

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100819\
 Data File : VX012881.D
 Acq On : 08 Oct 2019 10:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:37:19 AM

Quant Time: Oct 09 02:17:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	169025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278811	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	123351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	102307	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	
35) Dibromofluoromethane	5.48	113	83052	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	8.71	98	306718	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	11.13	95	125541	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	73306	38.308	ug/l 100
3) Chloromethane	1.32	50	81474	37.705	ug/l 97
4) Vinyl Chloride	1.40	62	88469	41.037	ug/l 100
5) Bromomethane	1.62	94	32548	38.095	ug/l 99
6) Chloroethane	1.70	64	57860	40.131	ug/l 99
7) Trichlorofluoromethane	1.91	101	131736	43.607	ug/l 97
8) Diethyl Ether	2.18	74	53784	43.629	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	89833	48.553	ug/l 99
10) Methyl Iodide	2.50	142	78531	44.669	ug/l 99
11) Tert butyl alcohol	3.04	59	124304	205.588	ug/l 99
12) 1,1-Dichloroethene	2.36	96	84203	46.497	ug/l 98
13) Acrolein	2.28	56	73828	221.445	ug/l 100
14) Allyl chloride	2.72	41	158814	44.698	ug/l 98
15) Acrylonitrile	3.13	53	275101	223.646	ug/l 100
16) Acetone	2.44	43	311430	242.836	ug/l 100
17) Carbon Disulfide	2.56	76	208031	40.903	ug/l 99
18) Methyl Acetate	2.76	43	137985	45.532	ug/l 99
19) Methyl tert-butyl Ether	3.19	73	322408	47.426	ug/l 98
20) Methylene Chloride	2.84	84	100200	45.603	ug/l 98
21) trans-1,2-Dichloroethene	3.15	96	91090	45.470	ug/l 99
22) Diisopropyl ether	3.84	45	314424	45.772	ug/l 98
23) Vinyl Acetate	3.80	43	1366943	227.662	ug/l 100
24) 1,1-Dichloroethane	3.68	63	172832	46.184	ug/l 99
25) 2-Butanone	4.65	43	407626	222.138	ug/l 100
26) 2,2-Dichloropropane	4.57	77	154161	46.553	ug/l 100
27) cis-1,2-Dichloroethene	4.58	96	108854	46.846	ug/l 99
28) Bromochloromethane	5.00	49	57967	43.668	ug/l 100
29) Tetrahydrofuran	5.11	42	238713	213.088	ug/l 99
30) Chloroform	5.20	83	177586	46.272	ug/l 100
31) Cyclohexane	5.56	56	152860	45.009	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	155838	46.058	ug/l 98
36) 1,1-Dichloropropene	5.79	75	130371	48.259	ug/l 100
37) Ethyl Acetate	4.82	43	143742	46.087	ug/l 99
38) Carbon Tetrachloride	5.77	117	130341	47.936	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	162950	49.907	ug/l	98
40) Benzene	6.13	78	389977	49.194	ug/l	98
41) Methacrylonitrile	5.03	41	82428	47.290	ug/l	98
42) 1,2-Dichloroethane	6.18	62	141978	47.580	ug/l	100
43) Isopropyl Acetate	6.43	43	240981	46.303	ug/l	99
44) Trichloroethene	7.20	130	102180	50.065	ug/l	93
45) 1,2-Dichloropropane	7.50	63	102321	50.421	ug/l	99
46) Dibromomethane	7.65	93	67595	48.992	ug/l	99
47) Bromodichloromethane	7.89	83	138947	50.640	ug/l	100
48) Methyl methacrylate	7.76	41	118758	47.639	ug/l	98
49) 1,4-Dioxane	7.73	88	50617	883.515	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	748142	232.849	ug/l	100
52) Toluene	8.78	92	250298	50.261	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	153967	50.668	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	169816	51.109	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	102778	51.922	ug/l	99
56) Ethyl methacrylate	9.17	69	169554	51.124	ug/l	100
57) 1,3-Dichloropropane	9.37	76	173688	50.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	394746	266.876	ug/l	100
59) 2-Hexanone	9.48	43	595127	242.483	ug/l	100
60) Dibromochloromethane	9.57	129	106877	53.287	ug/l	100
61) 1,2-Dibromoethane	9.67	107	106439	51.662	ug/l	98
64) Tetrachloroethene	9.33	164	93005	53.099	ug/l	97
65) Chlorobenzene	10.14	112	268517	51.339	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	100523	53.060	ug/l	100
67) Ethyl Benzene	10.25	91	493576	52.050	ug/l	100
68) m/p-Xylenes	10.35	106	367118	103.436	ug/l	99
69) o-Xylene	10.70	106	177894	51.722	ug/l	99
70) Styrene	10.71	104	314753	54.538	ug/l	99
71) Bromoform	10.85	173	74141	55.869	ug/l #	100
73) Isopropylbenzene	11.01	105	485553	48.298	ug/l	100
74) N-amyl acetate	10.89	43	218025	46.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	160308	48.430	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	153764m	48.729	ug/l	
77) Bromobenzene	11.25	156	111582	48.863	ug/l	97
78) n-propylbenzene	11.35	91	546169	48.509	ug/l	98
79) 2-Chlorotoluene	11.42	91	329215	46.767	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	401329	47.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51989	46.402	ug/l	100
82) 4-Chlorotoluene	11.51	91	380259	47.353	ug/l	100
83) tert-Butylbenzene	11.76	119	392809	48.136	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	403040	47.326	ug/l	100
85) sec-Butylbenzene	11.94	105	460258	48.524	ug/l	99
86) p-Isopropyltoluene	12.06	119	439554	51.402	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	207336	50.267	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	214716	51.714	ug/l	98
89) n-Butylbenzene	12.38	91	381778	50.881	ug/l	100
90) Hexachloroethane	12.59	117	74000	48.825	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	208266	50.656	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	38734	47.167	ug/l	94

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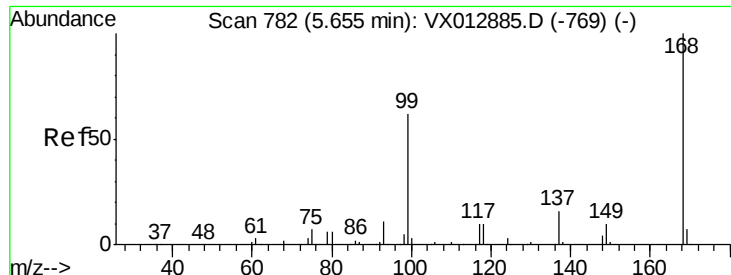
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	135322	53.592	ug/l	99
94) Hexachlorobutadiene	13.77	225	62656	57.166	ug/l	99
95) Naphthalene	13.83	128	458800	50.729	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	131620	52.147	ug/l	98

(#) = 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. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 169025

Ion Ratio Lower Upper

168 100

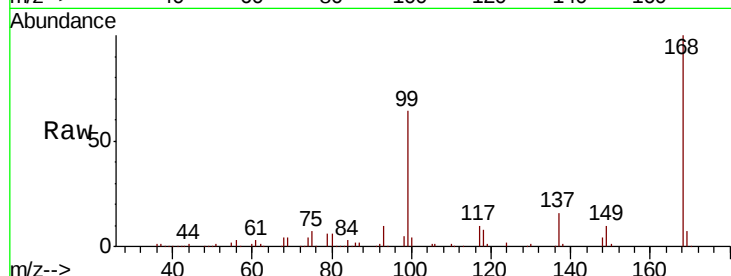
99 64.0 49.4 74.0

Manual Integrations

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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

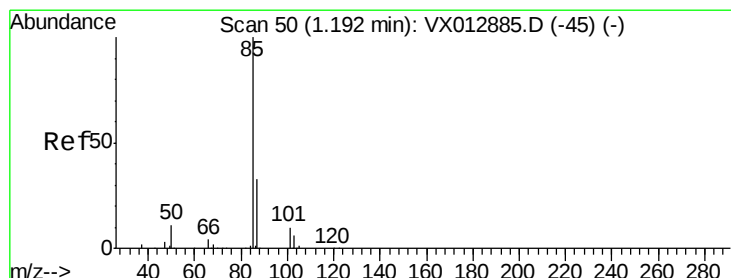
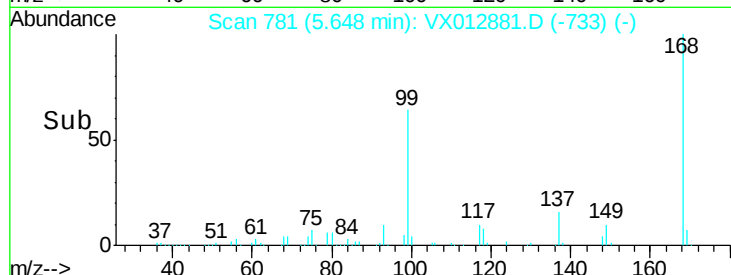
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 38.308 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012881.D

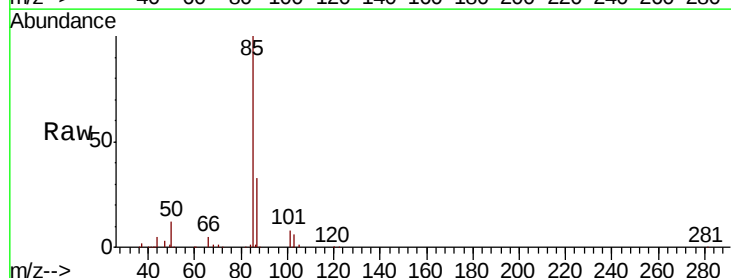
Acq: 08 Oct 2019 10:31

Tgt Ion: 85 Resp: 73306

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

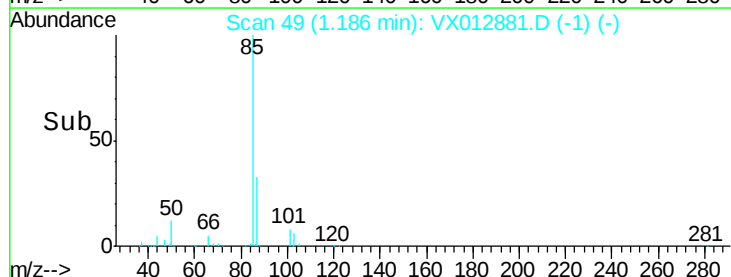
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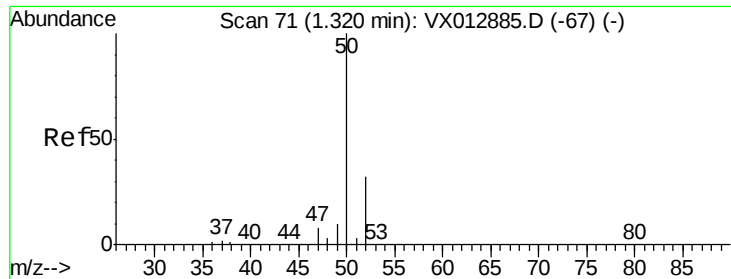
40000

20000

0

Time-->





#3

Chloromethane

Concen: 37.705 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 81474

Ion Ratio Lower Upper

50 100

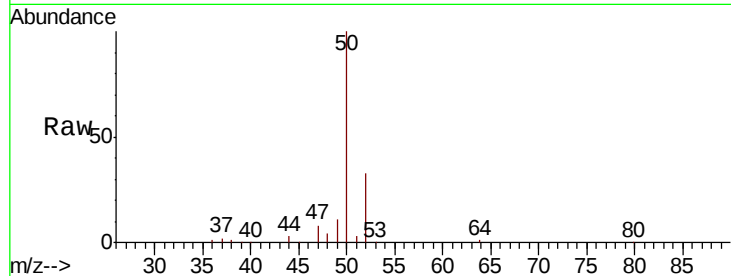
52 33.1 25.2 37.8

Manual Integrations

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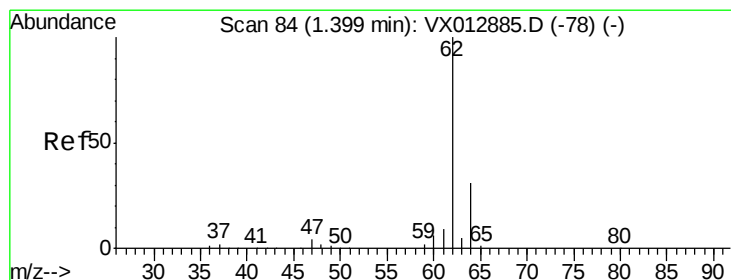
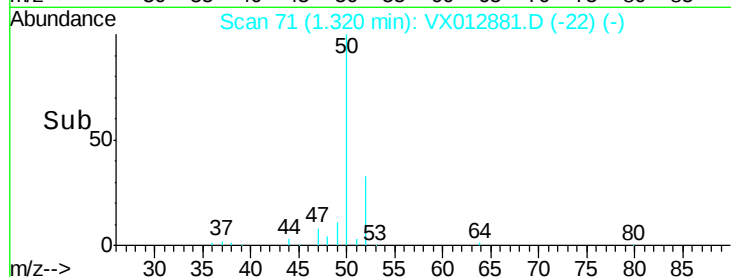
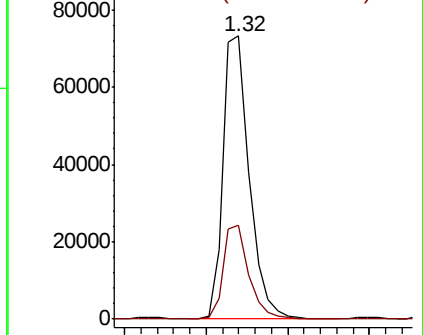
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 41.037 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012881.D

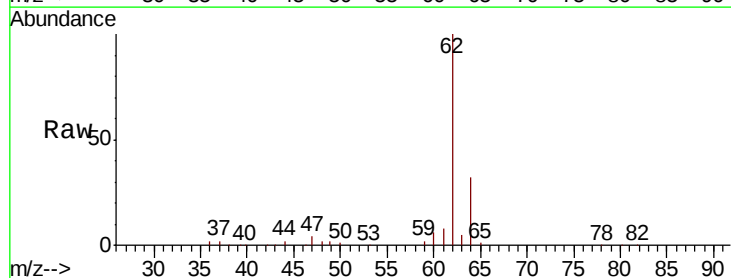
Acq: 08 Oct 2019 10:31

Tgt Ion: 62 Resp: 88469

Ion Ratio Lower Upper

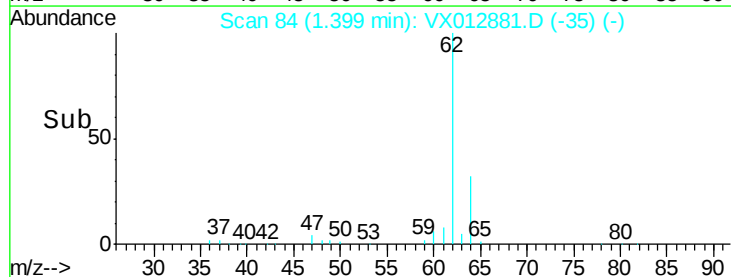
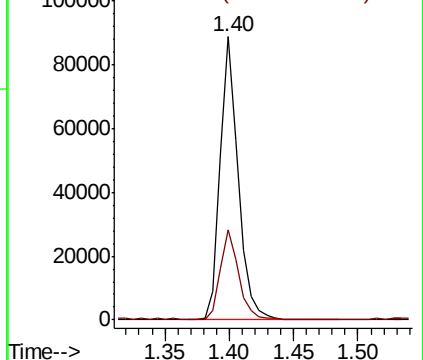
62 100

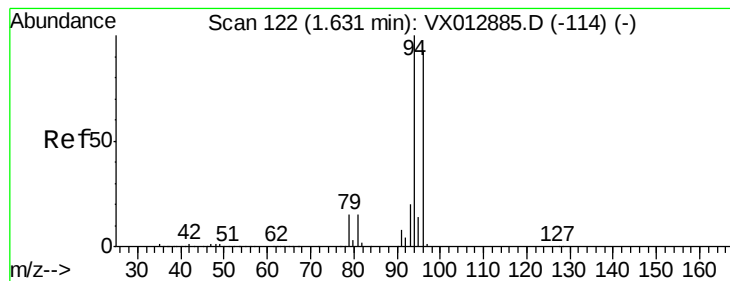
64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 38.095 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 32548

Ion Ratio Lower Upper

94 100

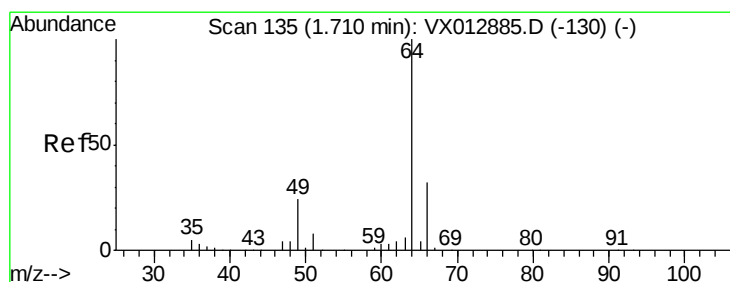
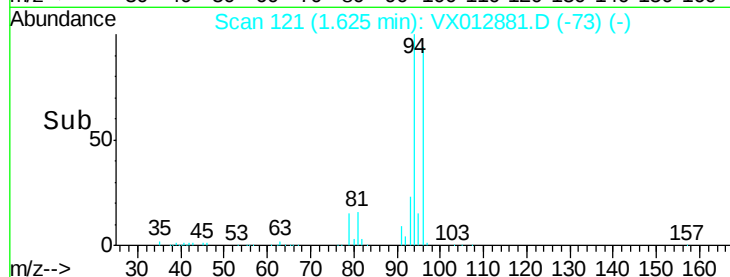
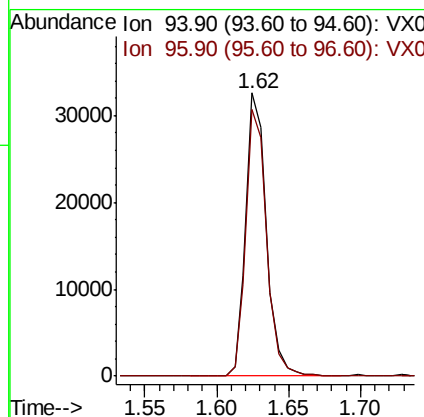
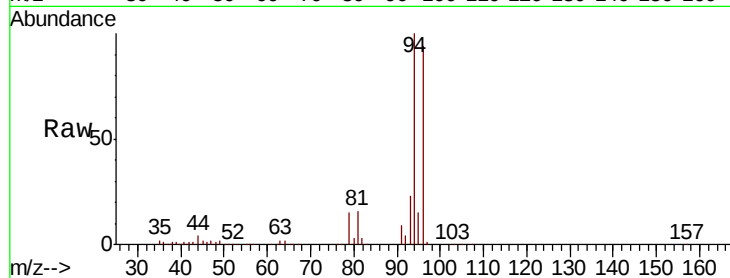
96 94.2 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 40.131 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012881.D

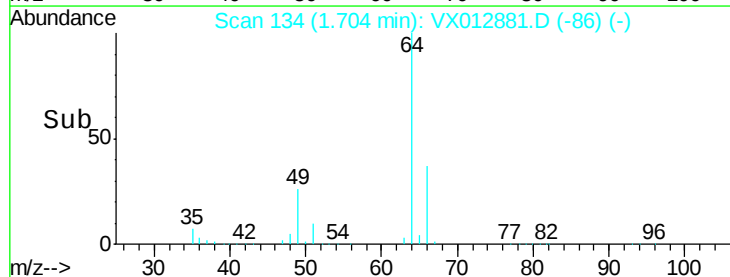
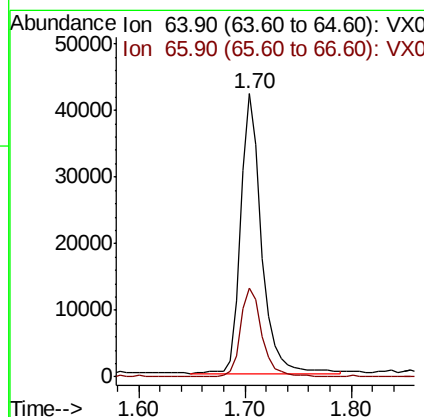
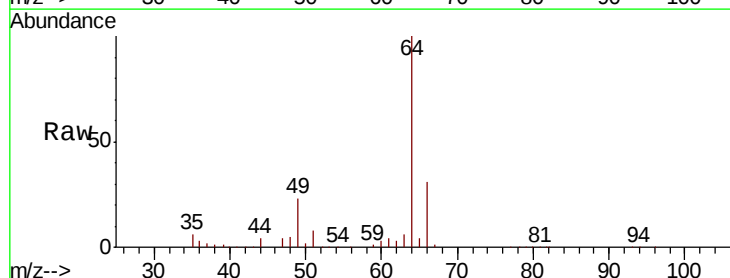
Acq: 08 Oct 2019 10:31

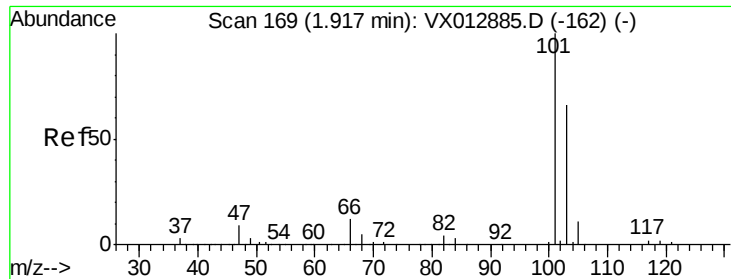
Tgt Ion: 64 Resp: 57860

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4





#7

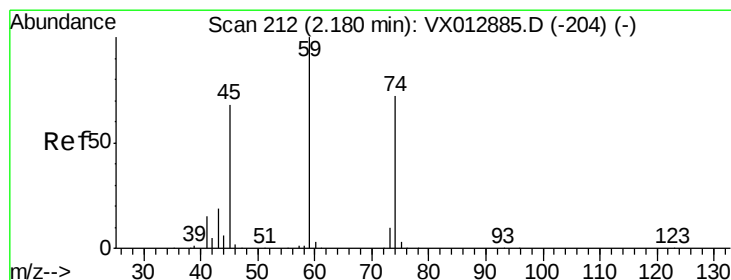
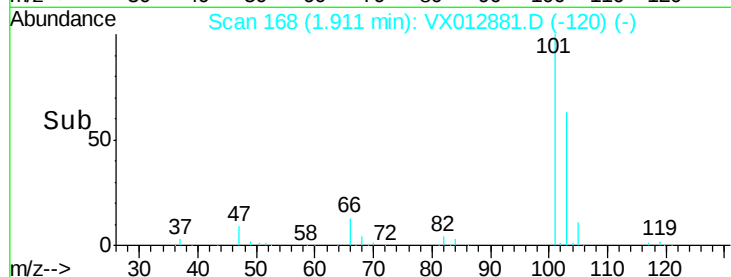
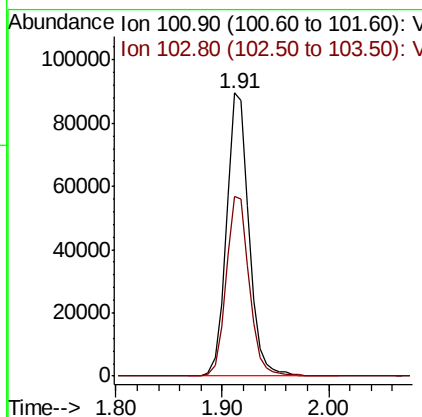
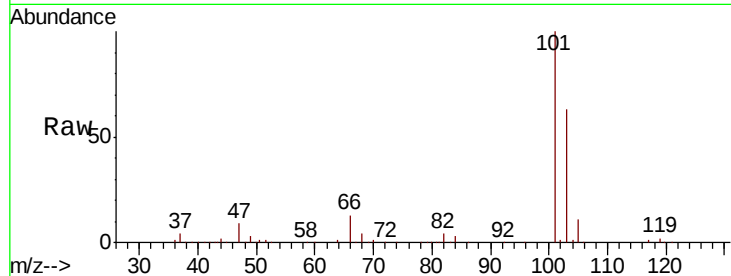
Trichlorofluoromethane
Concen: 43.607 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 131736
Ion Ratio Lower Upper
101 100
103 63.4 52.5 78.7

Manual Integrations
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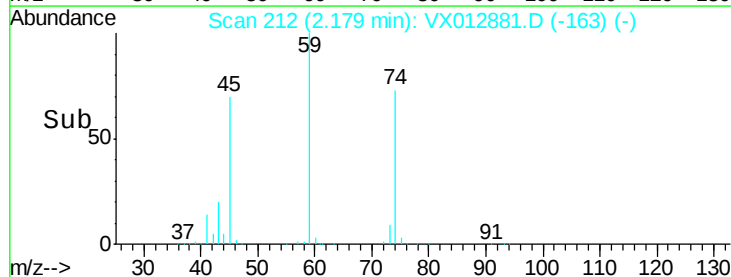
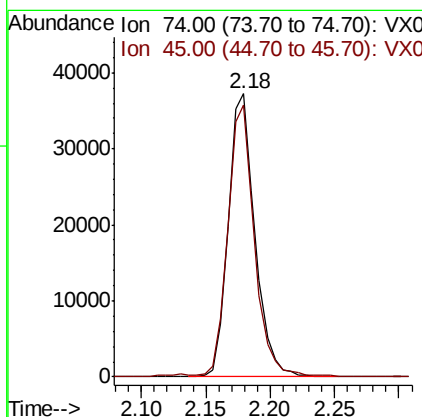
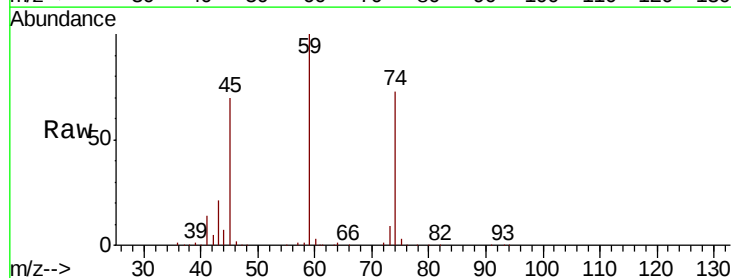
MMDadoda
10/9/2019 10:37:19 AM

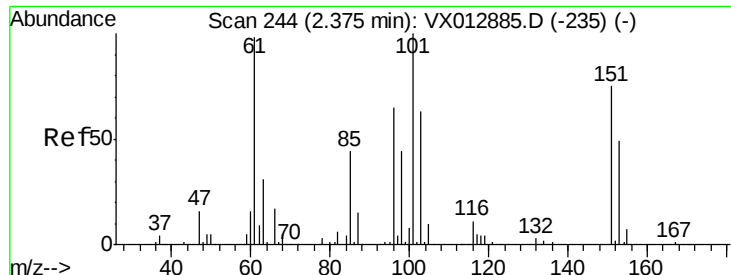


#8

Diethyl Ether
Concen: 43.629 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 74 Resp: 53784
Ion Ratio Lower Upper
74 100
45 95.7 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.553 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

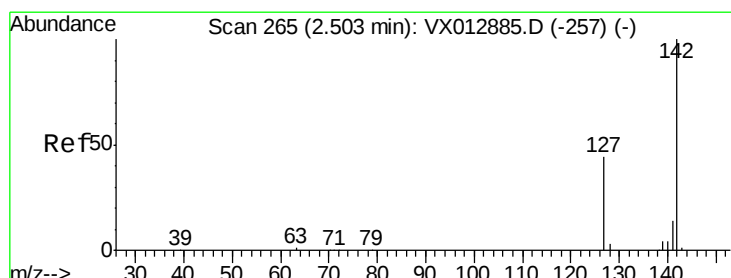
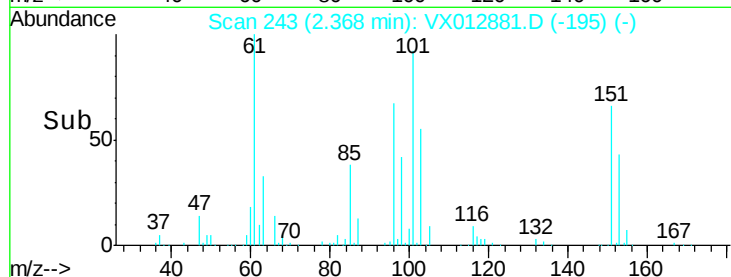
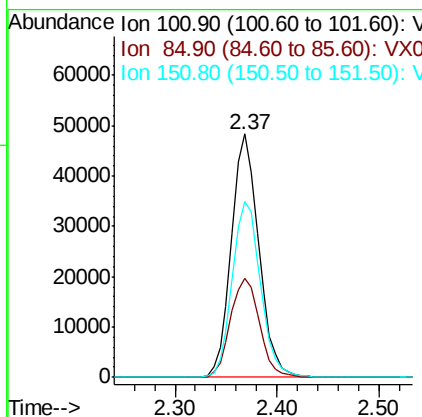
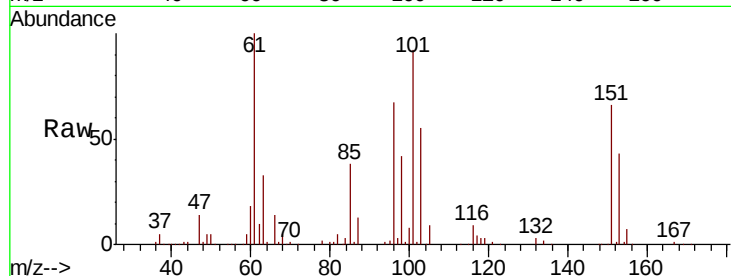
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	89833
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.2	52.8
151	74.3	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 44.669 ug/l

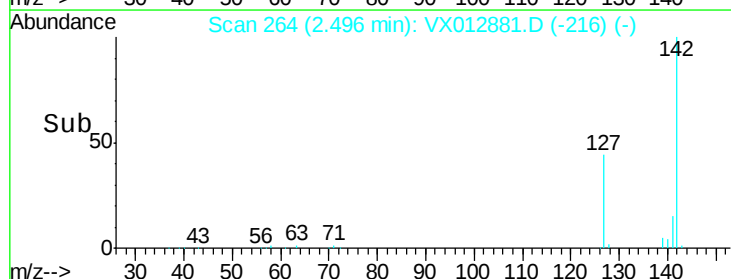
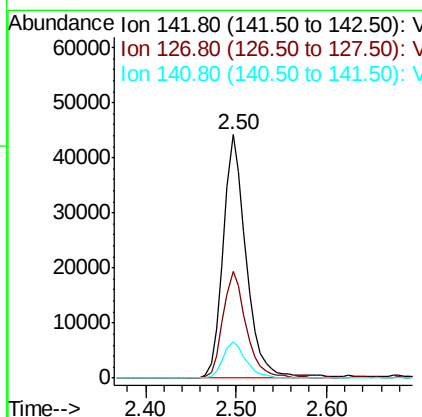
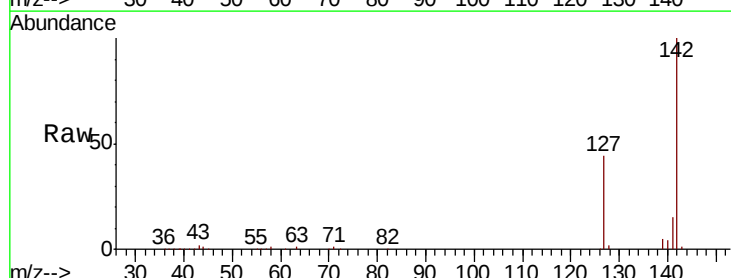
RT: 2.50 min Scan# 264

