

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012902.D
 Acq On : 08 Oct 2019 20:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:36:14 AM

Quant Time: Oct 09 03:30:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	316432	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	282669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	133903	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	115751	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	5.48	113	89803	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	8.71	98	347913	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.14	95	129928	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	96831	51.343	ug/l	99
3) Chloromethane	1.32	50	100753	49.088	ug/l	98
4) Vinyl Chloride	1.40	62	103322	48.771	ug/l	98
5) Bromomethane	1.63	94	40843	46.379	ug/l	100
6) Chloroethane	1.71	64	66936	51.713	ug/l	99
7) Trichlorofluoromethane	1.92	101	147074	51.436	ug/l	100
8) Diethyl Ether	2.18	74	56809	49.221	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	93344	50.441	ug/l	99
10) Methyl Iodide	2.50	142	92677	44.795	ug/l	100
11) Tert butyl alcohol	3.03	59	144629	235.924	ug/l	100
12) 1,1-Dichloroethene	2.36	96	93315	49.908	ug/l	96
13) Acrolein	2.28	56	95214	218.553	ug/l	99
14) Allyl chloride	2.72	41	168449	50.589	ug/l	99
15) Acrylonitrile	3.13	53	293964	253.037	ug/l	99
16) Acetone	2.44	43	251230	206.106	ug/l	98
17) Carbon Disulfide	2.56	76	254468	47.730	ug/l	99
18) Methyl Acetate	2.76	43	141211	48.875	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	330017	51.111	ug/l	99
20) Methylene Chloride	2.84	84	104415	46.610	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	100132	49.966	ug/l	98
22) Diisopropyl ether	3.84	45	327220	51.285	ug/l	94
23) Vinyl Acetate	3.80	43	1434713	260.476	ug/l	99
24) 1,1-Dichloroethane	3.69	63	181021	50.431	ug/l	100
25) 2-Butanone	4.66	43	405862	239.998	ug/l	98
26) 2,2-Dichloropropane	4.57	77	138401	45.852	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	115214	49.876	ug/l	98
28) Bromochloromethane	5.00	49	54783	51.079	ug/l	99
29) Tetrahydrofuran	5.11	42	261371	251.161	ug/l	99
30) Chloroform	5.20	83	181894	49.386	ug/l	98
31) Cyclohexane	5.57	56	168685	50.258	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	161182	51.649	ug/l	100
36) 1,1-Dichloropropene	5.79	75	138364	49.734	ug/l	99
37) Ethyl Acetate	4.82	43	154777	49.753	ug/l	100
38) Carbon Tetrachloride	5.78	117	137253	50.686	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	174175	51.624	ug/l	99
40) Benzene	6.14	78	414442	50.438	ug/l	99
41) Methacrylonitrile	5.03	41	85398	49.958	ug/l	99
42) 1,2-Dichloroethane	6.19	62	148350	50.314	ug/l	100
43) Isopropyl Acetate	6.43	43	253118	50.694	ug/l	99
44) Trichloroethene	7.20	130	107910	47.359	ug/l	93
45) 1,2-Dichloropropane	7.51	63	105016	50.146	ug/l	100
46) Dibromomethane	7.65	93	70771	50.721	ug/l	99
47) Bromodichloromethane	7.89	83	144015	52.890	ug/l	97
48) Methyl methacrylate	7.76	41	124454	51.148	ug/l	99
49) 1,4-Dioxane	7.73	88	61152	938.759	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	782968	251.508	ug/l	99
52) Toluene	8.78	92	265396	50.486	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	155684	45.996	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	171575	51.232	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	105519	50.722	ug/l	98
56) Ethyl methacrylate	9.17	69	173254	46.636	ug/l	99
57) 1,3-Dichloropropane	9.37	76	180667	50.204	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	395932	259.071	ug/l	99
59) 2-Hexanone	9.48	43	600972	247.993	ug/l	100
60) Dibromochloromethane	9.58	129	106125	45.995	ug/l	98
61) 1,2-Dibromoethane	9.67	107	110753	50.608	ug/l	99
64) Tetrachloroethene	9.33	164	96342	49.139	ug/l	95
65) Chlorobenzene	10.14	112	275812	49.135	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	100224	51.495	ug/l	99
67) Ethyl Benzene	10.25	91	507079	50.856	ug/l	99
68) m/p-Xylenes	10.36	106	381439	102.401	ug/l	100
69) o-Xylene	10.70	106	185486	51.063	ug/l	99
70) Styrene	10.71	104	320797	51.948	ug/l	99
71) Bromoform	10.85	173	75563	45.851	ug/l #	99
73) Isopropylbenzene	11.01	105	494995	50.280	ug/l	99
74) N-amyl acetate	10.89	43	221027	52.130	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	163002	49.781	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	128928m	43.411	ug/l	
77) Bromobenzene	11.25	156	112447	48.471	ug/l	98
78) n-propylbenzene	11.35	91	554091	51.149	ug/l	98
79) 2-Chlorotoluene	11.42	91	332288	48.807	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	417885	50.835	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	50428	44.180	ug/l	98
82) 4-Chlorotoluene	11.51	91	392848	50.343	ug/l	99
83) tert-Butylbenzene	11.77	119	402618	50.208	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	411442	49.420	ug/l	98
85) sec-Butylbenzene	11.94	105	472413	50.850	ug/l	99
86) p-Isopropyltoluene	12.06	119	429576	49.857	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	209647	48.664	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	207825	47.633	ug/l	99
89) n-Butylbenzene	12.39	91	375009	51.786	ug/l	98
90) Hexachloroethane	12.59	117	73252	46.076	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	206191	48.820	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	39916	52.010	ug/l	96

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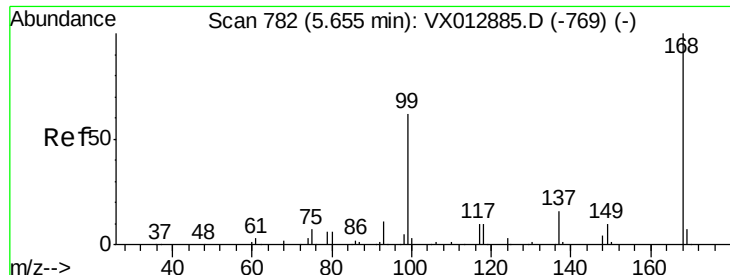
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	131116	49.559	ug/l	98
94) Hexachlorobutadiene	13.78	225	57055	46.729	ug/l	97
95) Naphthalene	13.83	128	476206	51.924	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	133472	48.819	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: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 185022

Ion Ratio Lower Upper

168 100

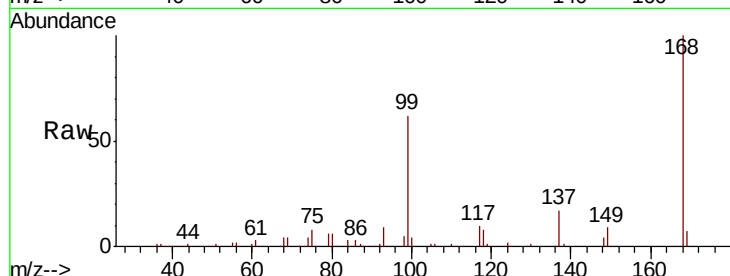
99 61.5 49.4 74.0

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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

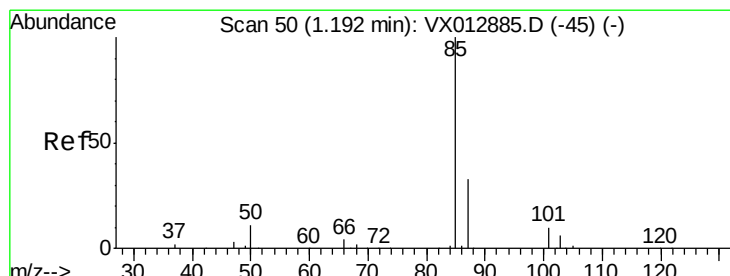
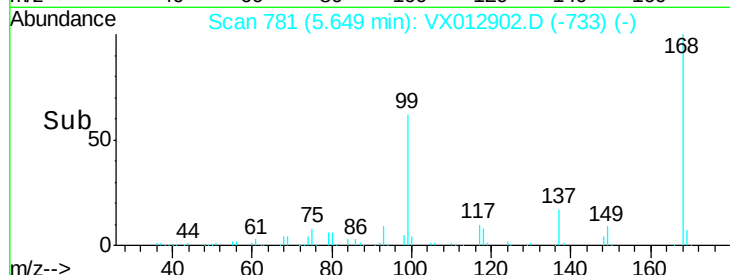
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 51.343 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012902.D

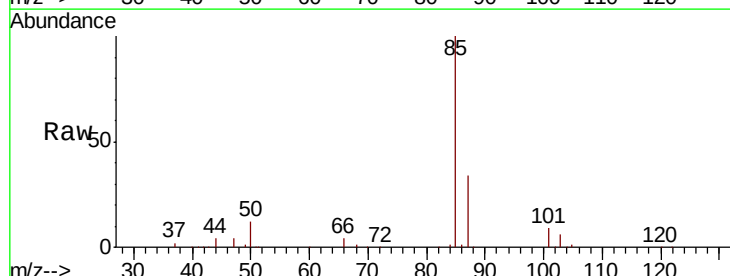
Acq: 08 Oct 2019 20:10

Tgt Ion: 85 Resp: 96831

Ion Ratio Lower Upper

85 100

87 33.5 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

100000

80000

60000

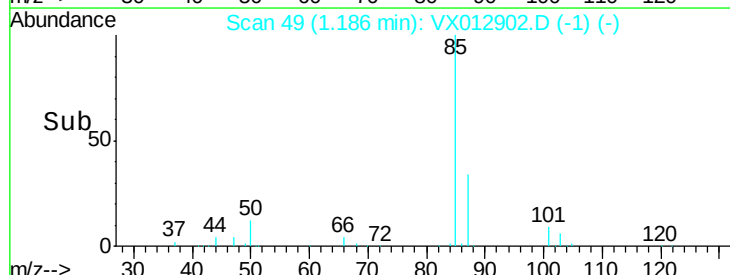
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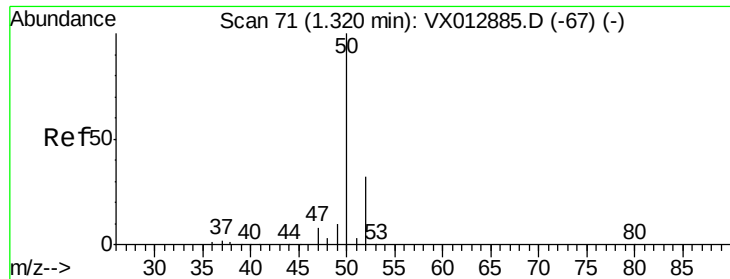
20000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 49.088 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 100753

Ion Ratio Lower Upper

50 100

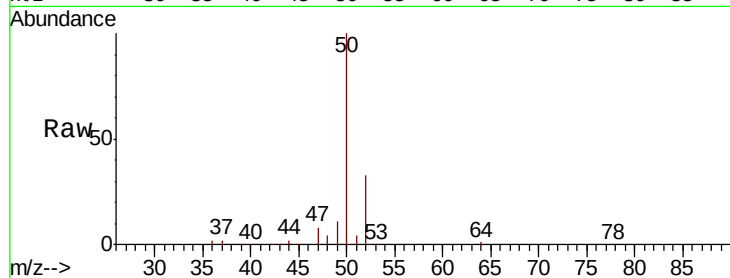
52 32.8 25.2 37.8

Manual Integrations

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10/9/2019 10:36:14 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

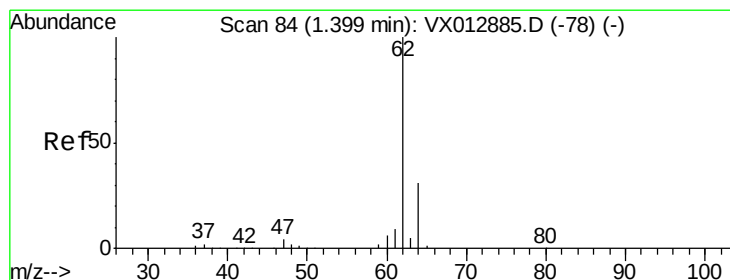
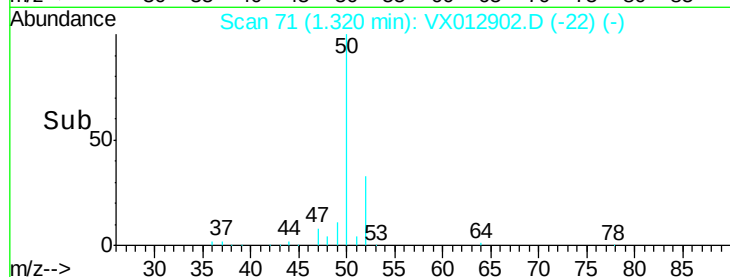
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 48.771 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012902.D

