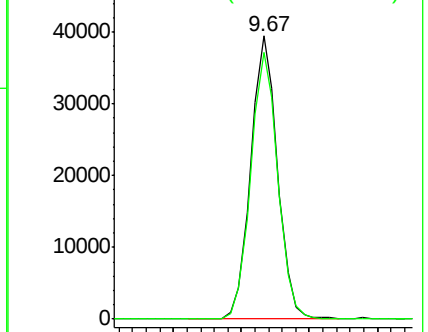
MMDadoda

9/12/2019 9:26:37 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.439 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

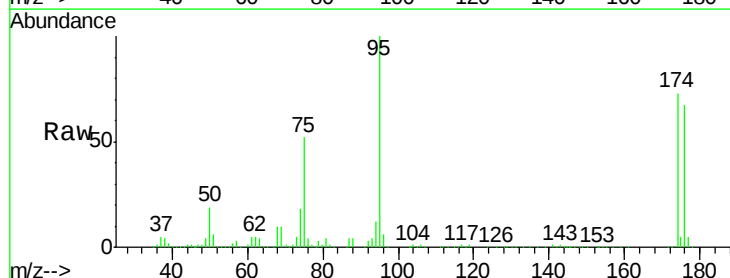
Tgt Ion: 95 Resp: 113024

Ion Ratio Lower Upper

95 100

174 68.2 0.0 127.0

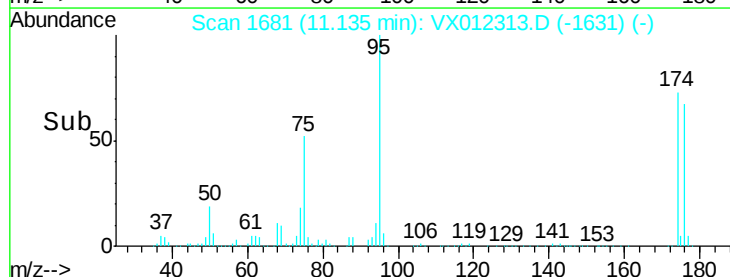
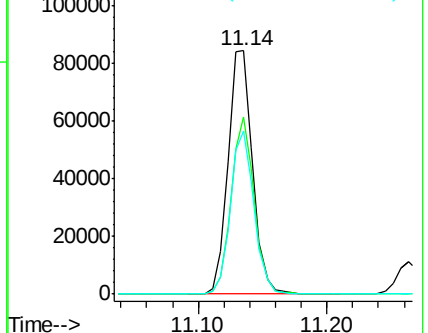
176 63.9 0.0 125.8

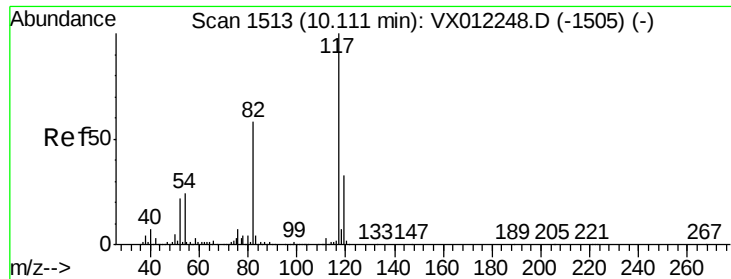


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





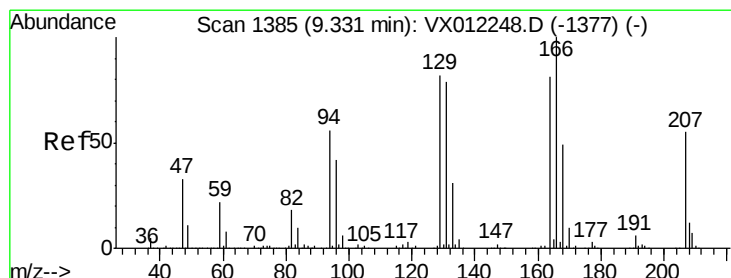
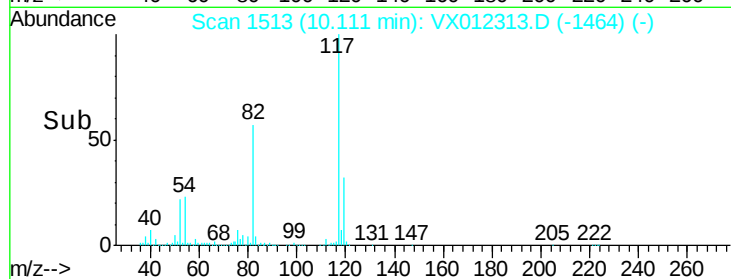
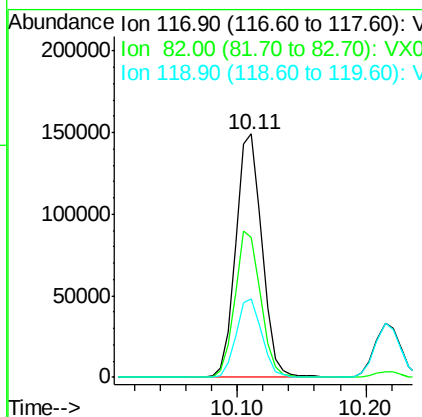
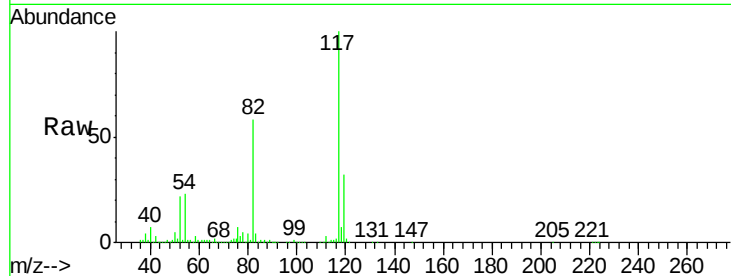
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	210528		
82	57.6	46.4	69.6	
119	32.3	26.6	39.8	

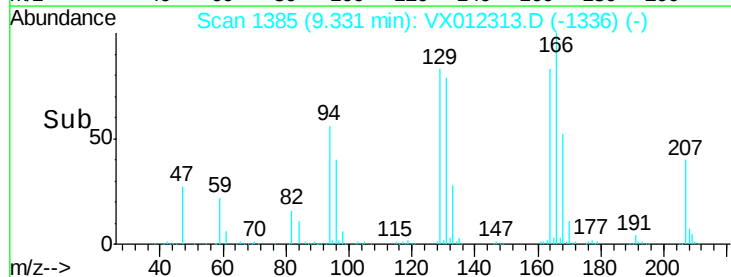
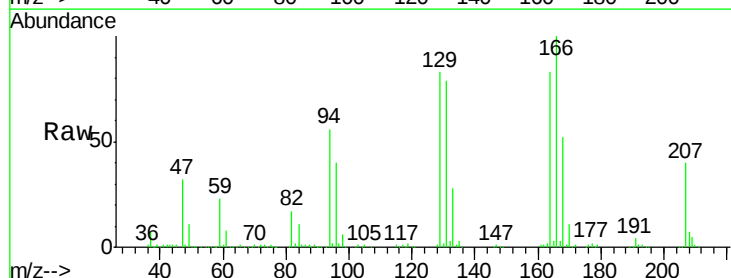
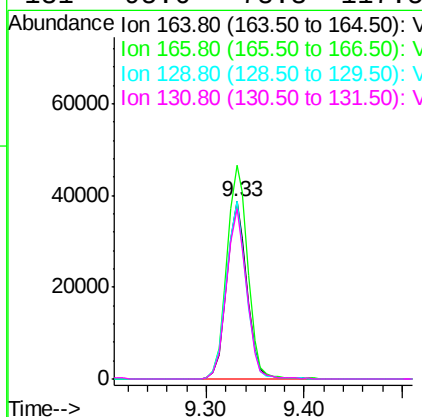
Manual Integrations
APPROVED

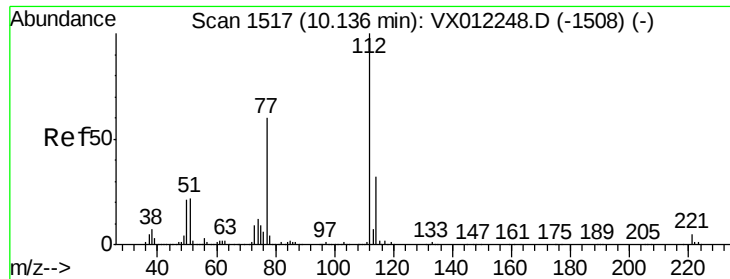
MMDadoda
9/12/2019 9:26:37 AM



#64
Tetrachloroethene
Concen: 49.457 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55066		
166	120.2	99.4	149.0	
129	100.2	81.8	122.8	
131	95.6	78.3	117.5	





#65

Chlorobenzene

Concen: 46.813 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 180076

Ion Ratio Lower Upper

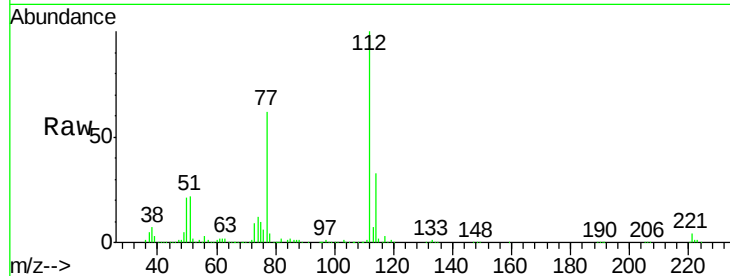
112 100

114 32.5 25.4 38.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

150000

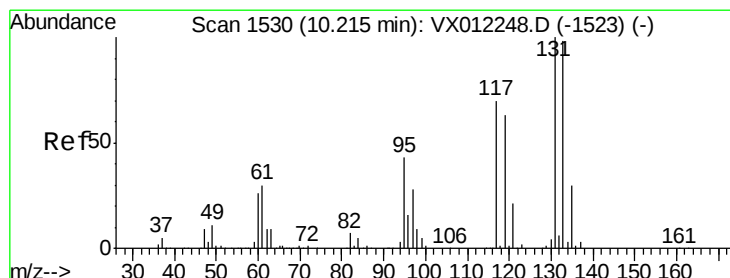
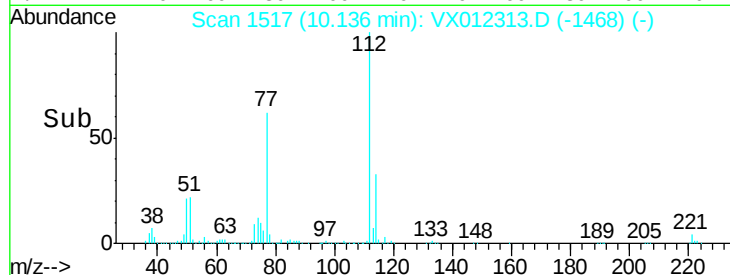
100000

50000

0

10.10 10.20 10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.612 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