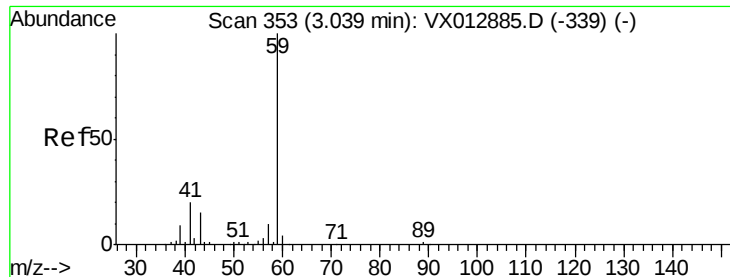
Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion:	142	Resp:	78531
Ion Ratio	Lower	Upper	
142	100		
127	44.1	34.9	52.3
141	14.9	11.6	17.4





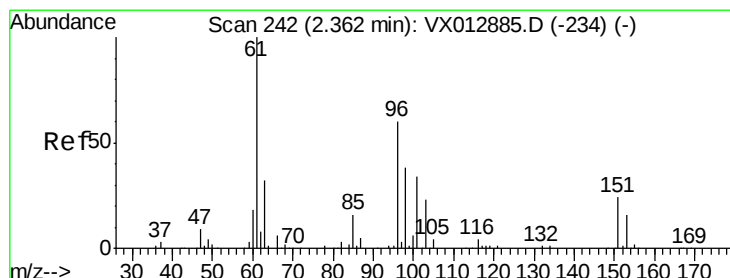
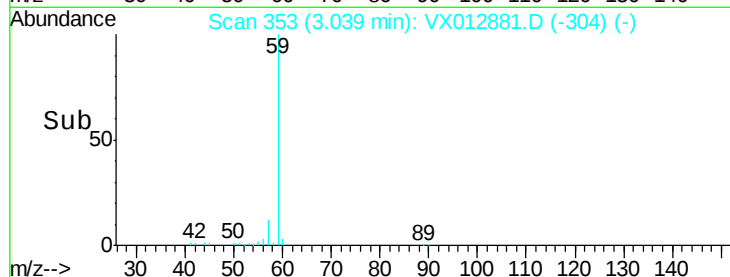
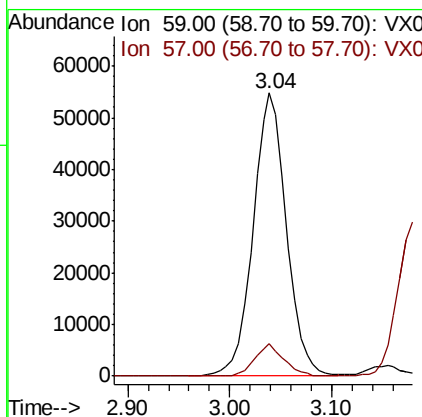
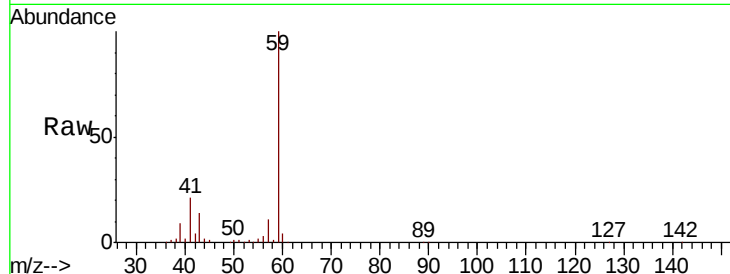
#11
Tert butyl alcohol
Concen: 205.588 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	124304
Ion Ratio	100	Lower	Upper
57	10.1	8.3	12.5

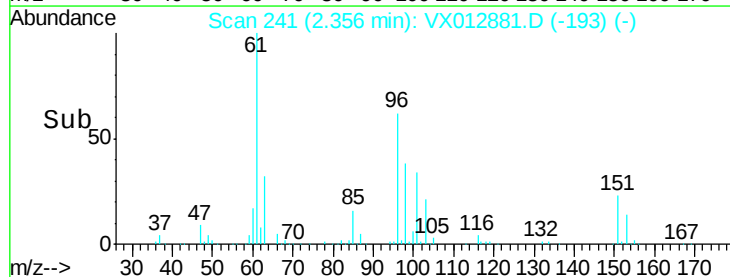
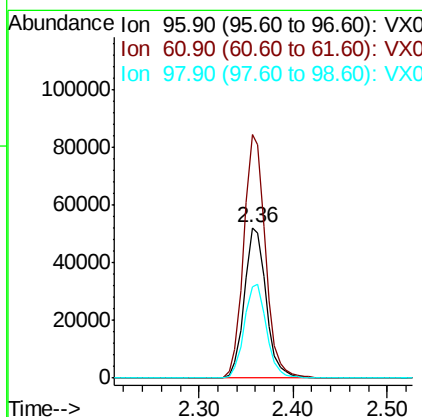
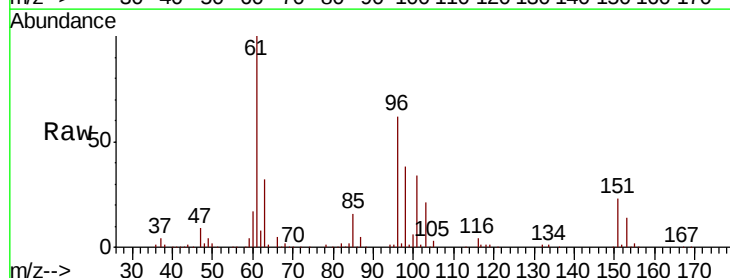
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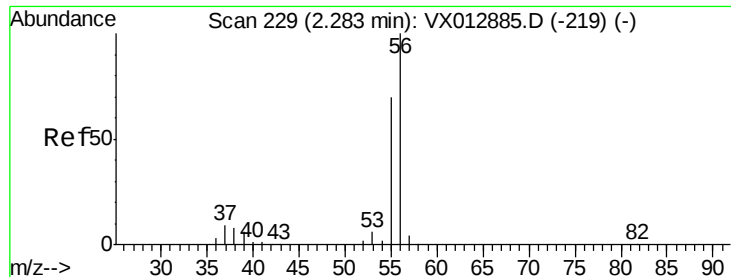
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#12
1,1-Dichloroethene
Concen: 46.497 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	96	Resp	84203
Ion Ratio	100	Lower	Upper
61	162.1	132.2	198.4
98	61.2	50.5	75.7





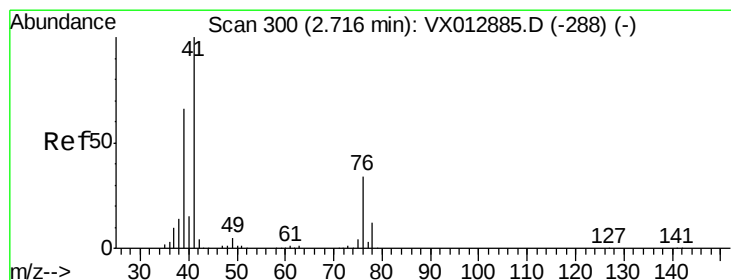
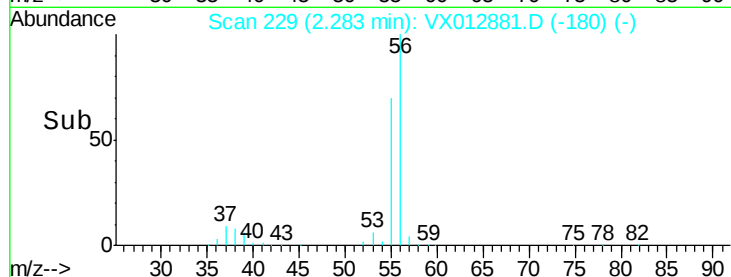
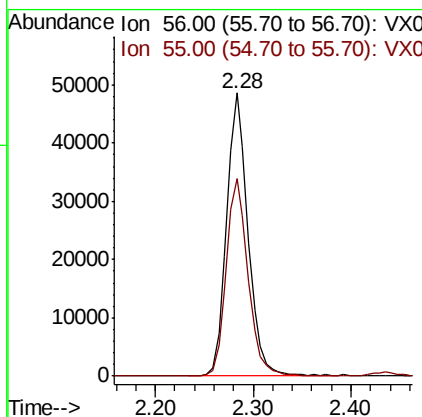
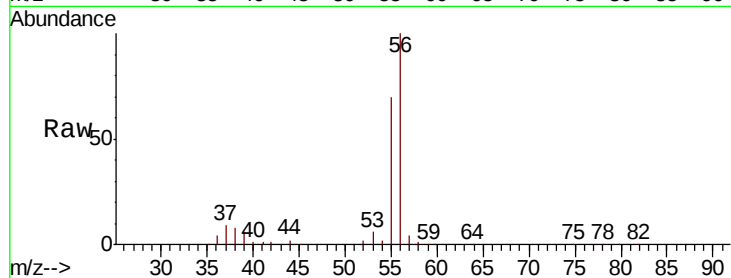
#13
Acrolein
Concen: 221.445 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.8	56.6	85.0	

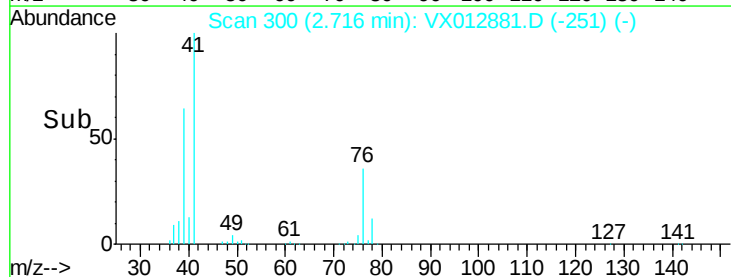
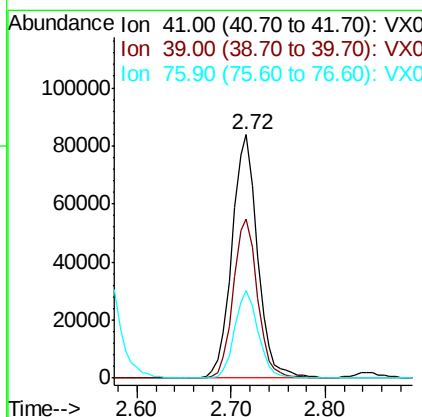
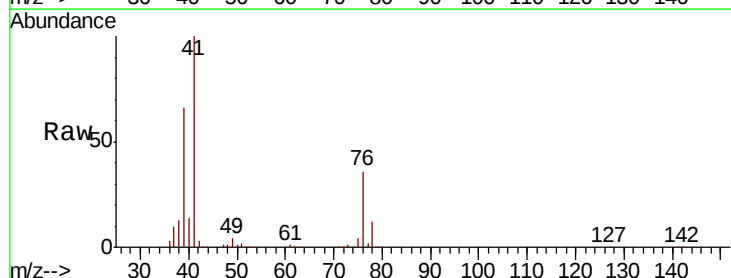
Manual Integrations
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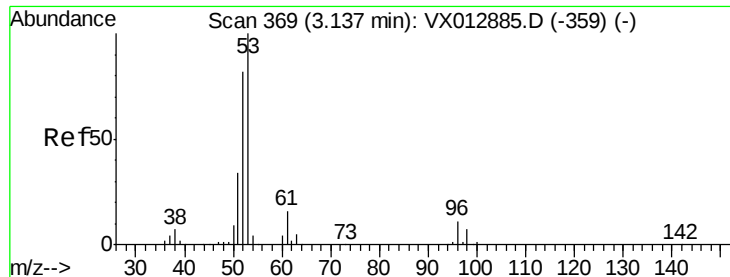
MMDadoda
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#14
Allyl chloride
Concen: 44.698 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.2	51.0	76.6	
76	33.0	26.2	39.4	





#15

Acrylonitrile

Concen: 223.646 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

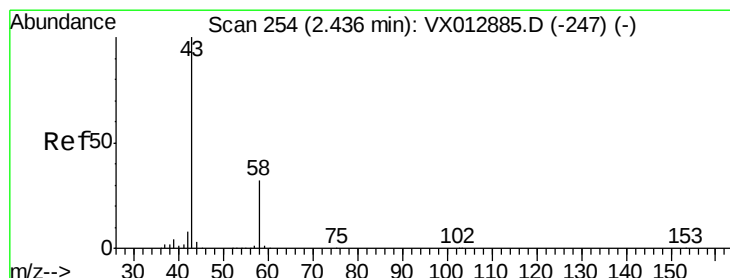
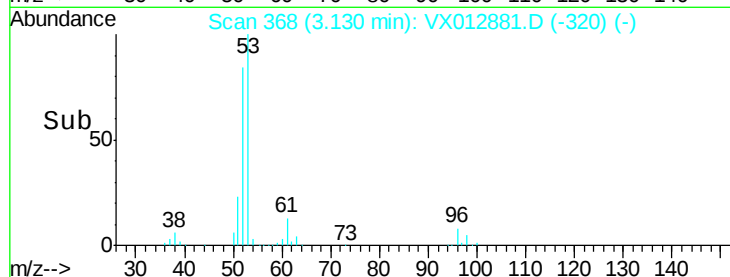
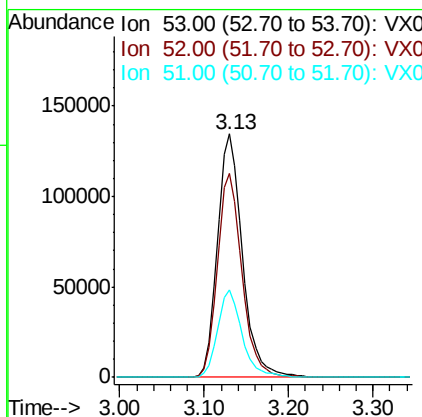
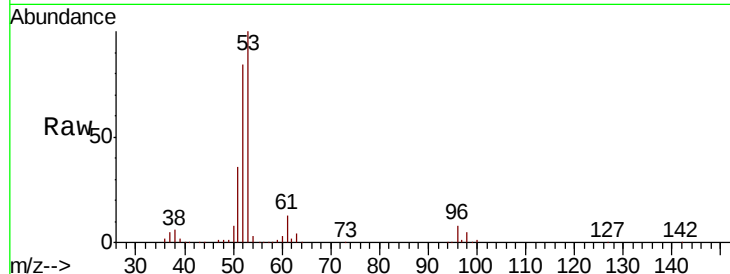
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	275101
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.2
51	35.5	28.2	42.4

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#16

Acetone

Concen: 242.836 ug/l

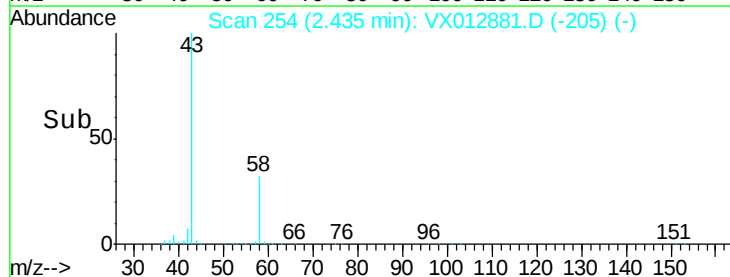
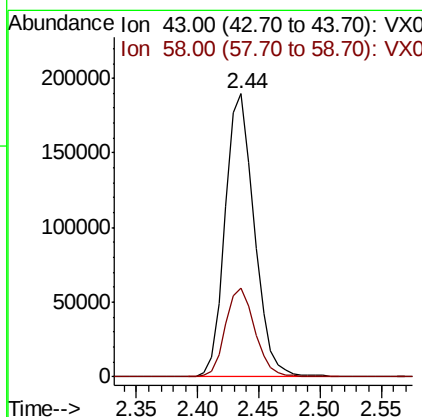
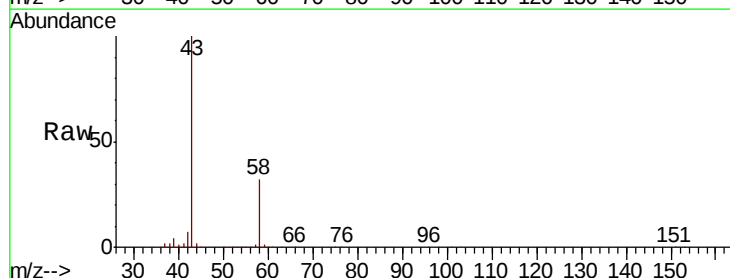
RT: 2.44 min Scan# 254

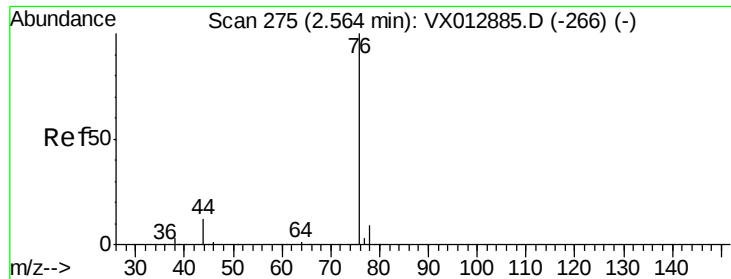
Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion:	43	Resp:	311430
Ion Ratio	Lower	Upper	
43	100		
58	31.6	25.4	38.2





#17

Carbon Disulfide

Concen: 40.903 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 208031

Ion Ratio Lower Upper

76 100

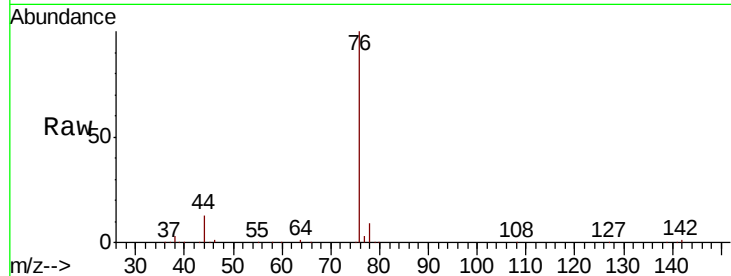
78 8.5 7.1 10.7

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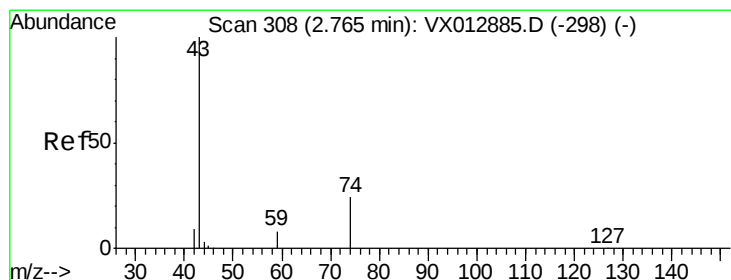
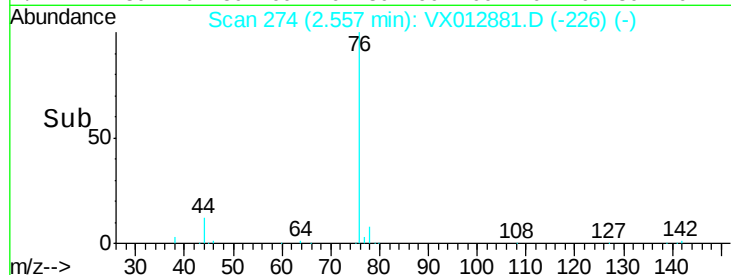
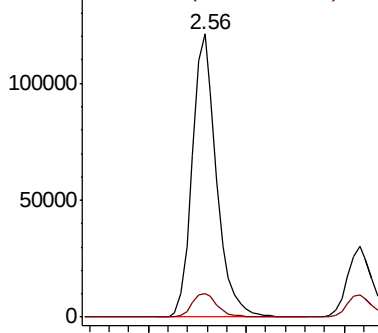
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 45.532 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012881.D

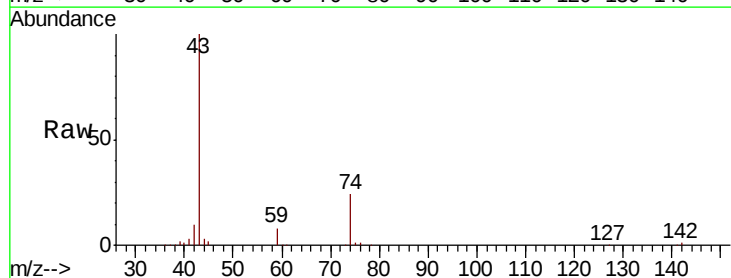
Acq: 08 Oct 2019 10:31

Tgt Ion: 43 Resp: 137985

Ion Ratio Lower Upper

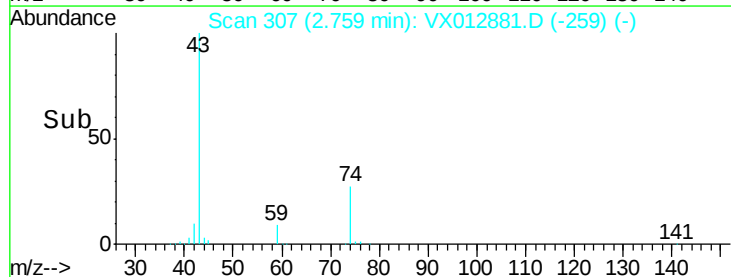
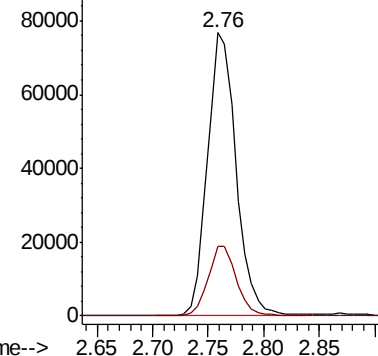
43 100

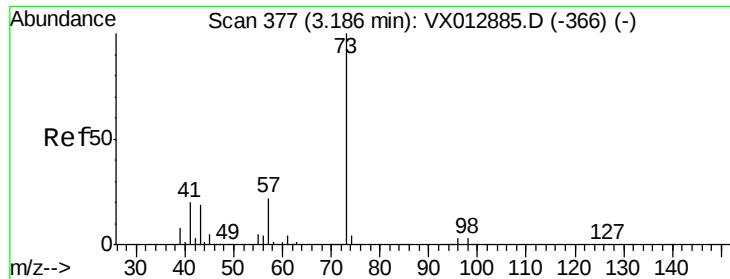
74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





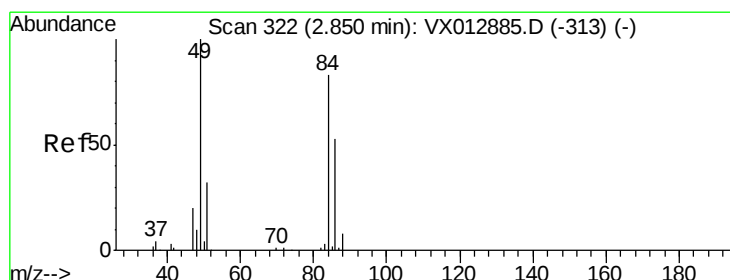
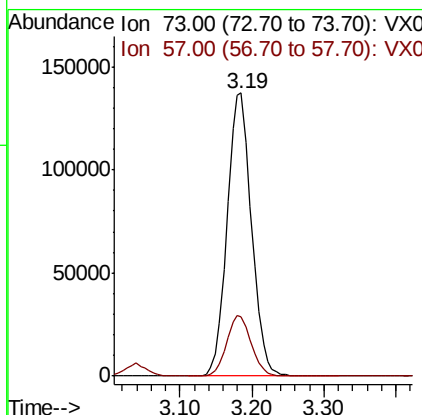
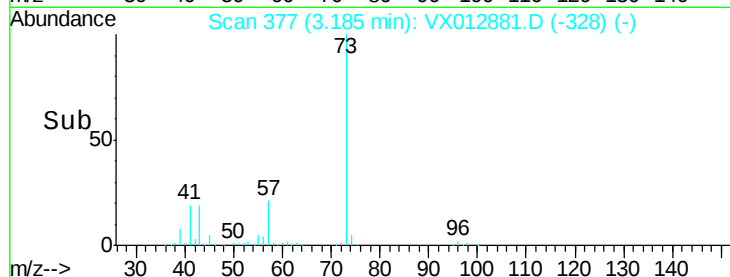
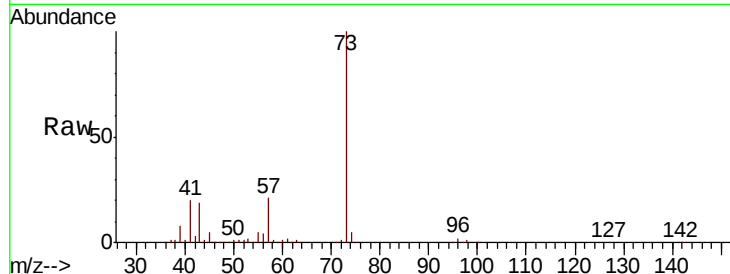
#19
Methyl tert-butyl Ether
Concen: 47.426 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.8	26.6

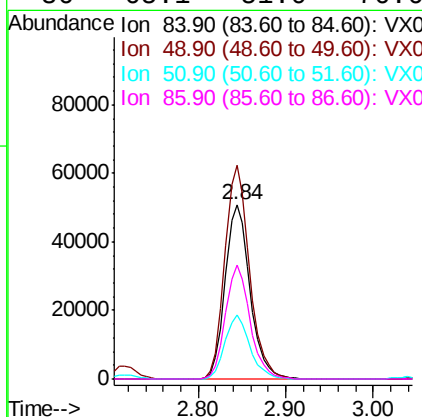
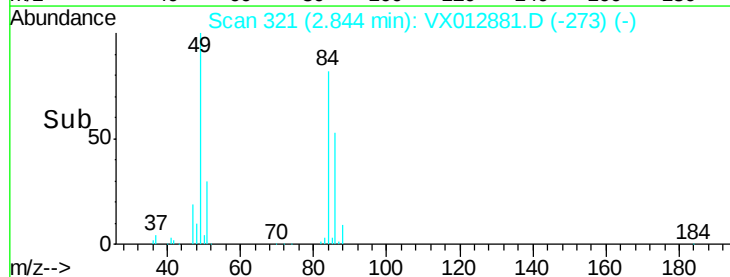
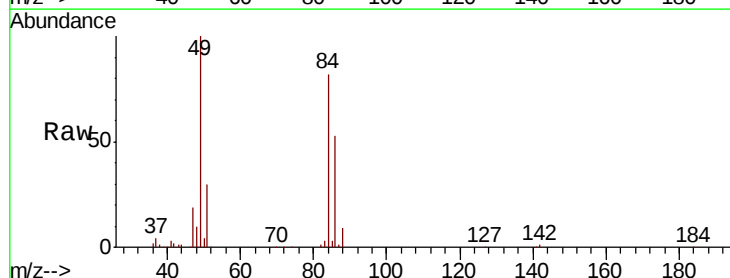
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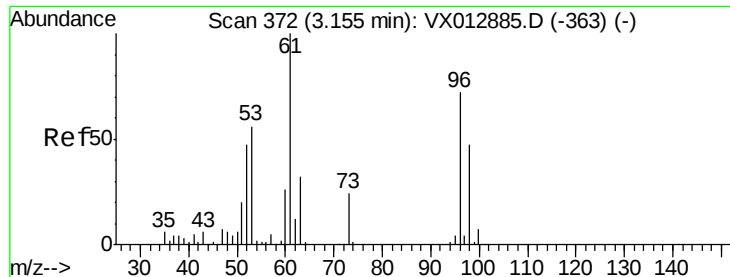
MMDadoda
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#20
Methylene Chloride
Concen: 45.603 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	96.6	144.8
51	36.7	30.7	46.1
86	65.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 45.470 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 91090

Ion Ratio Lower Upper

96 100

61 139.5 110.4 165.6

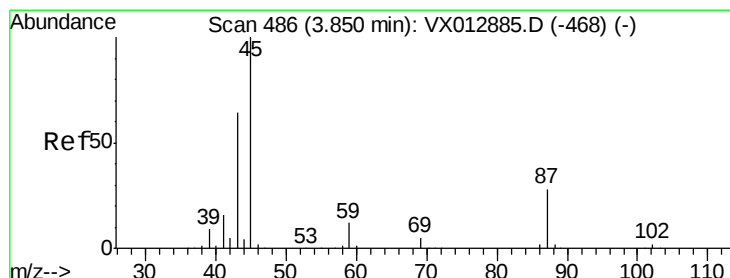
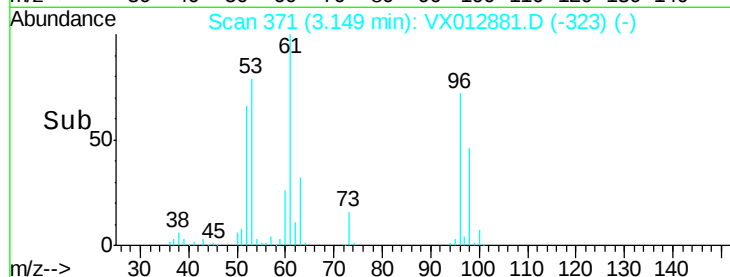
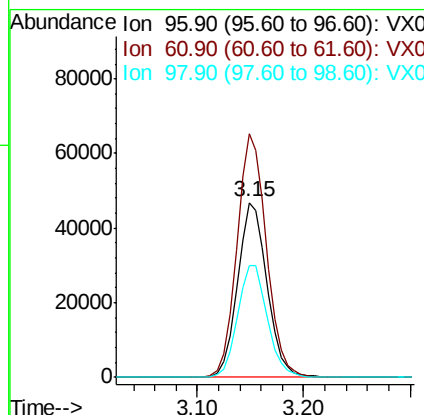
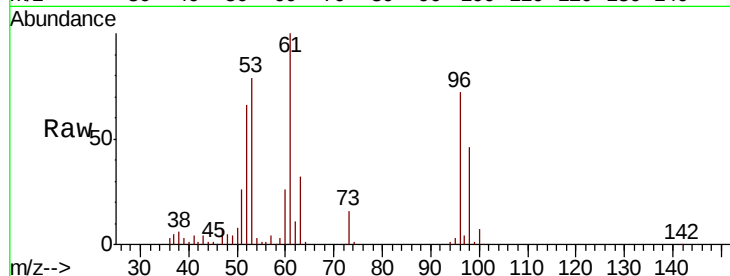
98 64.4 51.5 77.3

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#22

Diisopropyl ether

Concen: 45.772 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion: 45 Resp: 314424

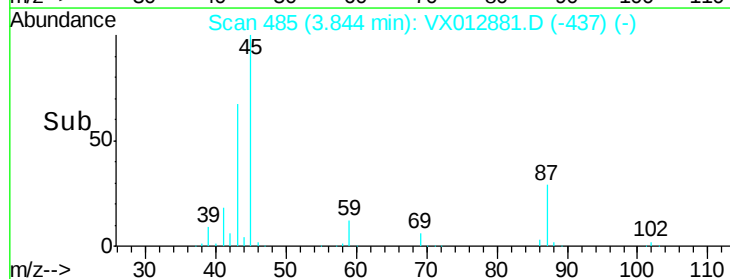
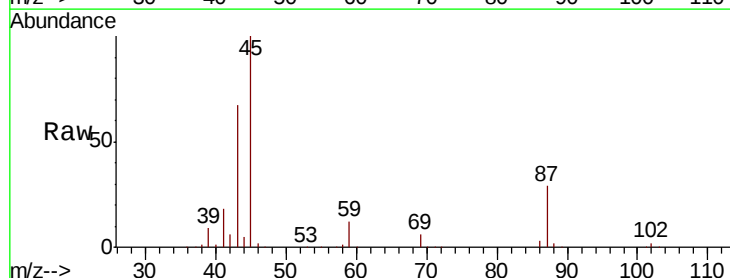
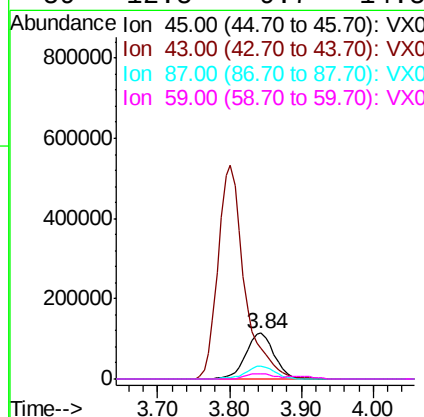
Ion Ratio Lower Upper