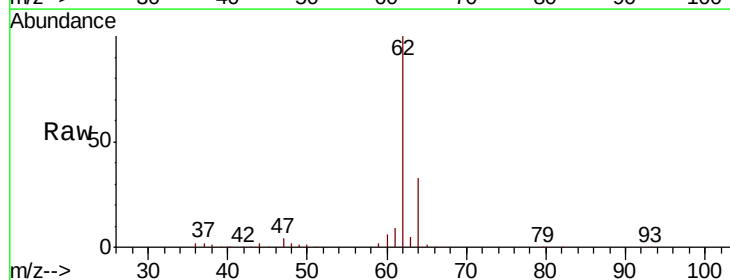
Acq: 08 Oct 2019 20:10

Tgt Ion: 62 Resp: 103322

Ion Ratio Lower Upper

62 100

64 32.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

120000

100000

80000

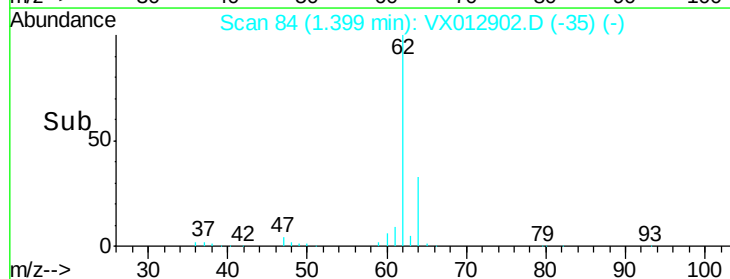
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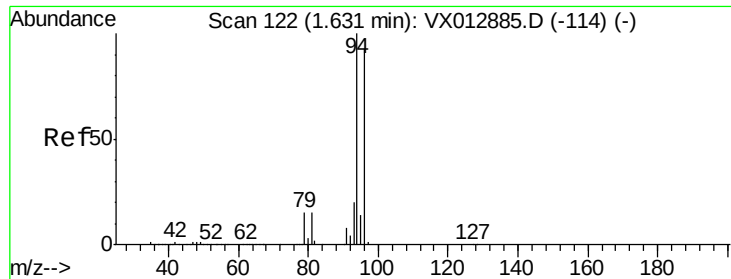
40000

20000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 46.379 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 40843

Ion Ratio Lower Upper

94 100

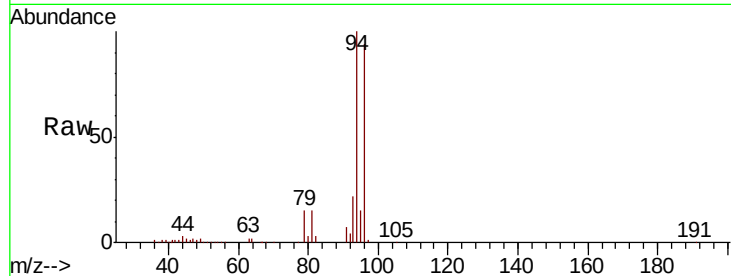
96 93.7 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

40000

30000

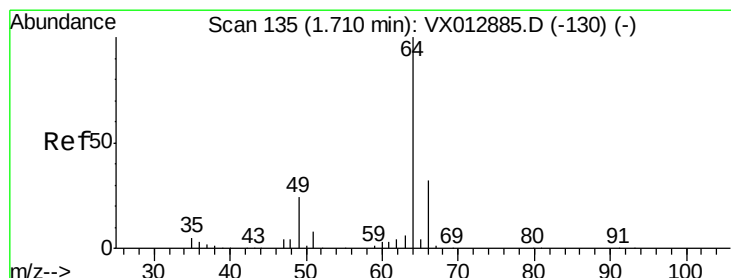
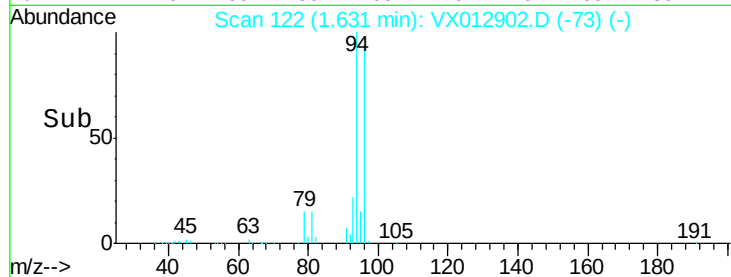
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 51.713 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012902.D

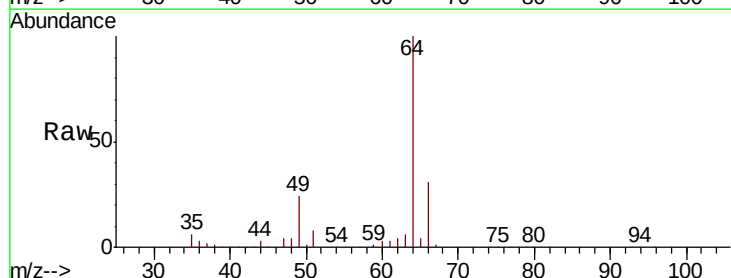
Acq: 08 Oct 2019 20:10

Tgt Ion: 64 Resp: 66936

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

30000

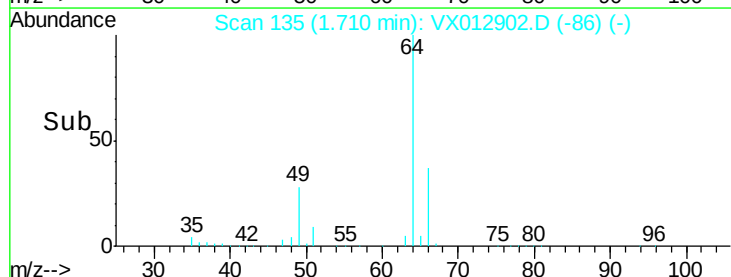
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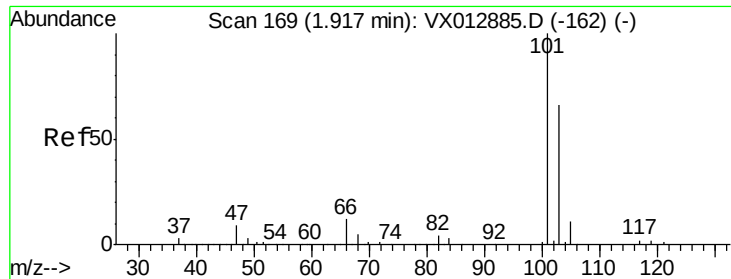
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0

Time-->

1.60 1.70 1.80





#7

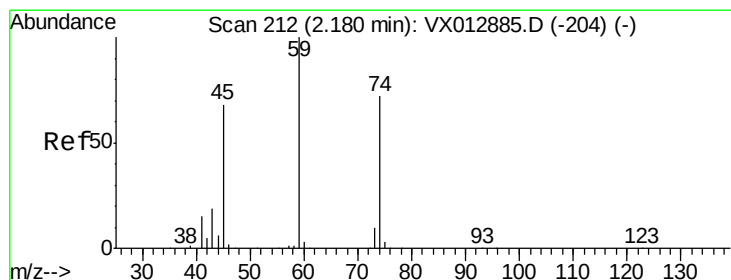
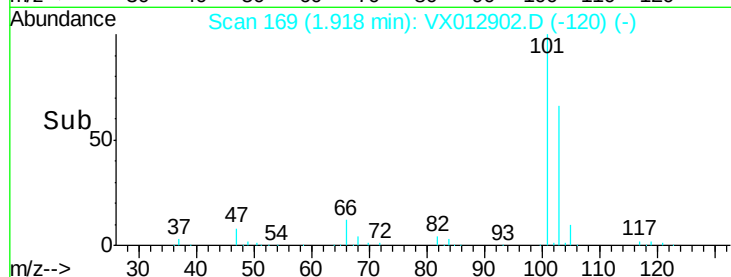
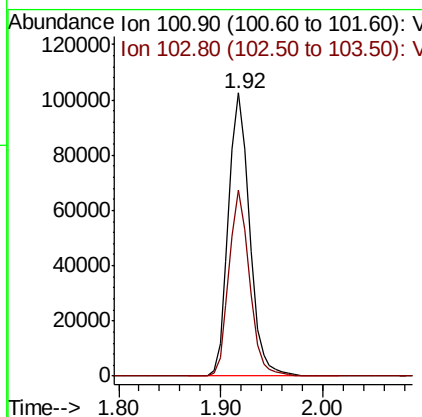
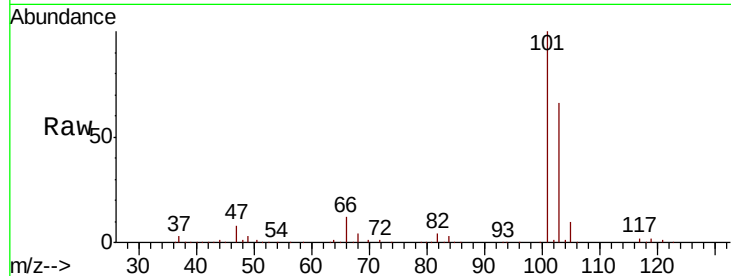
Trichlorofluoromethane
Concen: 51.436 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.5	78.7

Manual Integrations
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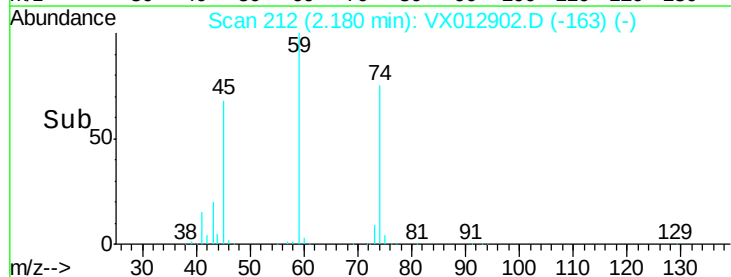
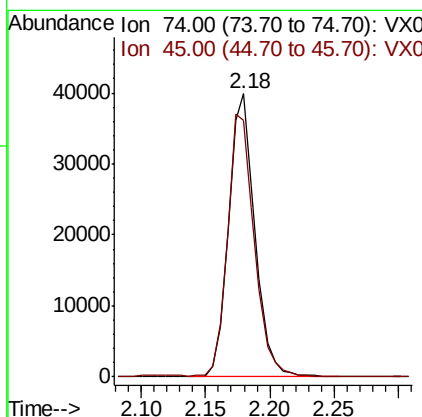
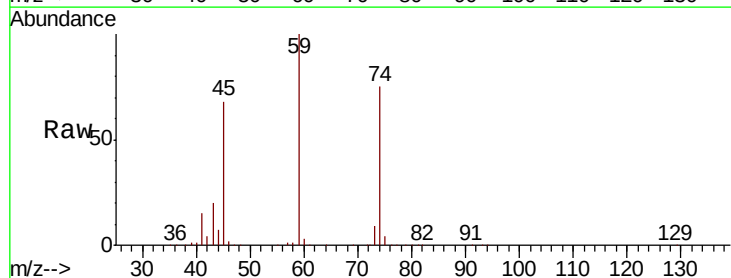
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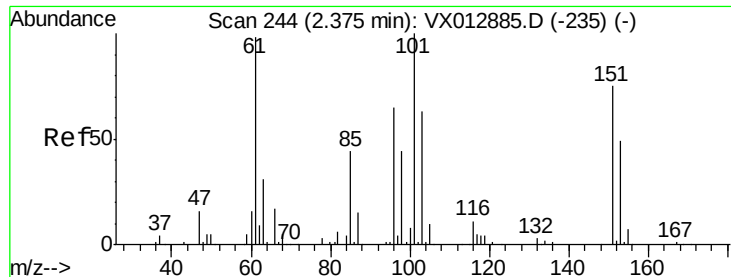


#8

Diethyl Ether
Concen: 49.221 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	47.8	143.4





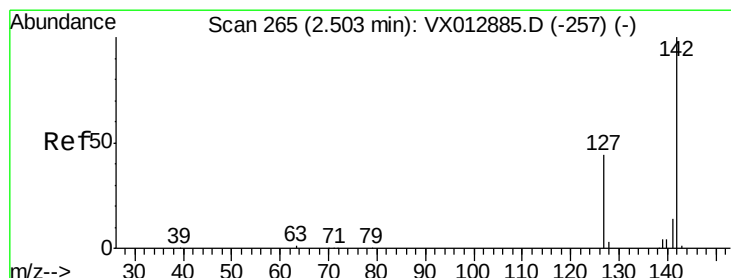
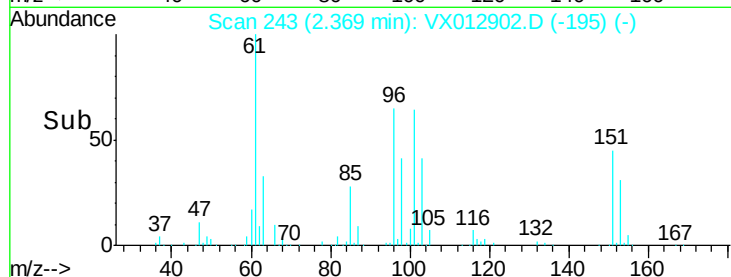
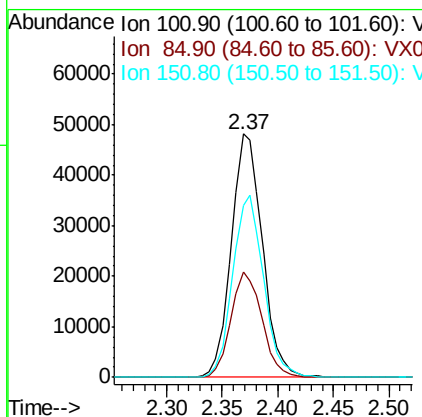
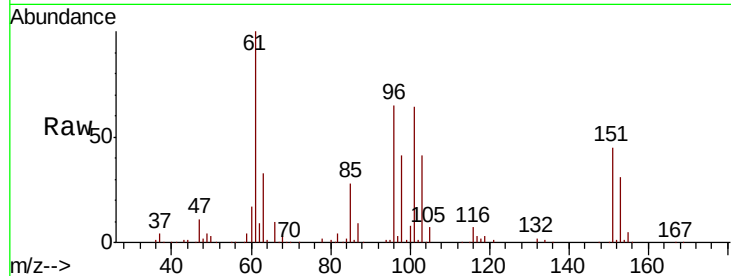
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.441 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.01 min
Lab File: VX012902.D
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Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.2	52.8
151	74.4	60.3	90.5