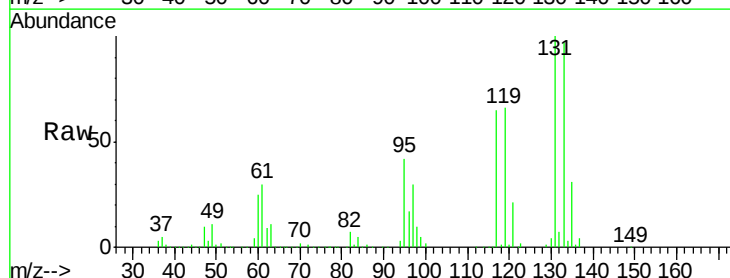
Tgt Ion:131 Resp: 70492

Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.2

119 64.0 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

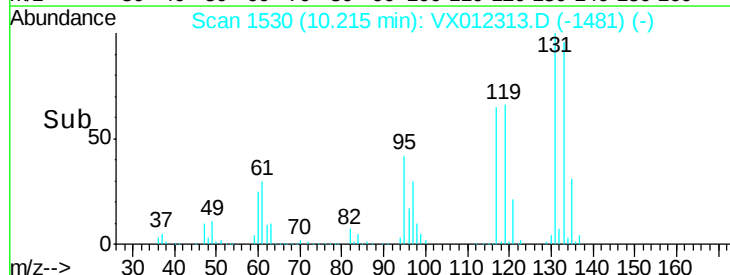
40000

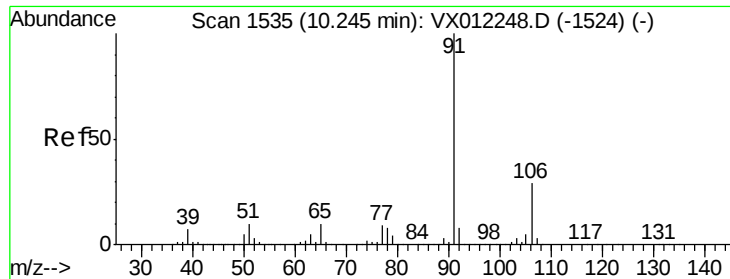
20000

0

10.20 10.30

Time-->





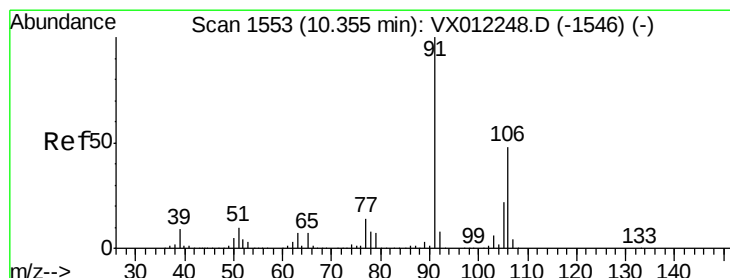
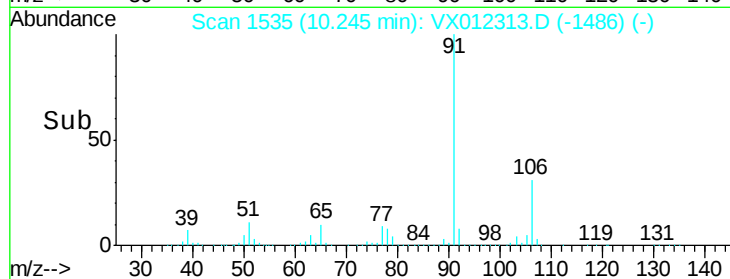
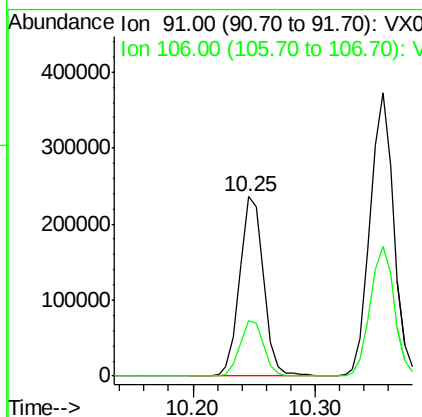
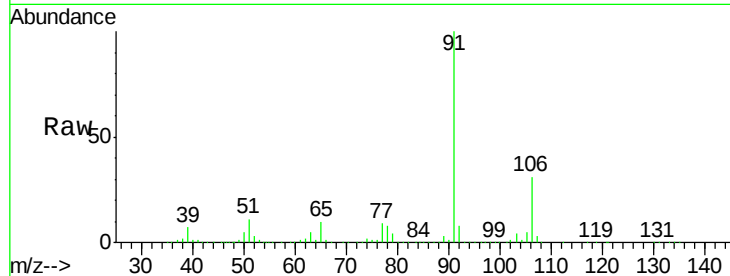
#67
Ethyl Benzene
Concen: 46.547 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 318456
Ion Ratio Lower Upper
91 100
106 30.9 23.1 34.7

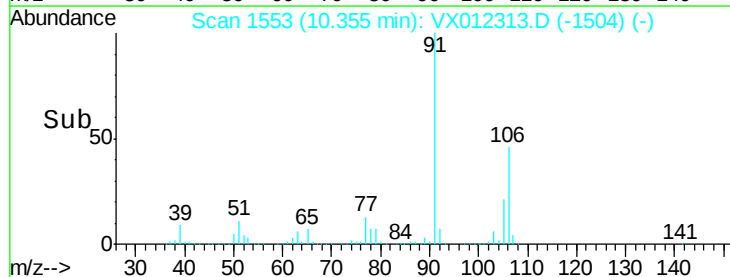
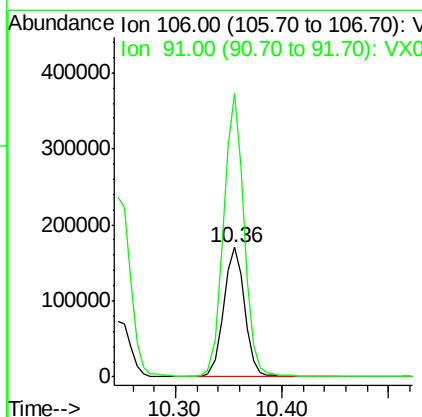
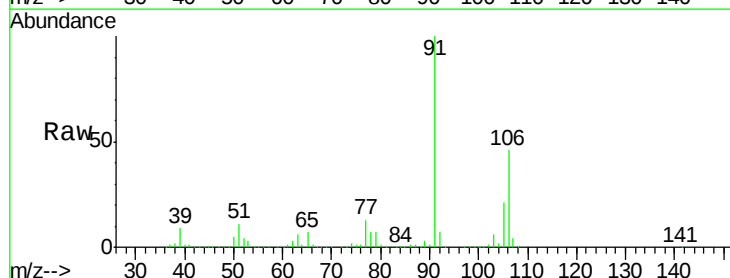
Manual Integrations
APPROVED

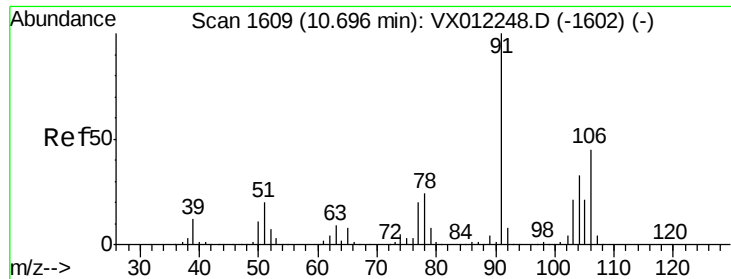
MMDadoda
9/12/2019 9:26:37 AM



#68
m/p-Xylenes
Concen: 93.570 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion: 106 Resp: 235656
Ion Ratio Lower Upper
106 100
91 213.2 167.0 250.6





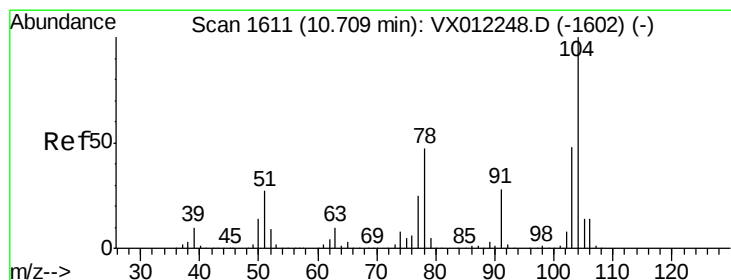
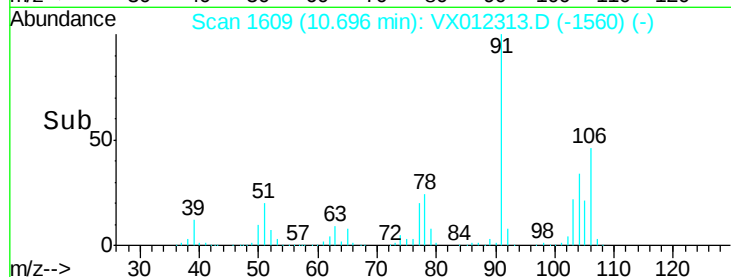
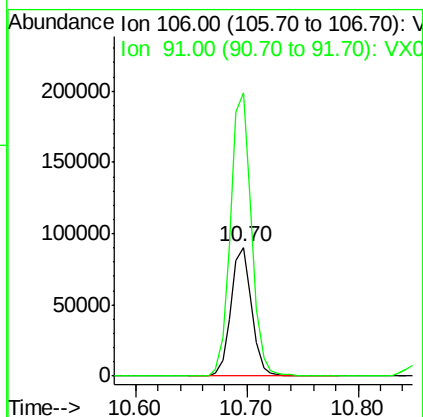
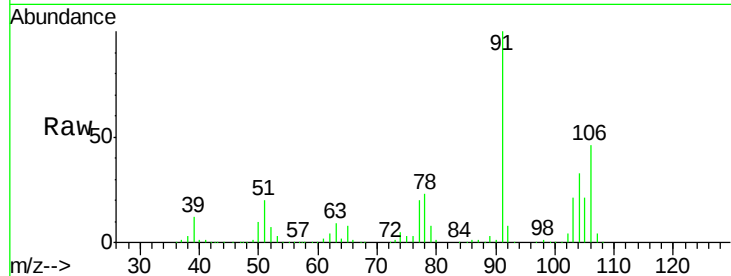
#69
o-Xylene
Concen: 47.218 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 116494
Ion Ratio Lower Upper
106 100
91 221.6 110.5 331.4

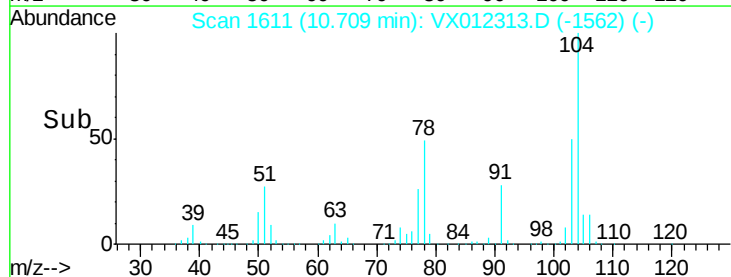
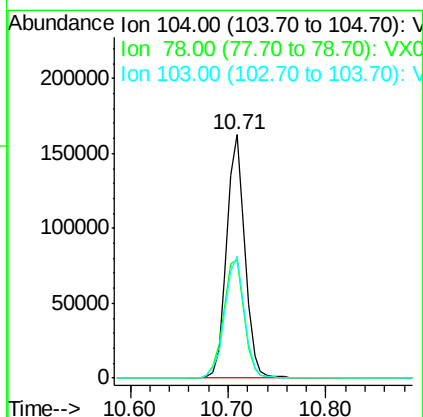
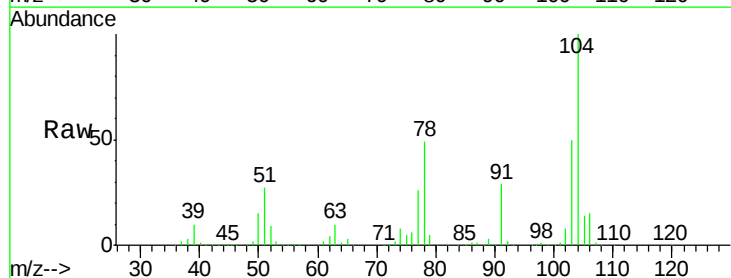
Manual Integrations
APPROVED