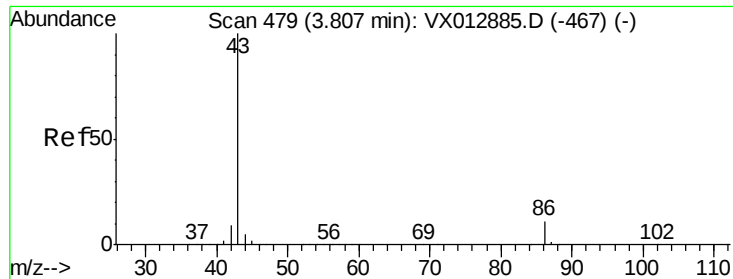
45 100

43 66.7 51.4 77.0

87 28.8 22.5 33.7

59 12.5 9.7 14.5





#23

Vinyl Acetate

Concen: 227.662 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1366943

Ion Ratio Lower Upper

43 100

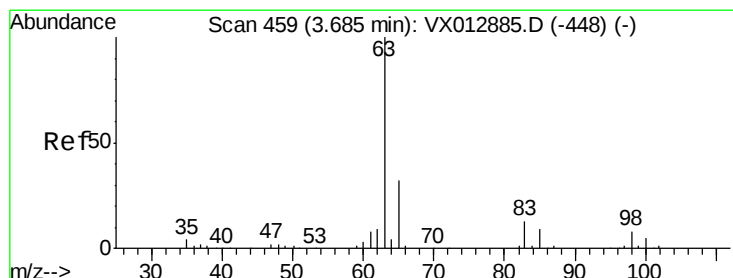
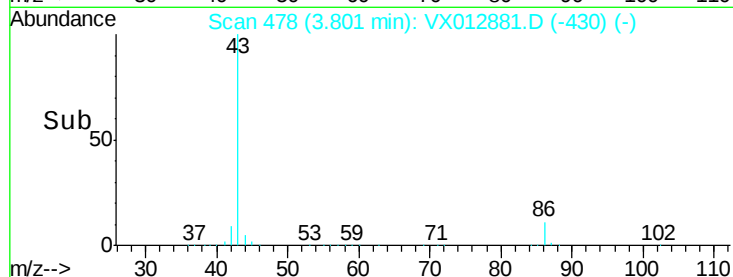
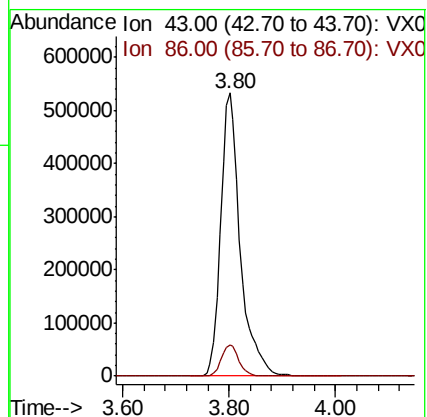
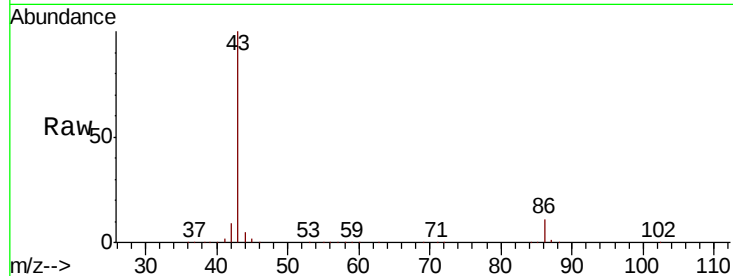
86 11.2 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 46.184 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

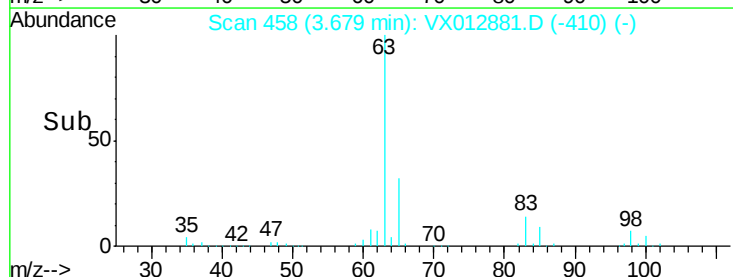
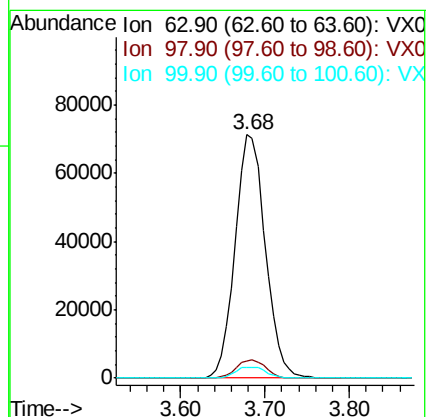
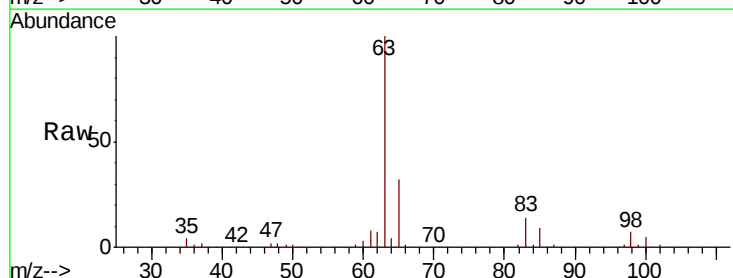
Tgt Ion: 63 Resp: 172832

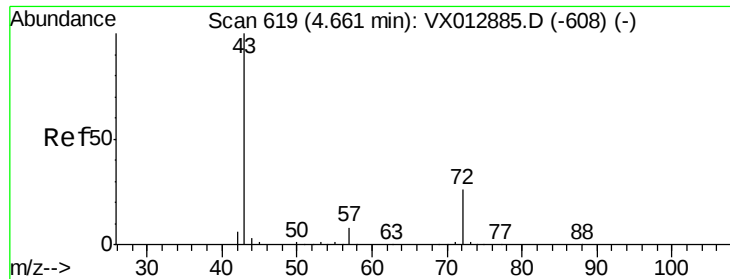
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 222.138 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 407626

Ion Ratio Lower Upper

43 100

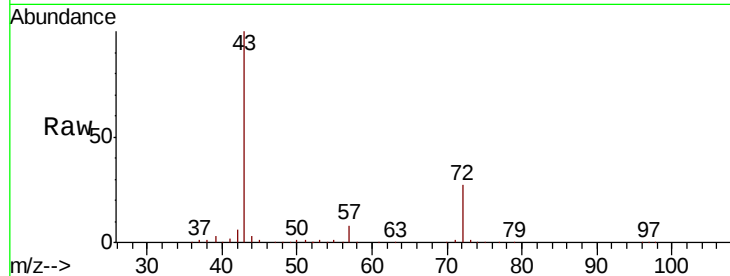
72 26.6 21.0 31.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

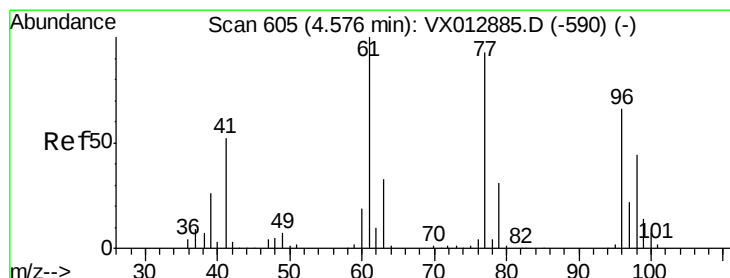
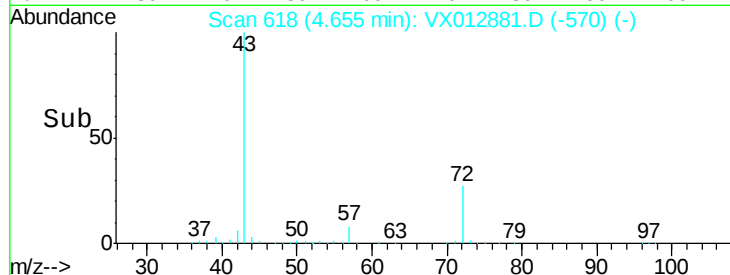
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.553 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012881.D

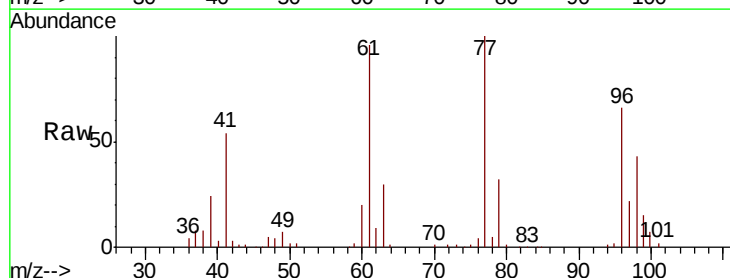
Acq: 08 Oct 2019 10:31

Tgt Ion: 77 Resp: 154161

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

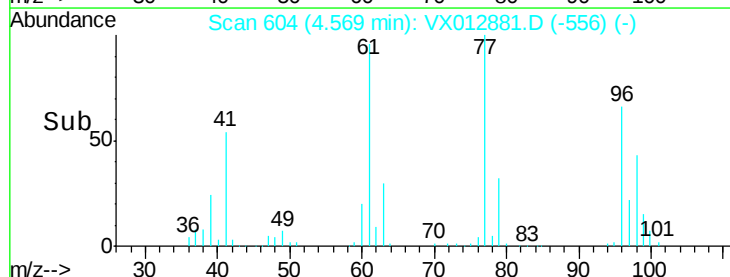
20000

10000

0

4.40 4.50 4.60 4.70

Time-->





#27

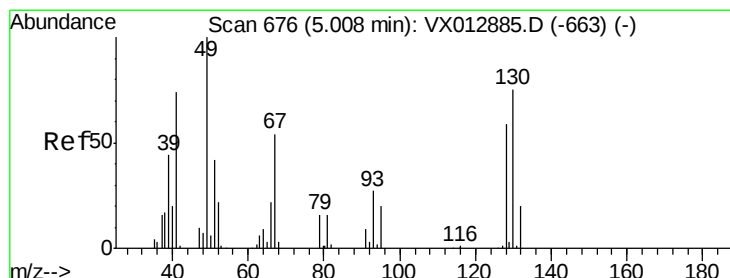
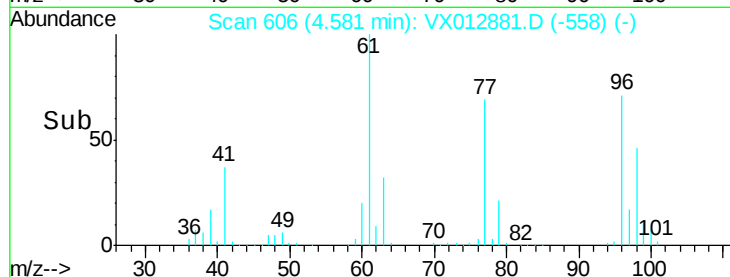
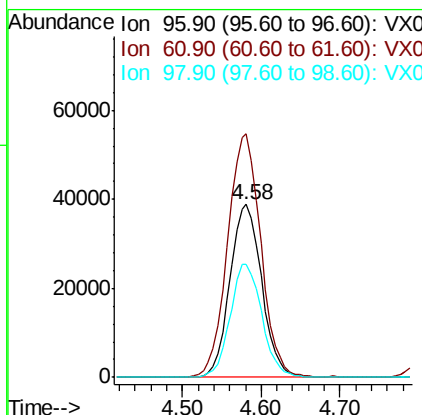
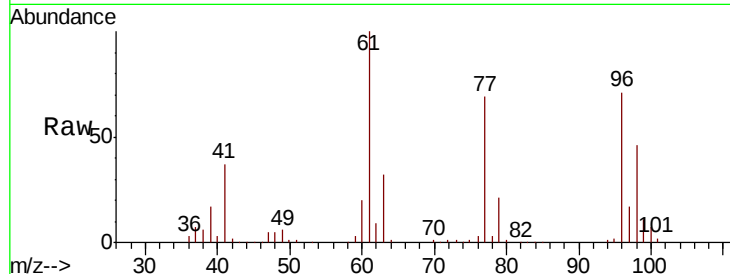
cis-1,2-Dichloroethene
Concen: 46.846 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	108854		
61	147.2	0.0	290.6	
98	65.3	0.0	128.8	

Manual Integrations
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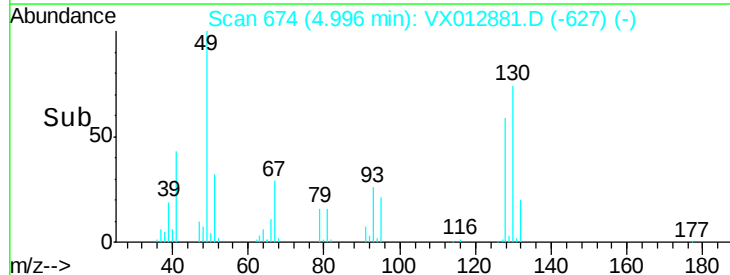
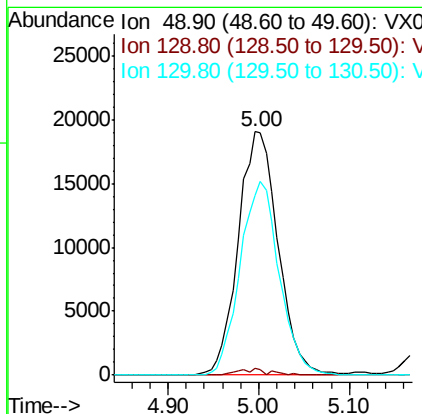
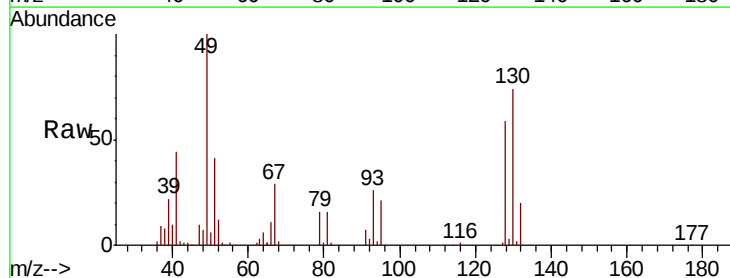
MMDadoda
10/9/2019 10:37:19 AM

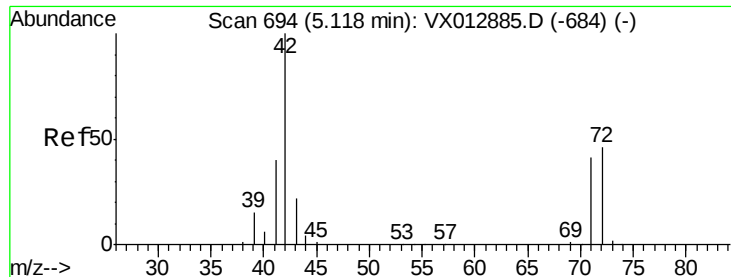


#28

Bromochloromethane
Concen: 43.668 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	57967		
129	1.5	0.0	4.2	
130	77.9	62.1	93.1	





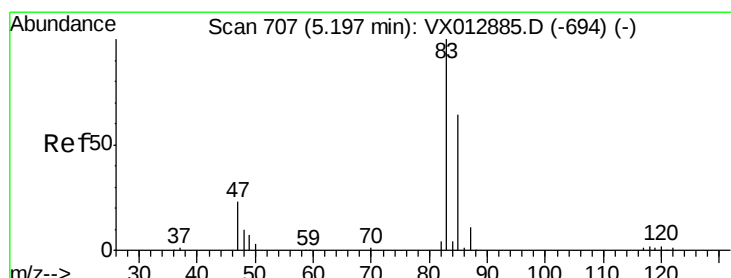
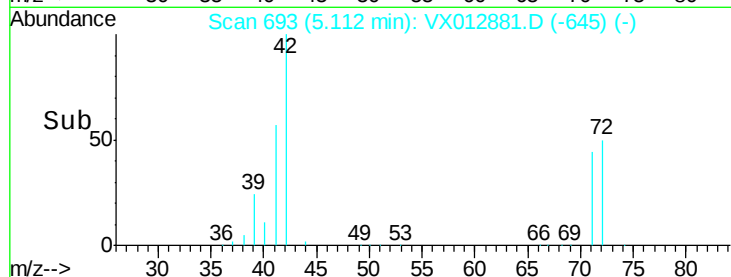
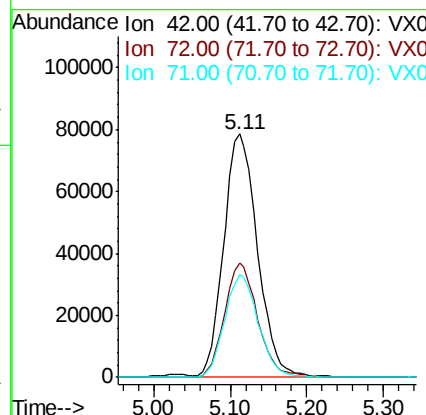
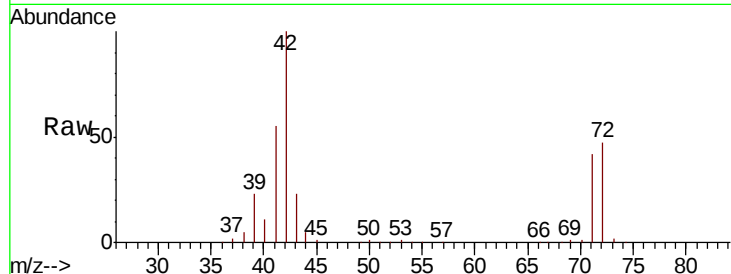
#29
Tetrahydrofuran
Concen: 213.088 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	36.9	55.3
71	42.5	33.5	50.3

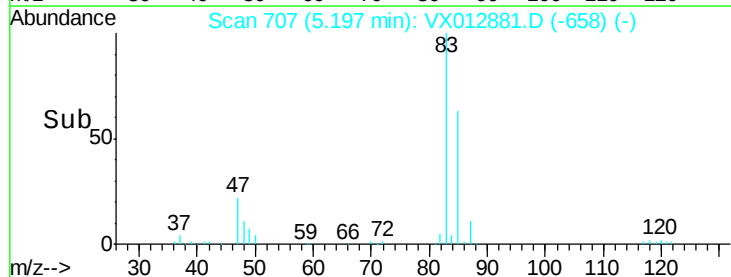
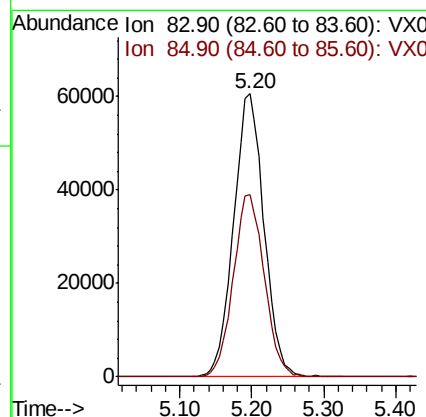
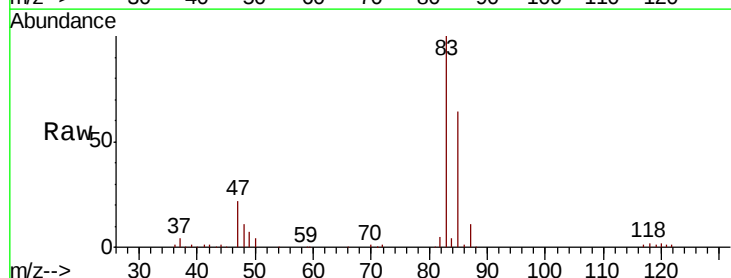
Manual Integrations
APPROVED

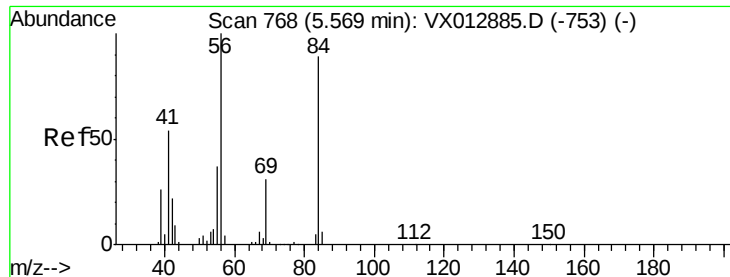
MMDadoda
10/9/2019 10:37:19 AM



#30
Chloroform
Concen: 46.272 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





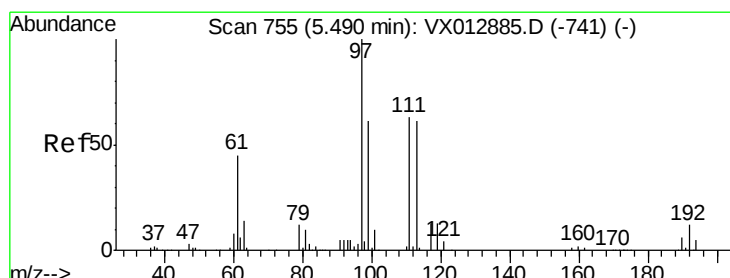
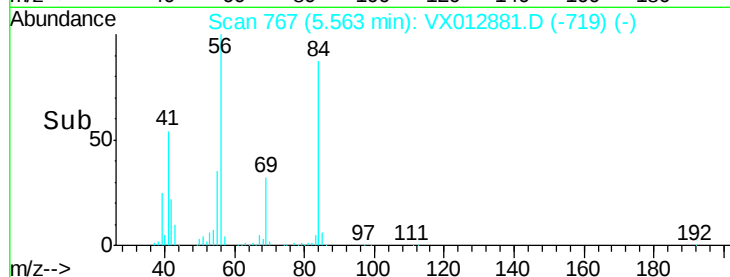
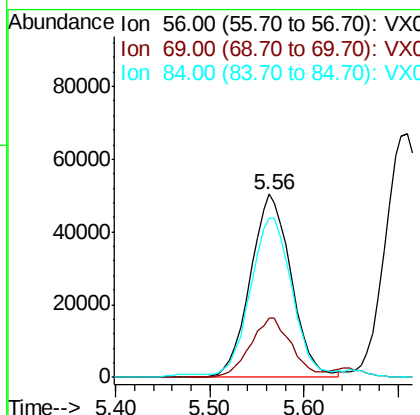
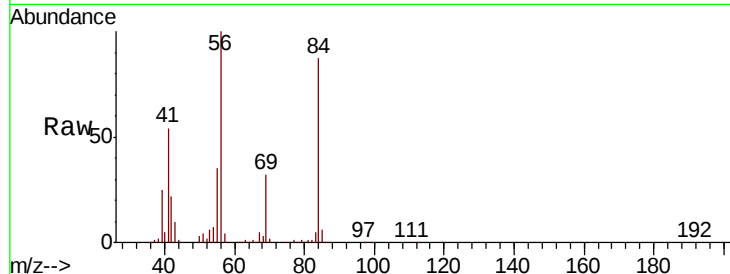
#31
Cyclohexane
Concen: 45.009 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.2	37.8
84	85.1	71.3	106.9

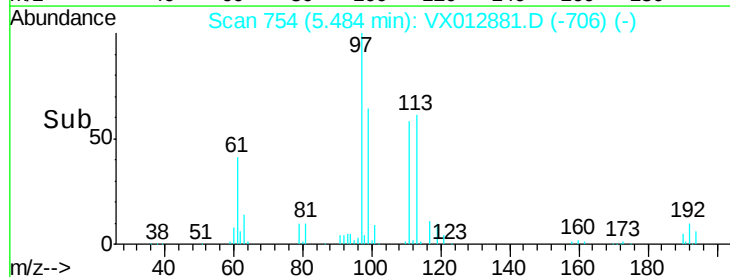
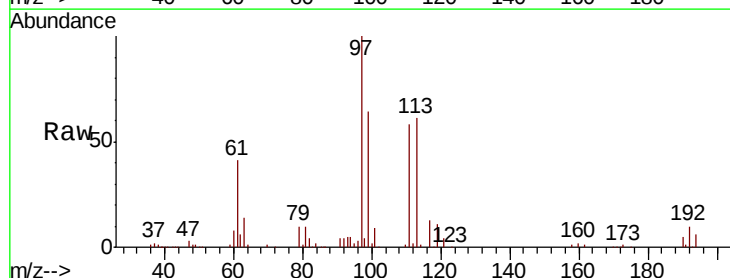
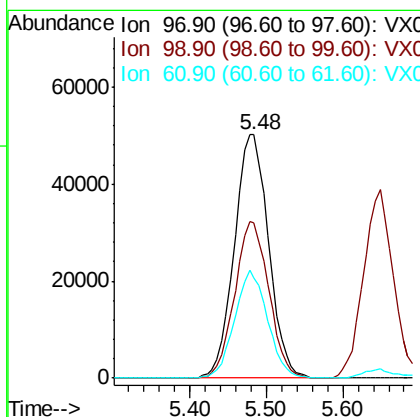
Manual Integrations
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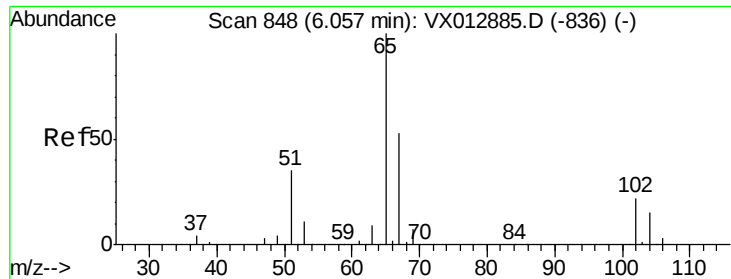
MMDadoda
10/9/2019 10:37:19 AM



#32
1,1,1-Trichloroethane
Concen: 46.058 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.3	78.5
61	42.7	35.0	52.4





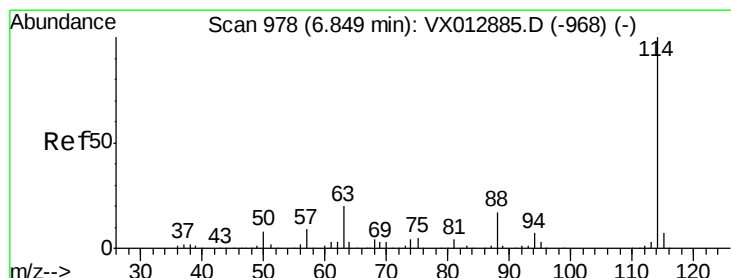
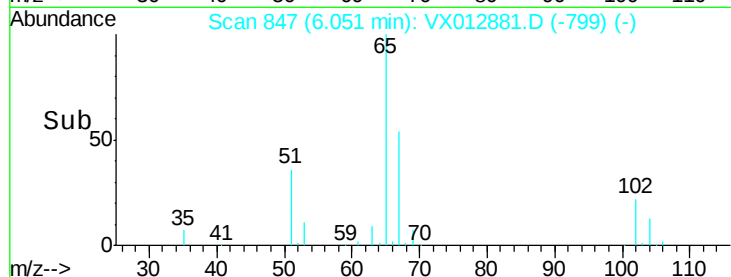
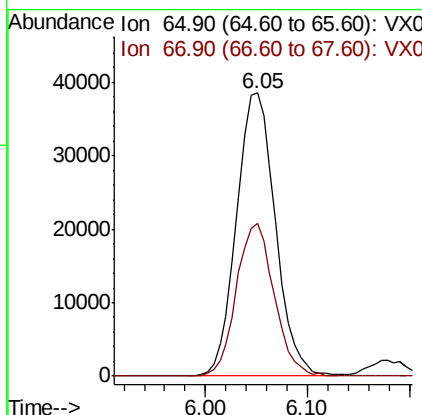
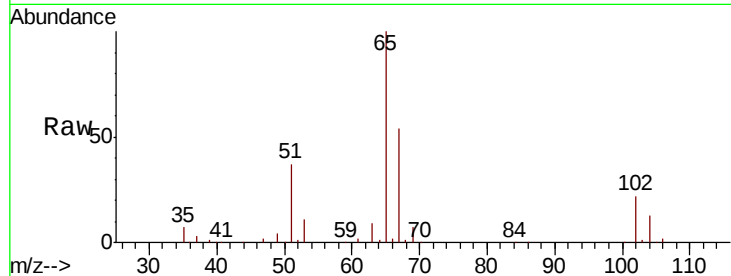
#33
 1,2-Dichloroethane-d4
 Concen: 42.261 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.4

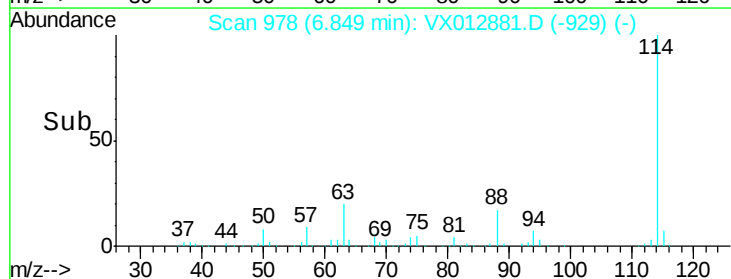
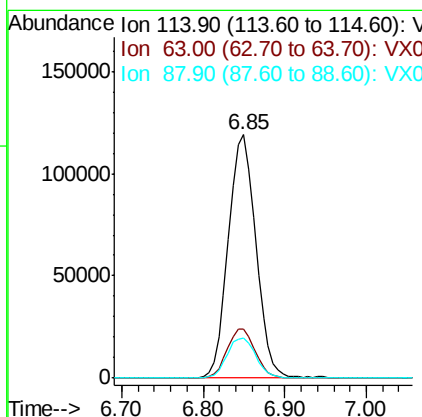
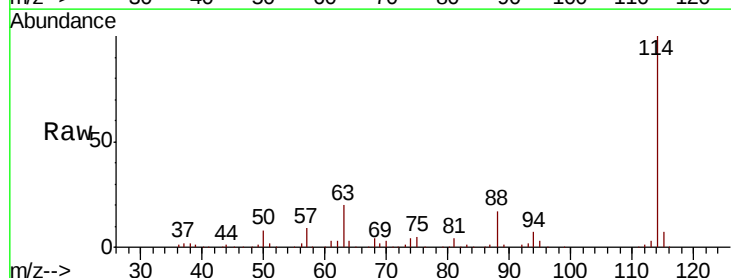
Manual Integrations
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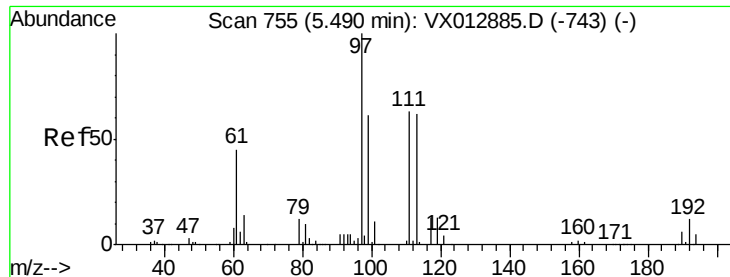
MMDadoda
 10/9/2019 10:37:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	16.7	0.0	33.8