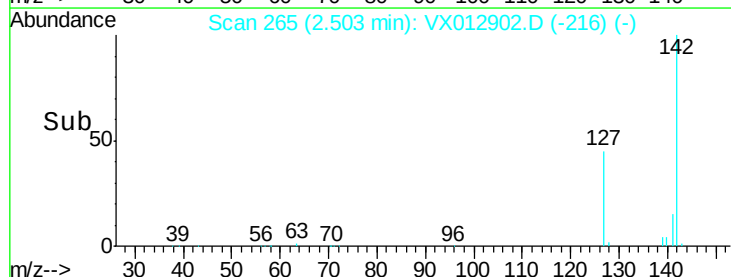
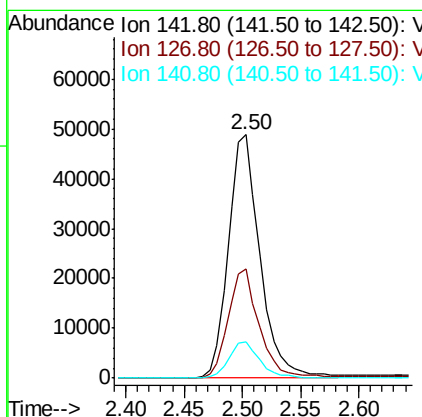
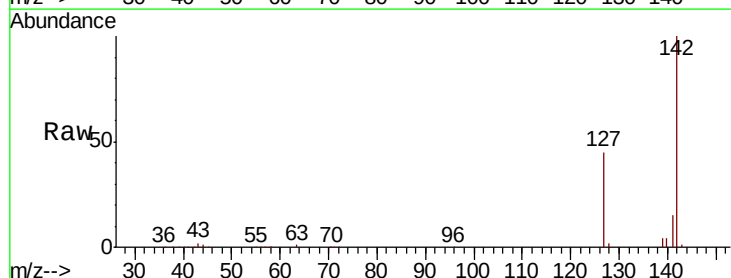
Manual Integrations
APPROVED

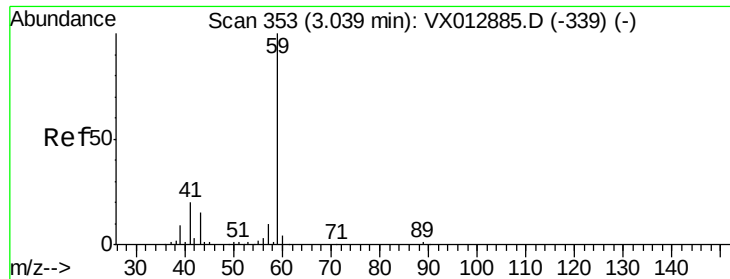
MMDadoda
10/9/2019 10:36:14 AM



#10
Methyl Iodide
Concen: 44.795 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.7	34.9	52.3
141	14.4	11.6	17.4





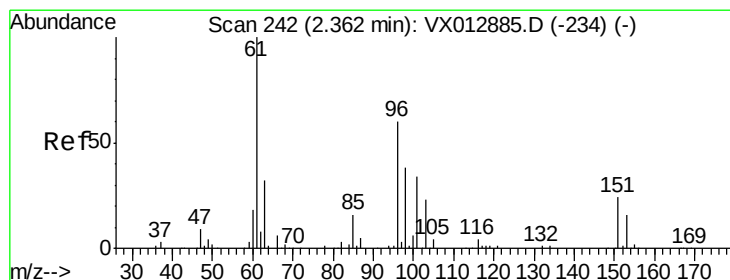
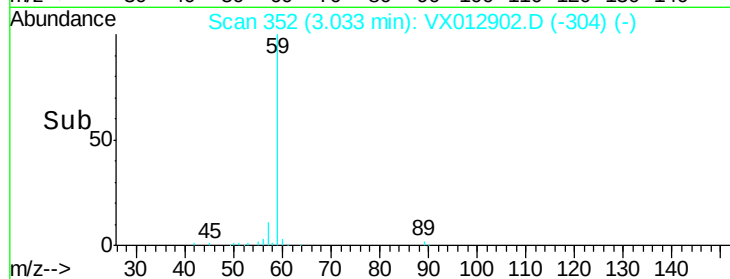
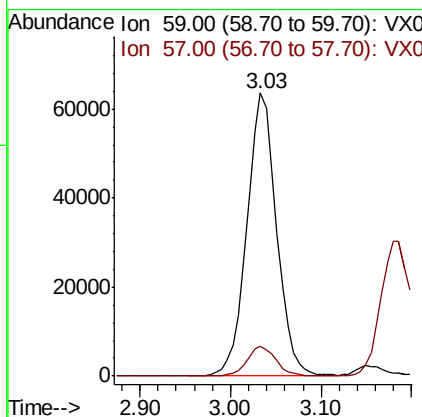
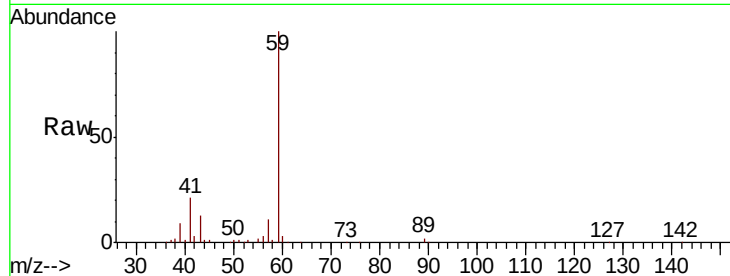
#11
Tert butyl alcohol
Concen: 235.924 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	144629
Ion Ratio	100	Lower	Upper
57	10.2	8.3	12.5

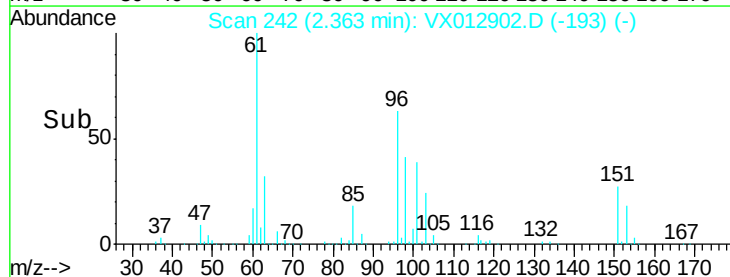
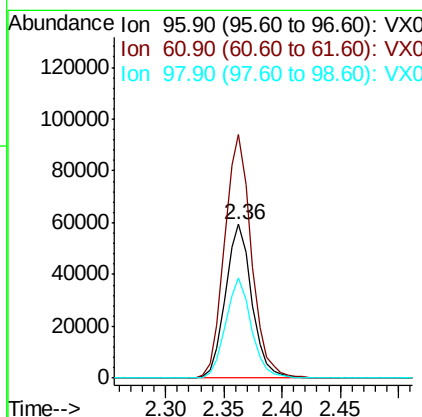
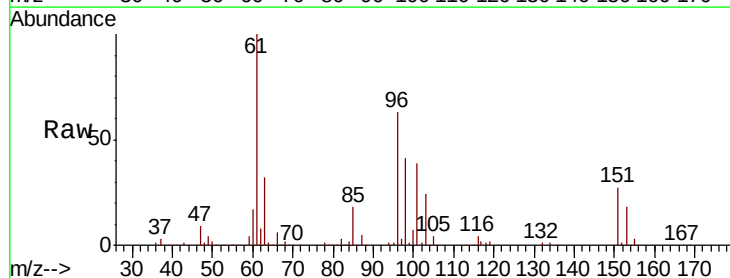
Manual Integrations
APPROVED

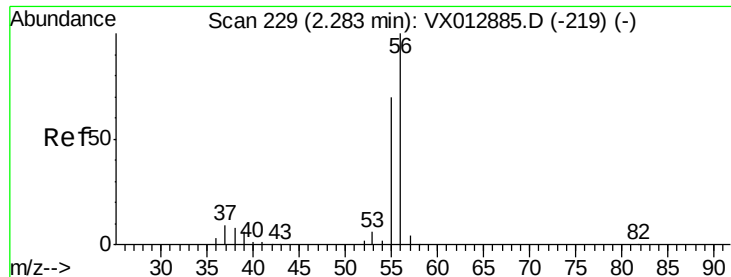
MMDadoda
10/9/2019 10:36:14 AM



#12
1,1-Dichloroethene
Concen: 49.908 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	96	Resp	93315
Ion Ratio	100	Lower	Upper
61	158.4	132.2	198.4
98	64.8	50.5	75.7





#13

Acrolein

Concen: 218.553 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 95214

Ion Ratio Lower Upper

56 100

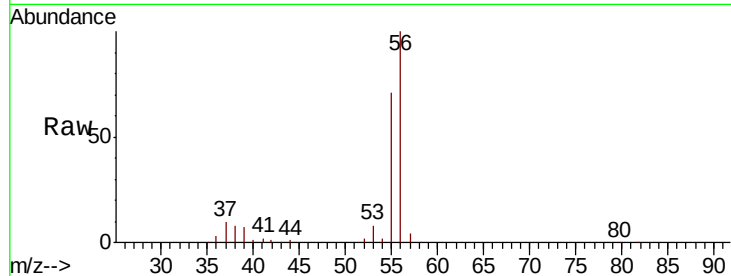
55 71.6 56.6 85.0

Manual Integrations

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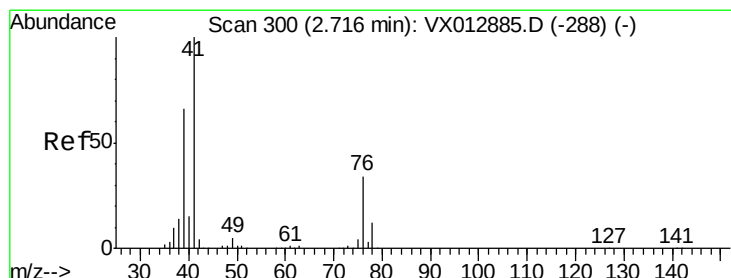
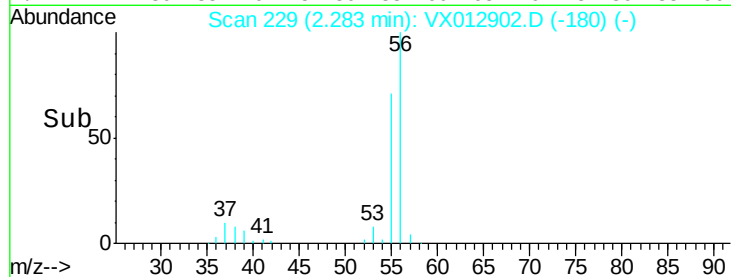
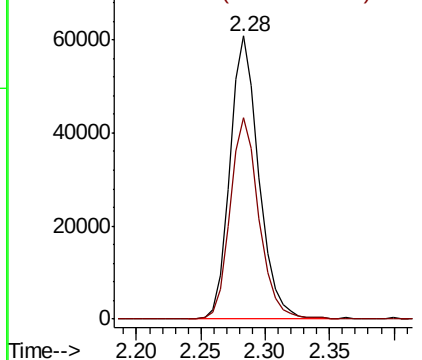
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 50.589 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

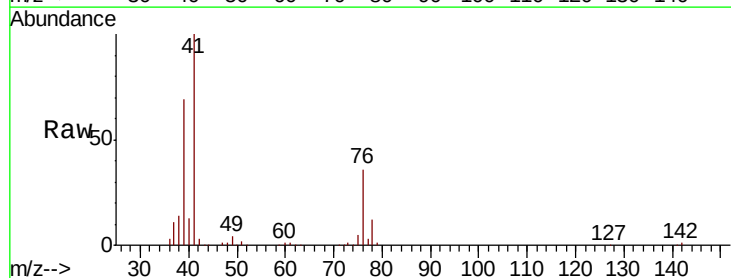
Tgt Ion: 41 Resp: 168449

Ion Ratio Lower Upper

41 100

39 62.8 51.0 76.6

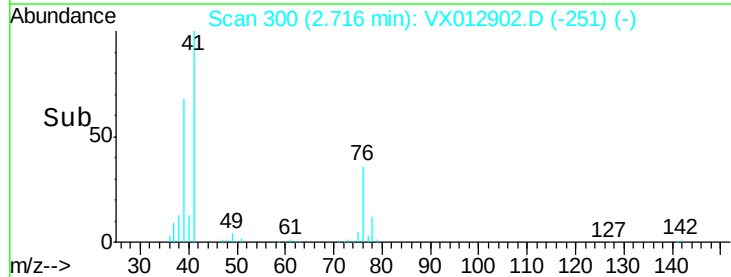
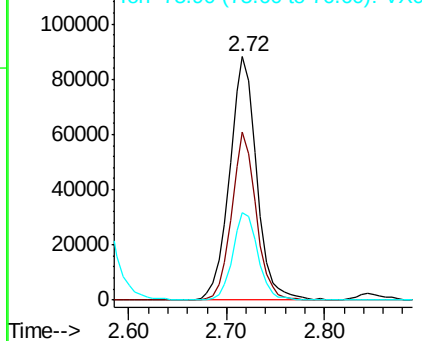
76 33.6 26.2 39.4