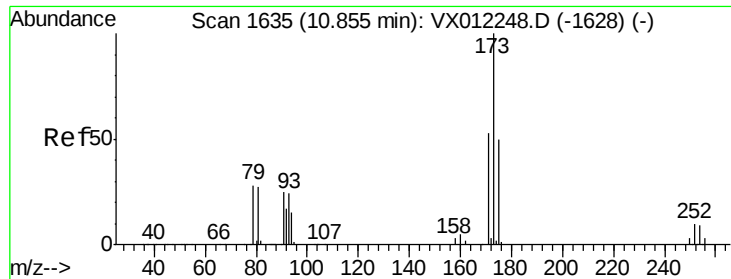
MMDadoda
9/12/2019 9:26:37 AM



#70
Styrene
Concen: 48.263 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion:104 Resp: 211177
Ion Ratio Lower Upper
104 100
78 55.4 44.2 66.2
103 54.2 42.5 63.7





#71

Bromoform

Concen: 49.847 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 37482

Ion Ratio Lower Upper

173 100

175 47.9 24.5 73.5

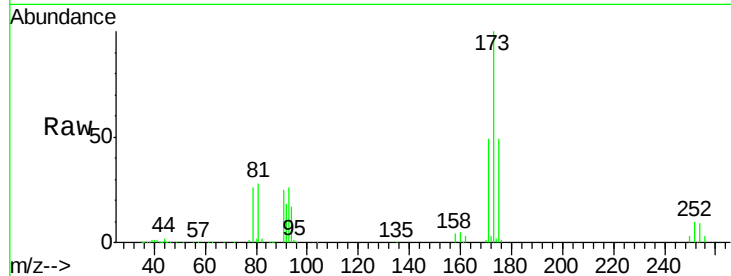
254 0.1 0.2 0.4#

Manual Integrations

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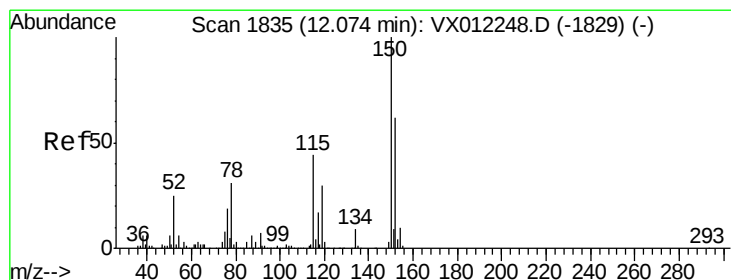
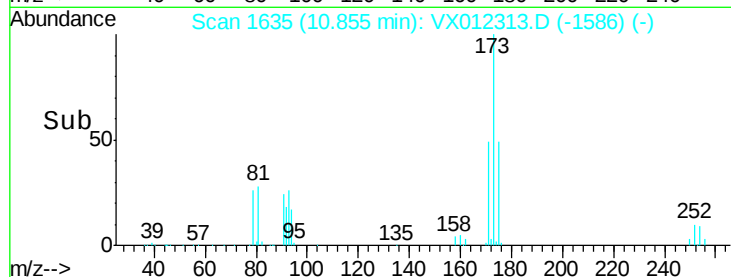
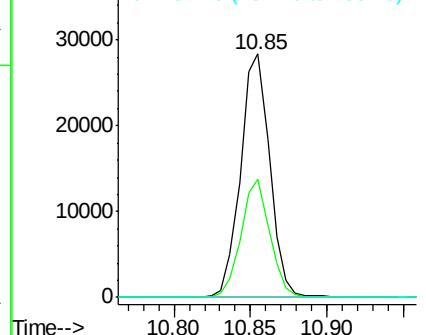
9/12/2019 9:26:37 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

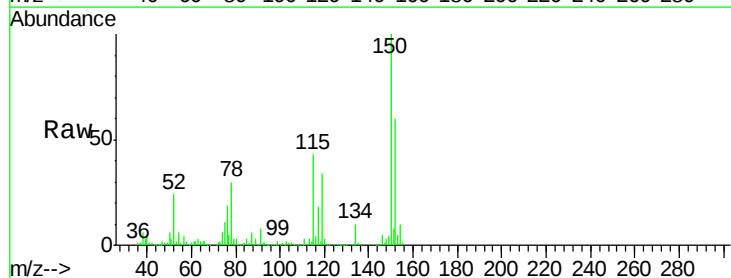
Tgt Ion:152 Resp: 106805

Ion Ratio Lower Upper

152 100

115 87.9 45.5 136.4

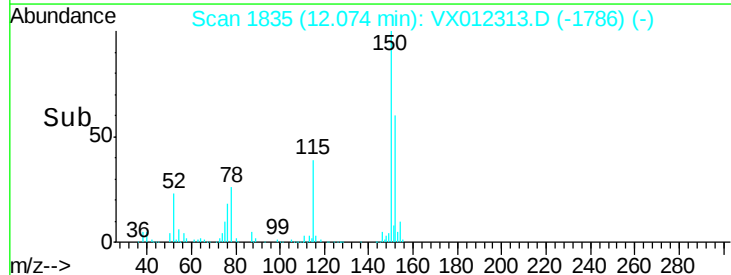
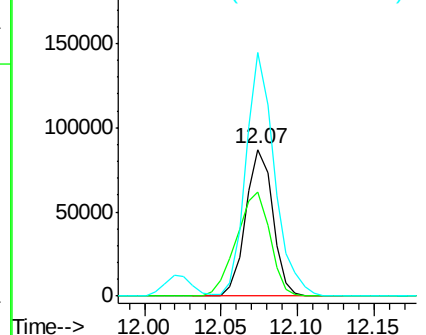
150 175.5 0.0 346.4

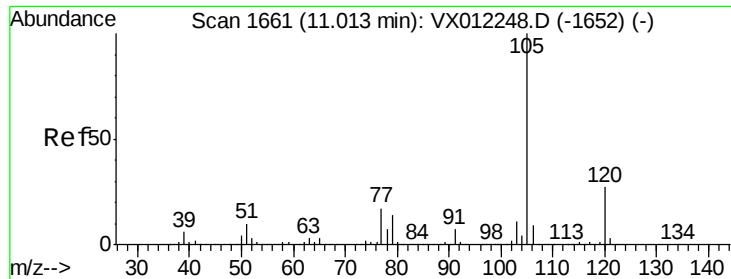


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.271 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 318315

Ion Ratio Lower Upper

105 100

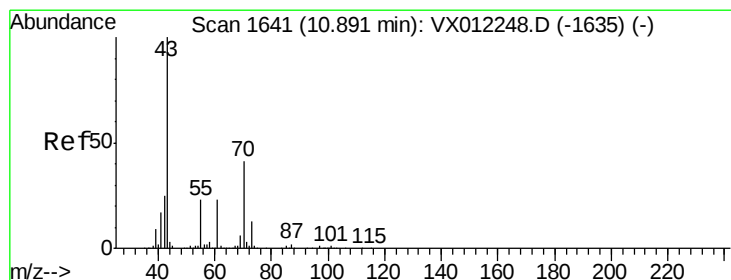
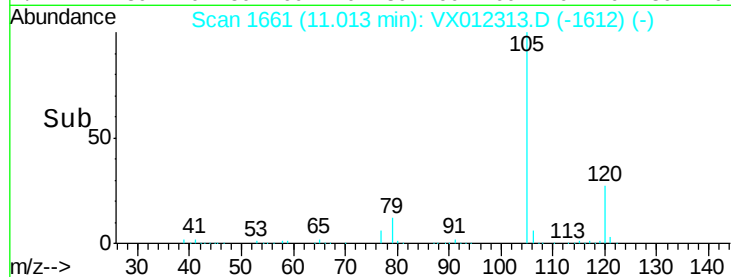
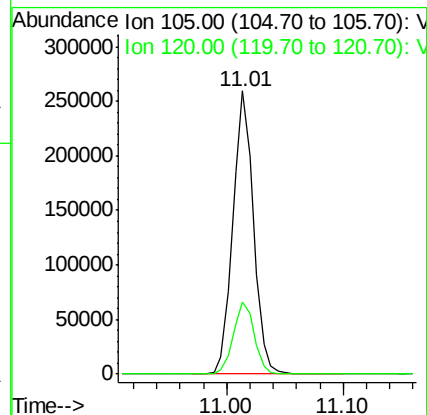
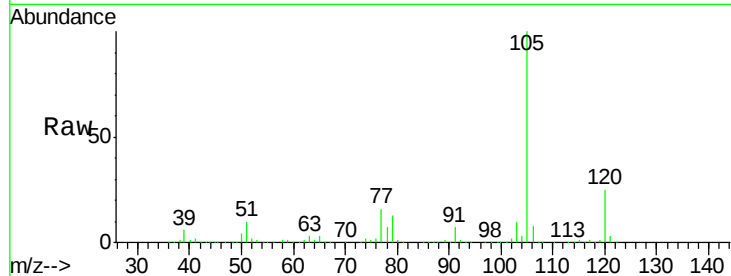
120 26.1 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.858 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Tgt Ion: 43 Resp: 102144

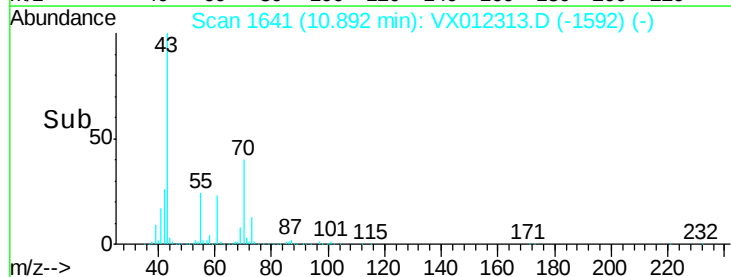
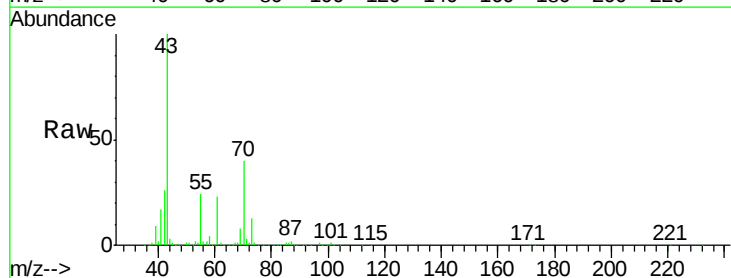
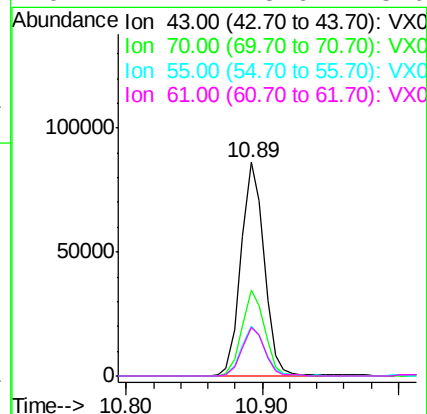
Ion Ratio Lower Upper