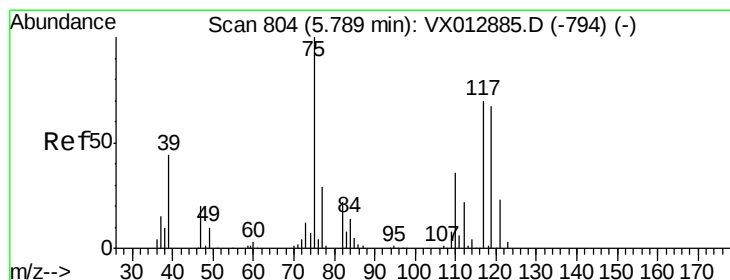
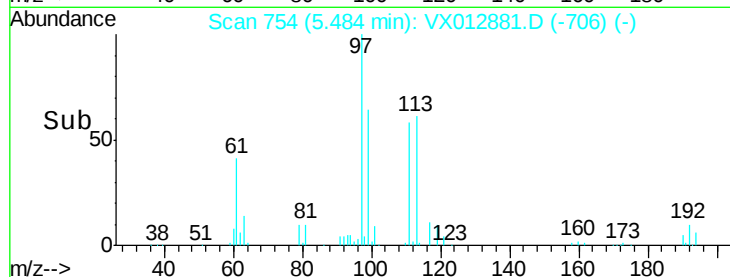
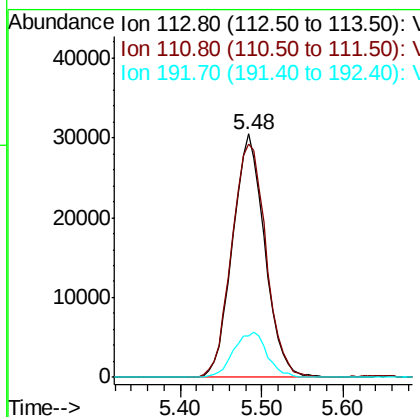
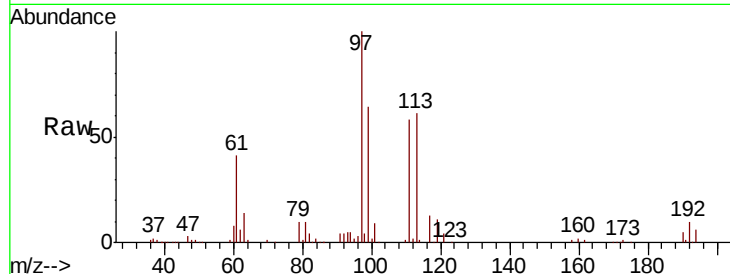
#35
Dibromofluoromethane
Concen: 49.723 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.2	124.8
192	19.2	15.4	23.2

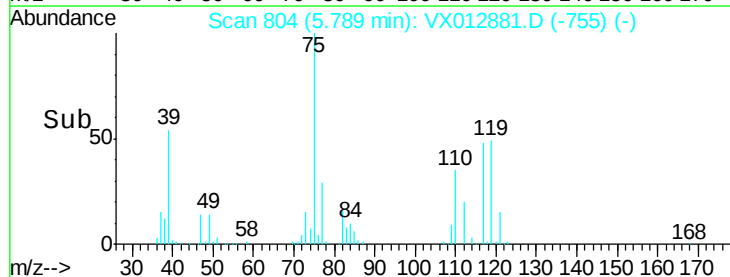
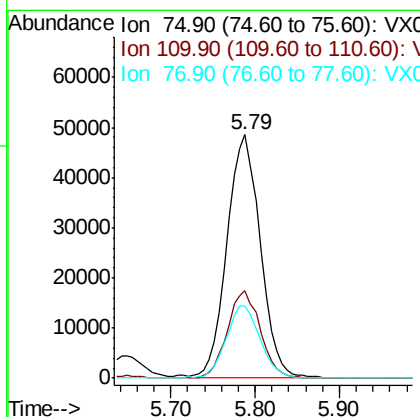
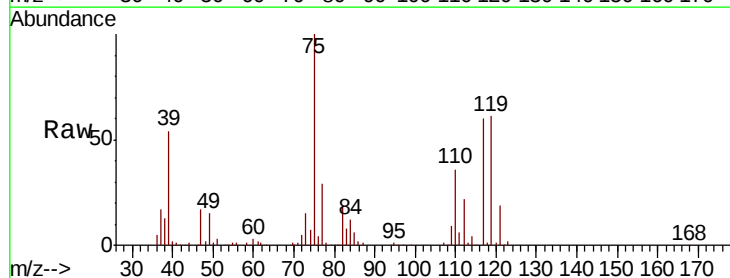
Manual Integrations
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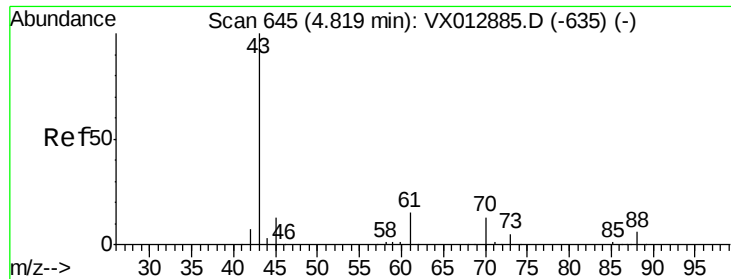
MMDadoda
10/9/2019 10:37:19 AM



#36
1,1-Dichloropropene
Concen: 48.259 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.6	52.9
77	30.4	24.4	36.6





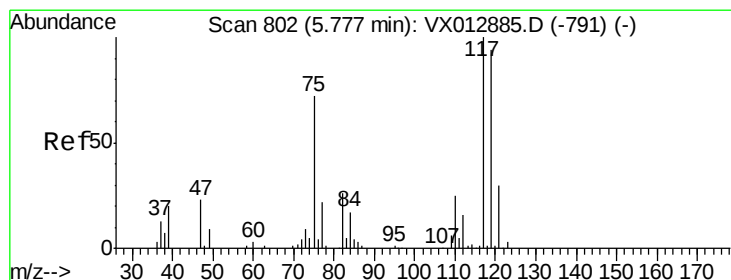
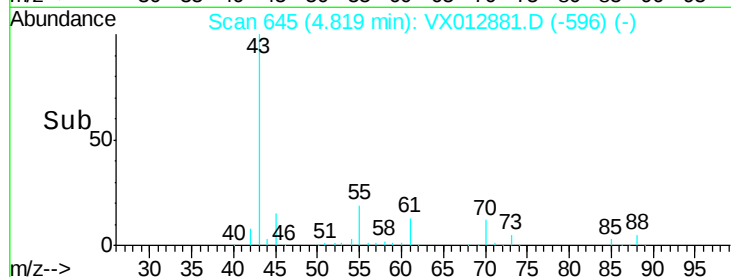
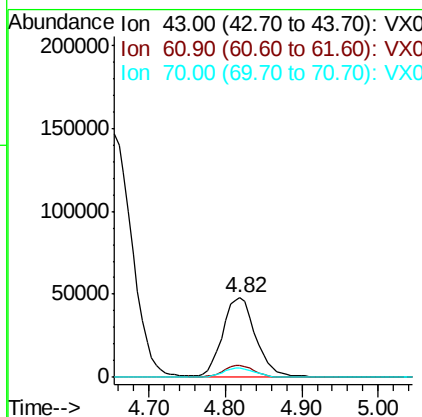
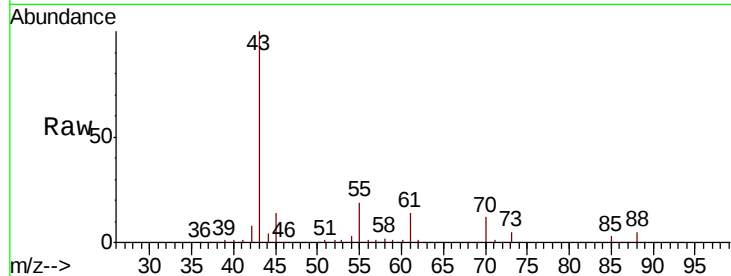
#37
Ethyl Acetate
Concen: 46.087 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.0
70	11.8	9.8	14.6

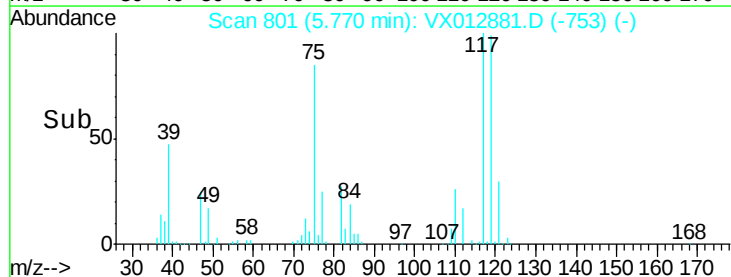
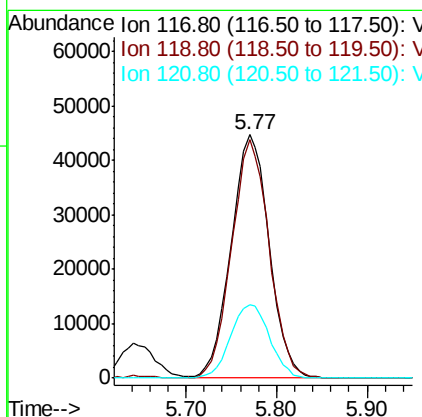
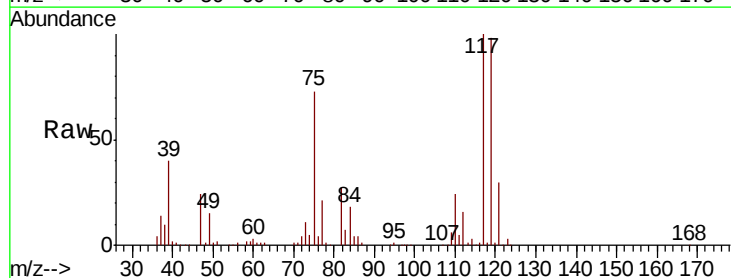
Manual Integrations
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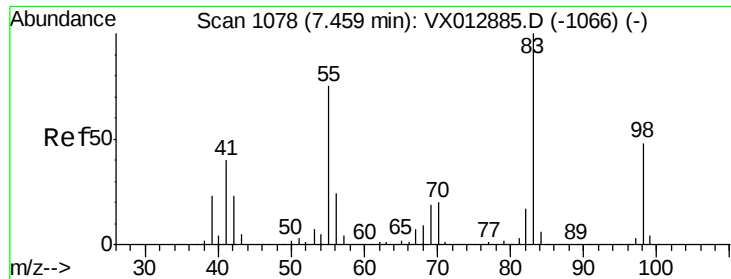
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.936 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	74.5	111.7
121	30.2	24.2	36.4





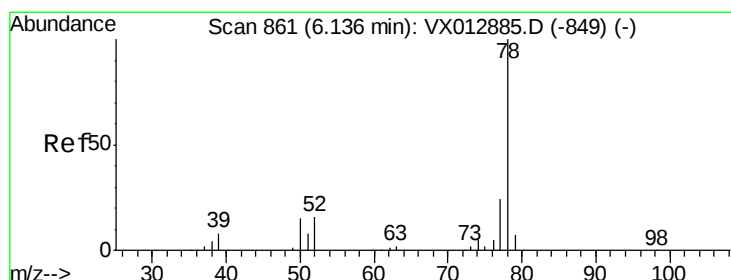
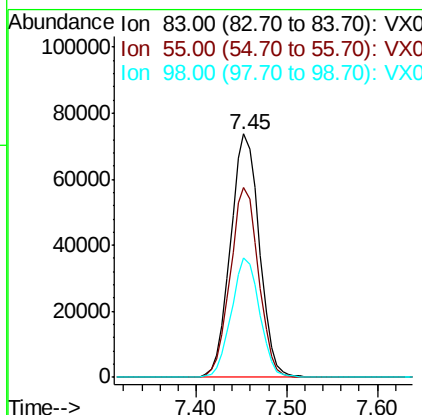
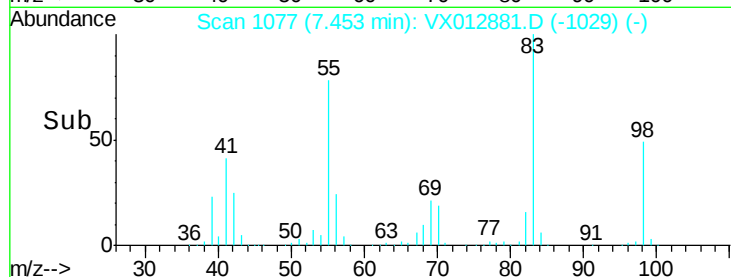
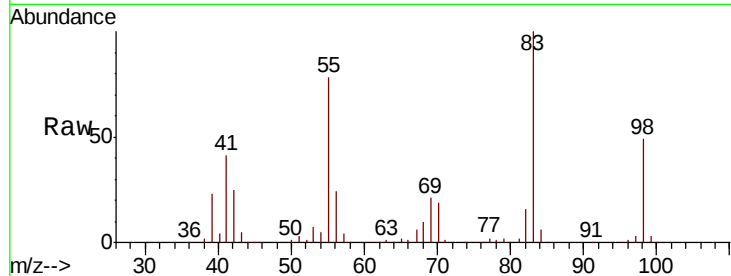
#39
Methvlcvclohexane
Concen: 49.907 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	60.2	90.4
98	48.9	38.5	57.7

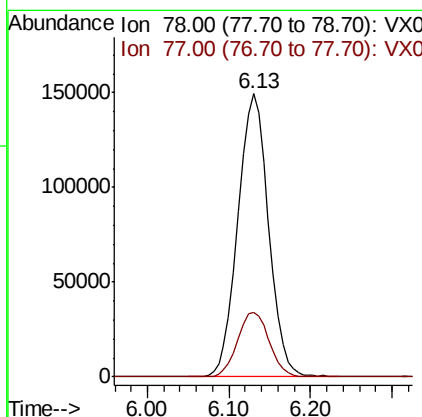
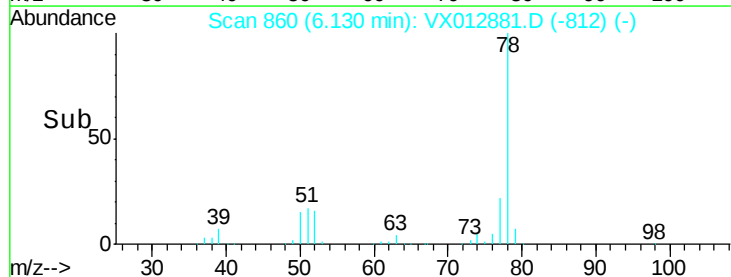
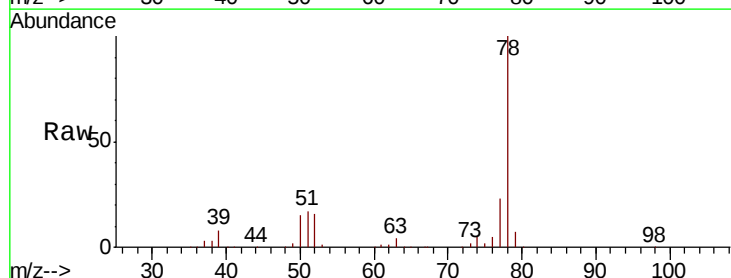
Manual Integrations
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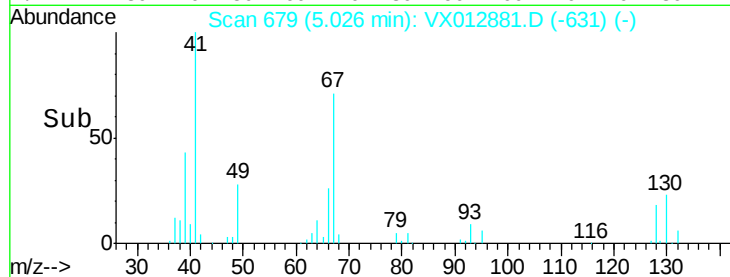
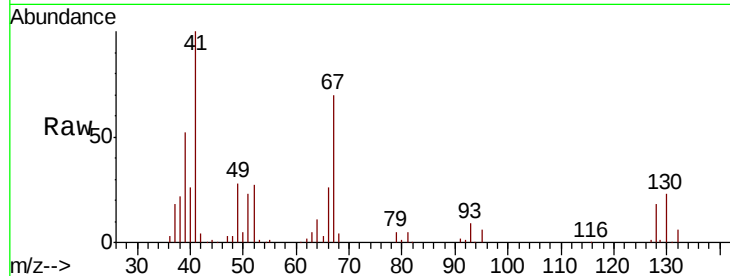
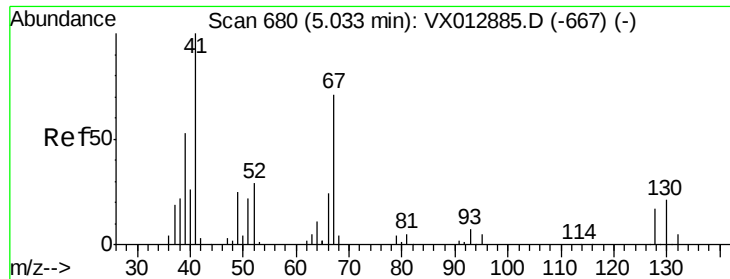
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#40
Benzene
Concen: 49.194 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4





#41

Methacrylonitrile

Concen: 47.290 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tot Ion:	41	Resp:	82428
Ion Ratio	Lower	Upper	
41	100		
39	53.9	44.0	66.0
67	71.4	58.5	87.7
52	28.4	23.8	35.8

Instrument :

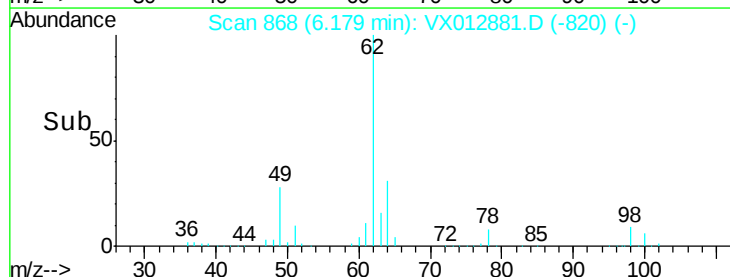
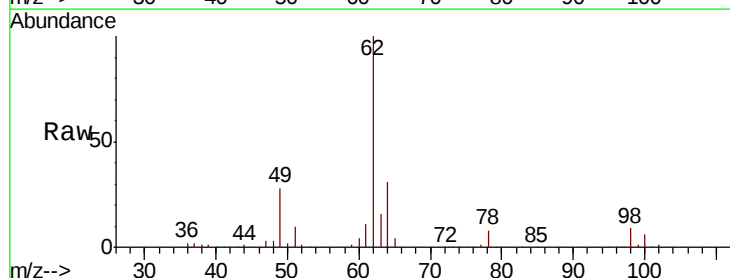
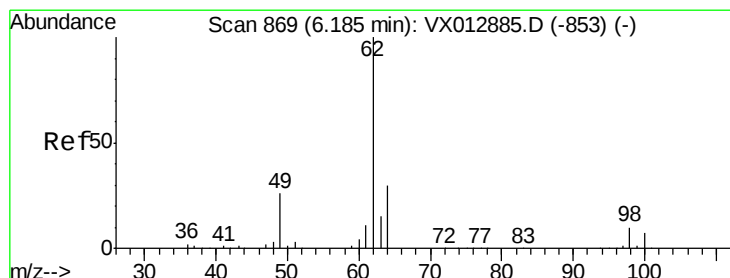
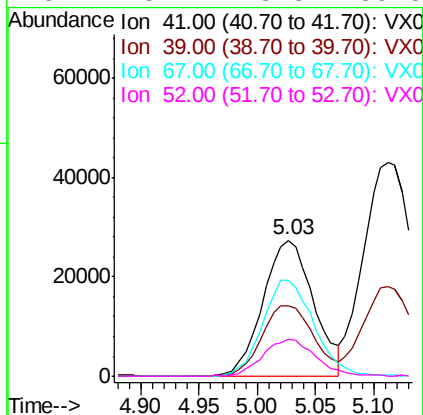
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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10/9/2019 10:37:19 AM



#42

1,2-Dichloroethane

Concen: 47.580 ug/l

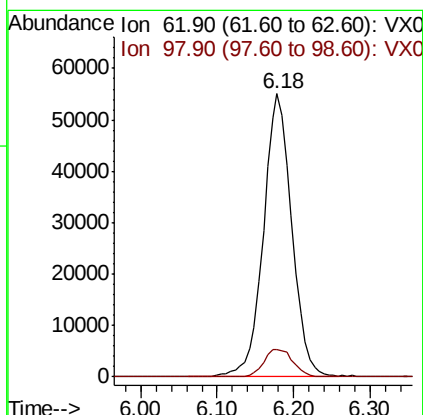
RT: 6.18 min Scan# 868

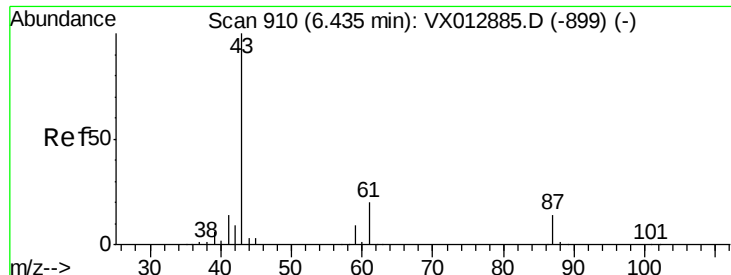
Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion:	62	Resp:	141978
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	20.4





#43

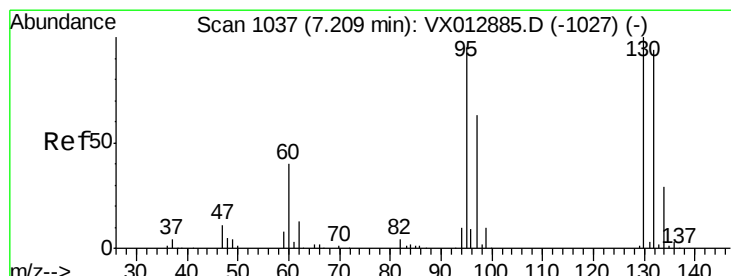
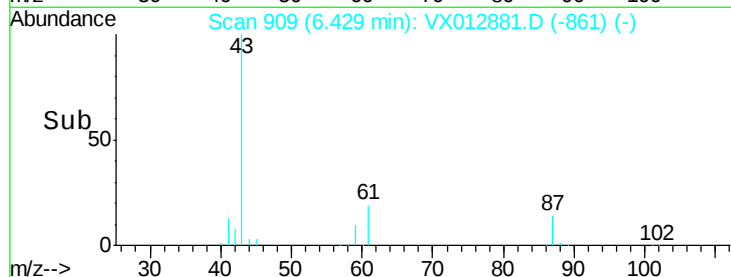
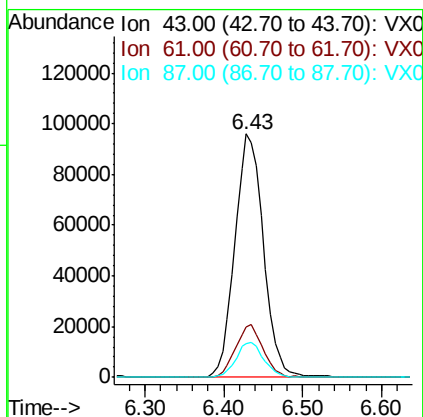
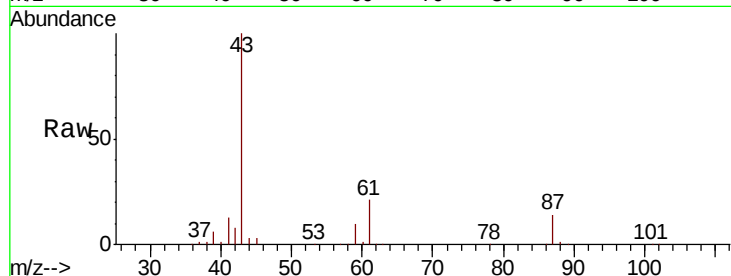
Isopropyl Acetate
 Concen: 46.303 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.6	24.8
87	14.0	11.0	16.6

Manual Integrations
 APPROVED

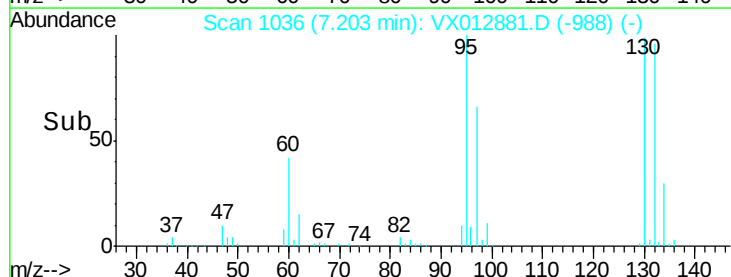
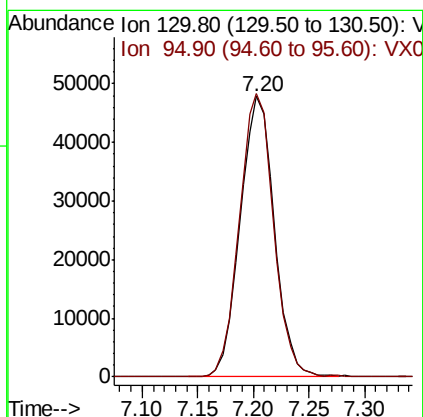
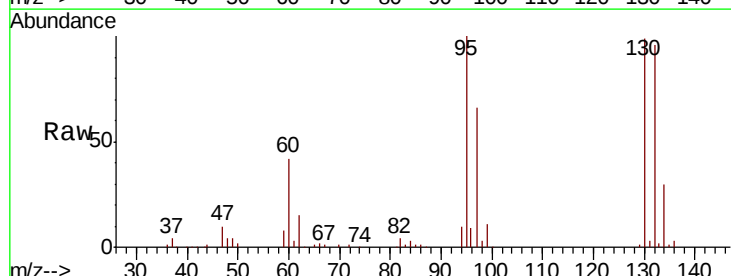
MMDadoda
 10/9/2019 10:37:19 AM



#44

Trichloroethene
 Concen: 50.065 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	189.2





#45

1,2-Dichloropropane

Concen: 50.421 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 102321

Ion Ratio Lower Upper

63 100

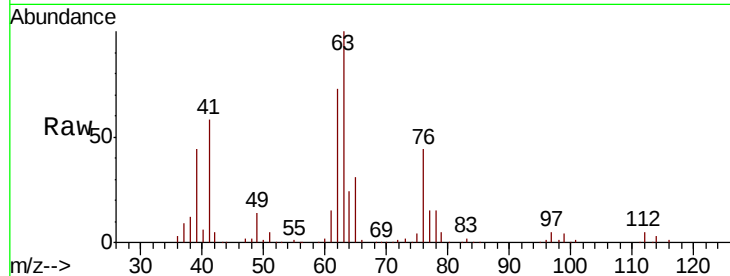
65 31.3 24.6 37.0

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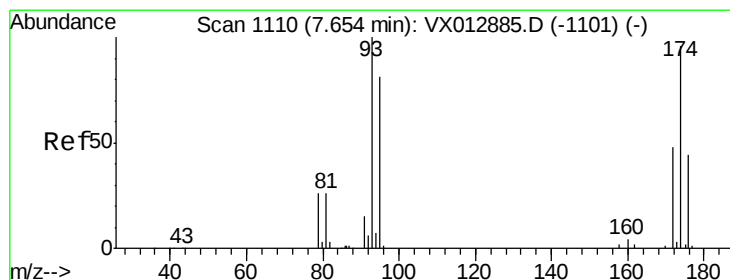
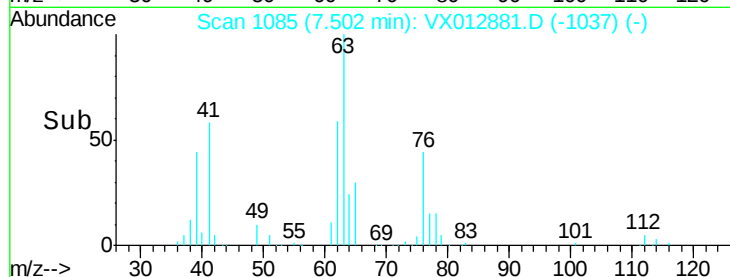
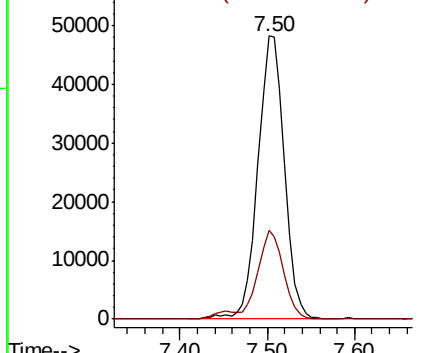
MMDadoda

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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: 48.992 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

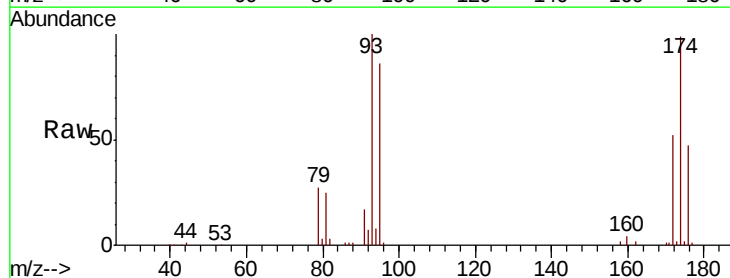
Tgt Ion: 93 Resp: 67595

Ion Ratio Lower Upper

93 100

95 83.6 66.3 99.5

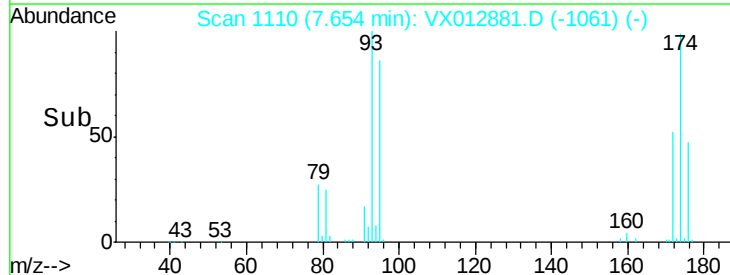
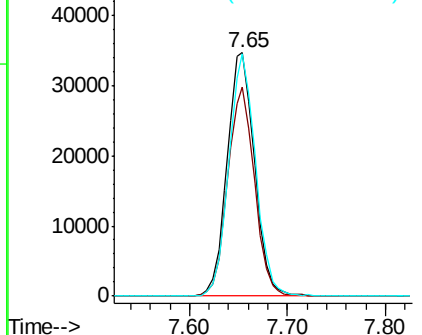
174 96.5 77.8 116.6

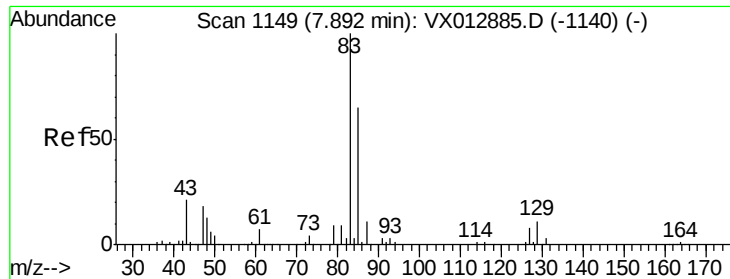


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.640 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

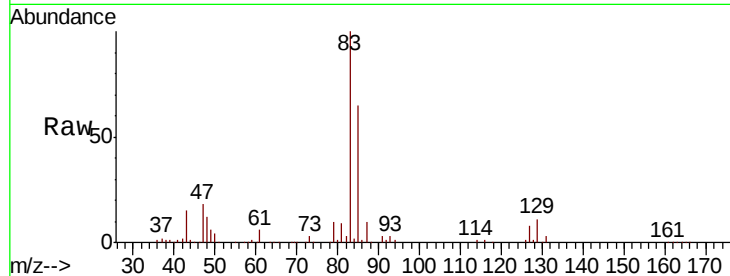
ClientSampleId :