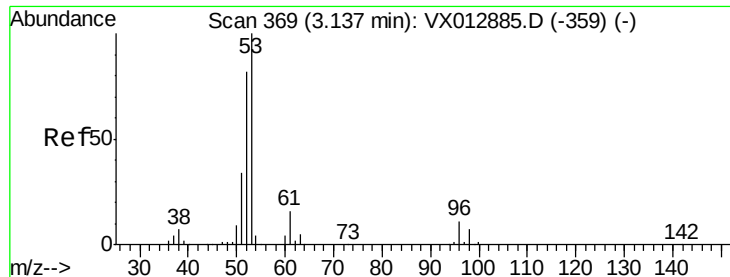


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 253.037 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

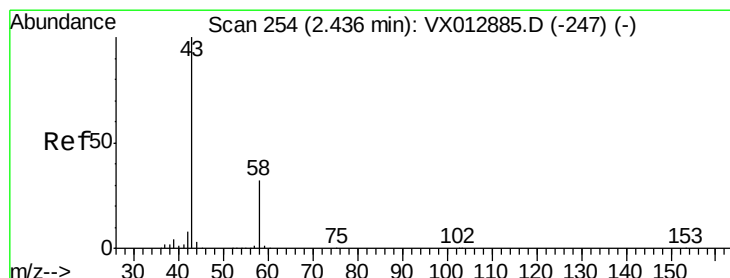
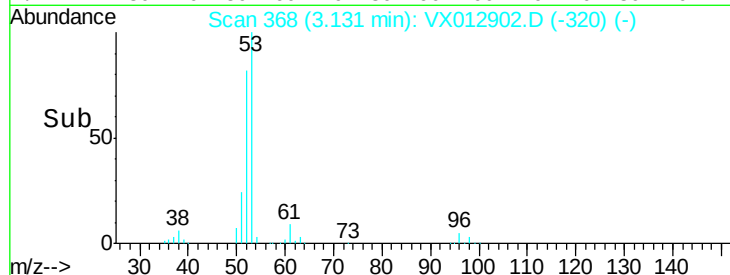
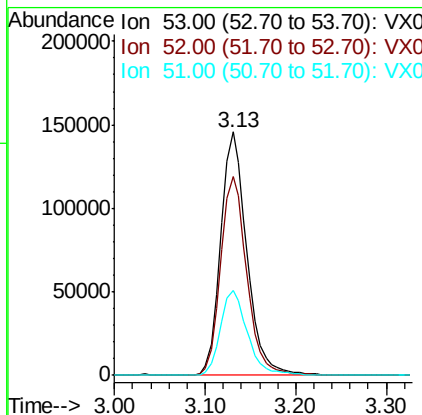
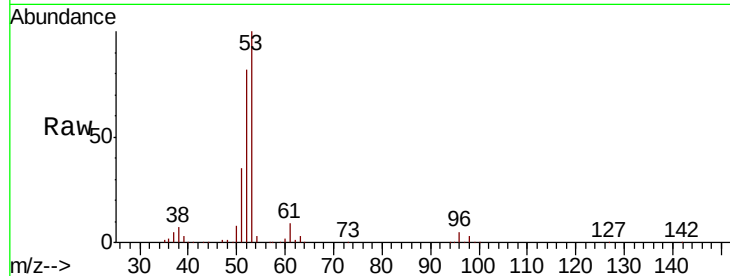
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	293964
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.2	99.2
51	35.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 206.106 ug/l

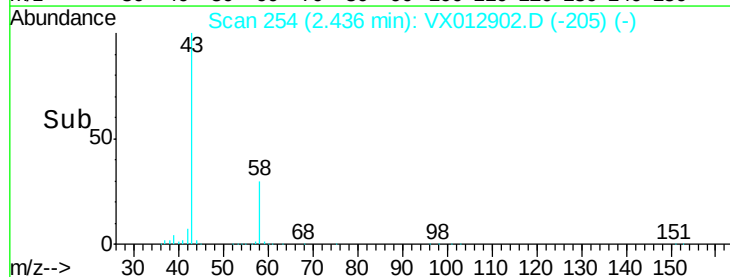
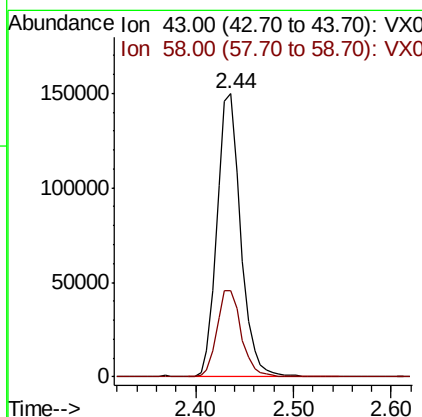
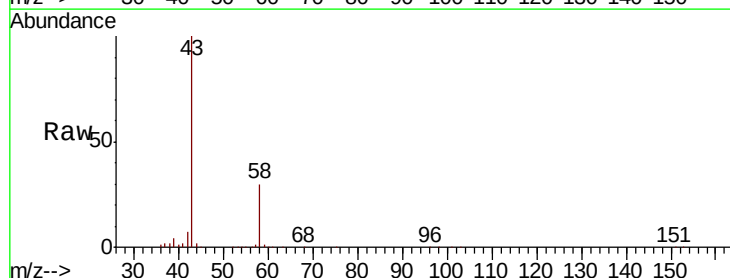
RT: 2.44 min Scan# 254

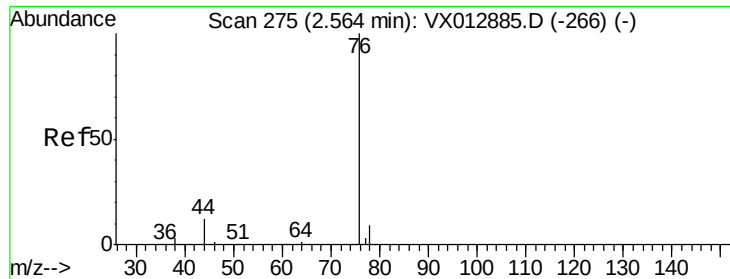
Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Tgt Ion:	43	Resp:	251230
Ion Ratio	Lower	Upper	
43	100		
58	30.5	25.4	38.2





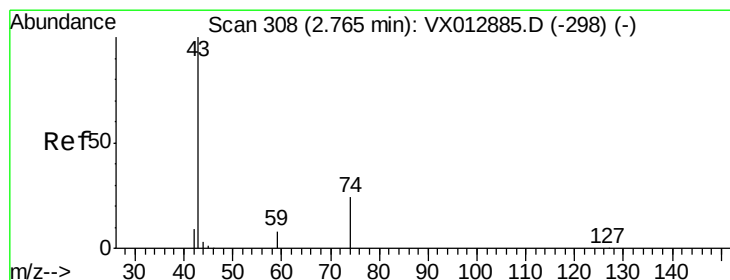
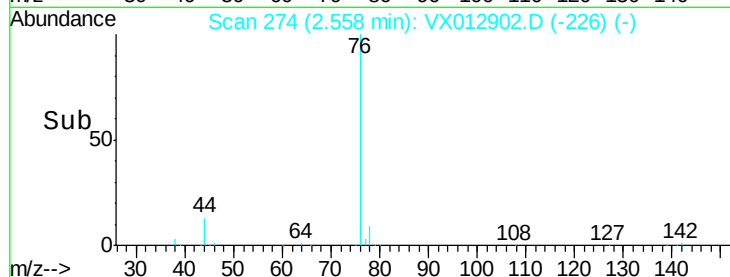
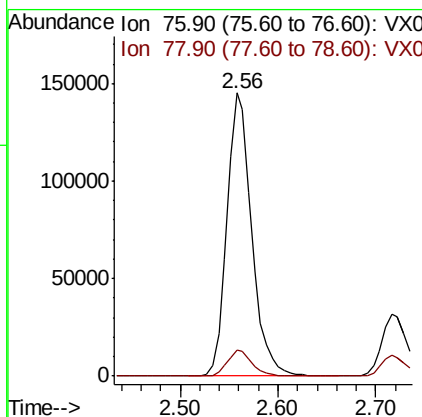
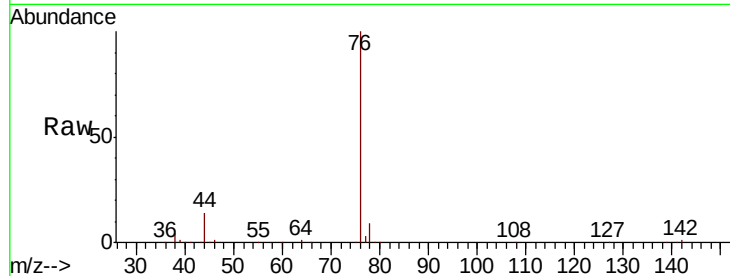
#17
Carbon Disulfide
Concen: 47.730 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

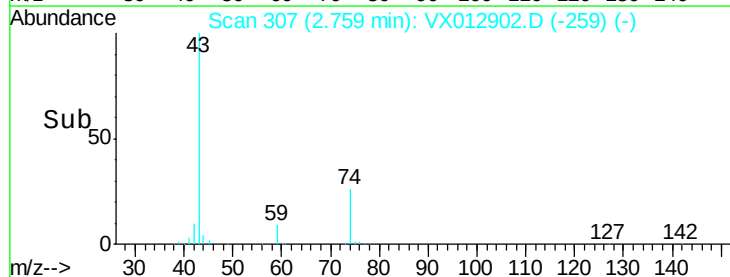
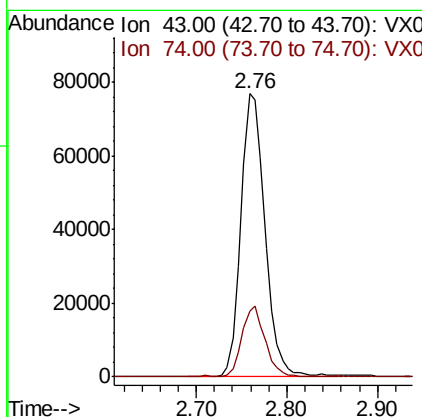
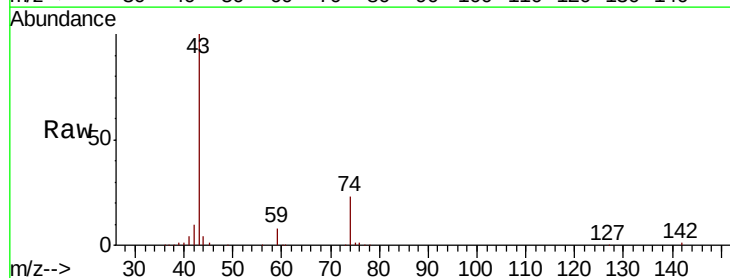
Manual Integrations
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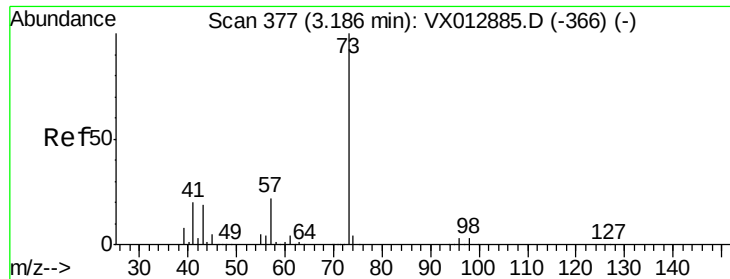
MMDadoda
10/9/2019 10:36:14 AM



#18
Methyl Acetate
Concen: 48.875 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8