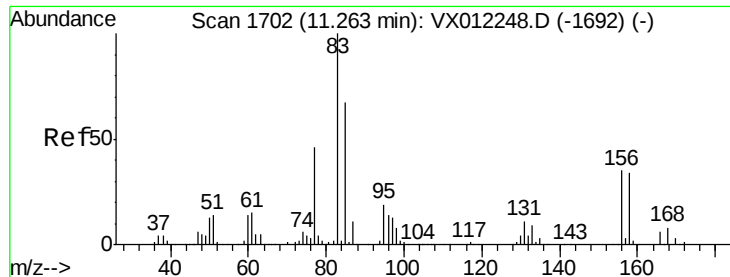
43 100

70 39.9 32.9 49.3

55 23.5 19.1 28.7

61 22.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.599 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

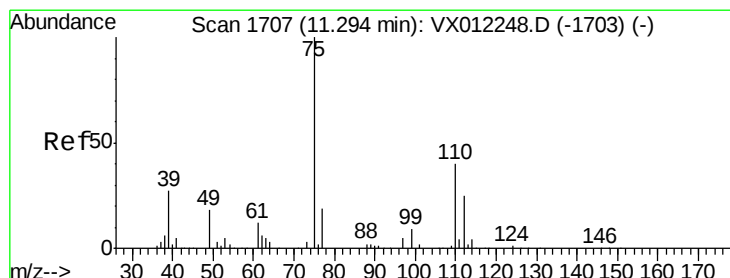
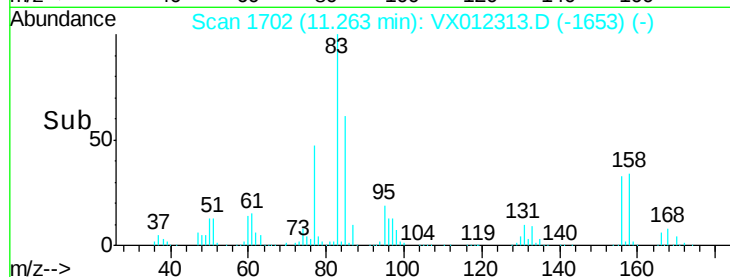
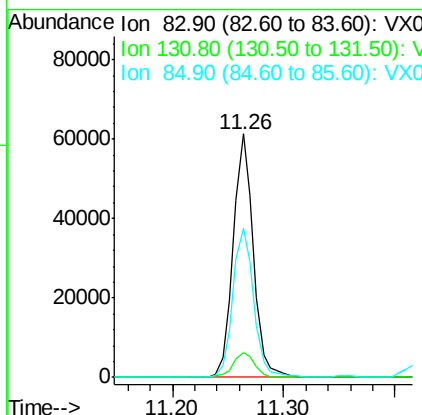
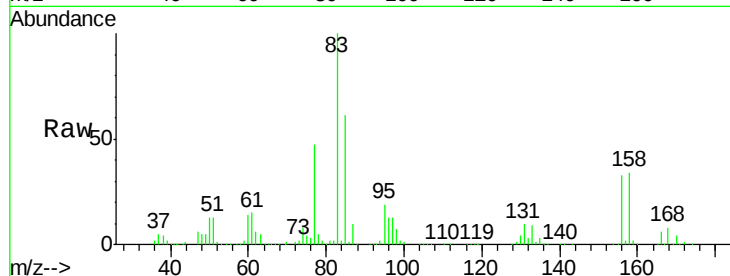
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	76409
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.5	16.4
85	63.7	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.885 ug/l m

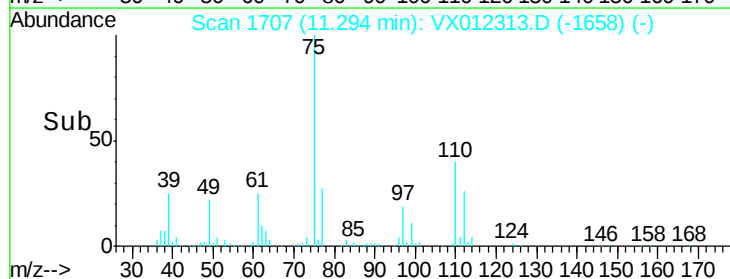
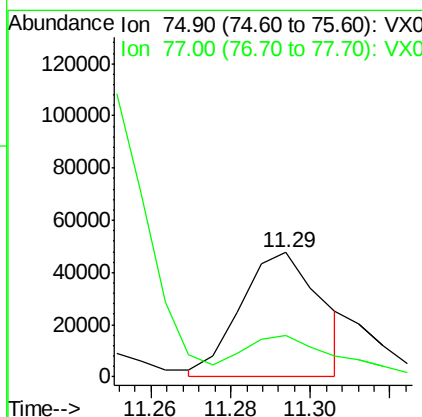
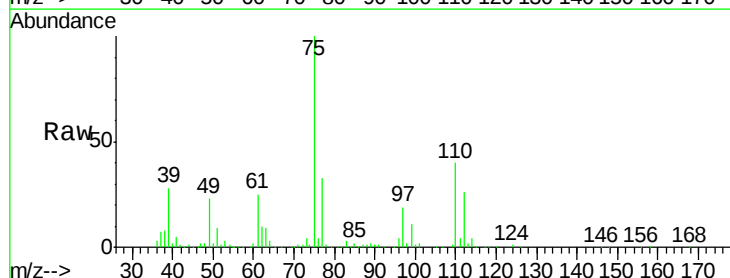
RT: 11.29 min Scan# 1707

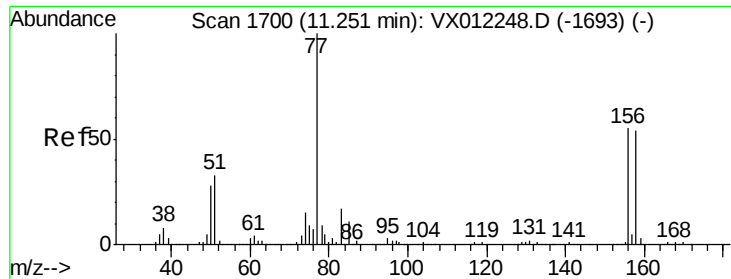
Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Tgt Ion:	75	Resp:	67073
Ion	Ratio	Lower	Upper
75	100		
77	38.6	19.7	59.0





#77

Bromobenzene

Concen: 48.819 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

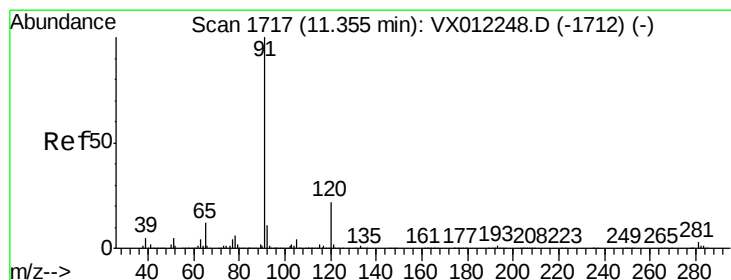
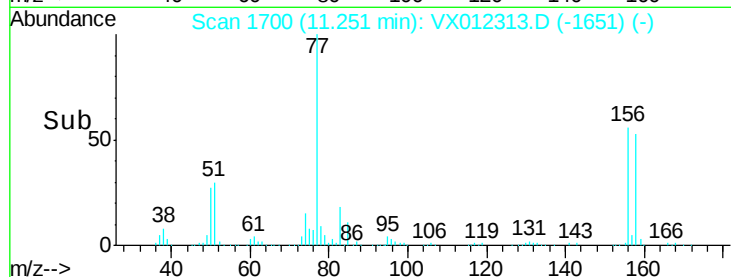
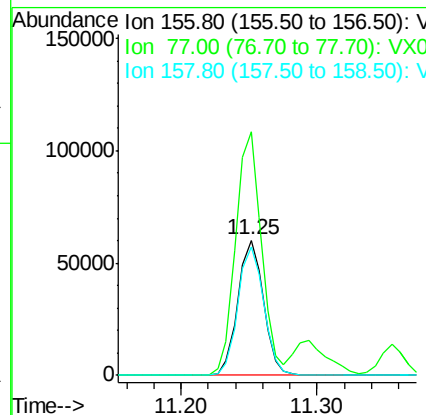
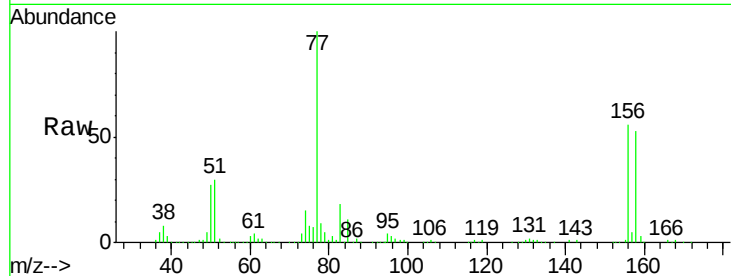
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	79030
Ion	Ratio	Lower	Upper
156	100		
77	181.3	92.2	276.6
158	96.7	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 45.777 ug/l

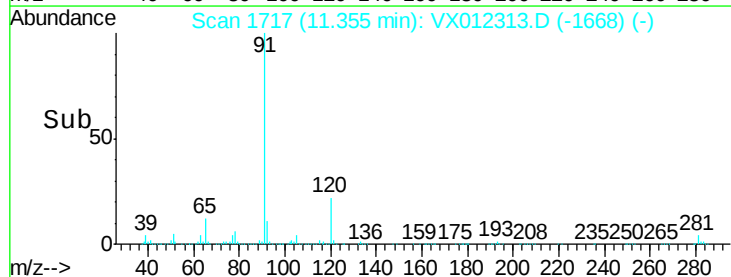
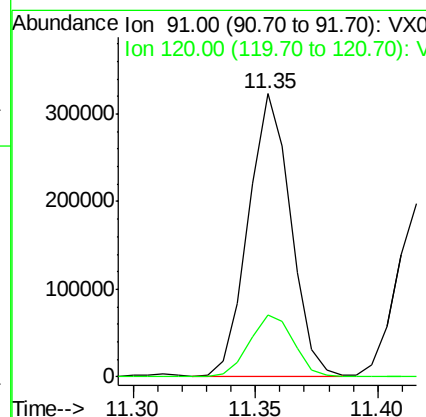
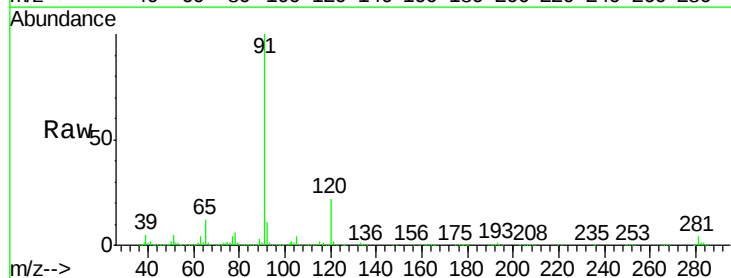
RT: 11.35 min Scan# 1717

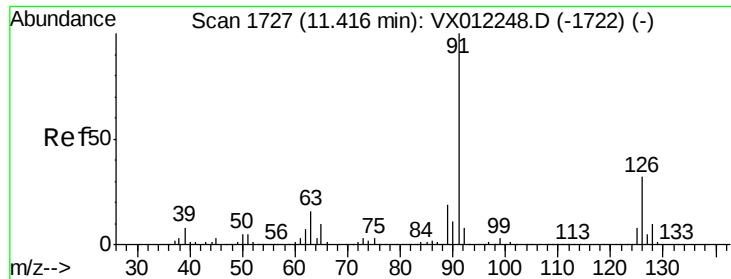
Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Tgt Ion:	91	Resp:	388690
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.6