VSTDCCC050

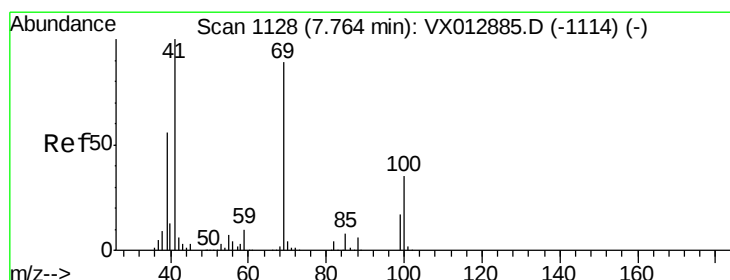
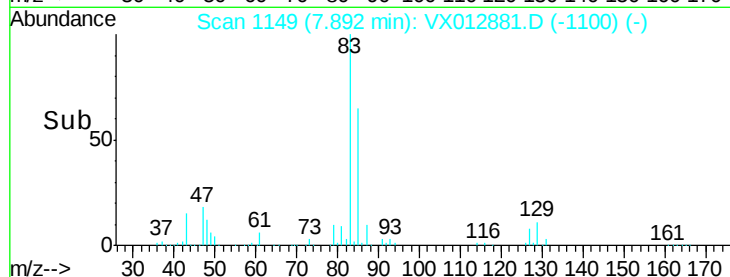
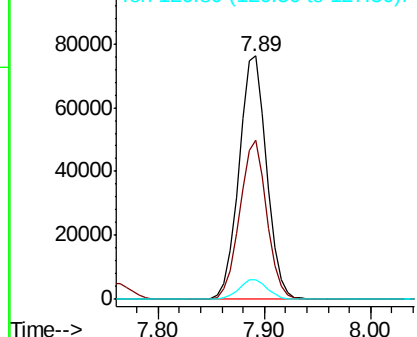
Tot Ion:	83	Resp:	138947
Ion Ratio	Lower	Upper	
83	100		
85	65.4	52.4	78.6
127	8.2	6.6	10.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.639 ug/l

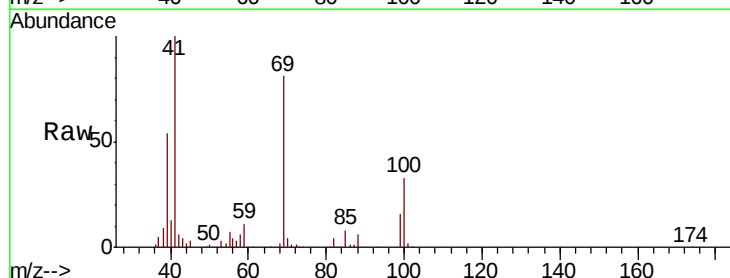
RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

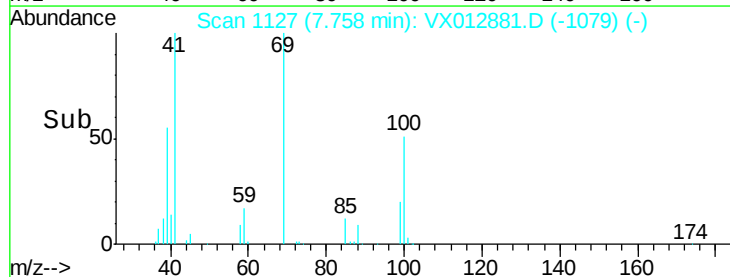
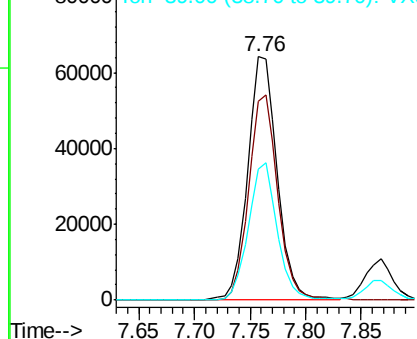
Lab File: VX012881.D

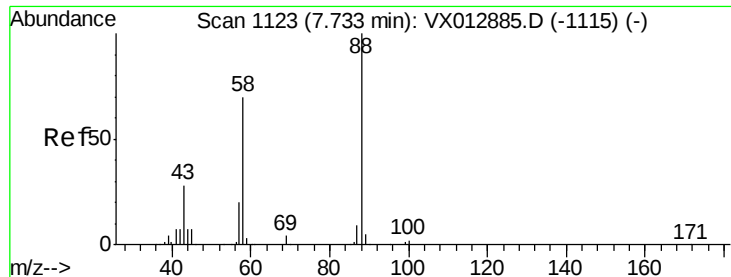
Acq: 08 Oct 2019 10:31

Tgt Ion:	41	Resp:	118758
Ion Ratio	Lower	Upper	
41	100		
69	83.0	68.7	103.1
39	55.1	44.3	66.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





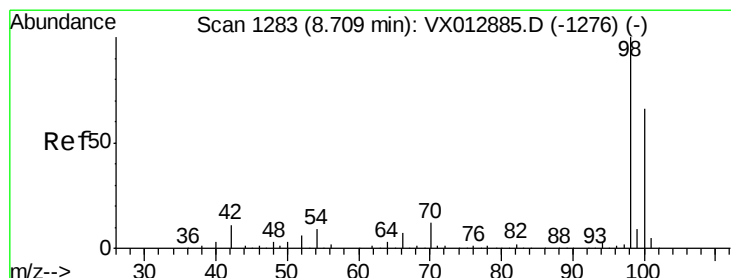
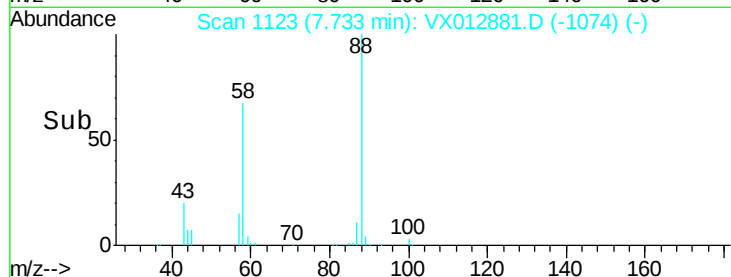
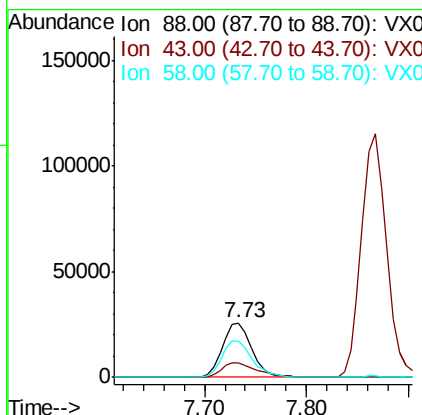
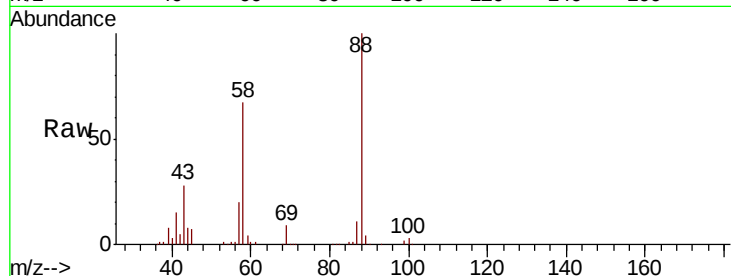
#49
1,4-Dioxane
Concen: 883.515 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.0	37.6
58	70.1	55.4	83.2

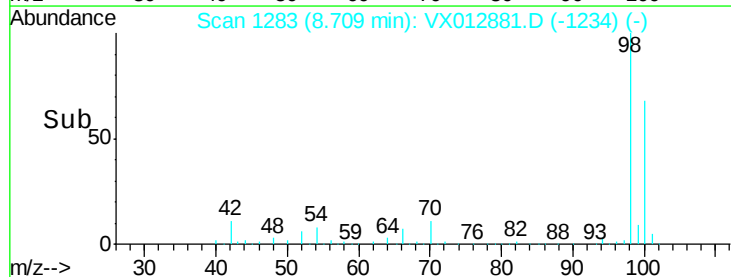
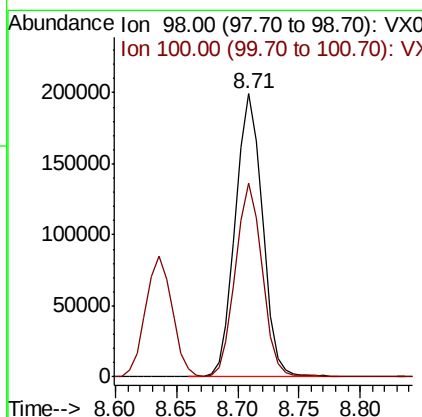
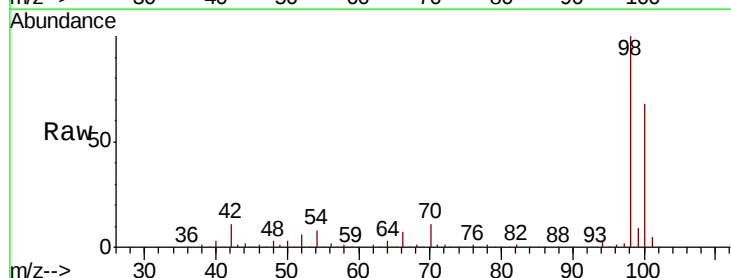
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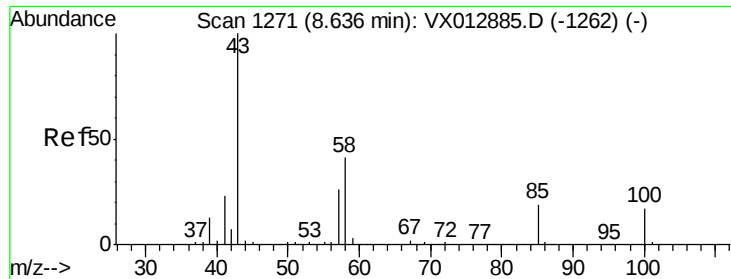
MMDadoda
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#50
Toluene-d8
Concen: 47.550 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.2





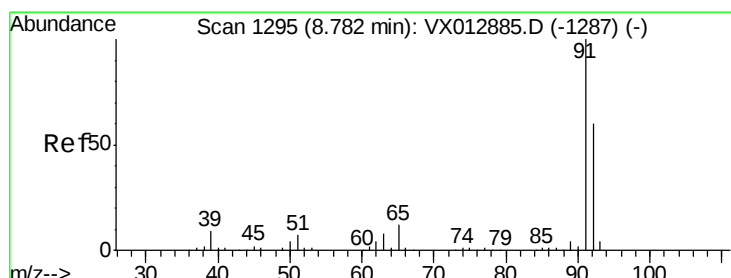
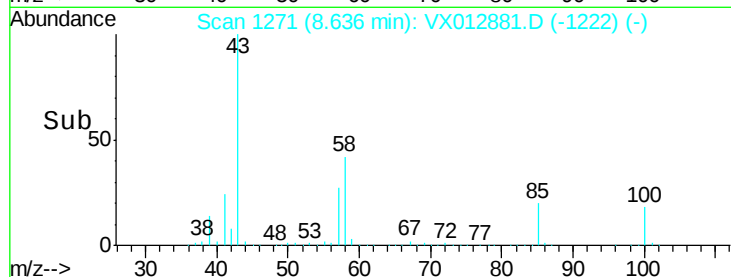
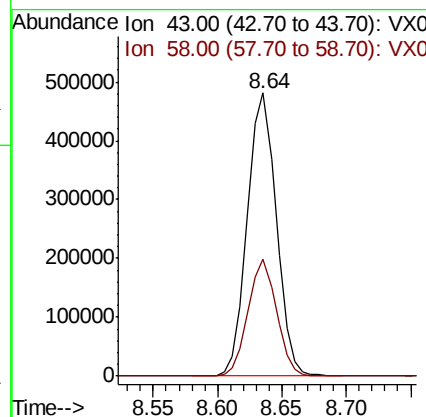
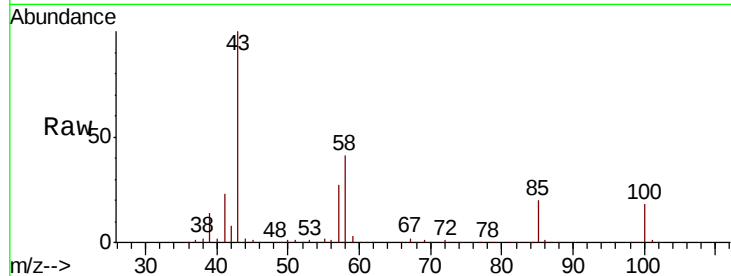
#51
4-Methyl-2-Pentanone
Concen: 232.849 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.4	48.6

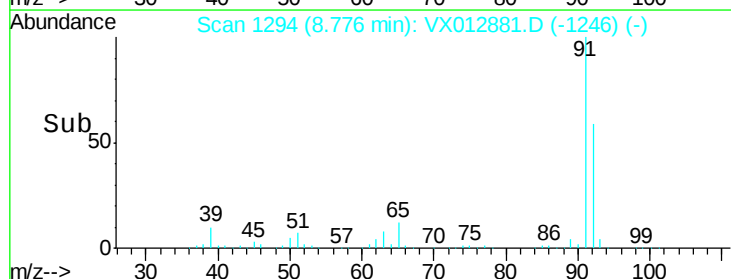
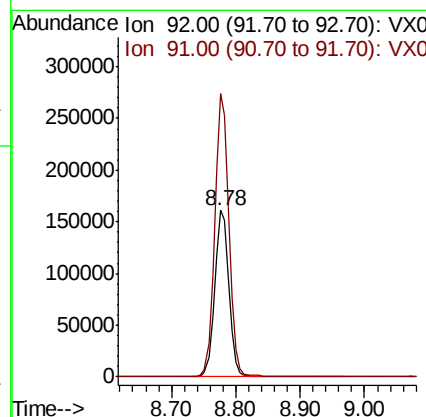
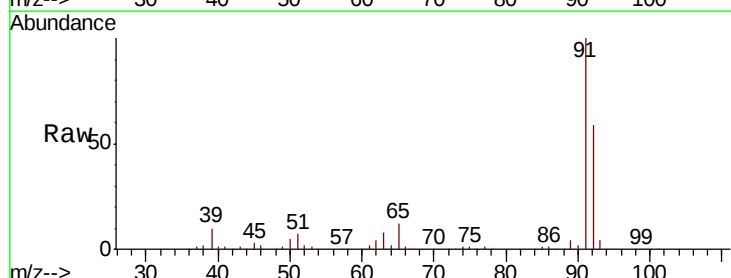
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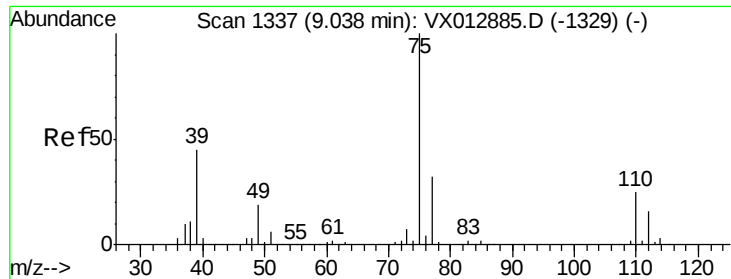
MMDadoda
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#52
Toluene
Concen: 50.261 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.7	135.9	203.9





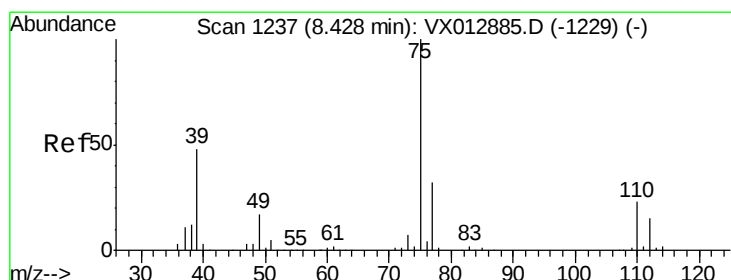
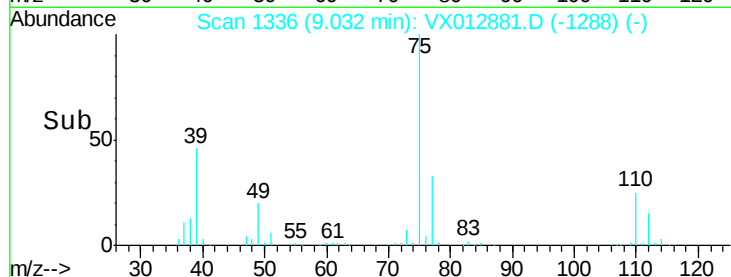
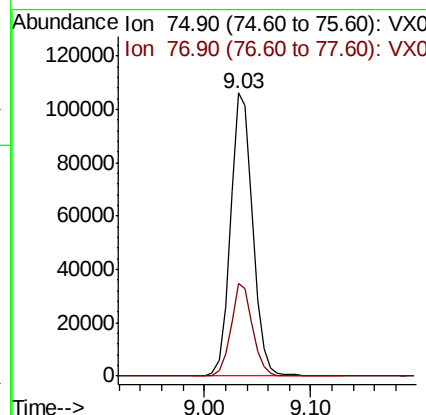
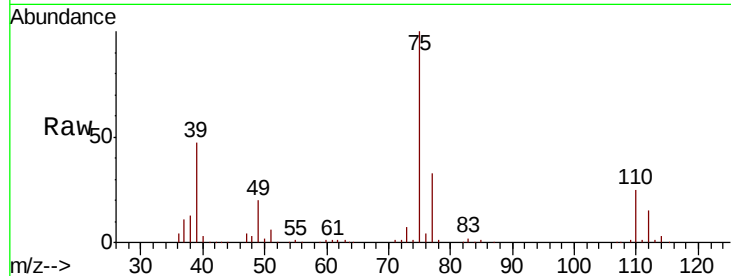
#53
t-1,3-Dichloropropene
Concen: 50.668 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 153967
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.6

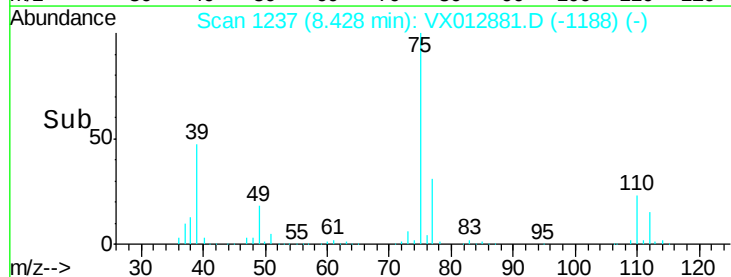
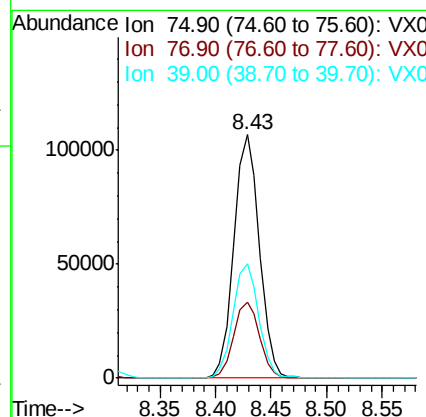
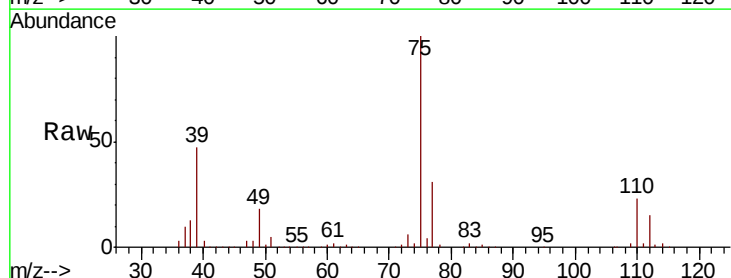
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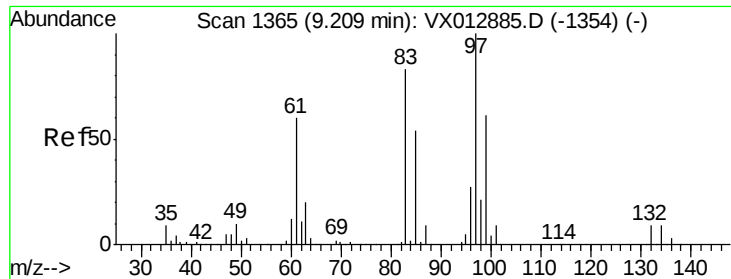
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.109 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 75 Resp: 169816
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.8
39 46.6 38.2 57.2





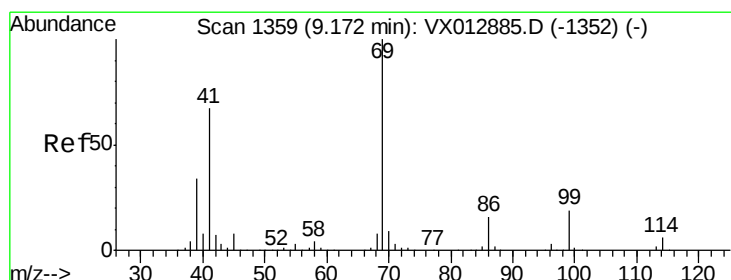
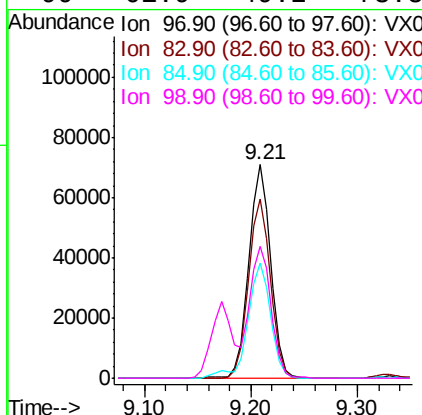
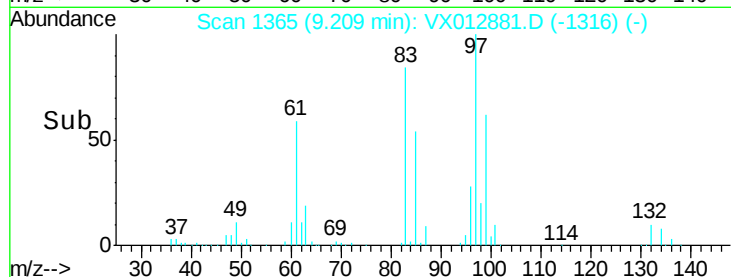
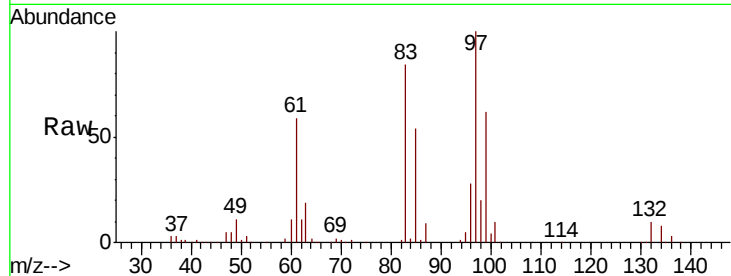
#55
 1,1,2-Trichloroethane
 Concen: 51.922 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	102778
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.5	99.7
85	54.1	43.1	64.7
99	61.9	49.2	73.8

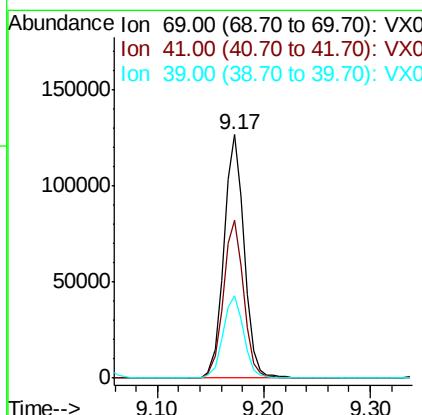
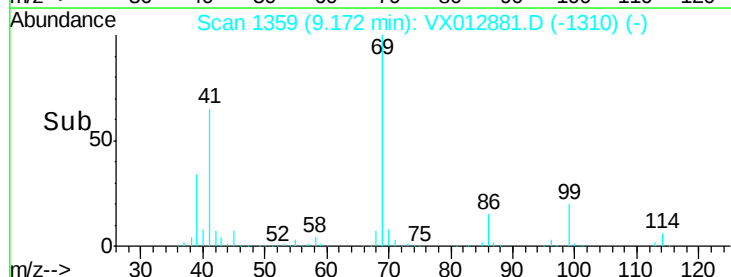
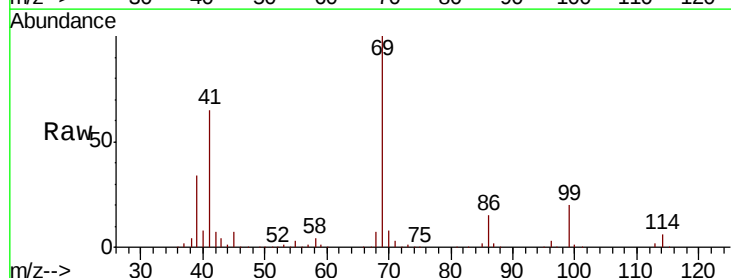
Manual Integrations
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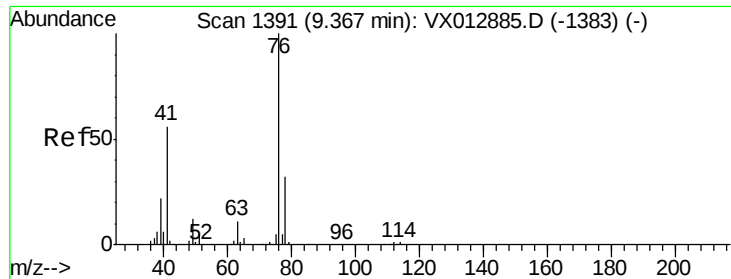
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 10/9/2019 10:37:19 AM



#56
 Ethyl methacrylate
 Concen: 51.124 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion:	69	Resp:	169554
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.1	78.1
39	34.5	27.8	41.8





#57

1,3-Dichloropropane

Concen: 50.168 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 173688

Ion Ratio Lower Upper

76 100

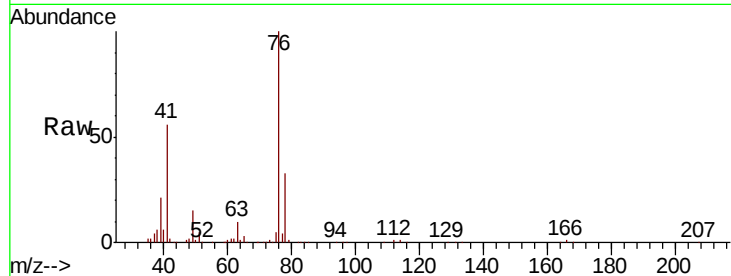
78 32.9 26.1 39.1

Manual Integrations

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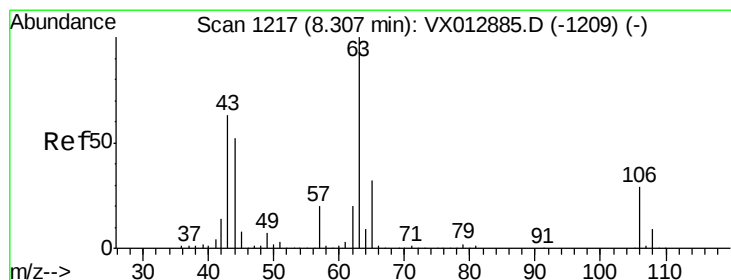
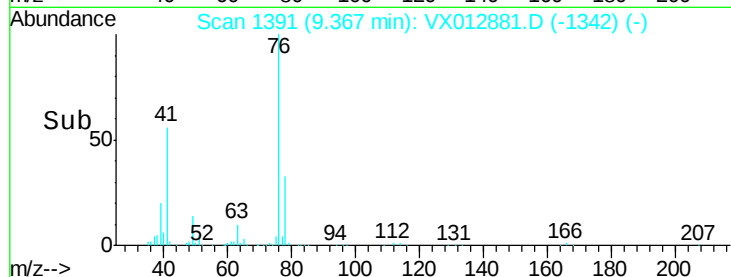
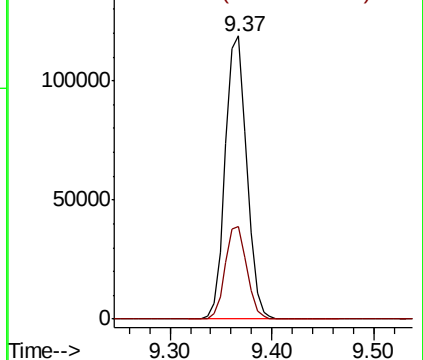
MMDadoda

10/9/2019 10:37:19 AM



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: 266.876 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012881.D

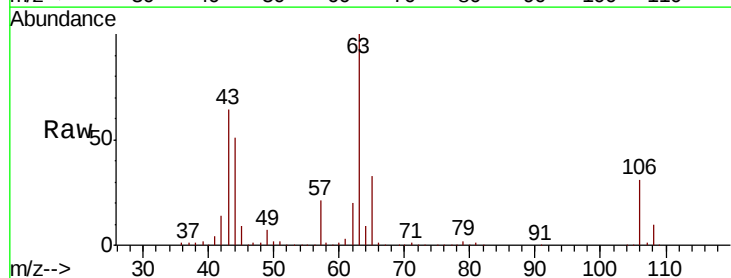
Acq: 08 Oct 2019 10:31

Tgt Ion: 63 Resp: 394746

Ion Ratio Lower Upper

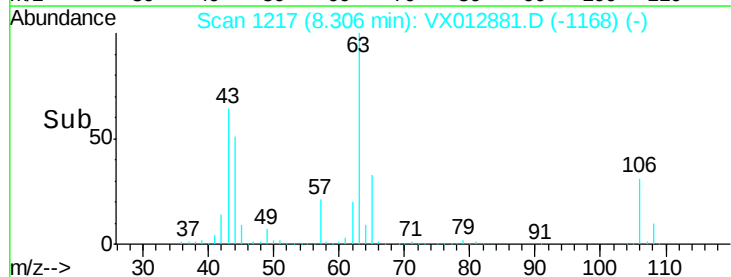
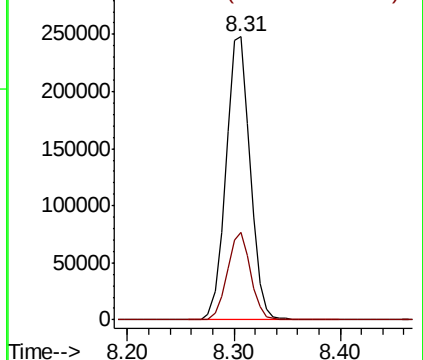
63 100

106 29.9 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





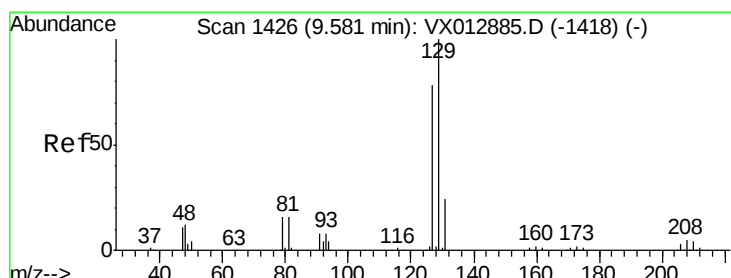
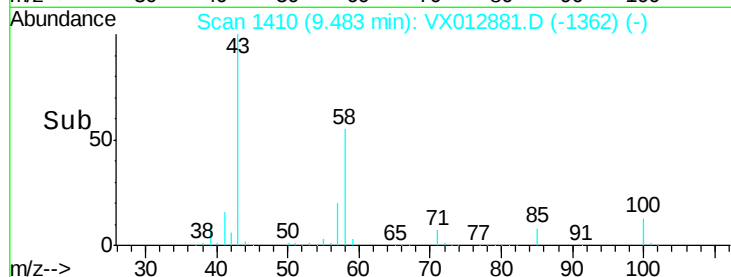
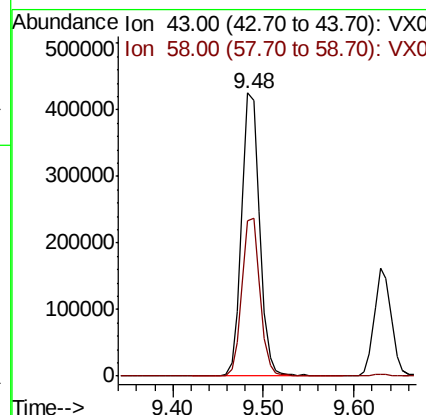
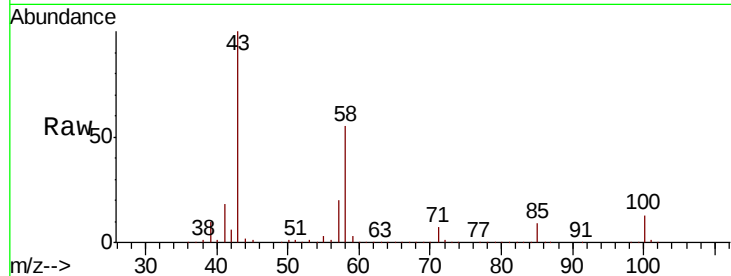
#59
2-Hexanone
Concen: 242.483 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 595127
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.3