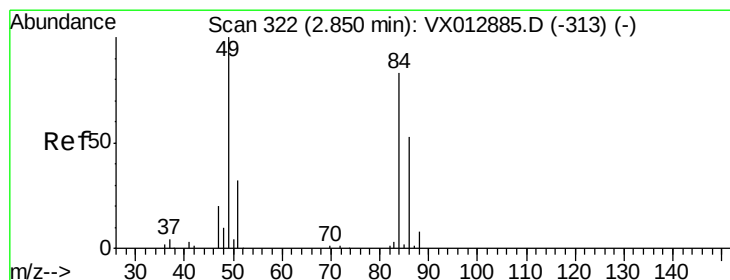
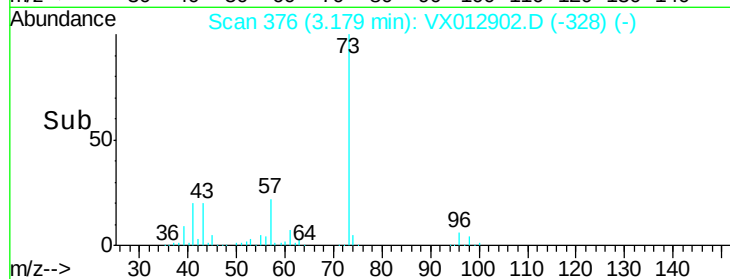
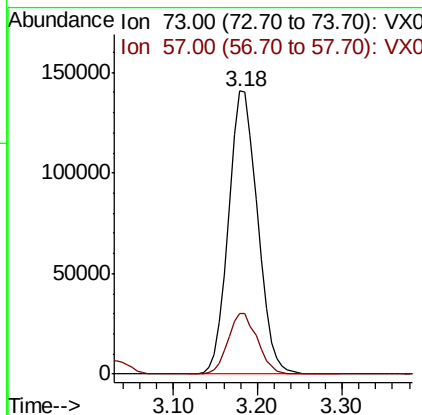
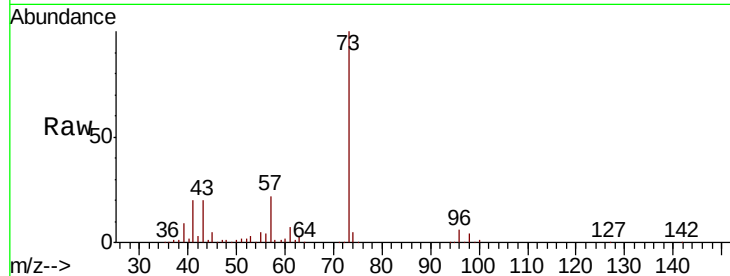
#19
Methyl tert-butyl Ether
Concen: 51.111 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.8	26.6

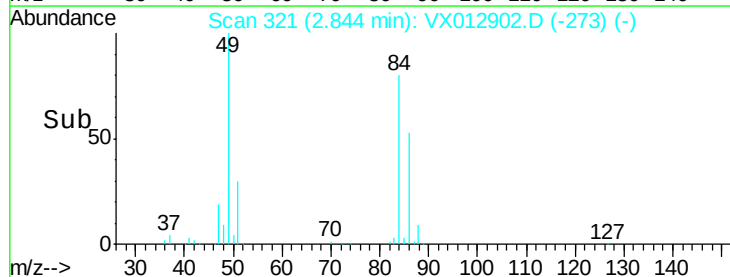
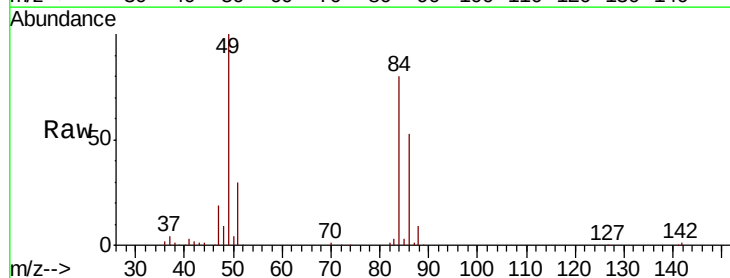
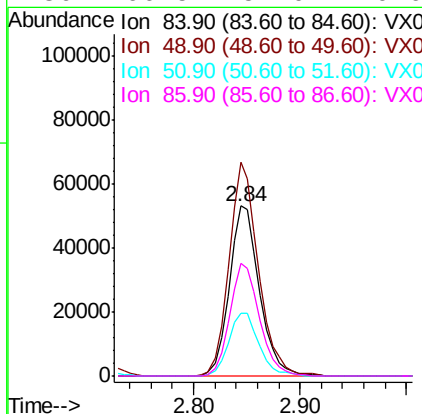
Manual Integrations
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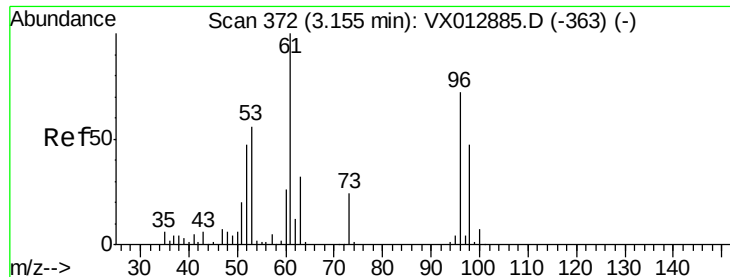
MMDadoda
10/9/2019 10:36:14 AM



#20
Methylene Chloride
Concen: 46.610 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.6	96.6	144.8
51	37.2	30.7	46.1
86	66.5	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.966 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

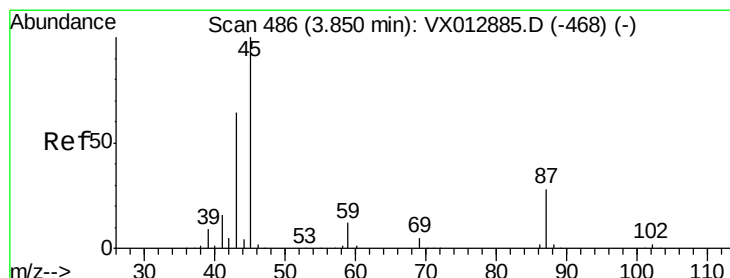
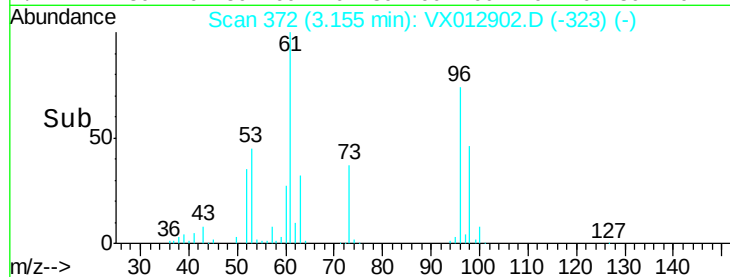
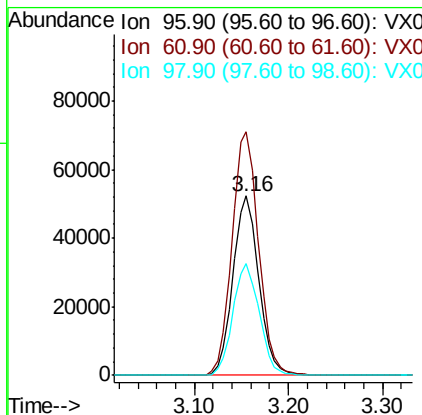
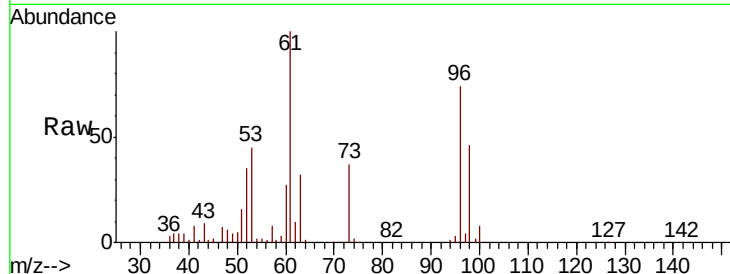
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	100132
Ion	Ratio	Lower	Upper
96	100		
61	135.8	110.4	165.6
98	62.5	51.5	77.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.285 ug/l

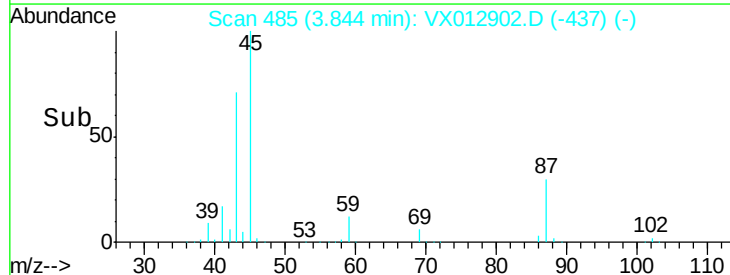
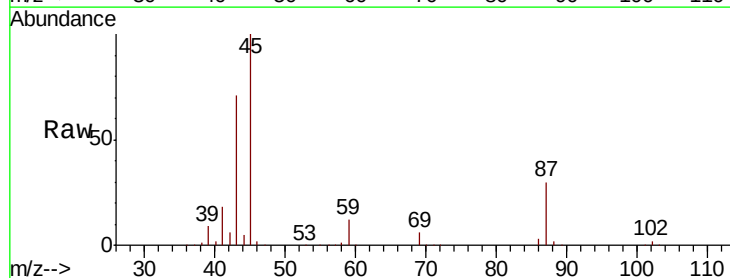
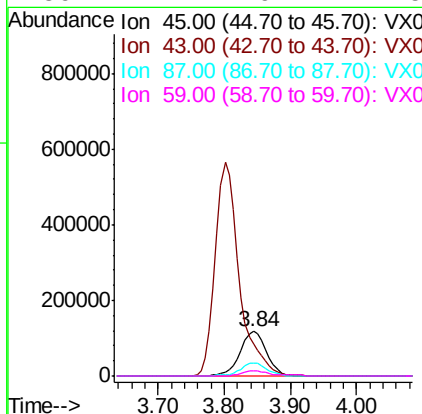
RT: 3.84 min Scan# 485

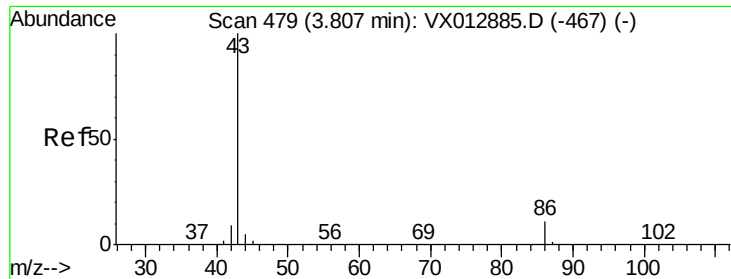
Delta R.T. -0.01 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Tgt Ion:	45	Resp:	327220
Ion	Ratio	Lower	Upper
45	100		
43	70.7	51.4	77.0
87	29.8	22.5	33.7
59	12.1	9.7	14.5





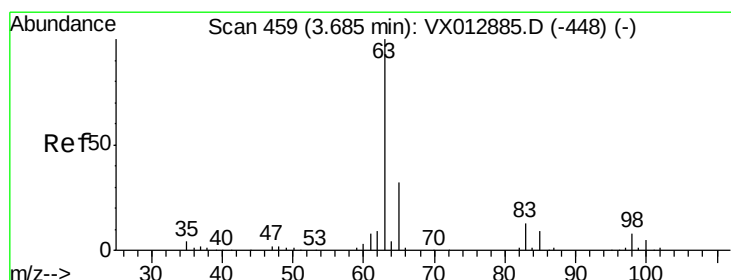
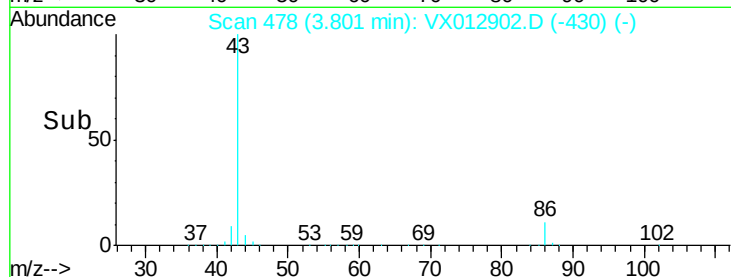
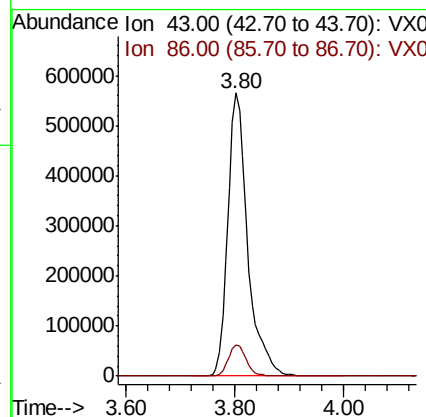
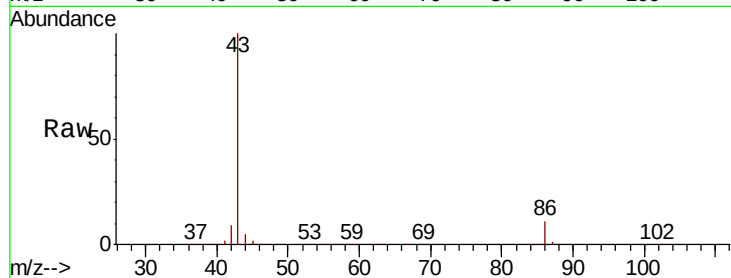
#23
 Vinyl Acetate
 Concen: 260.476 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1434713
 Ion Ratio Lower Upper
 43 100
 86 10.9 9.0 13.6