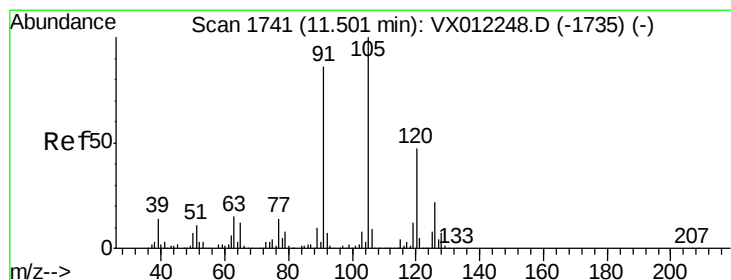
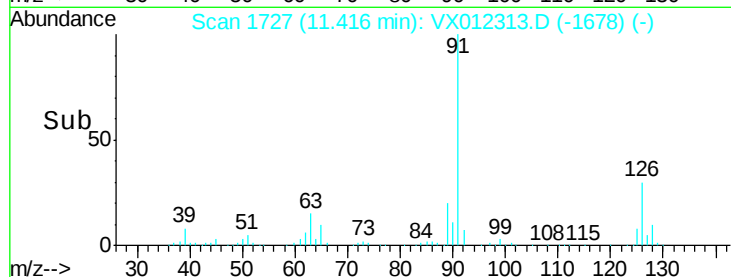
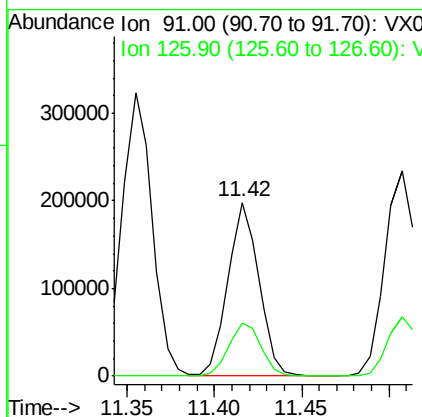
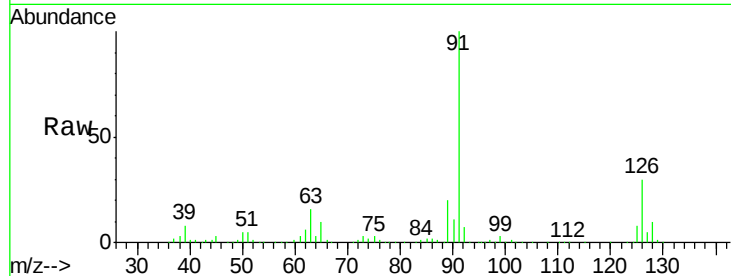
#79
2-Chlorotoluene
Concen: 46.412 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 244156
Ion Ratio Lower Upper
91 100
126 32.2 15.9 47.7

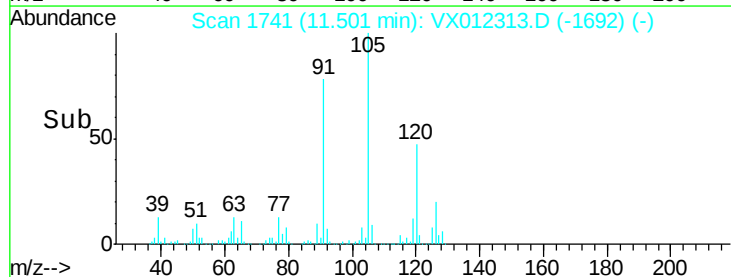
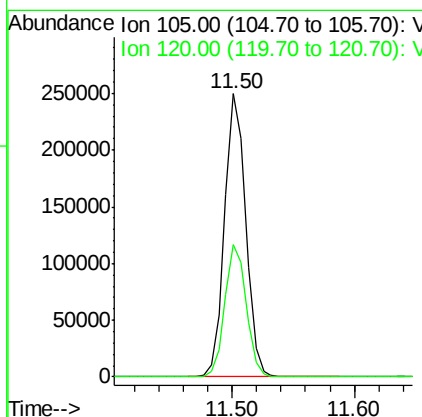
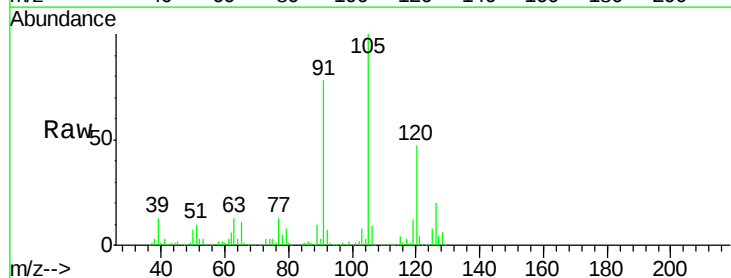
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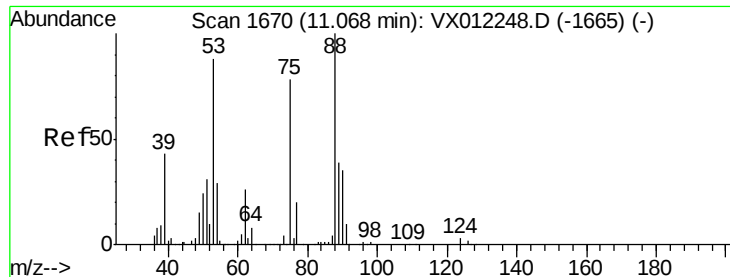
MMDadoda
9/12/2019 9:26:37 AM



#80
1,3,5-Trimethylbenzene
Concen: 47.156 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion: 105 Resp: 298175
Ion Ratio Lower Upper
105 100
120 47.1 23.7 71.1





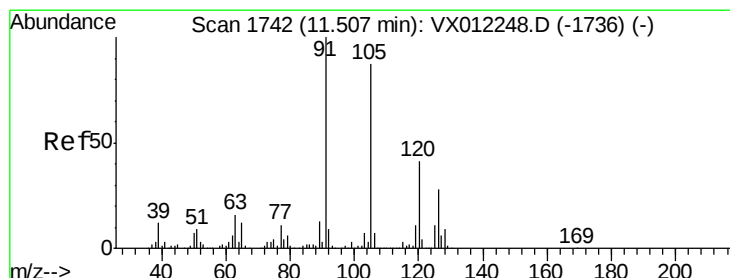
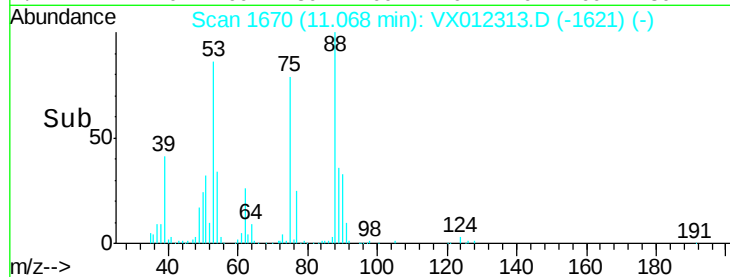
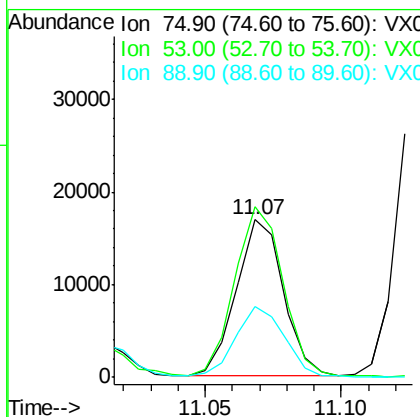
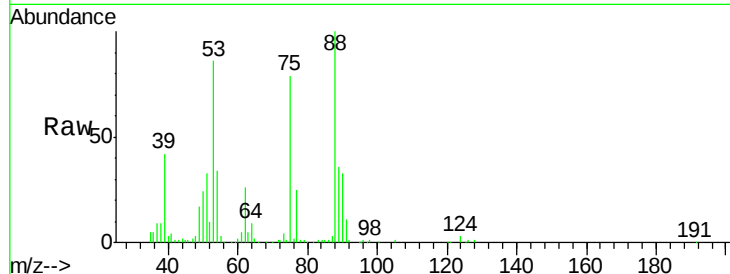
#81
trans-1,4-Dichloro-2-butene
Concen: 44.382 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.1	88.1	132.1
89	47.7	43.5	65.3

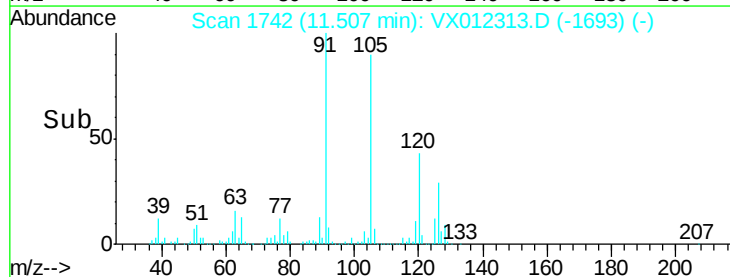
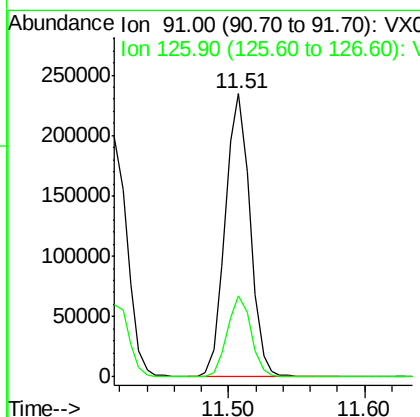
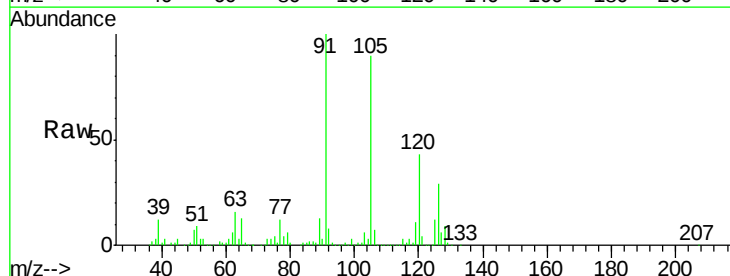
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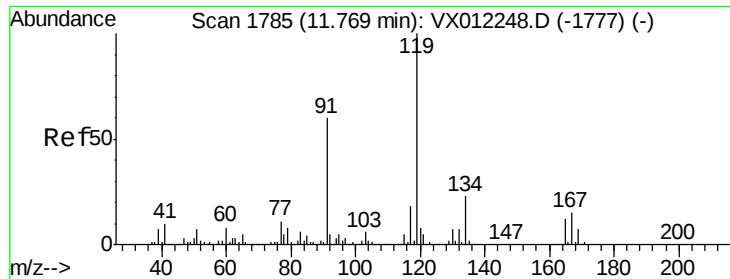
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#82
4-Chlorotoluene
Concen: 46.843 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.0	42.0