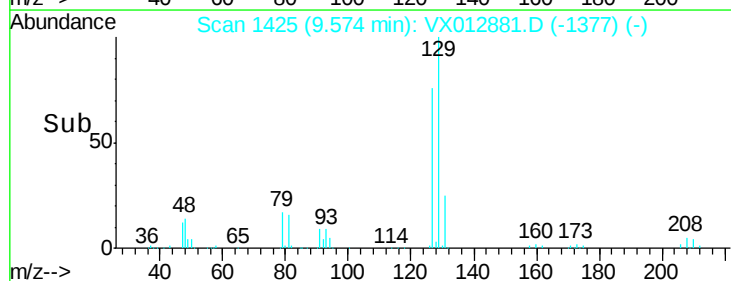
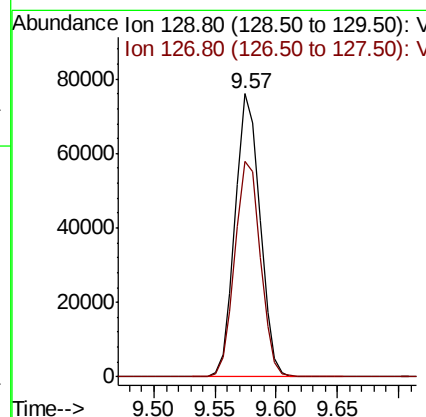
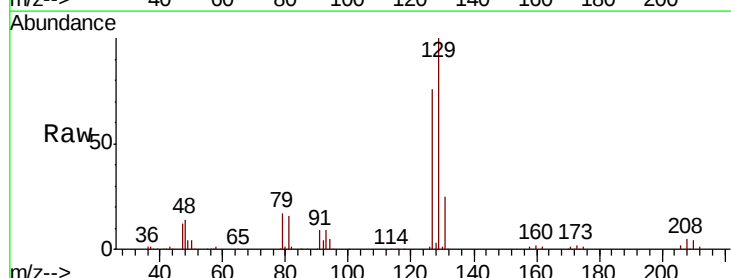
Manual Integrations
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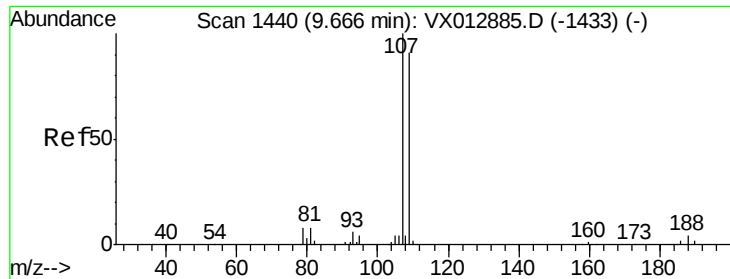
MMDadoda
10/9/2019 10:37:19 AM



#60
Dibromochloromethane
Concen: 53.287 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 129 Resp: 106877
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.662 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 106439

Ion Ratio Lower Upper

107 100

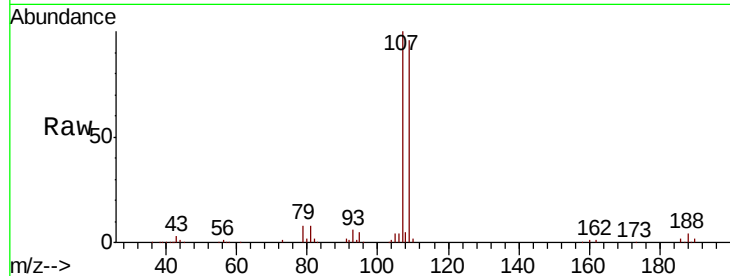
109 92.9 75.8 113.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

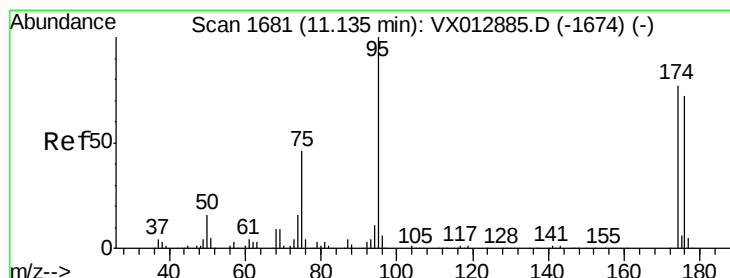
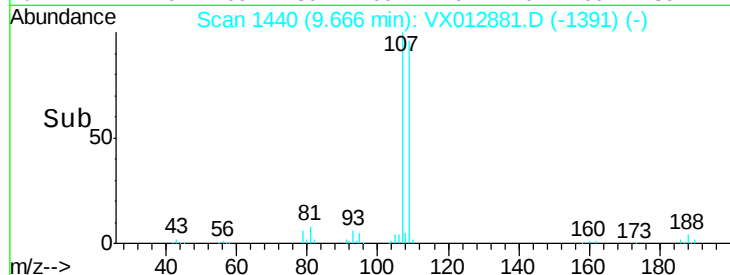
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 49.519 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

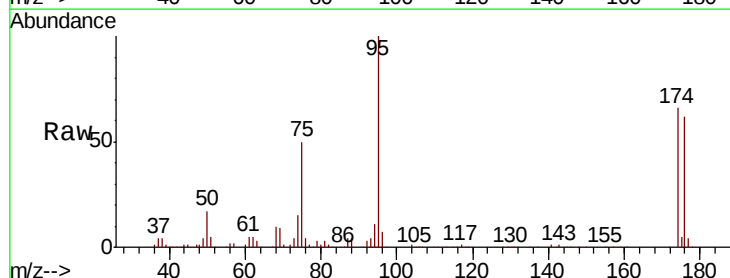
Tgt Ion: 95 Resp: 125541

Ion Ratio Lower Upper

95 100

174 71.1 0.0 143.4

176 68.7 0.0 136.0



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

120000

100000

80000

60000

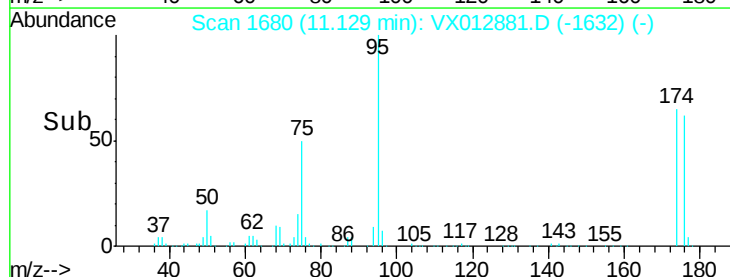
40000

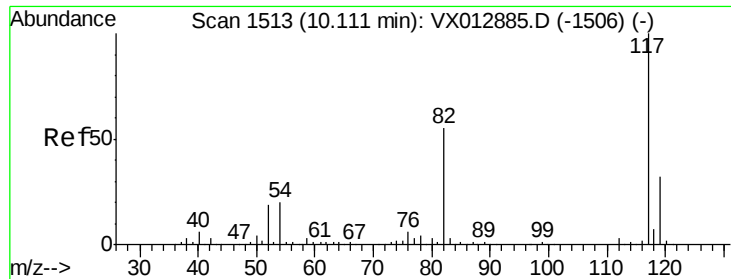
20000

0

11.05 11.10 11.15 11.20

Time-->





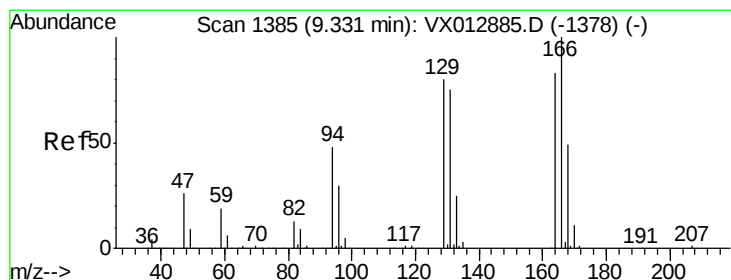
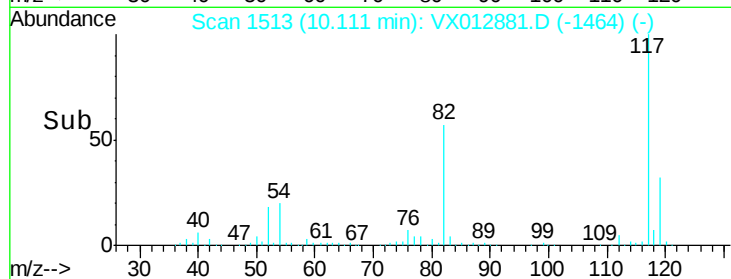
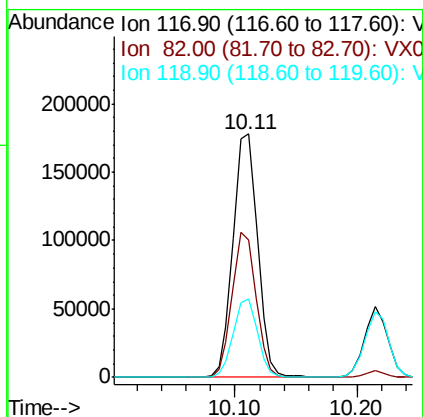
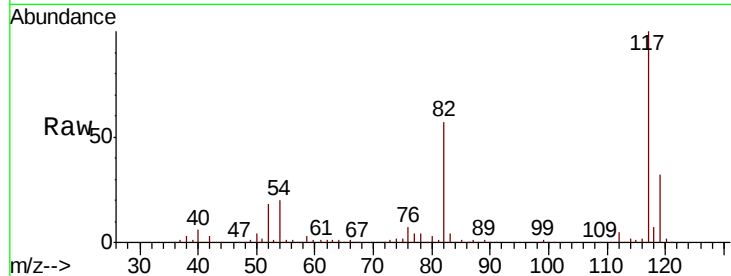
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.1	66.1
119	32.5	25.8	38.8

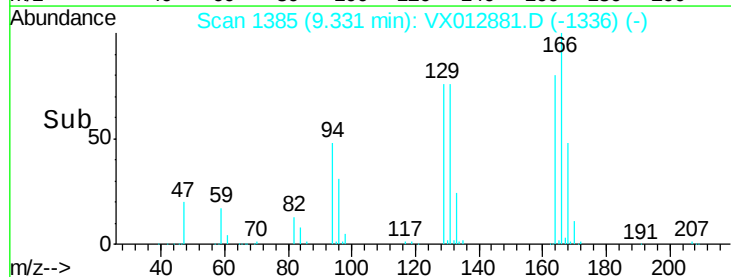
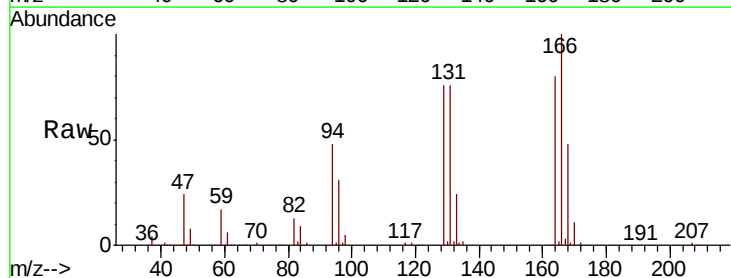
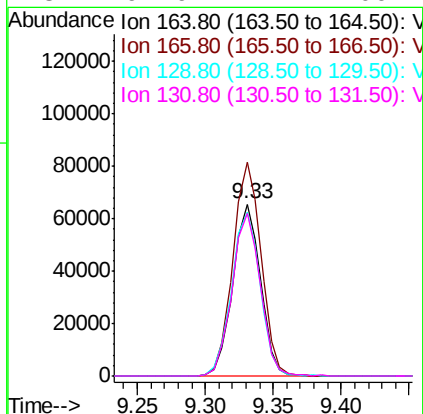
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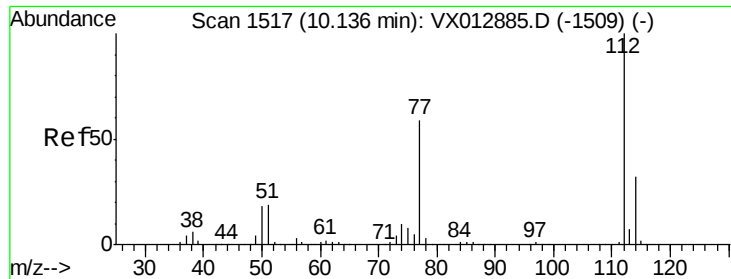
MMDadoda
10/9/2019 10:37:19 AM



#64
Tetrachloroethene
Concen: 53.099 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	96.9	145.3
129	95.2	77.9	116.9
131	94.9	72.7	109.1





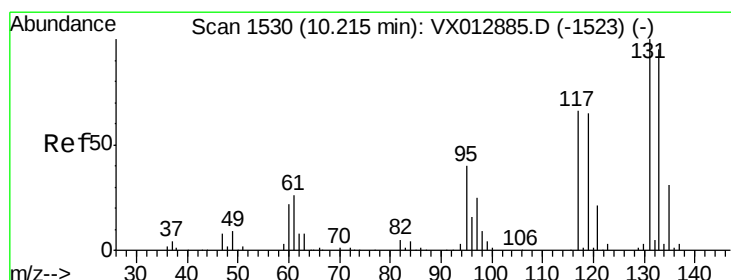
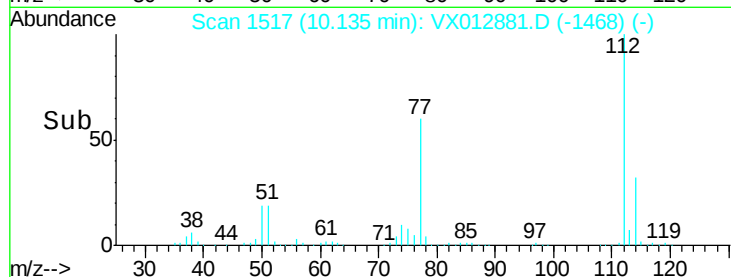
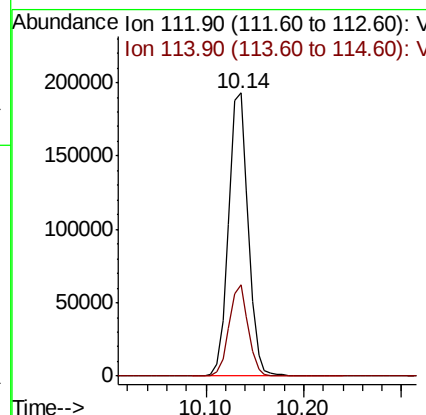
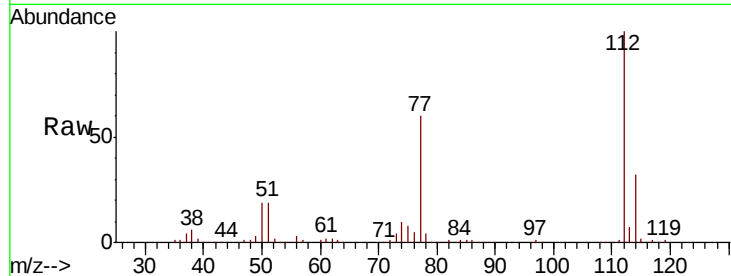
#65
Chlorobenzene
Concen: 51.339 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 268517
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

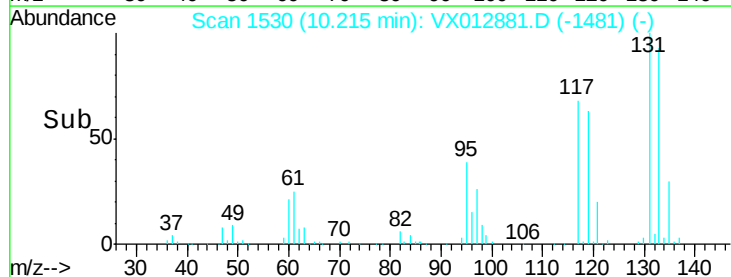
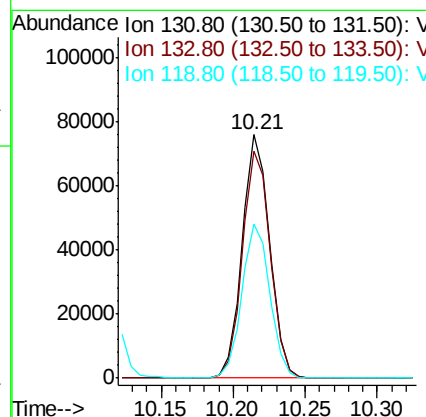
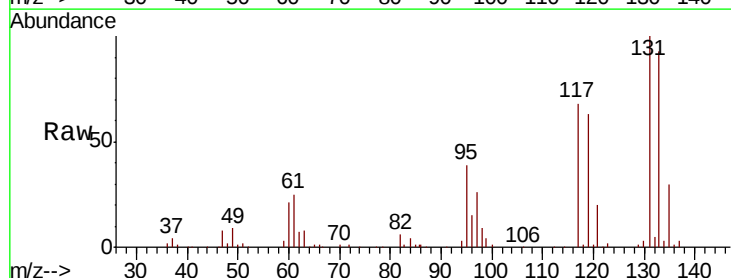
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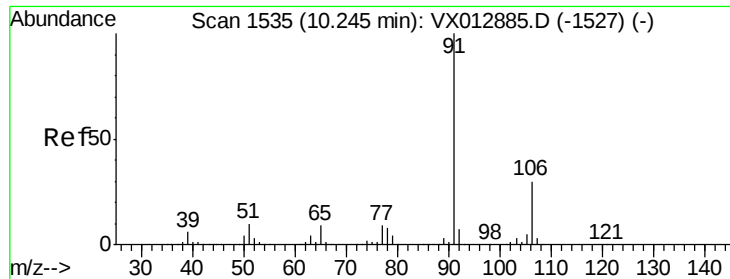
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.060 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion:131 Resp: 100523
Ion Ratio Lower Upper
131 100
133 94.4 47.2 141.6
119 64.5 32.6 98.0





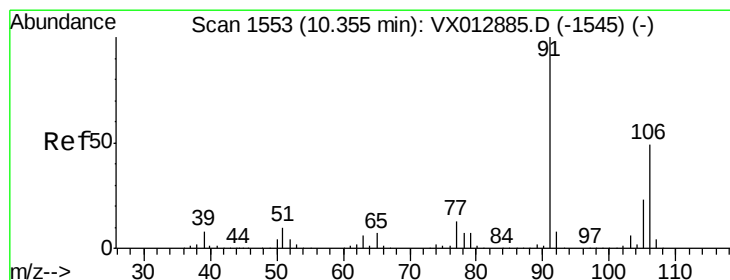
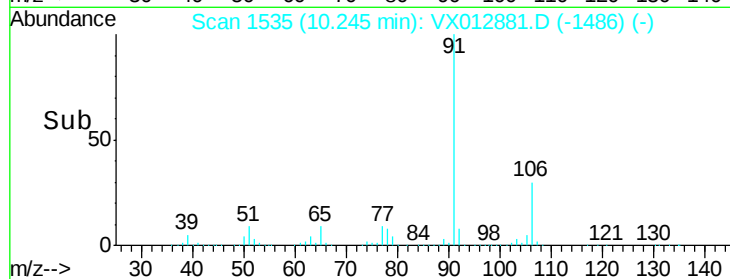
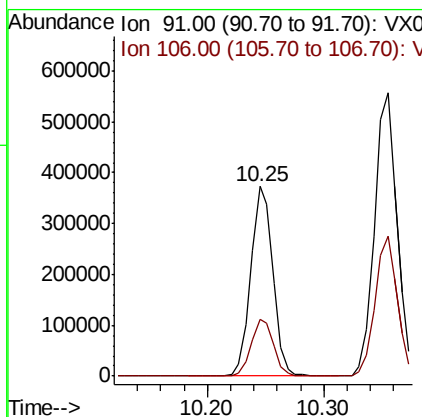
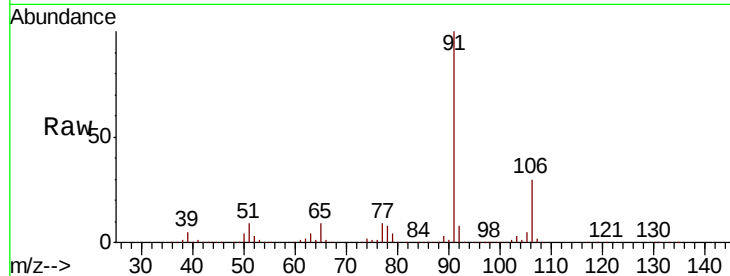
#67
Ethyl Benzene
Concen: 52.050 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 493576
Ion Ratio Lower Upper
91 100
106 30.1 23.9 35.9

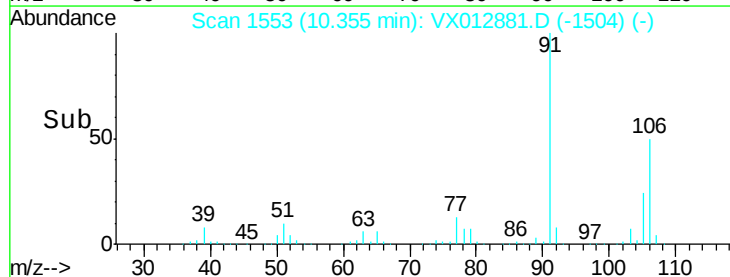
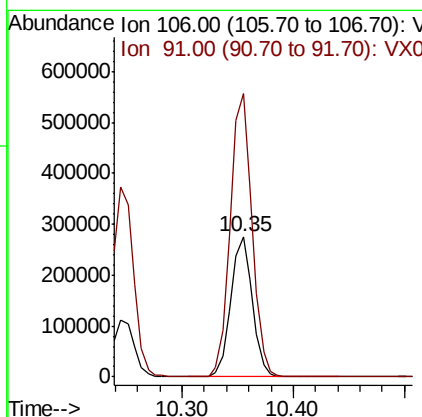
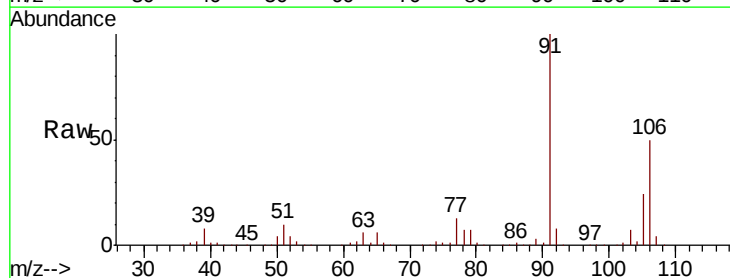
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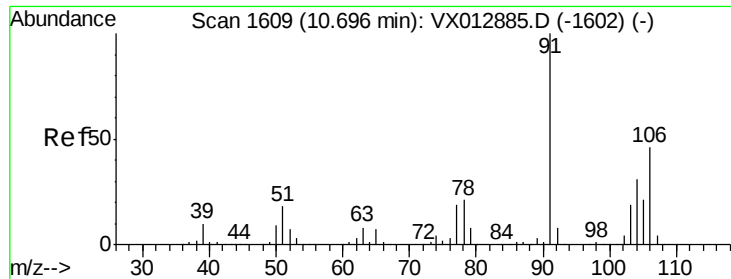
MMDadoda
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#68
m/p-Xylenes
Concen: 103.436 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion: 106 Resp: 367118
Ion Ratio Lower Upper
106 100
91 205.0 165.3 247.9





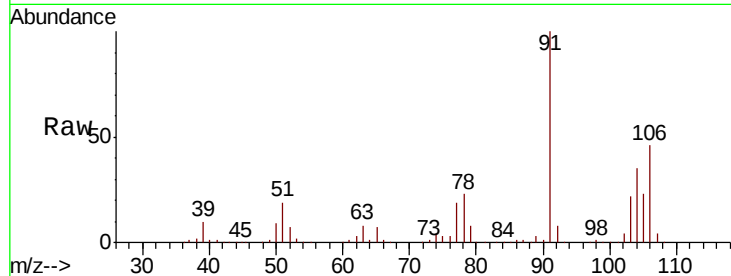
#69
o-Xylene
Concen: 51.722 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

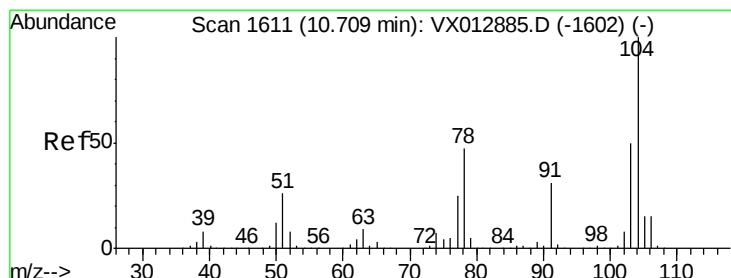
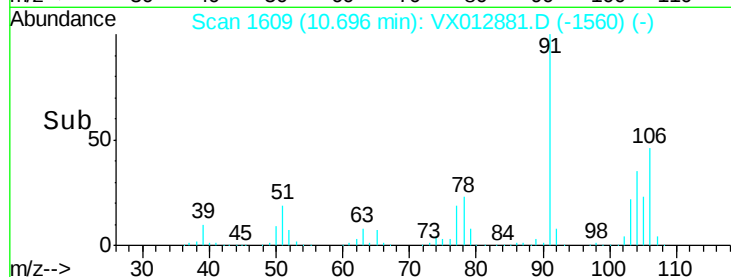
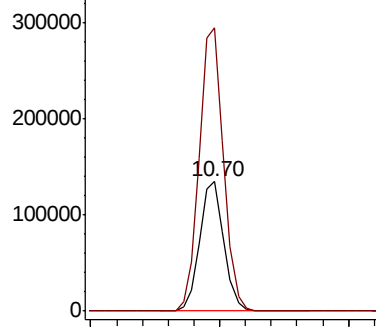
Tot Ion:106 Resp: 177894
Ion Ratio Lower Upper
106 100
91 219.5 109.1 327.3

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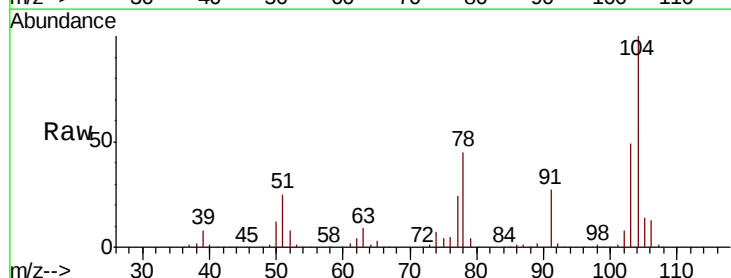


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

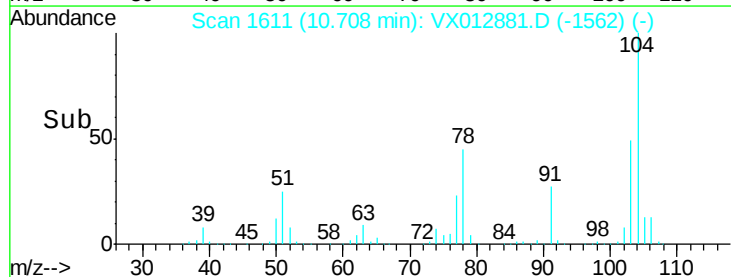
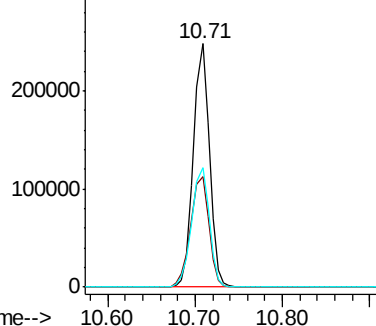


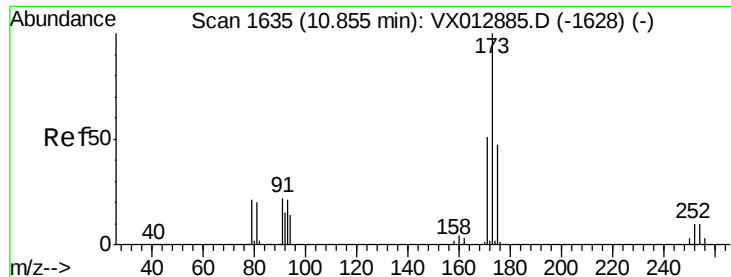
#70
Styrene
Concen: 54.538 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion:104 Resp: 314753
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 54.2 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 55.869 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 74141

Ion Ratio Lower Upper

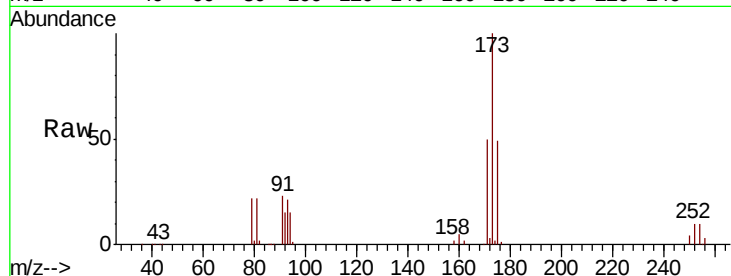
173 100

175 48.5 24.1 72.3

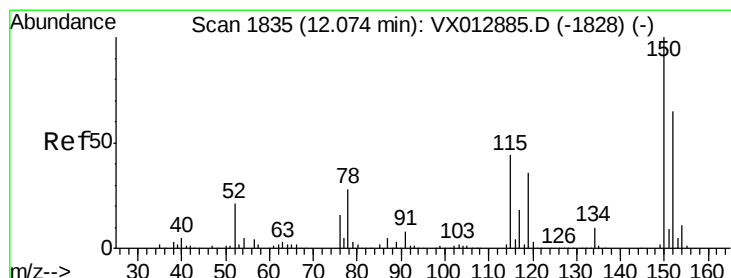
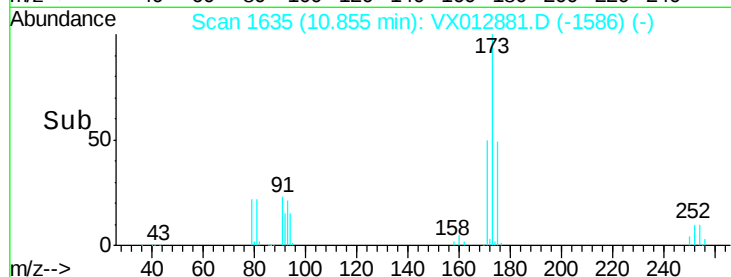
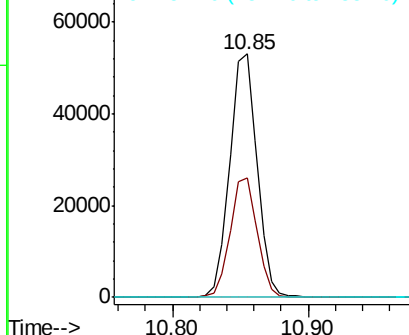
254 0.2 0.1 0.1#

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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: VX012881.D