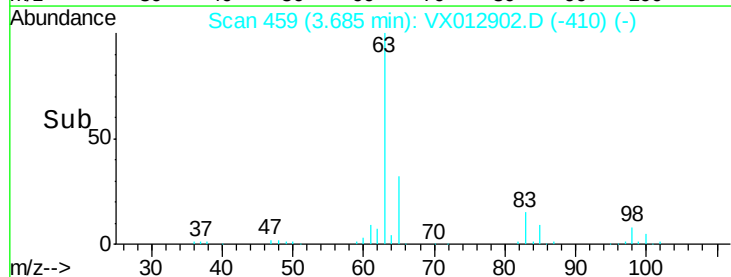
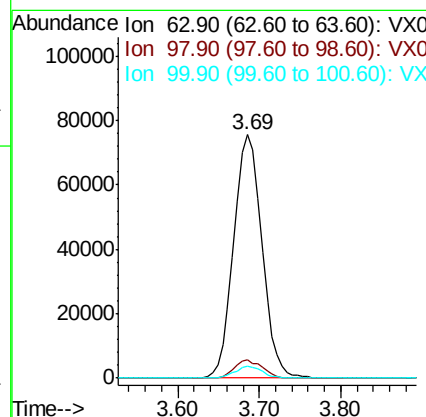
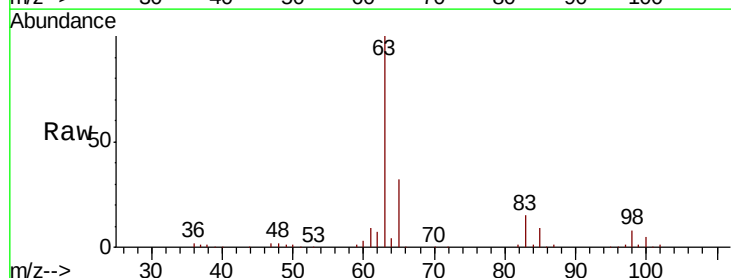
Manual Integrations
 APPROVED

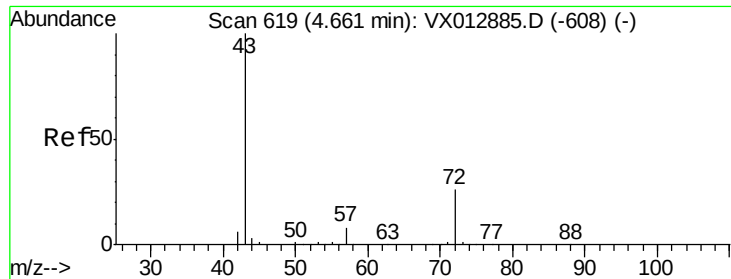
MMDadoda
 10/9/2019 10:36:14 AM



#24
 1,1-Dichloroethane
 Concen: 50.431 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion: 63 Resp: 181021
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.9 11.5
 100 4.7 2.3 6.9





#25

2-Butanone

Concen: 239.998 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 405862

Ion Ratio Lower Upper

43 100

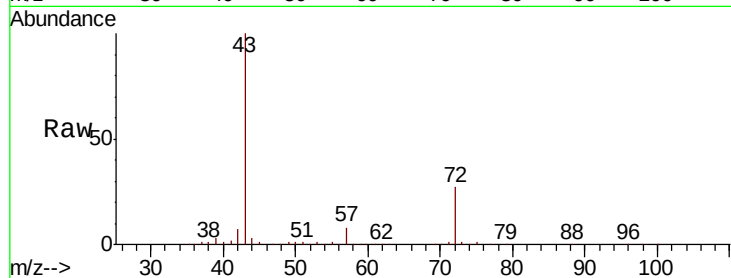
72 27.3 21.0 31.6

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

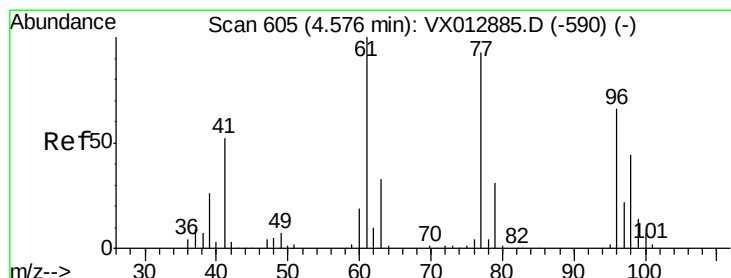
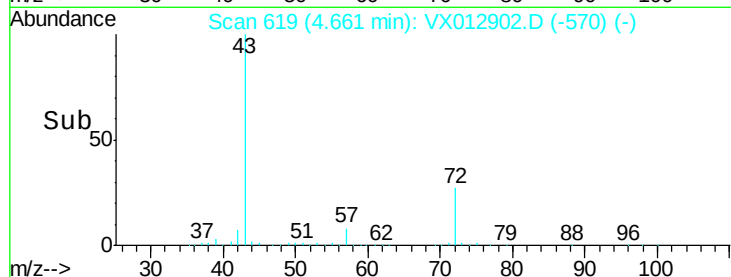
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.852 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012902.D

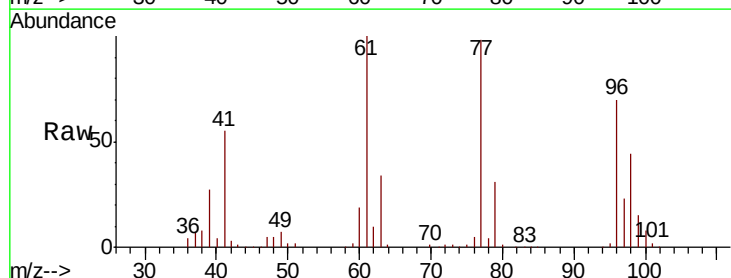
Acq: 08 Oct 2019 20:10

Tgt Ion: 77 Resp: 138401

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

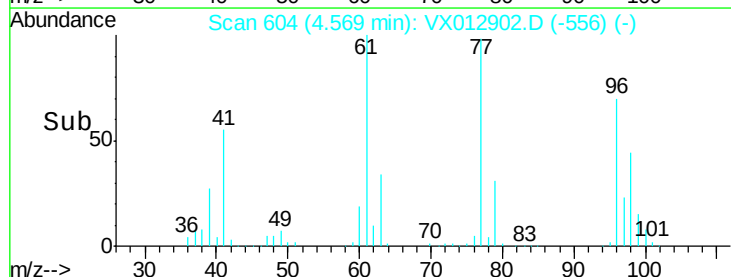
20000

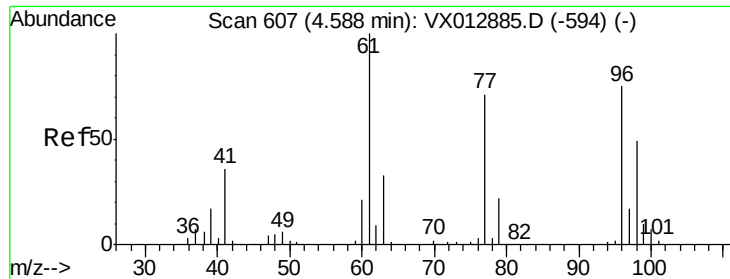
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

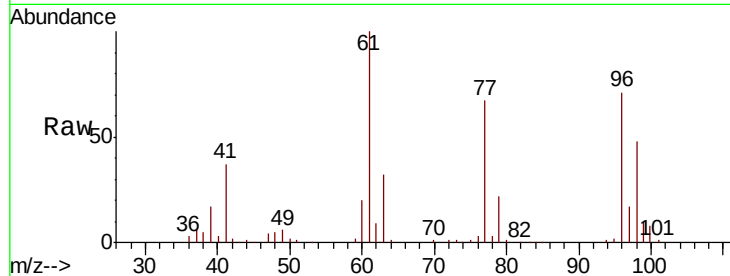
cis-1,2-Dichloroethene
Concen: 49.876 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	115214		
61	142.2	0.0	290.6	
98	64.7	0.0	128.8	

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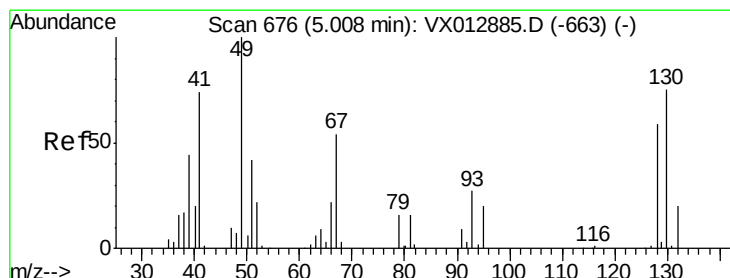
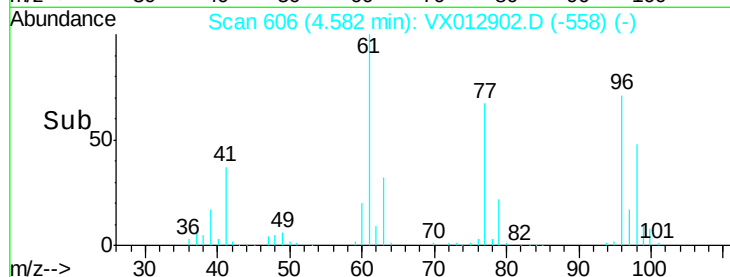
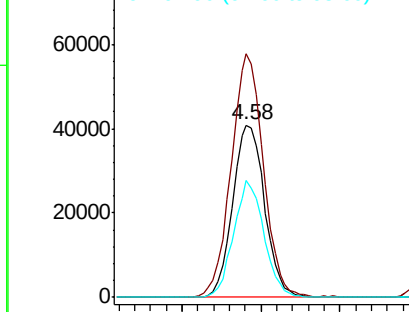


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

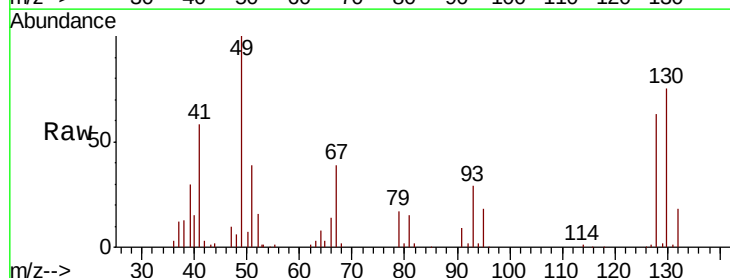
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 51.079 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	54783		
129	2.1	0.0	4.2	
130	78.8	62.1	93.1	

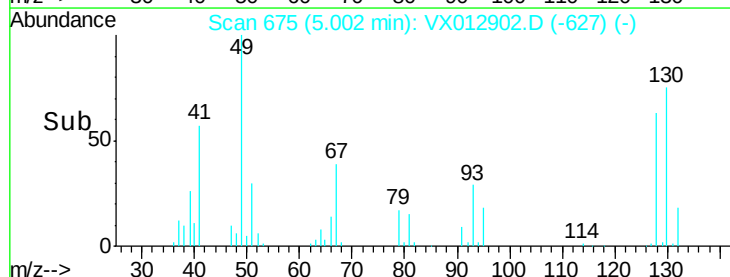
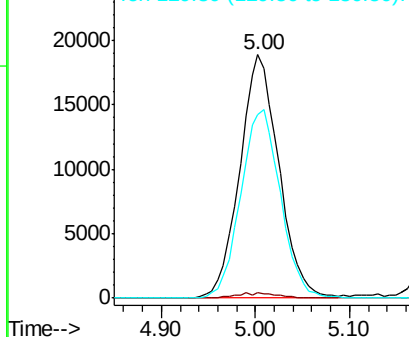


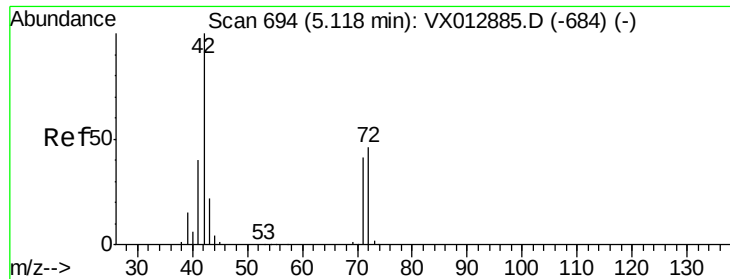
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





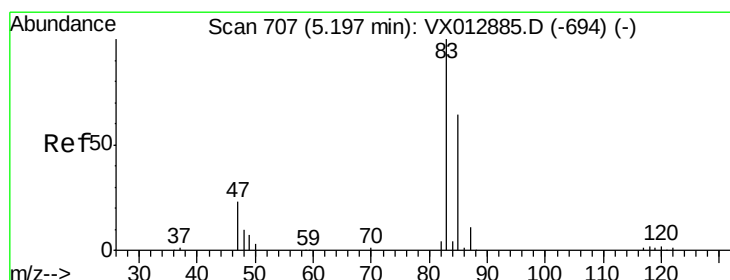
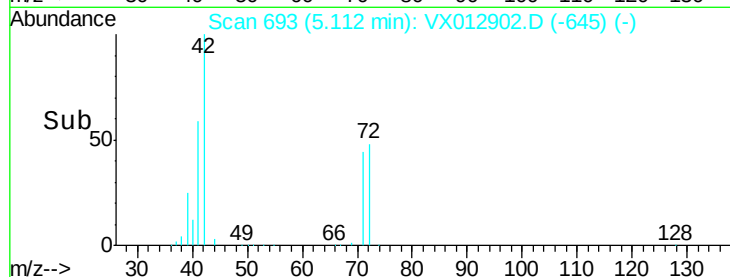
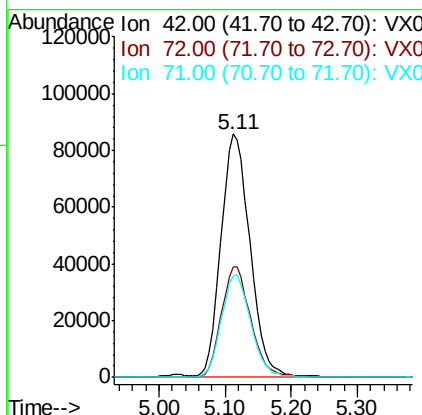
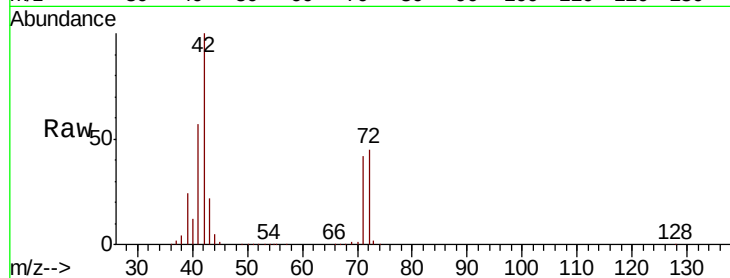
#29
Tetrahydrofuran
Concen: 251.161 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.9	55.3
71	42.7	33.5	50.3