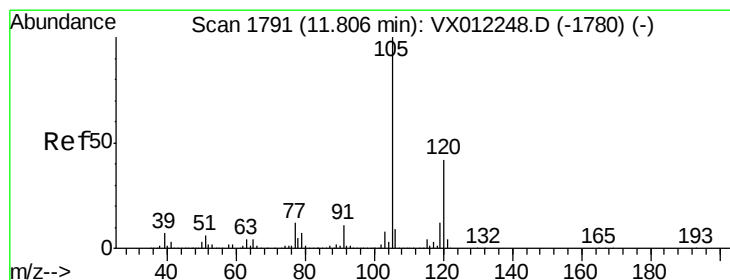
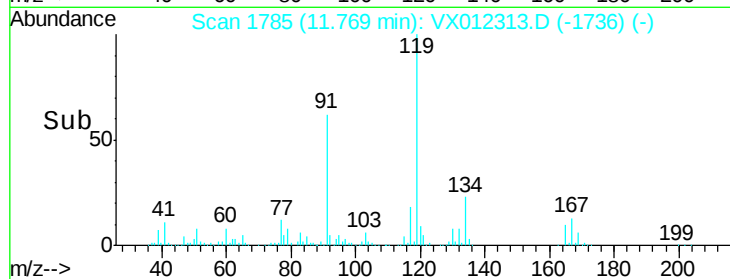
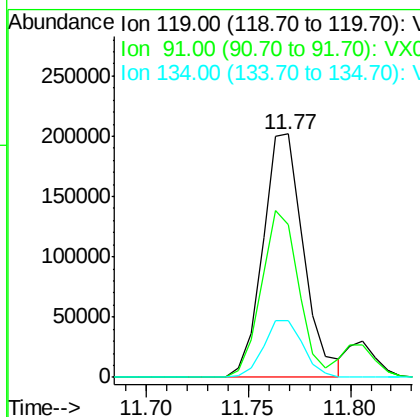
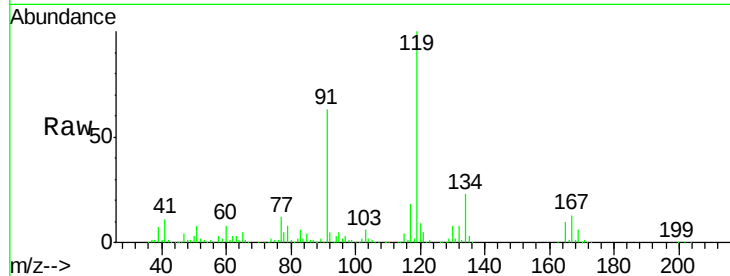
#83
tert-Butylbenzene
Concen: 45.871 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281642		
91	62.5	30.9	92.8	
134	22.7	11.2	33.6	

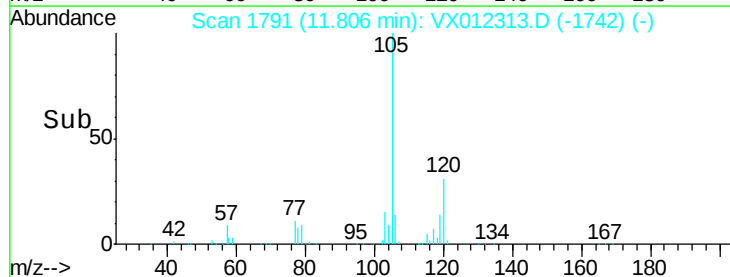
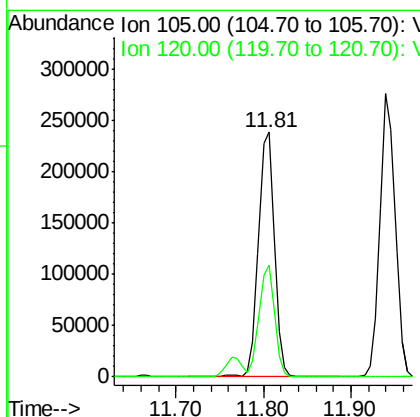
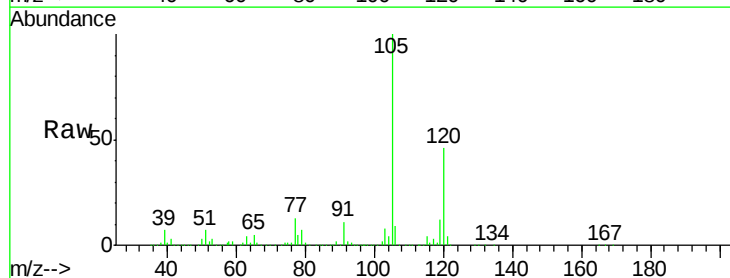
Manual Integrations
APPROVED

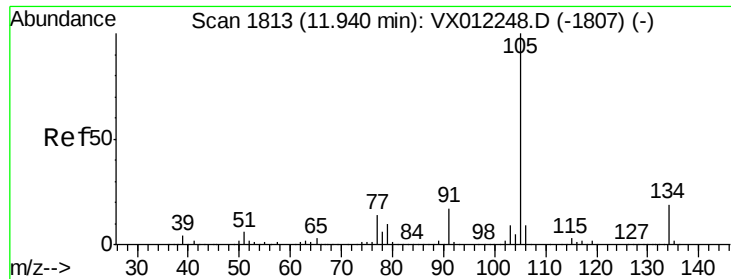
MMDadoda
9/12/2019 9:26:37 AM



#84
1,2,4-Trimethylbenzene
Concen: 46.278 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302499		
120	44.2	21.3	63.9	





#85

sec-Butylbenzene

Concen: 45.674 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 334608

Ion Ratio Lower Upper

105 100

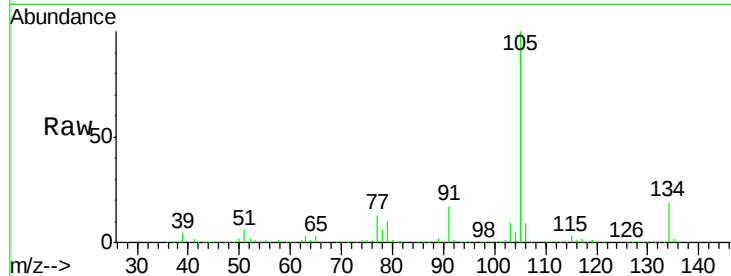
134 19.8 9.9 29.7

Manual Integrations

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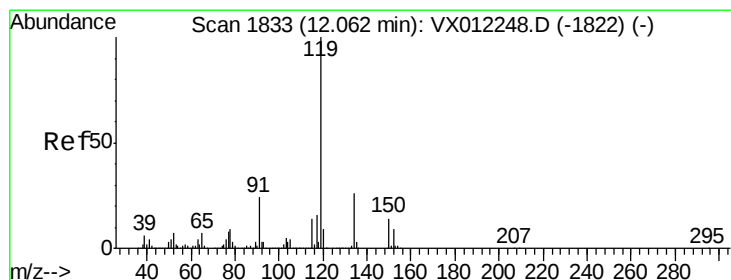
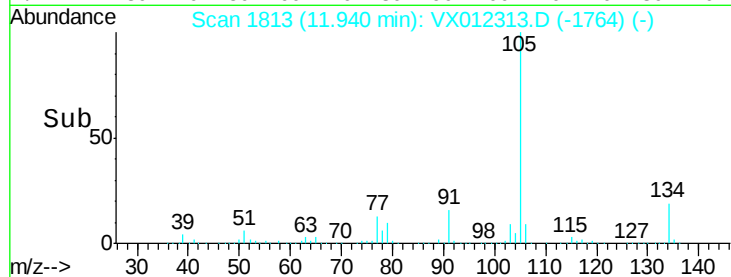
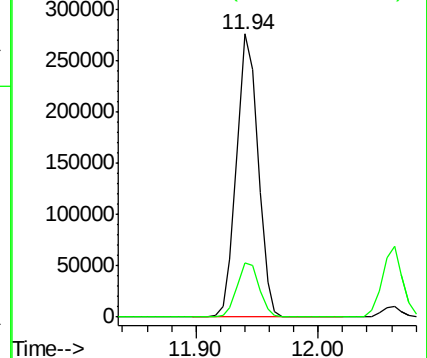
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.133 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012313.D

Acq: 11 Sep 2019 20:17

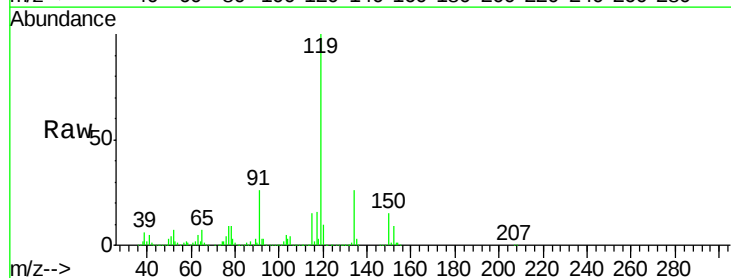
Tgt Ion:119 Resp: 312273

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

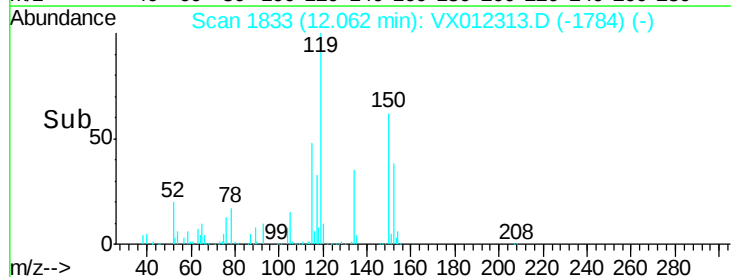
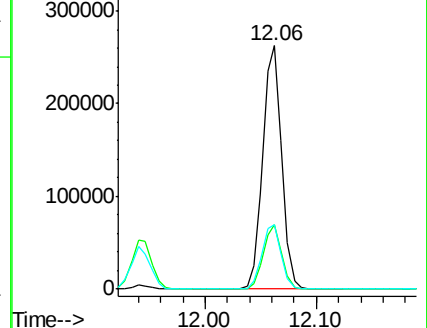
91 26.8 13.1 39.1

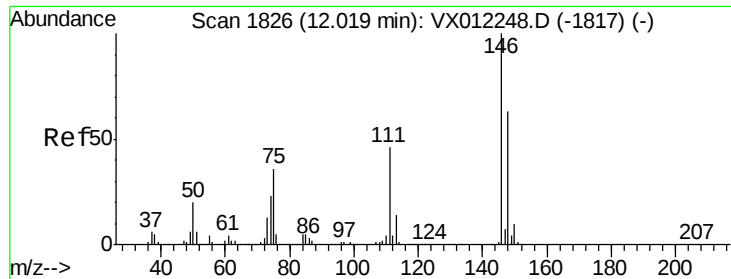


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





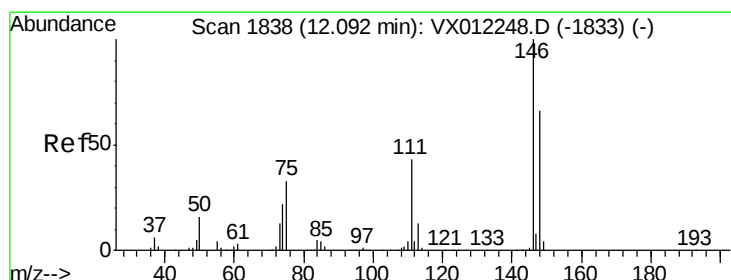
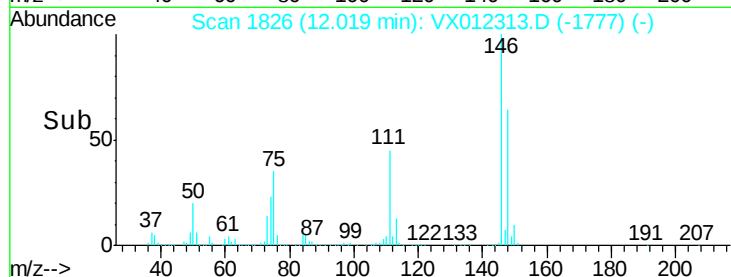
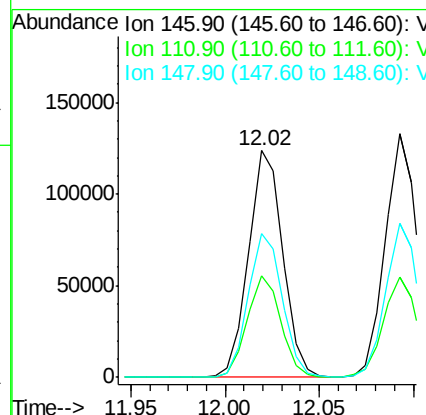
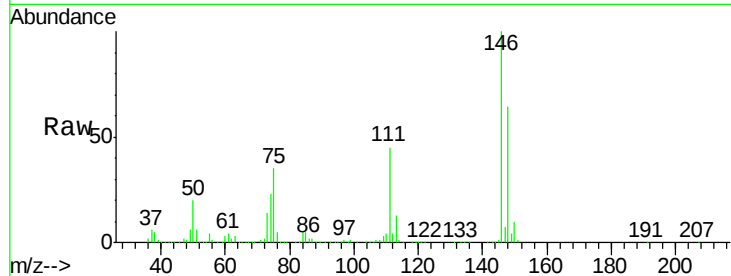
#87
 1,3-Dichlorobenzene
 Concen: 47.502 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.3	66.8
148	63.2	31.5	94.5