Acq: 08 Oct 2019 10:31

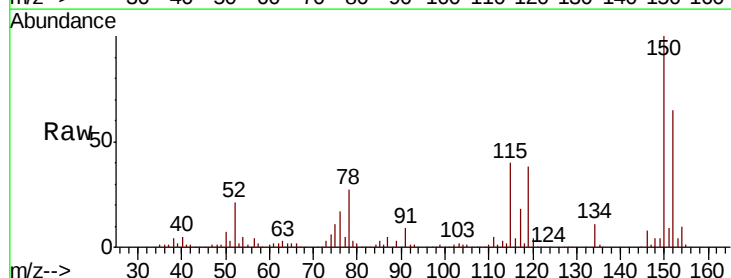
Tgt Ion:152 Resp: 123351

Ion Ratio Lower Upper

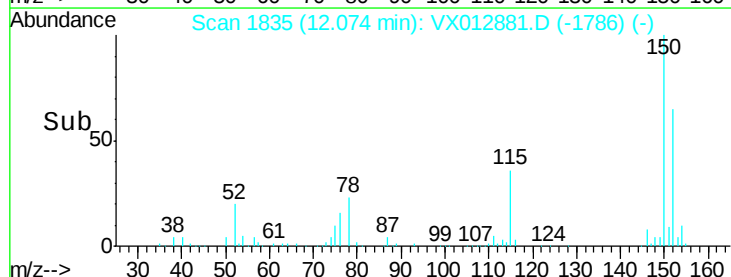
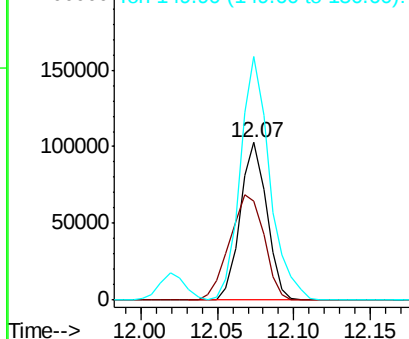
152 100

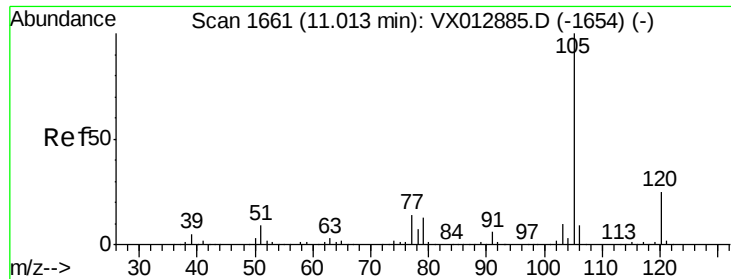
115 86.9 44.5 133.5

150 172.0 0.0 353.4



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: 48.298 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 485553

Ion Ratio Lower Upper

105 100

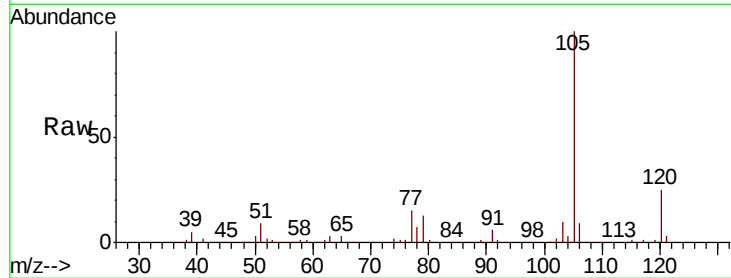
120 25.8 13.0 39.0

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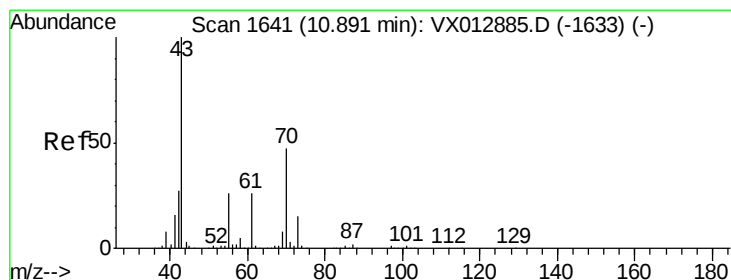
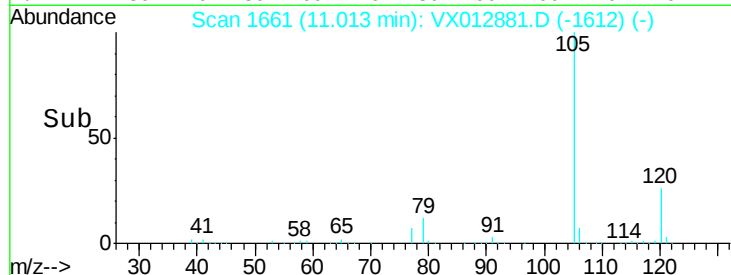
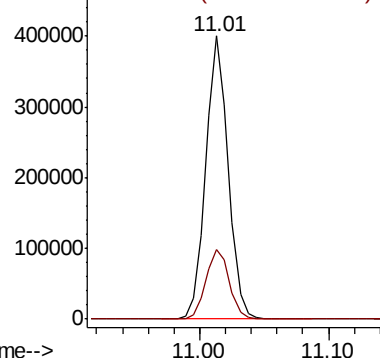
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.217 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion: 43 Resp: 218025

Ion Ratio Lower Upper

43 100

70 44.9 36.4 54.6

55 24.1 20.2 30.2

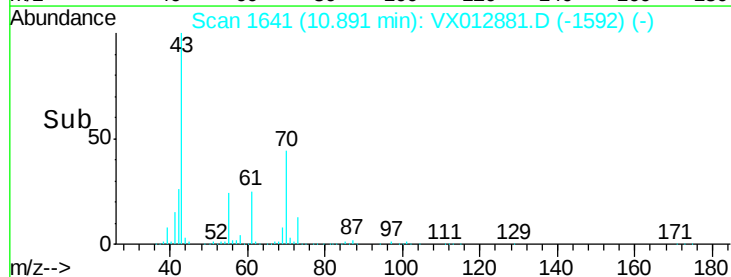
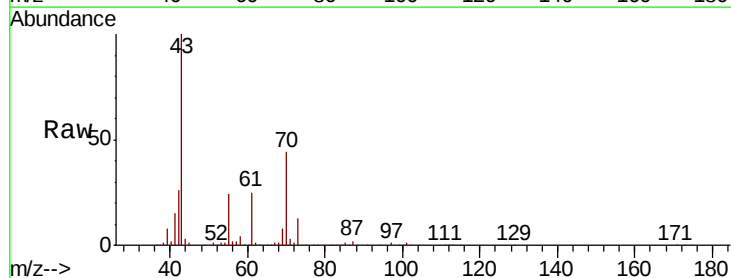
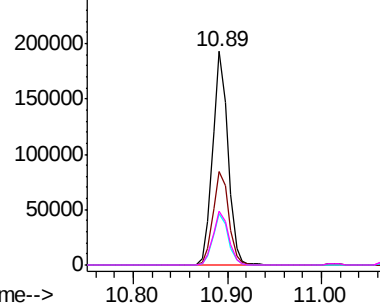
61 25.5 20.5 30.7

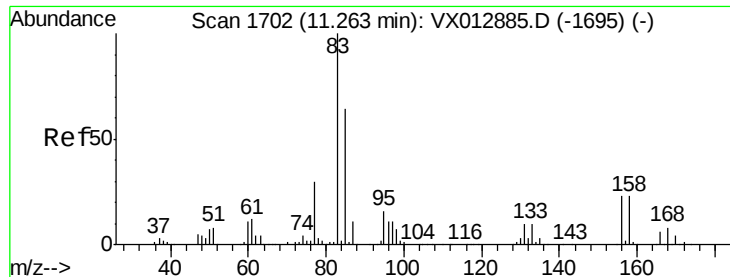
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.430 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

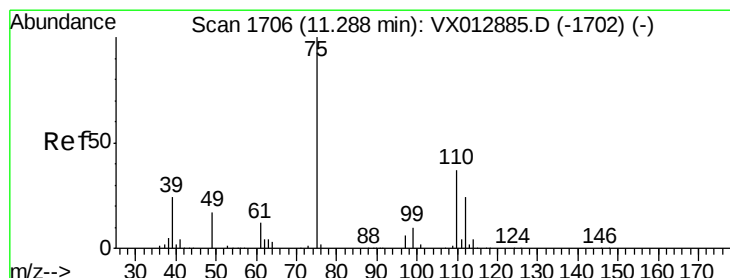
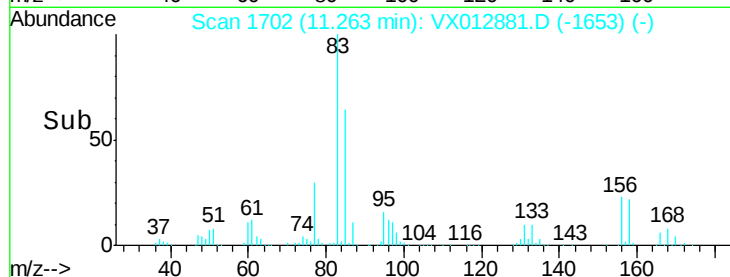
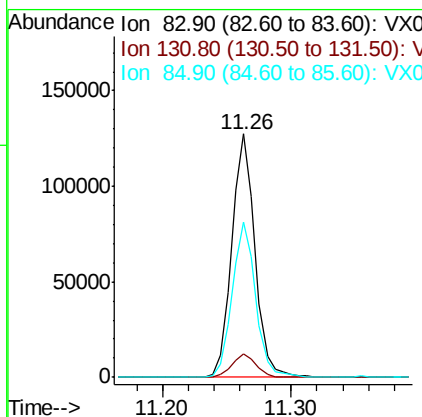
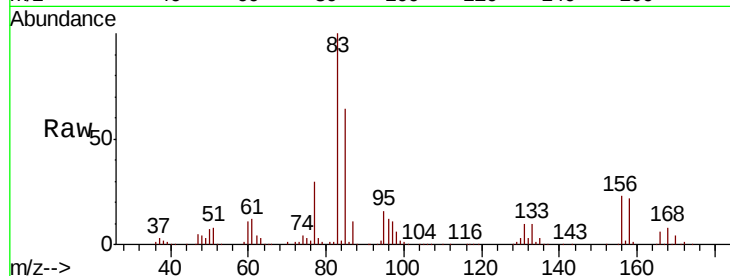
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	160308
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	64.5	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.729 ug/l m

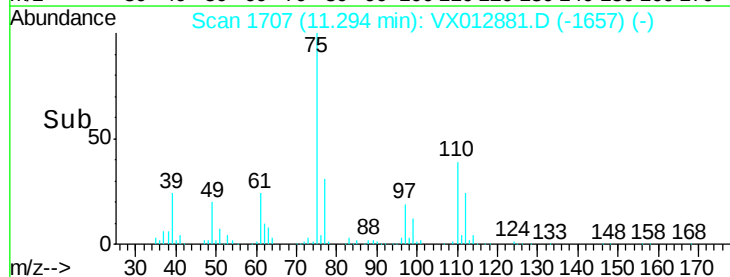
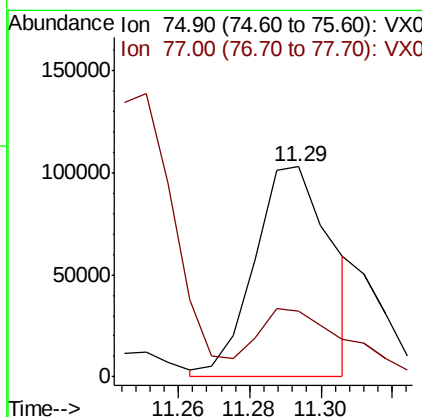
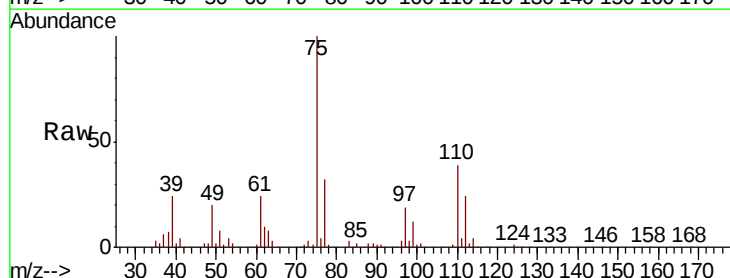
RT: 11.29 min Scan# 1707

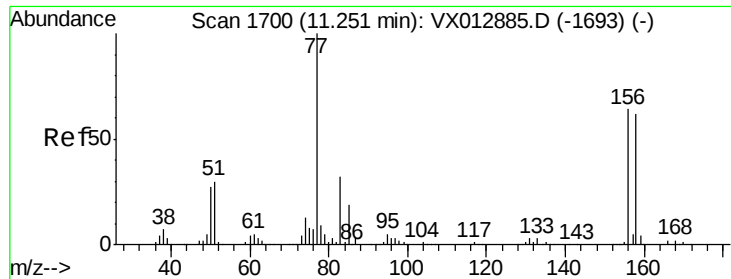
Delta R.T. 0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion:	75	Resp:	153764
Ion Ratio	Lower	Upper	
75	100		
77	37.8	22.9	68.8





#77

Bromobenzene

Concen: 48.863 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

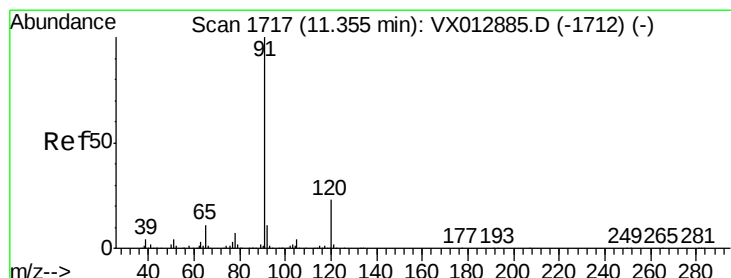
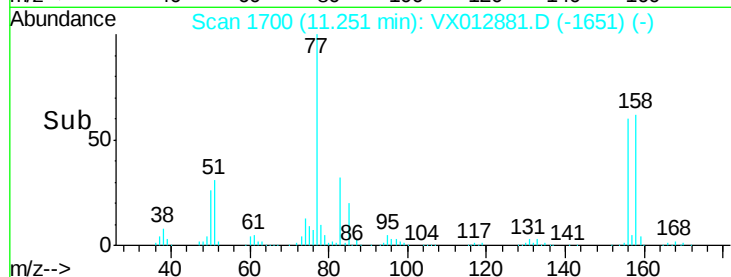
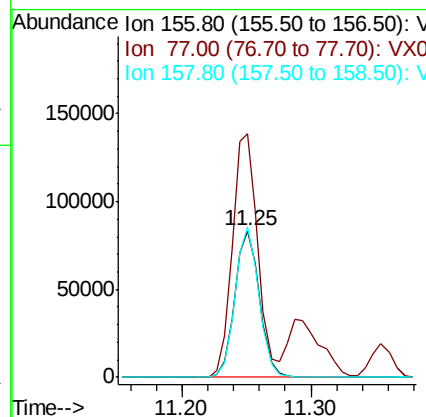
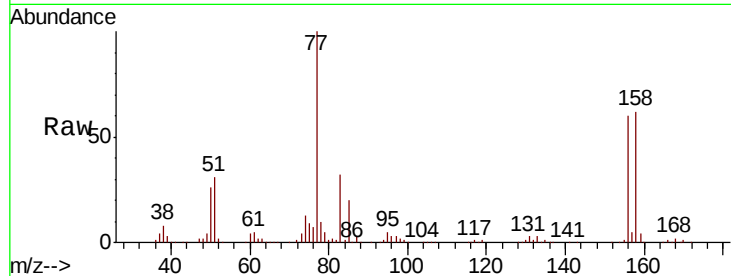
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	172.5	83.7	251.0		
158	98.6	48.6	145.9		

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#78

n-propylbenzene

Concen: 48.509 ug/l

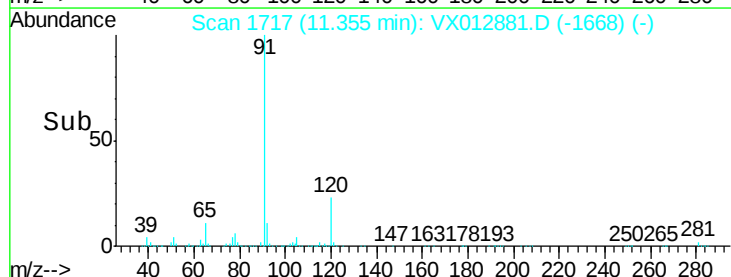
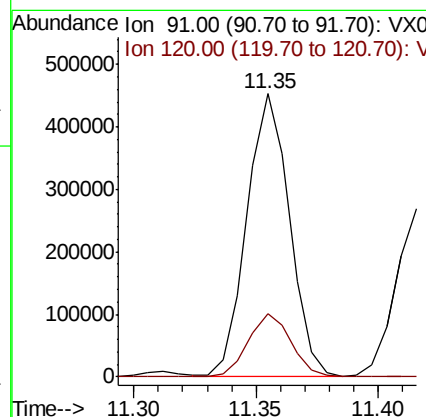
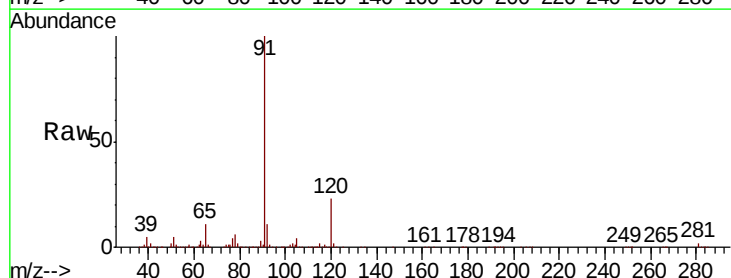
RT: 11.35 min Scan# 1717

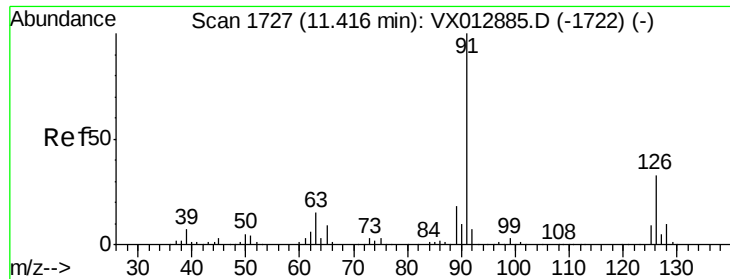
Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.5	11.7	35.1		





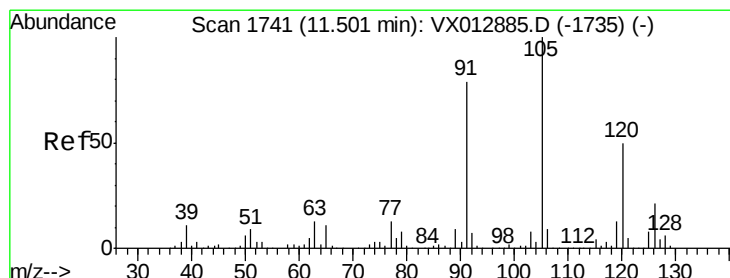
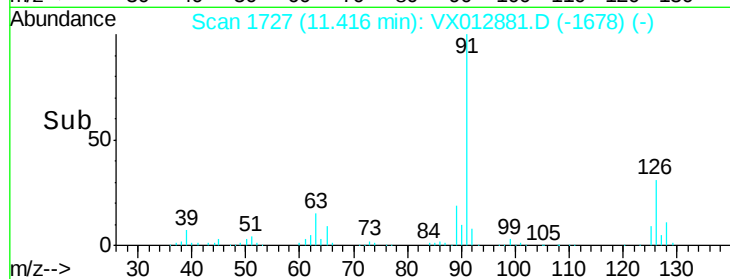
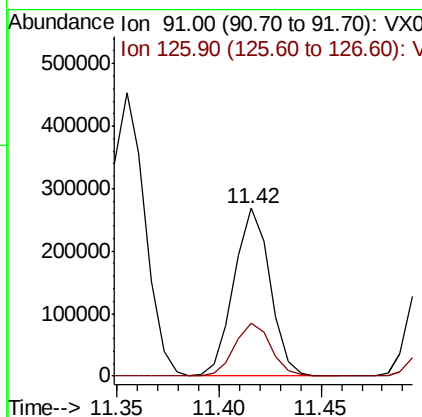
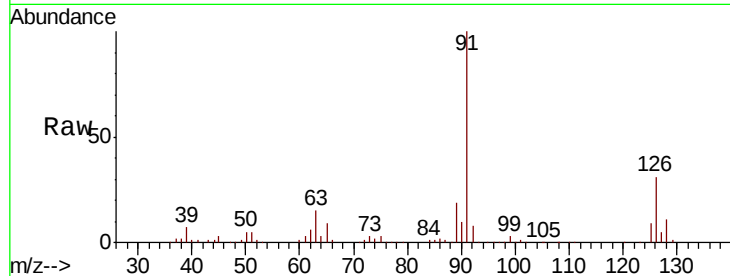
#79
 2-Chlorotoluene
 Concen: 46.767 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 329215
 Ion Ratio Lower Upper
 91 100
 126 31.8 16.3 48.8

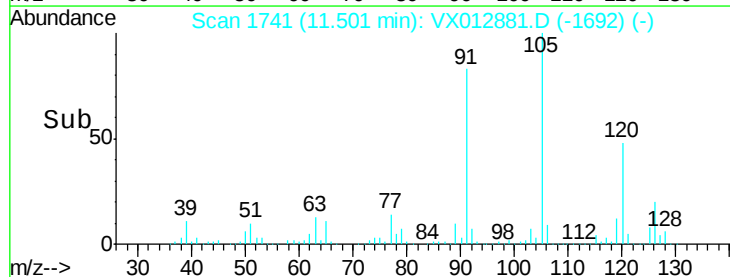
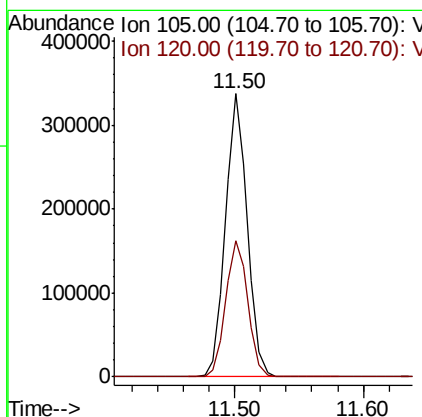
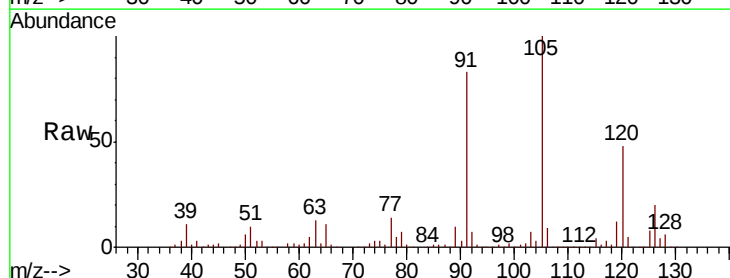
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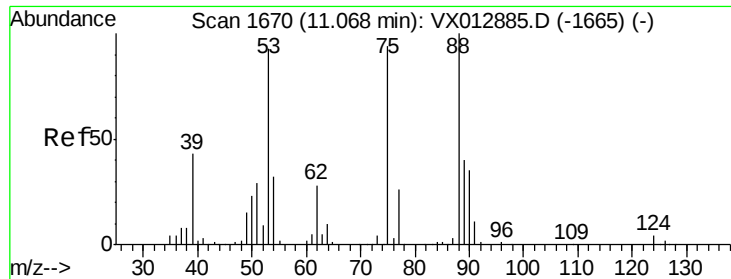
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.636 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion: 105 Resp: 401329
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.3





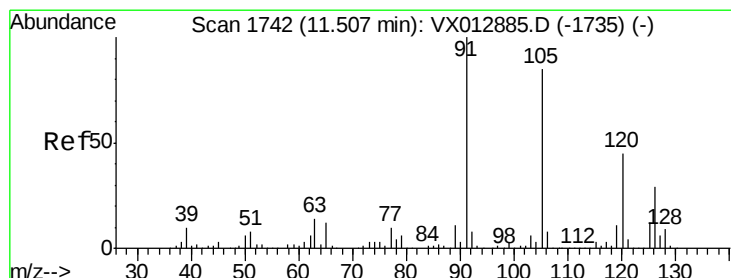
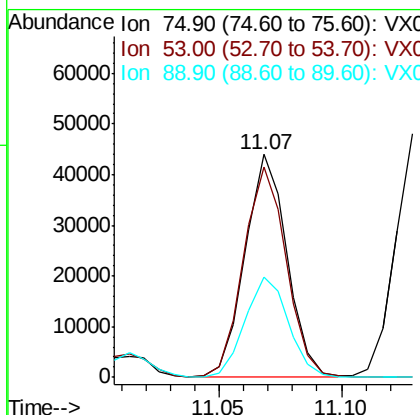
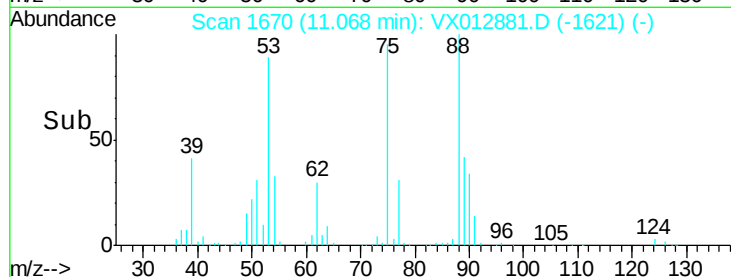
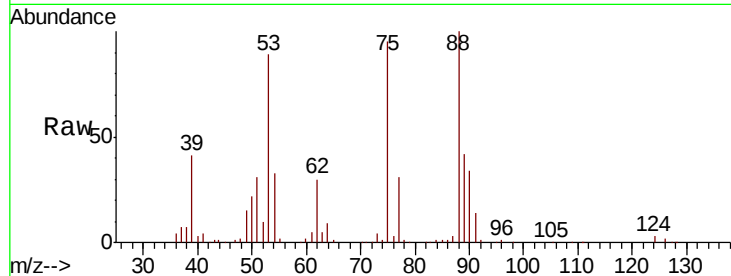
#81
trans-1,4-Dichloro-2-butene
Concen: 46.402 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.5	117.7
89	47.0	37.4	56.2

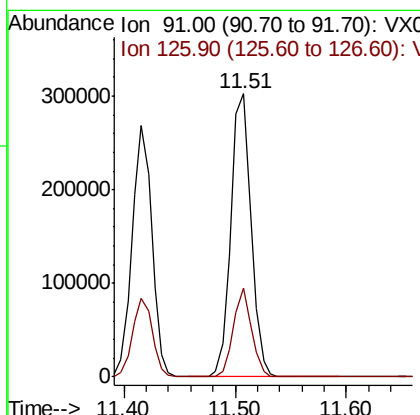
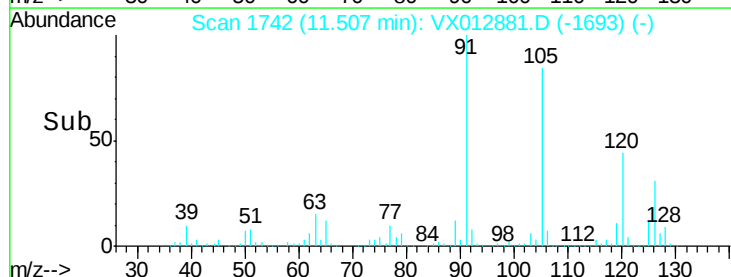
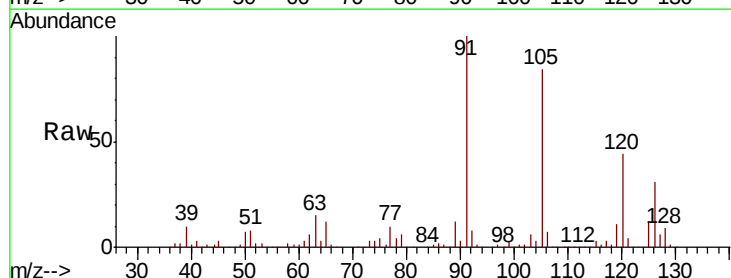
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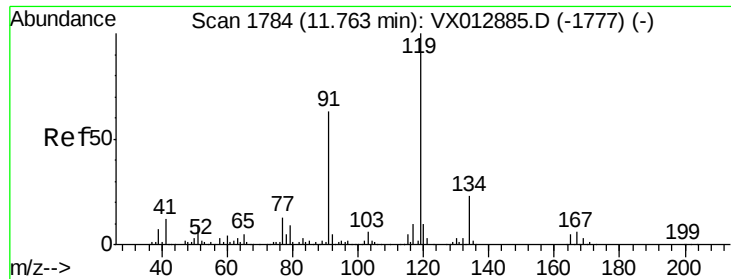
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#82
4-Chlorotoluene
Concen: 47.353 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6





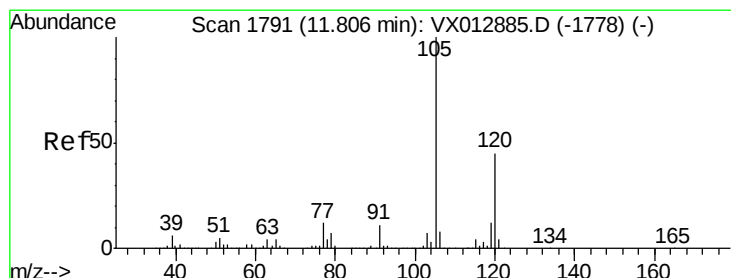
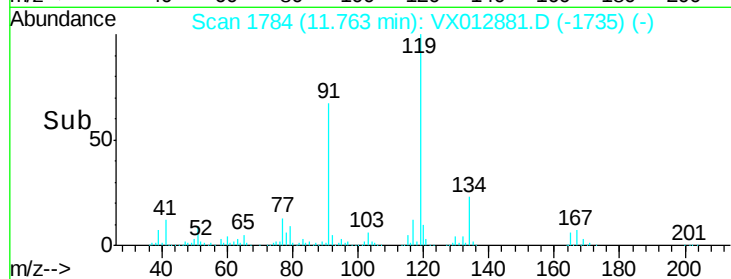
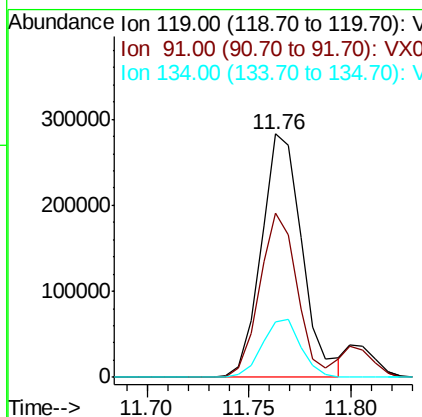
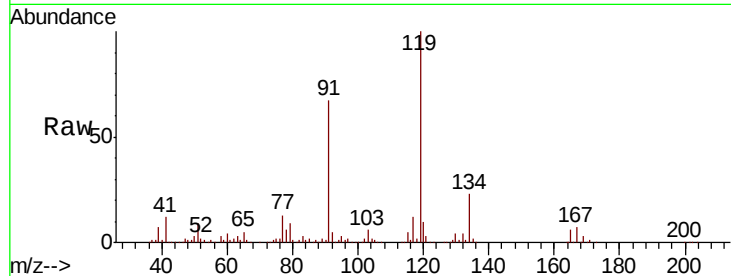
#83
tert-Butylbenzene
Concen: 48.136 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	392809		
91	61.9	29.3	87.9	
134	22.6	11.5	34.4	