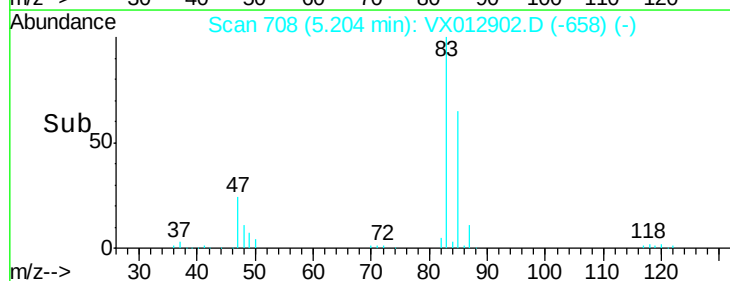
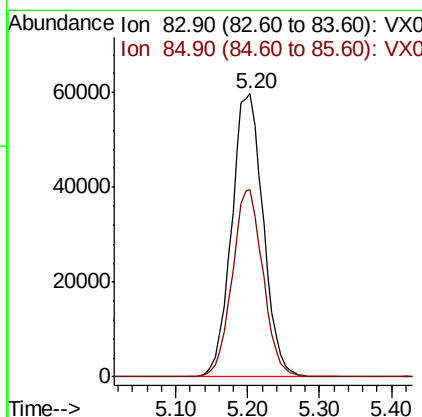
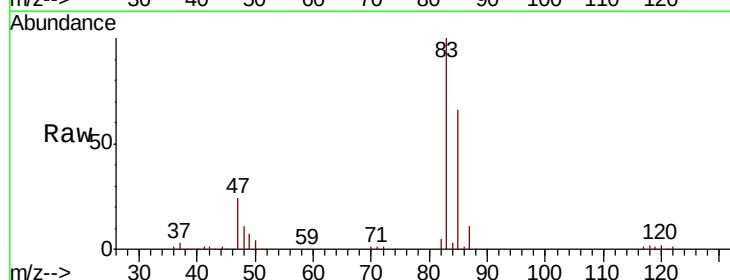
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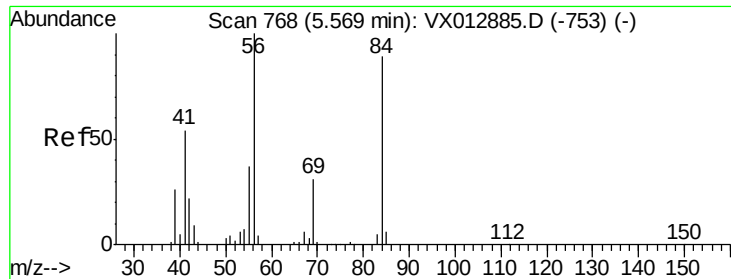
MMDadoda
10/9/2019 10:36:14 AM



#30
Chloroform
Concen: 49.386 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.5	77.3





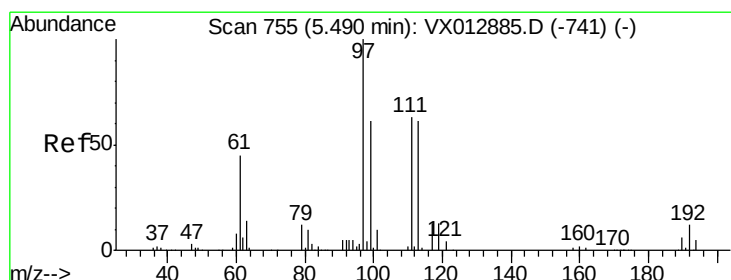
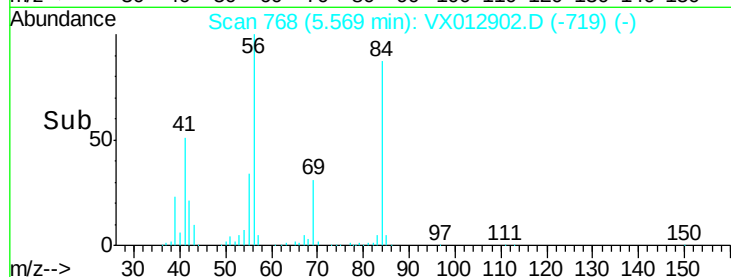
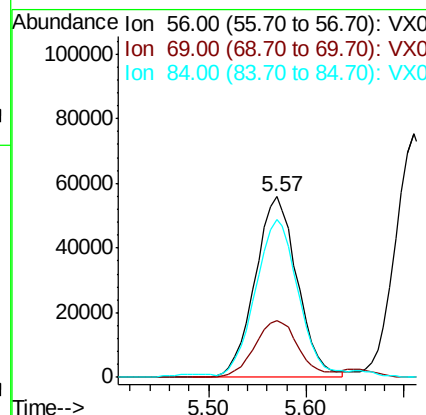
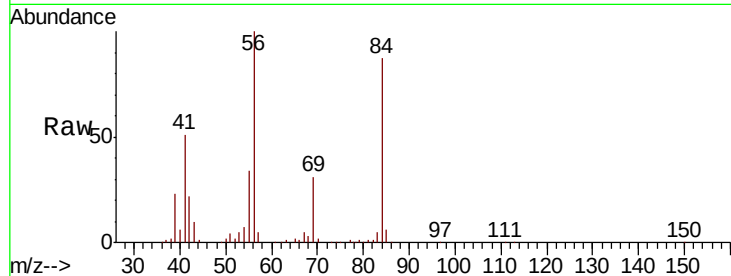
#31
Cyclohexane
Concen: 50.258 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.2	37.8
84	86.0	71.3	106.9

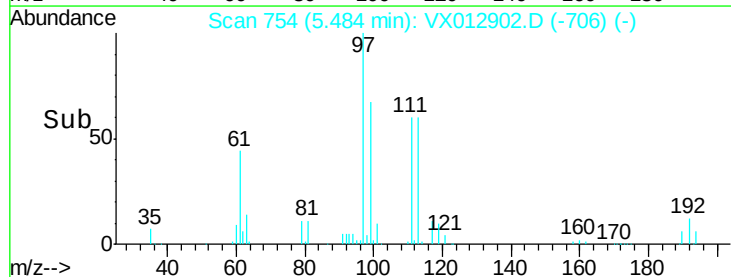
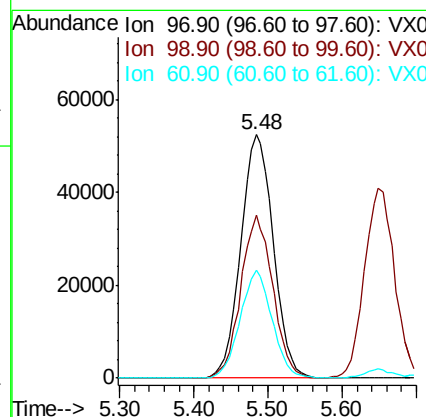
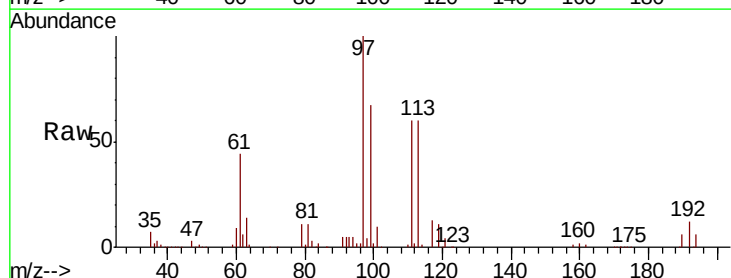
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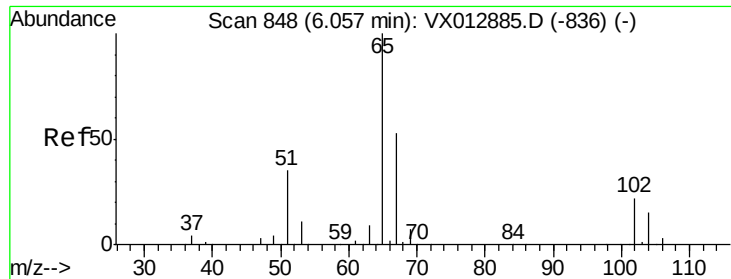
MMDadoda
10/9/2019 10:36:14 AM



#32
1,1,1-Trichloroethane
Concen: 51.649 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.3	78.5
61	43.5	35.0	52.4





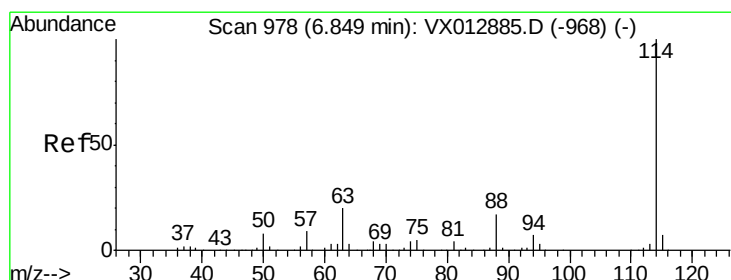
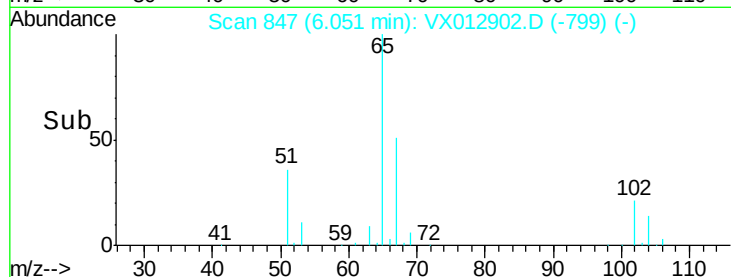
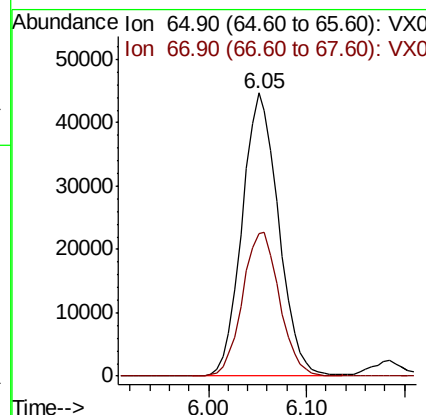
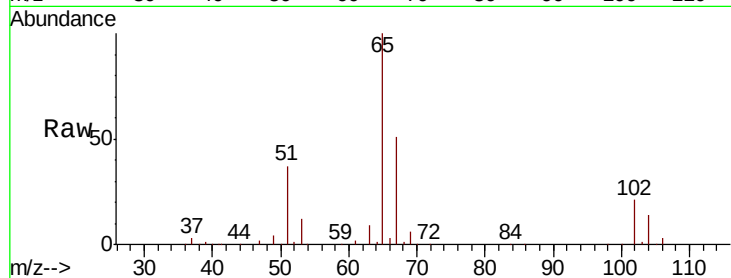
#33
 1,2-Dichloroethane-d4
 Concen: 50.054 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.4

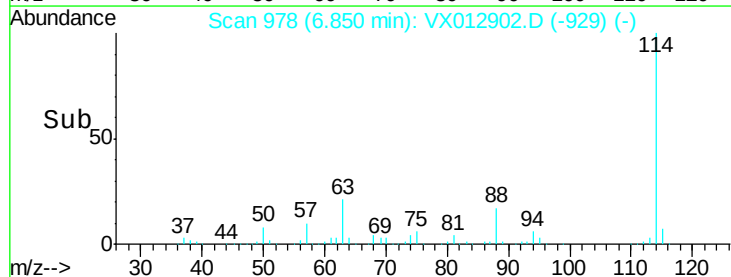
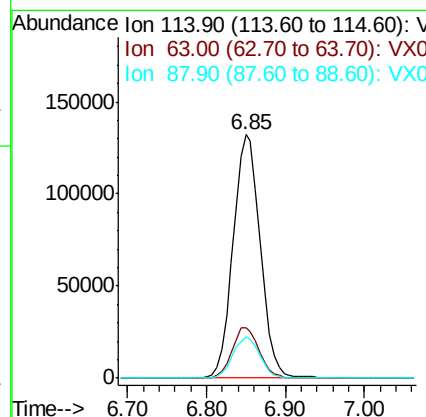
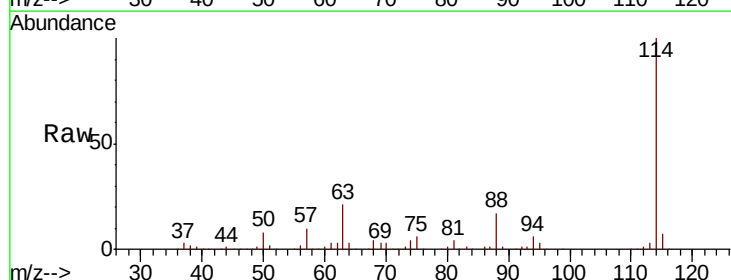
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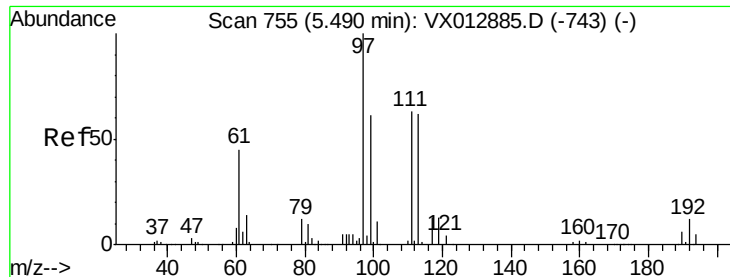
MMDadoda
 10/9/2019 10:36:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	17.1	0.0	33.8