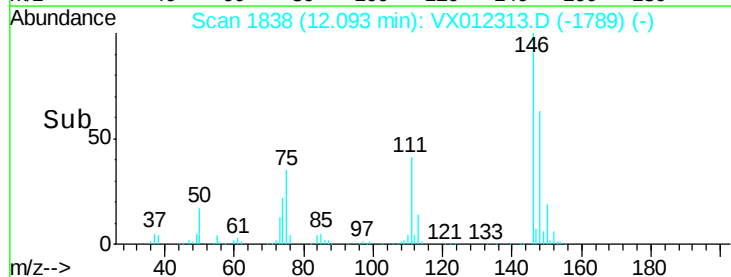
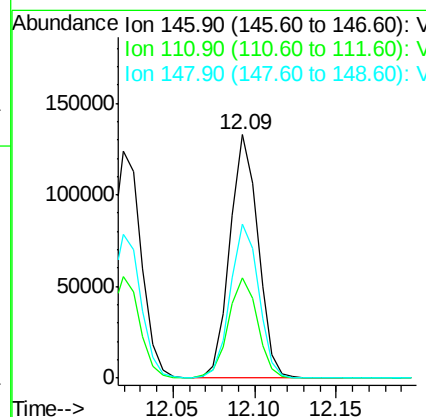
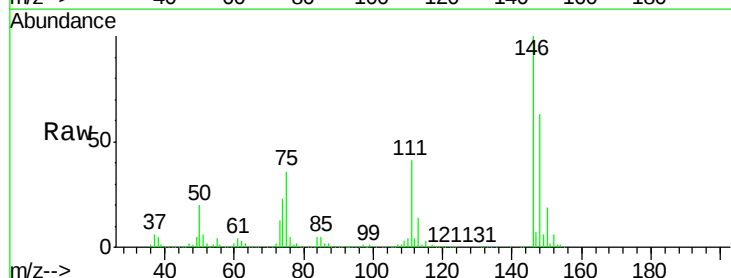
Manual Integrations
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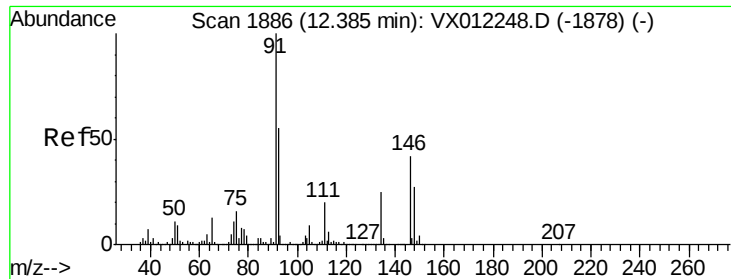
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#88
 1,4-Dichlorobenzene
 Concen: 47.877 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	64.8
148	63.7	32.4	97.2





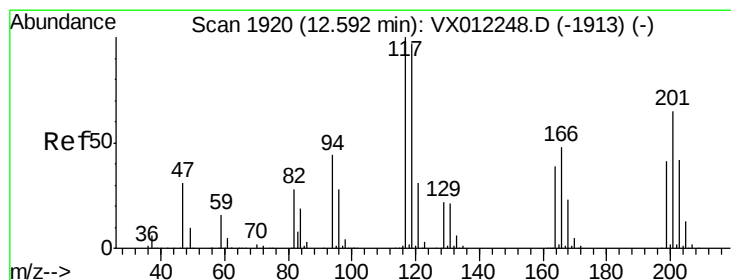
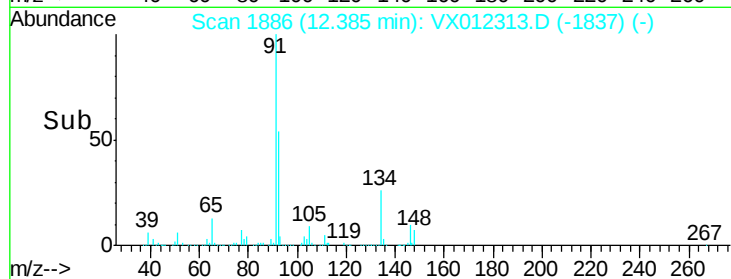
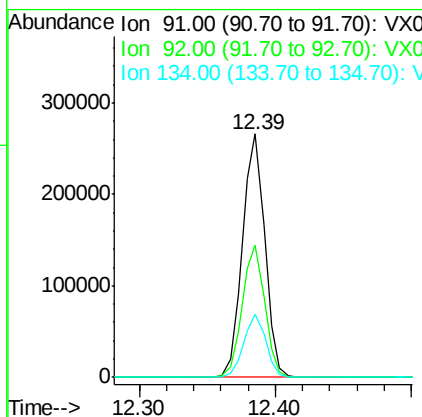
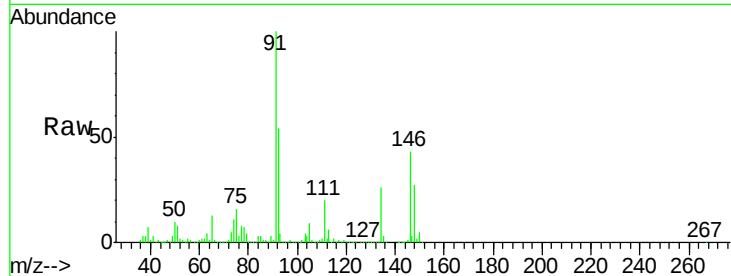
#89
n-Butylbenzene
Concen: 46.022 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.6	12.5	37.5

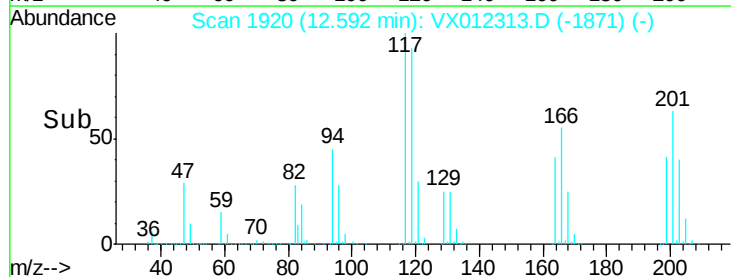
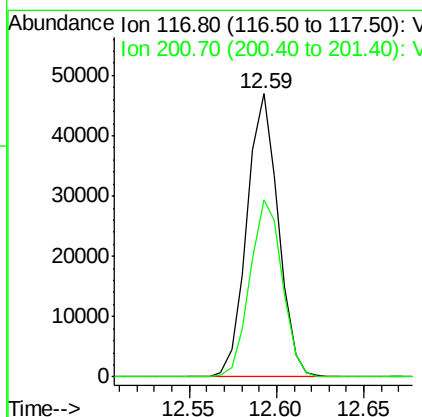
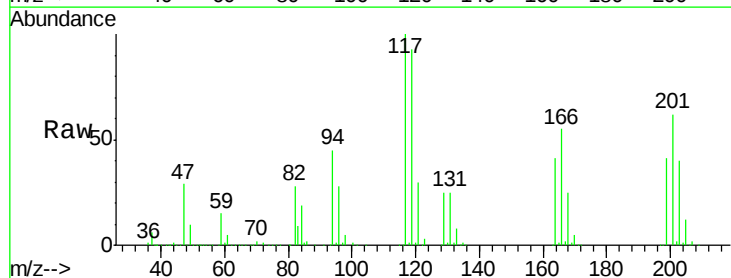
Manual Integrations
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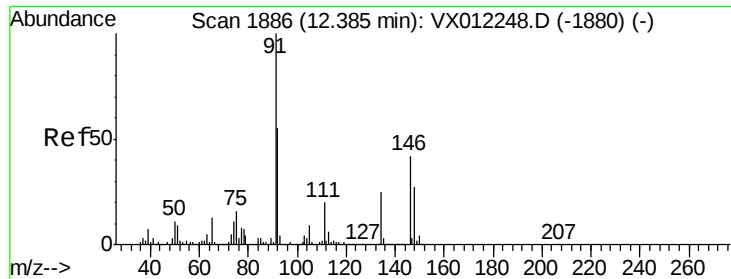
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#90
Hexachloroethane
Concen: 46.943 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.2	32.2	96.6





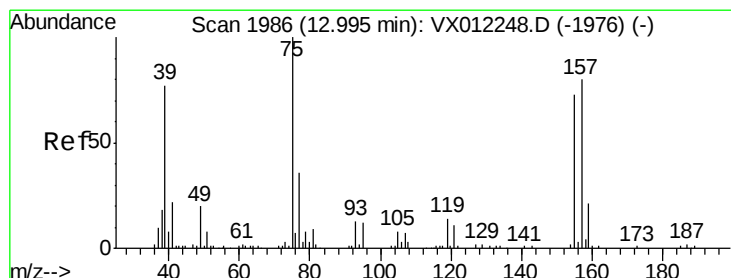
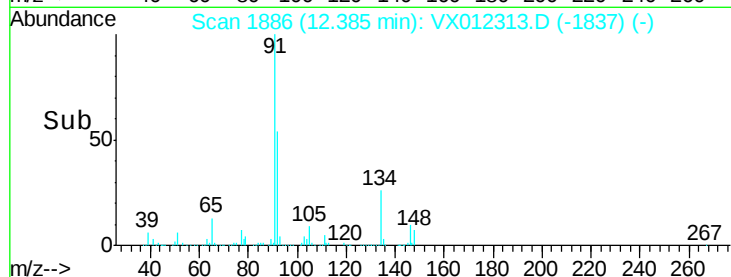
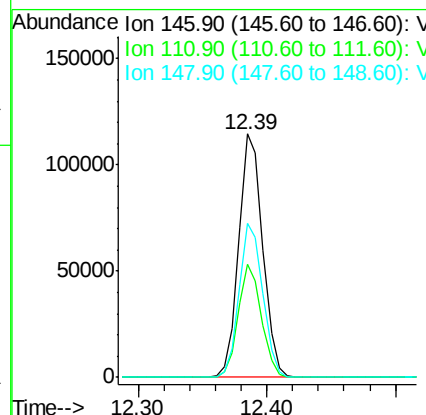
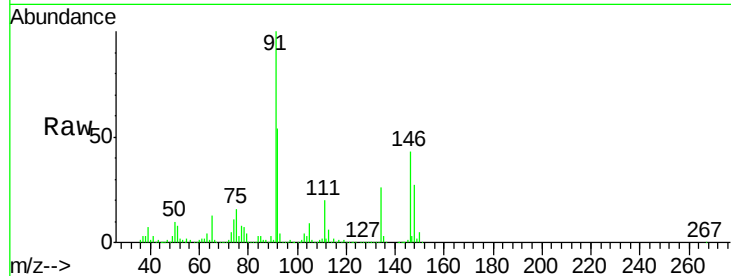
#91
 1,2-Dichlorobenzene
 Concen: 48.685 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	23.2	69.6
148	62.7	32.4	97.0