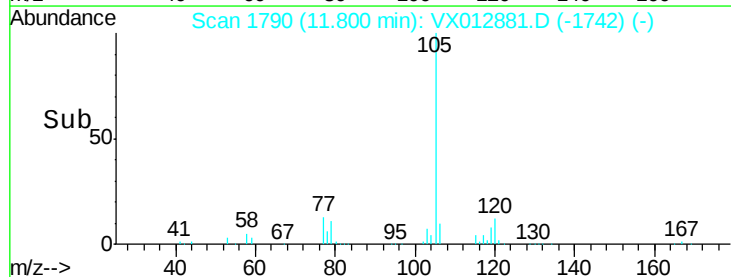
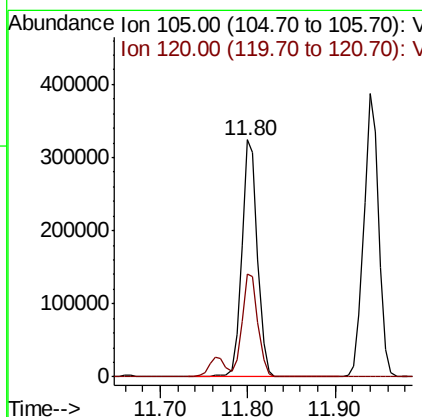
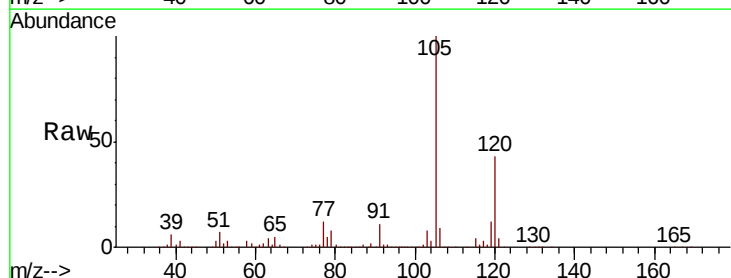
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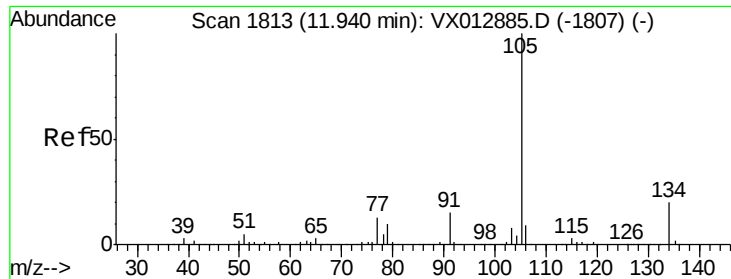
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#84
1,2,4-Trimethylbenzene
Concen: 47.326 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	403040		
120	43.5	21.8	65.3	





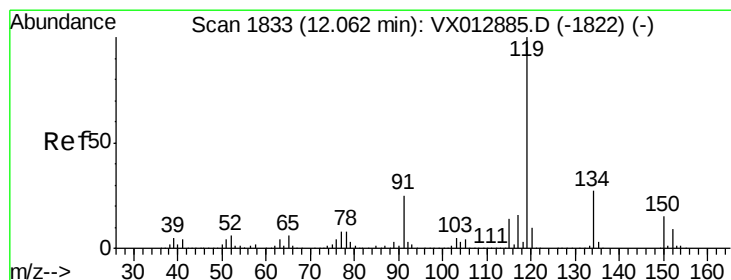
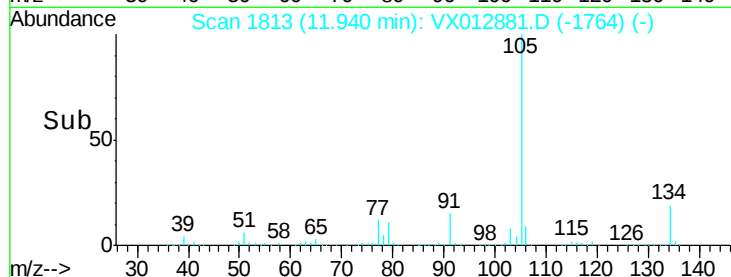
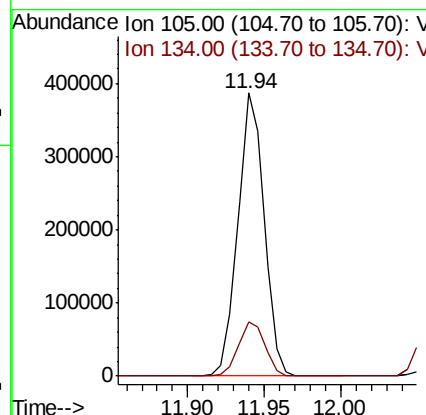
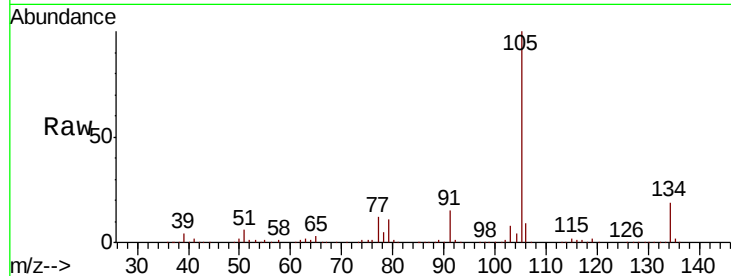
#85
 sec-Butylbenzene
 Concen: 48.524 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 460258
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 30.0

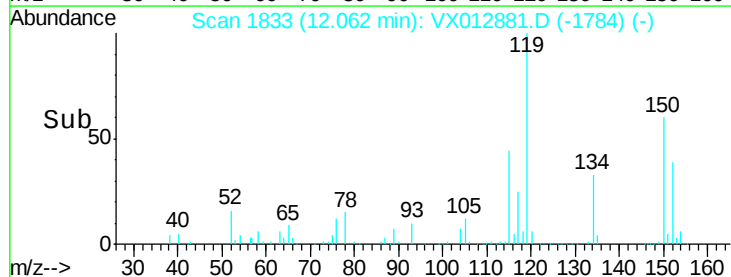
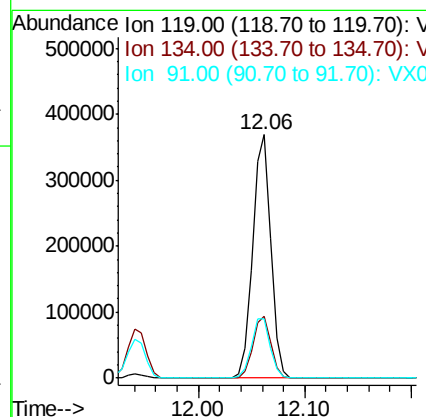
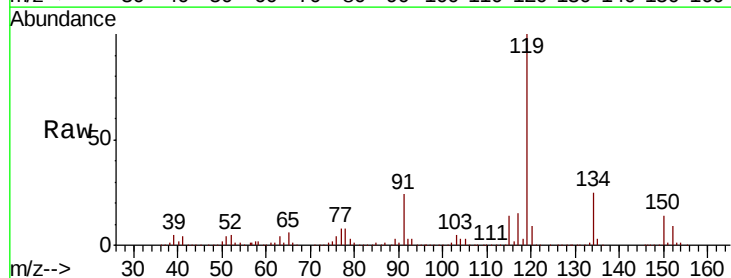
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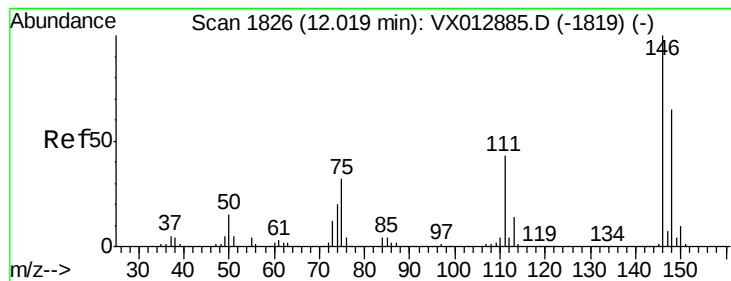
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#86
 p-Isopropyltoluene
 Concen: 51.402 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion:119 Resp: 439554
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.6 37.8
 91 25.3 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 50.267 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

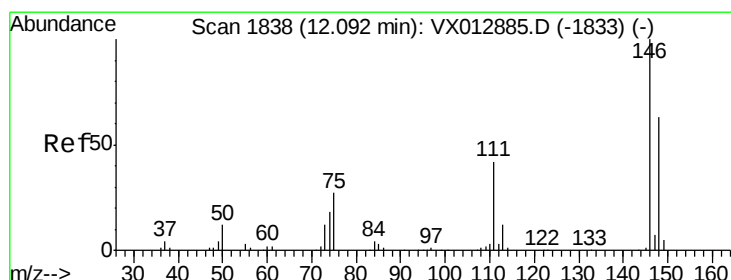
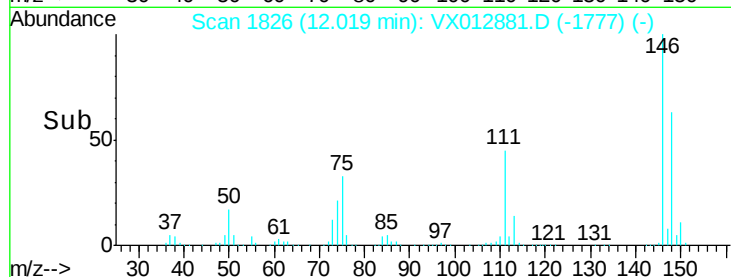
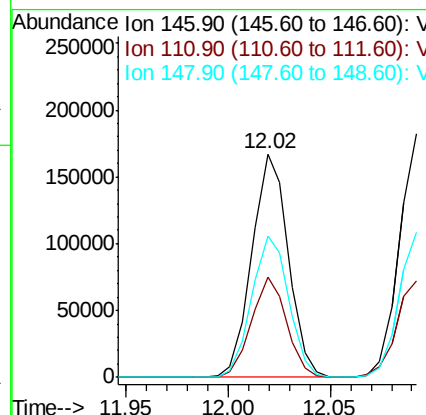
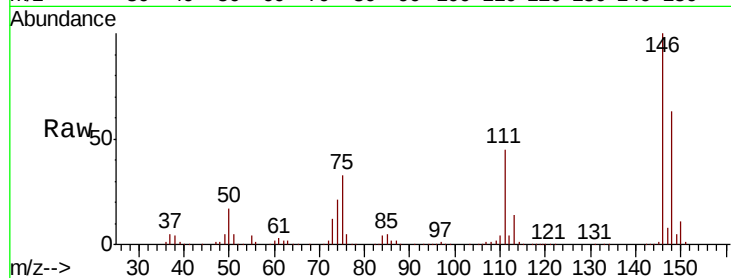
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	207336
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.1	63.4
148	64.6	31.6	95.0

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#88

1,4-Dichlorobenzene

Concen: 51.714 ug/l

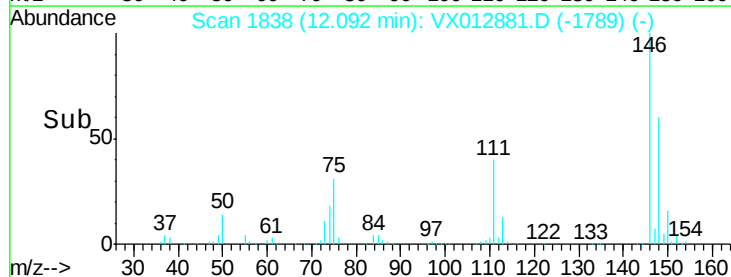
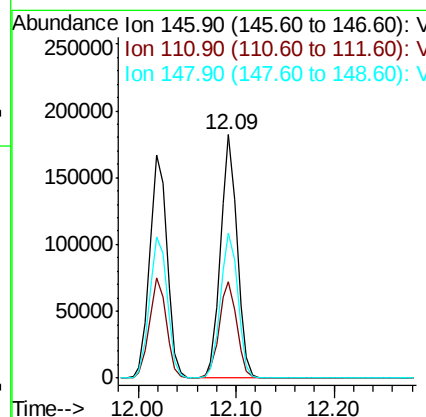
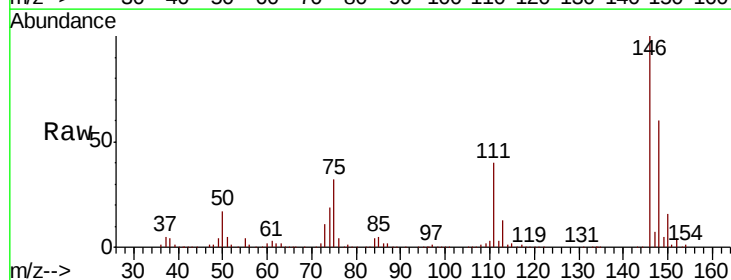
RT: 12.09 min Scan# 1838

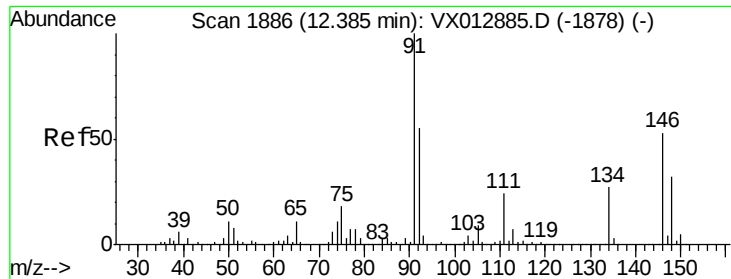
Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion:	146	Resp:	214716
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.4	64.3
148	62.6	32.1	96.5





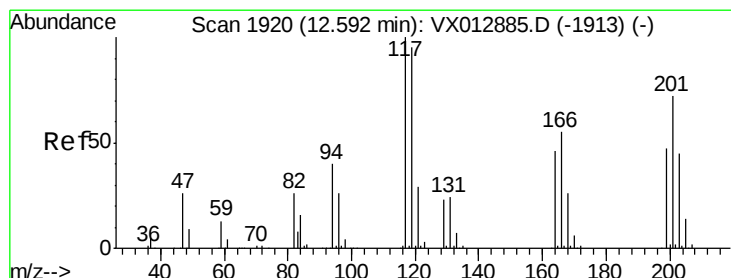
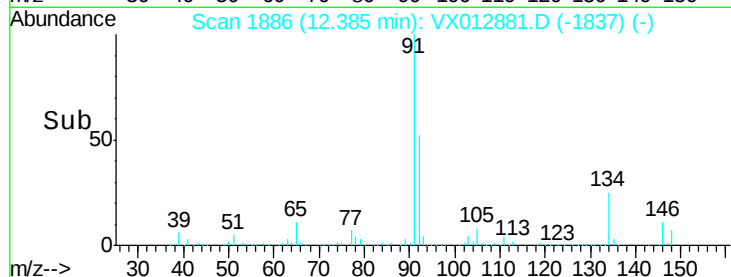
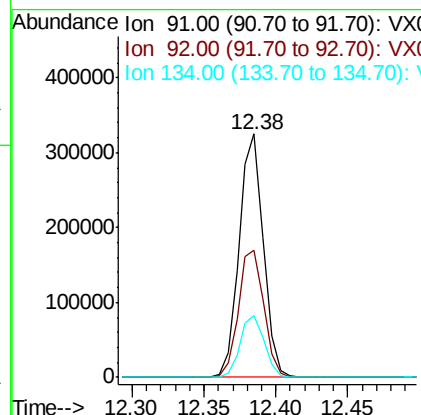
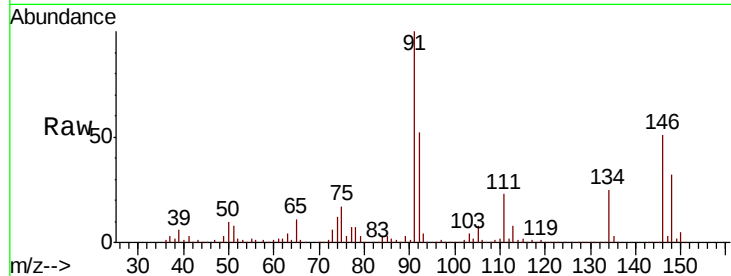
#89
n-Butylbenzene
Concen: 50.881 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	381778		
92	55.0		27.5	82.5
134	25.7		12.9	38.7

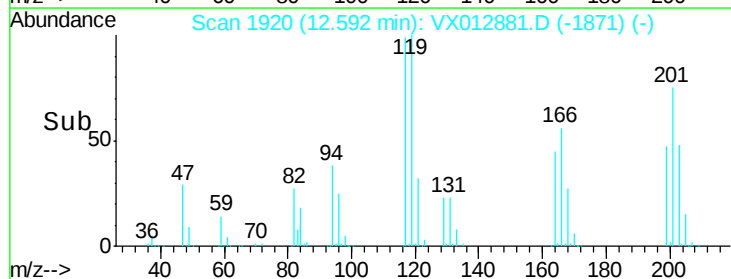
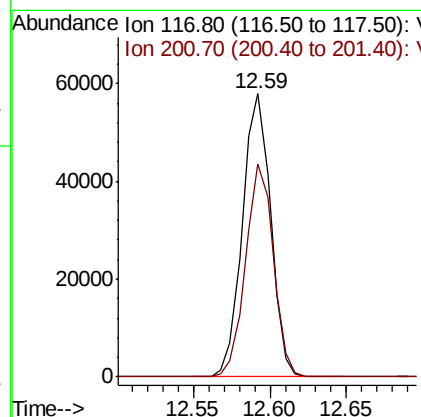
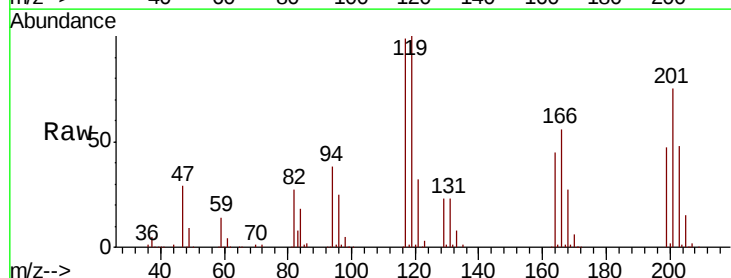
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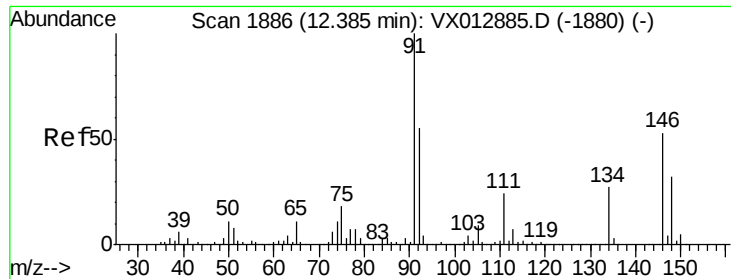
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#90
Hexachloroethane
Concen: 48.825 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	74000		
201	74.2		36.9	110.7





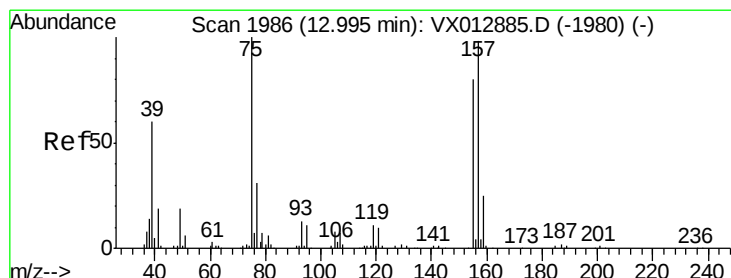
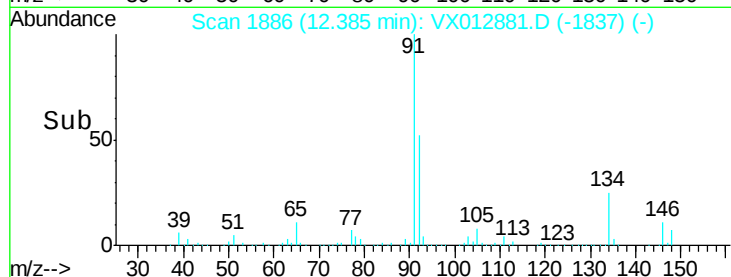
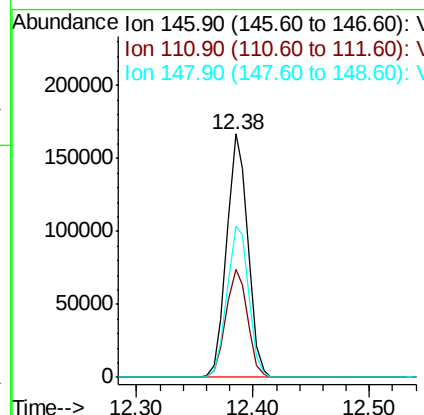
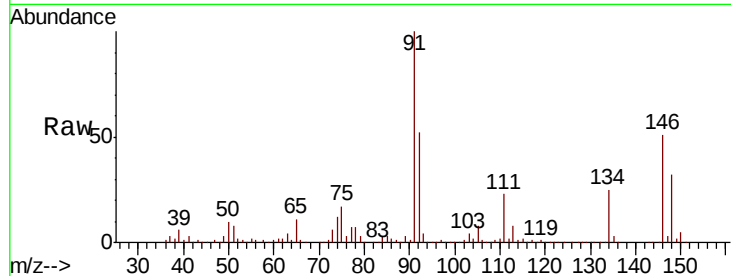
#91
 1,2-Dichlorobenzene
 Concen: 50.656 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.7	68.0
148	63.8	31.6	94.7

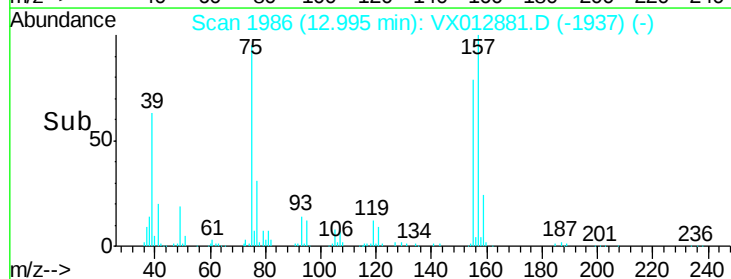
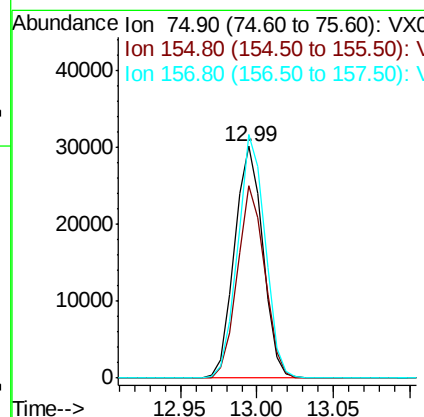
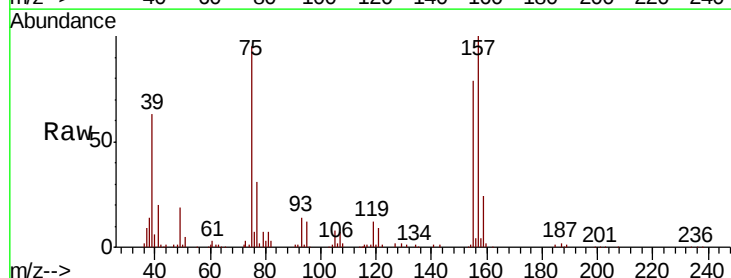
Manual Integrations
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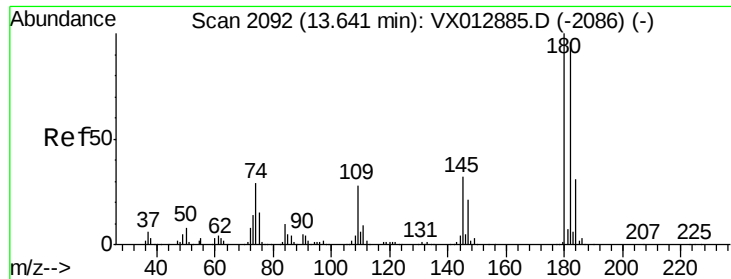
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.167 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012881.D
 Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	43.0	128.8
157	101.3	54.1	162.3





#93

1,2,4-Trichlorobenzene

Concen: 53.592 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Instrument :

MSVOA_X

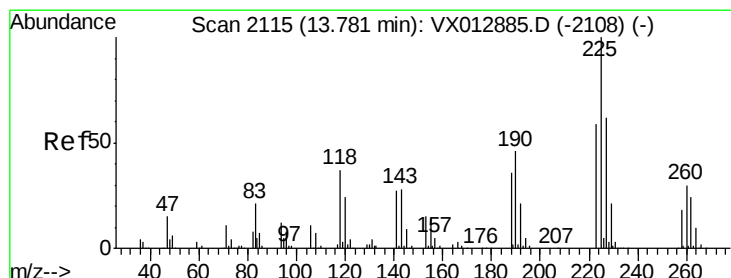
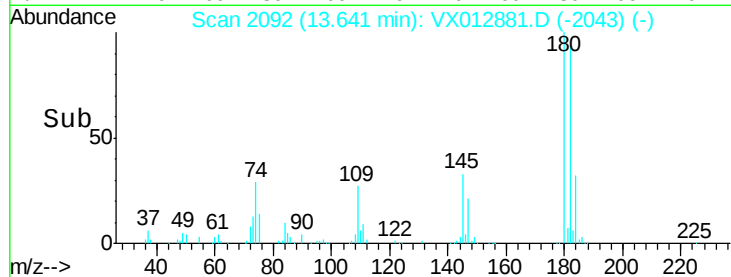
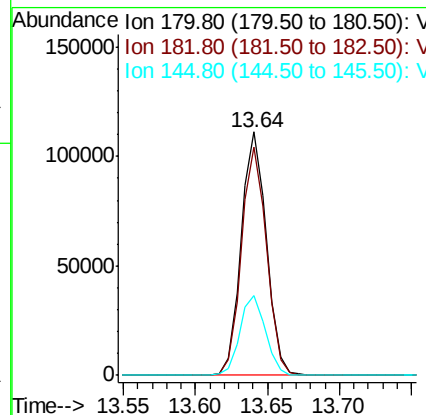
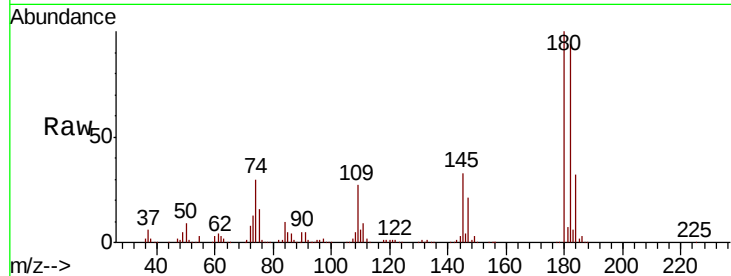
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	135322
Ion Ratio	Lower	Upper	
180	100		
182	93.4	46.8	140.4
145	33.3	16.2	48.6

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:37:19 AM



#94

Hexachlorobutadiene

Concen: 57.166 ug/l

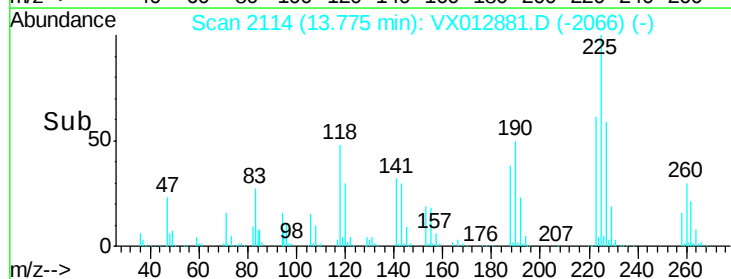
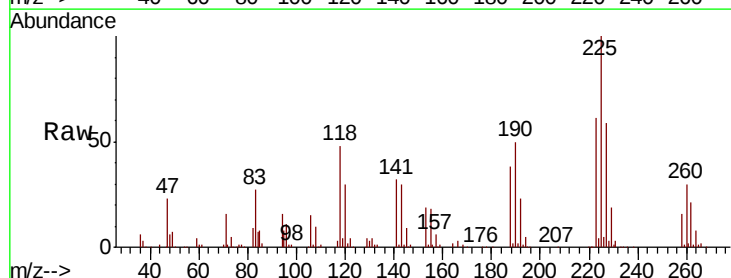
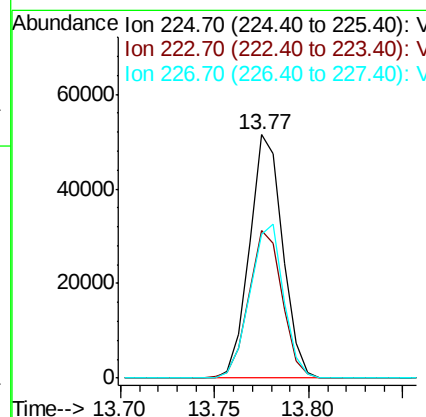
RT: 13.77 min Scan# 2114

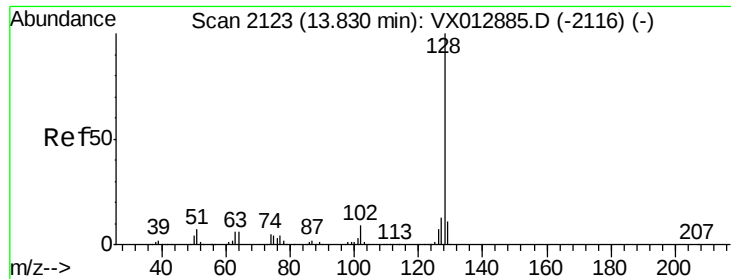
Delta R.T. -0.01 min

Lab File: VX012881.D

Acq: 08 Oct 2019 10:31

Tgt Ion:	225	Resp:	62656
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.1	93.2
227	64.2	32.3	96.9





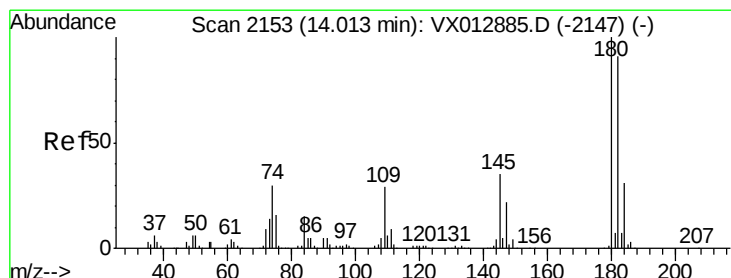
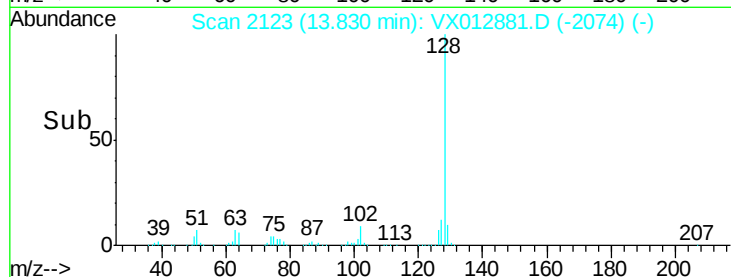
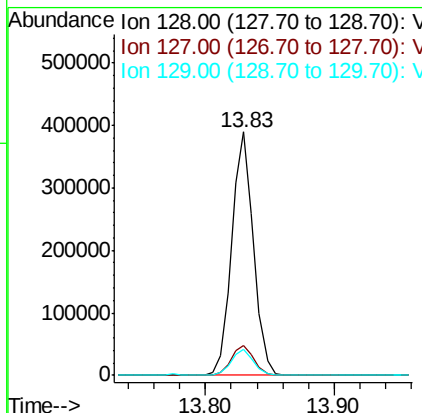
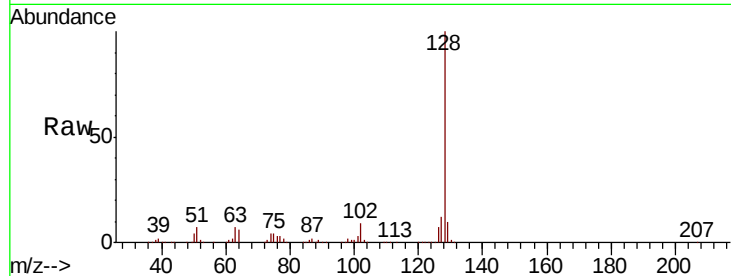
#95
Naphthalene
Concen: 50.729 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:37:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.147 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012881.D
Acq: 08 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.5
145	35.9	17.4	52.3