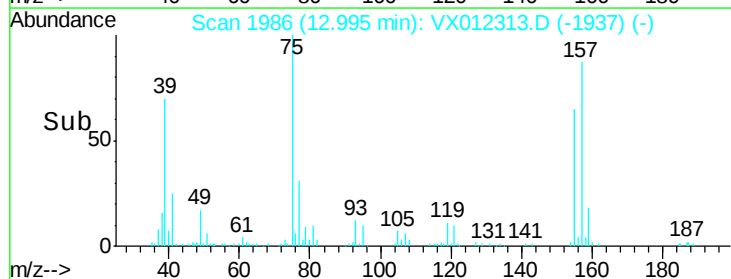
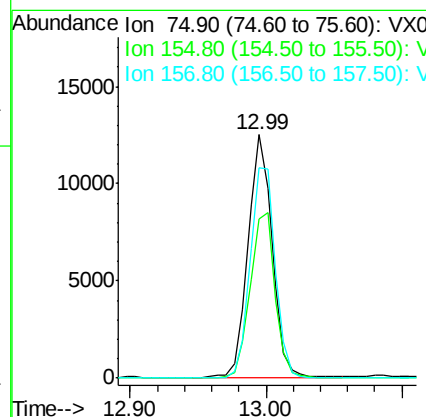
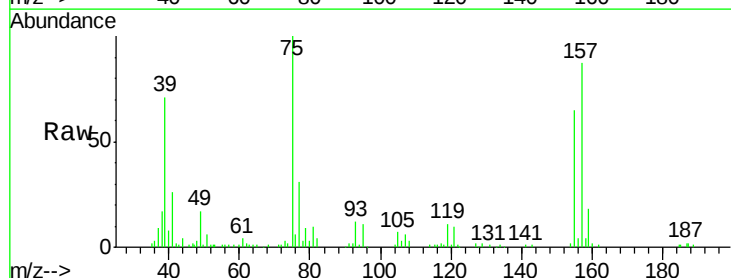
Manual Integrations
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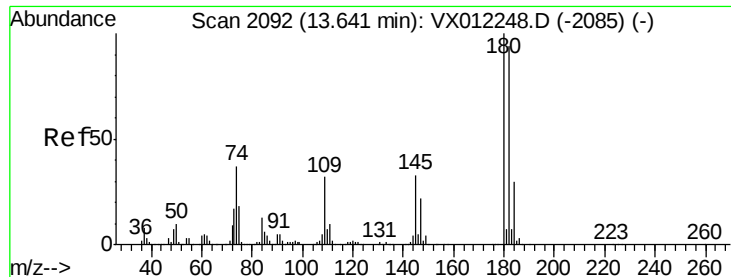
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.816 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.7	35.3	105.7
157	89.5	43.2	129.6





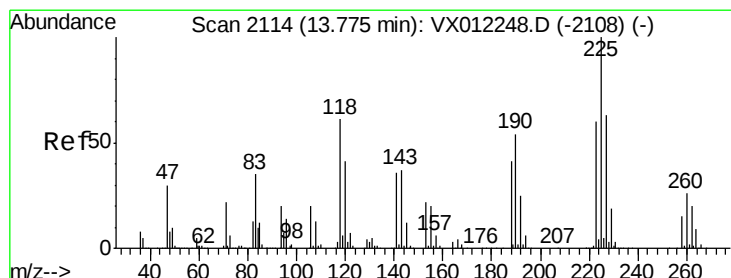
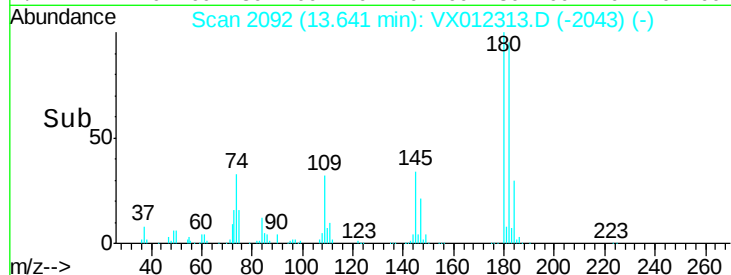
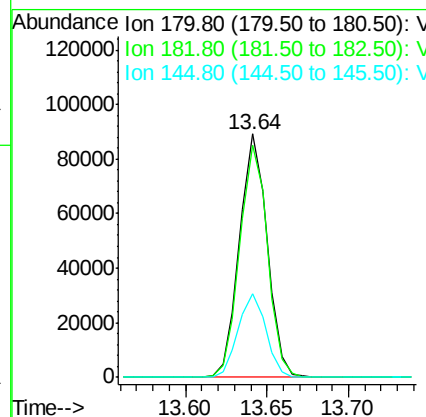
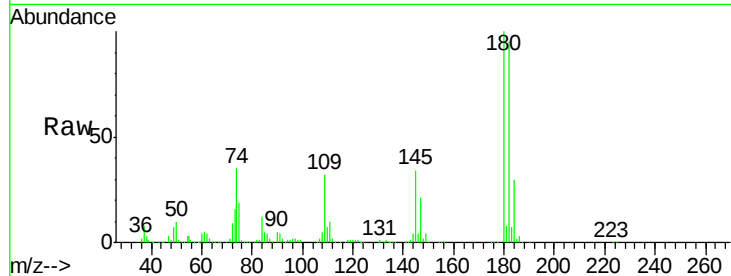
#93
 1,2,4-Trichlorobenzene
 Concen: 50.148 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105644		
182	95.6	46.9	140.8	
145	34.5	17.1	51.2	

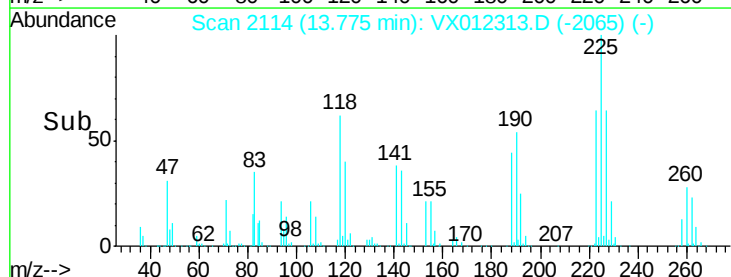
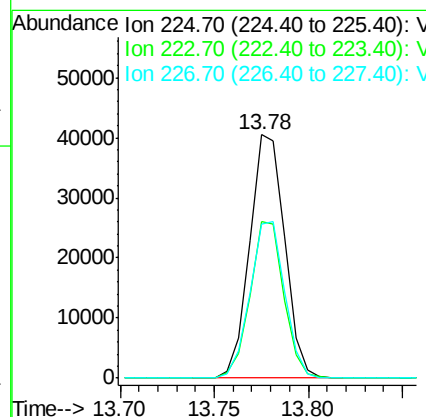
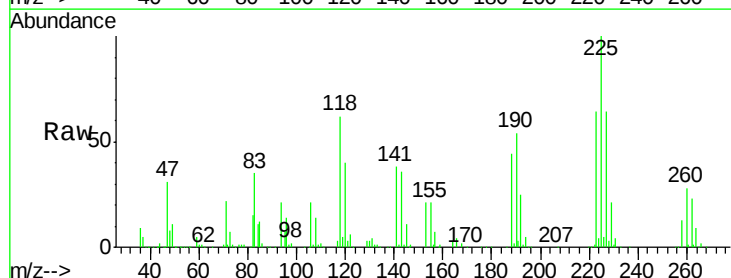
Manual Integrations
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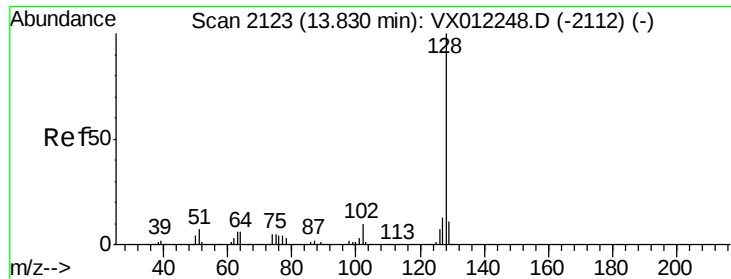
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 9/12/2019 9:26:37 AM



#94
 Hexachlorobutadiene
 Concen: 49.807 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX012313.D
 Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52198		
223	61.7	32.1	96.5	
227	63.8	32.5	97.5	





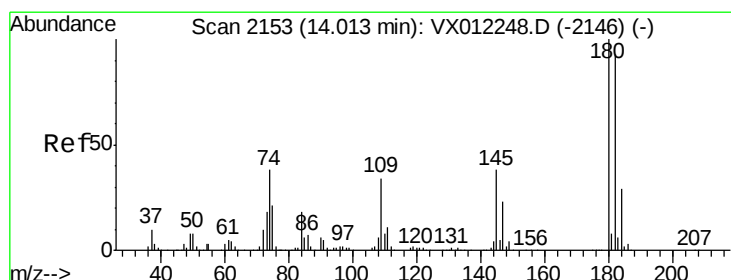
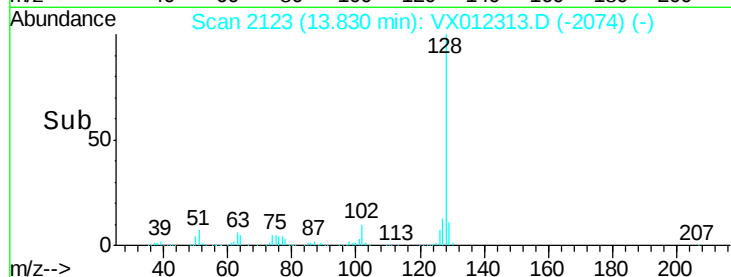
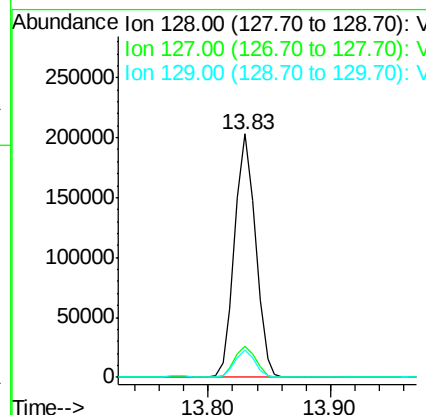
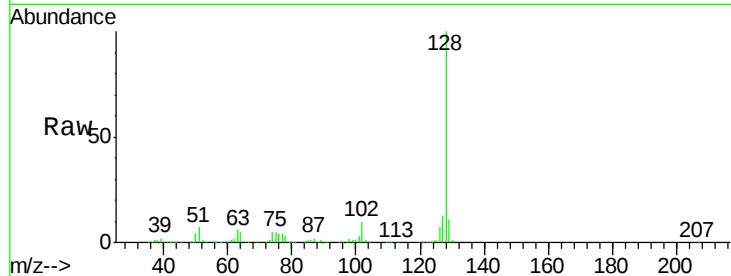
#95
Naphthalene
Concen: 53.277 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	240858		
127	13.1		10.2	15.2
129	10.8		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.872 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012313.D
Acq: 11 Sep 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96687		
182	95.1		47.0	141.0
145	36.5		18.6	55.8