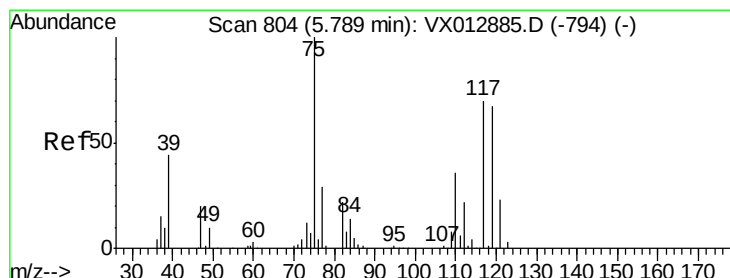
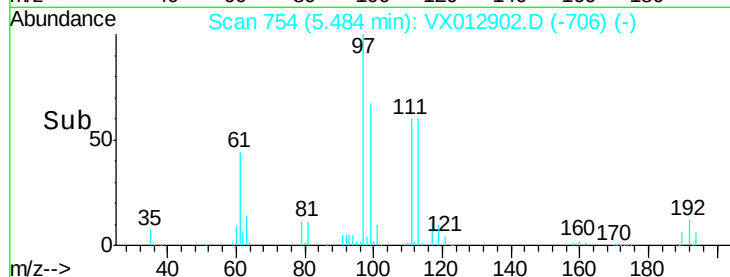
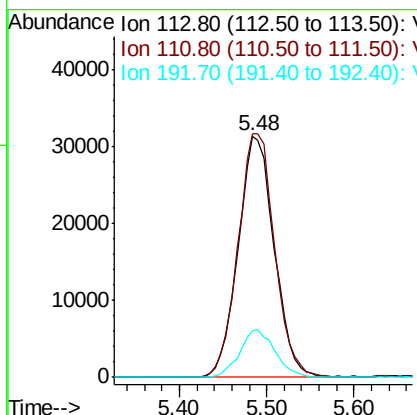
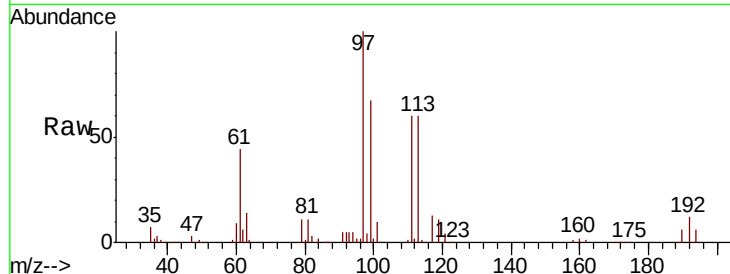
#35
 Dibromofluoromethane
 Concen: 49.447 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.2	124.8
192	19.5	15.4	23.2

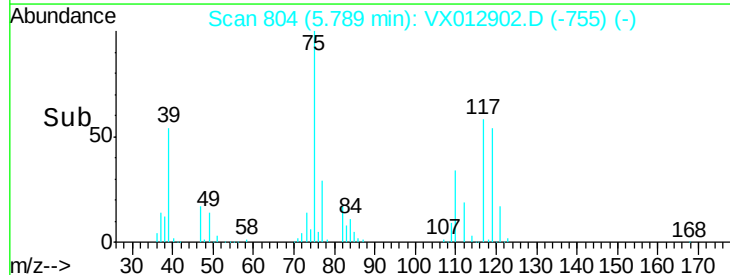
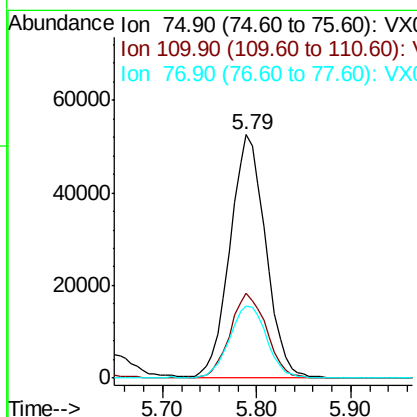
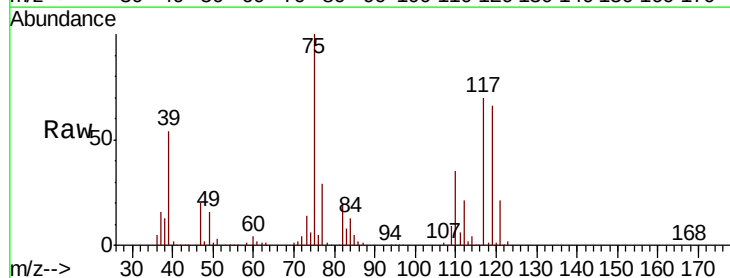
Manual Integrations
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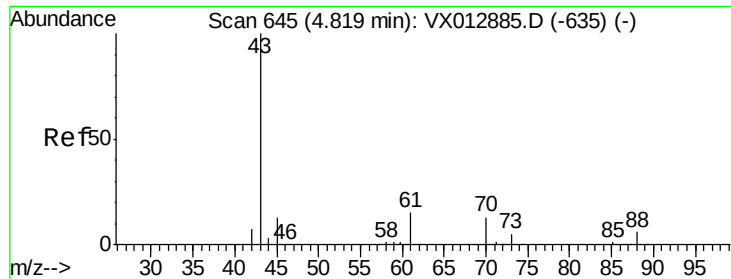
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 10/9/2019 10:36:14 AM



#36
 1,1-Dichloropropene
 Concen: 49.734 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.6	52.9
77	31.1	24.4	36.6





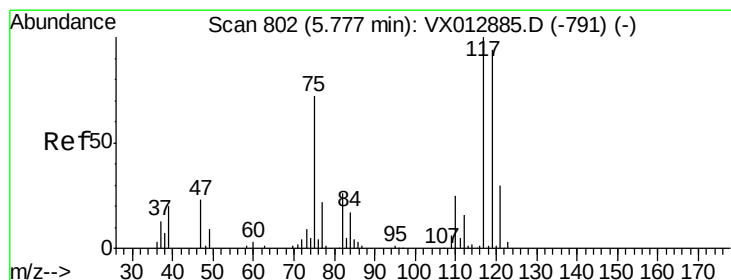
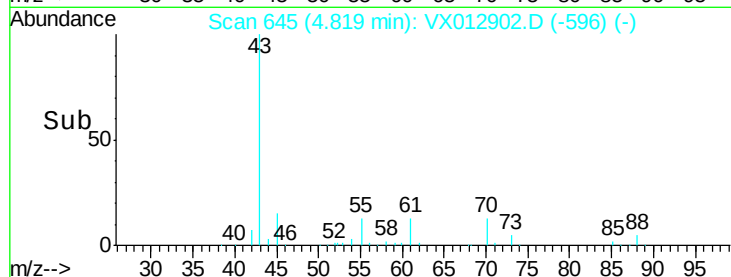
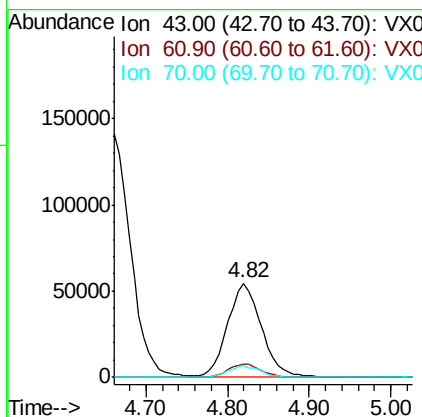
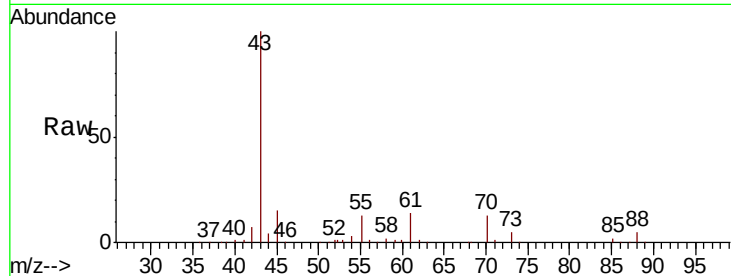
#37
Ethyl Acetate
Concen: 49.753 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	12.1	9.8	14.6

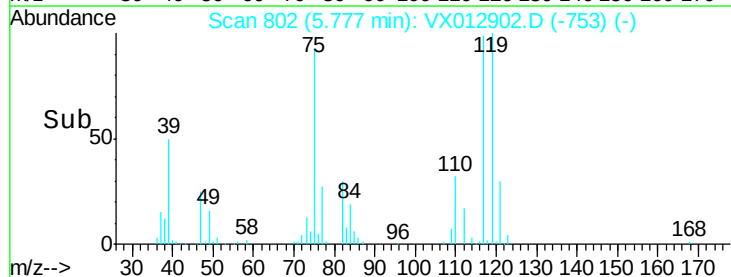
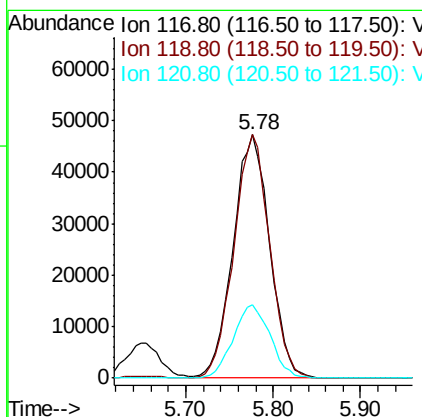
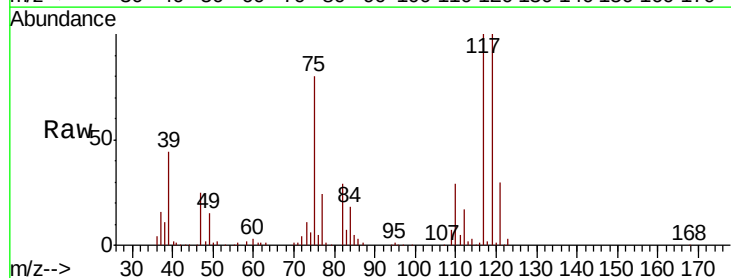
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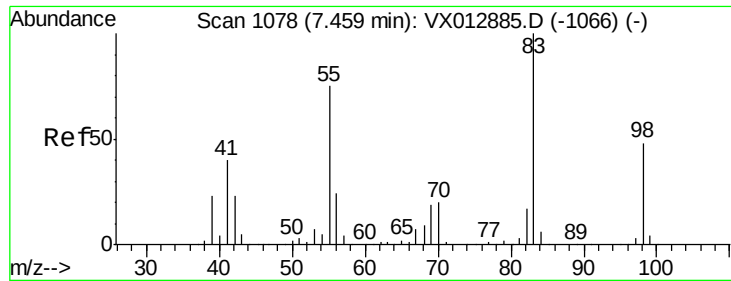
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#38
Carbon Tetrachloride
Concen: 50.686 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	74.5	111.7
121	30.1	24.2	36.4





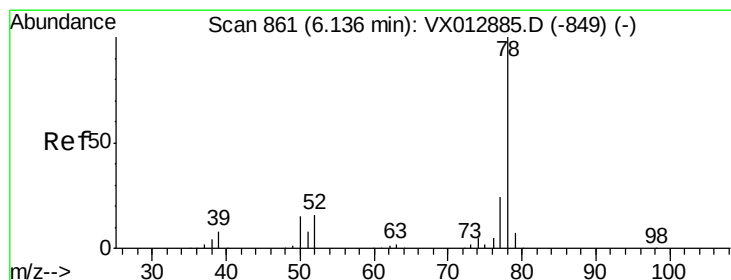
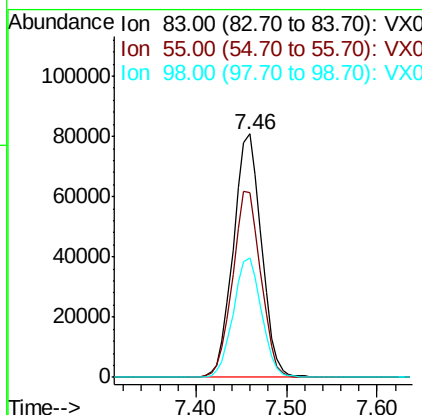
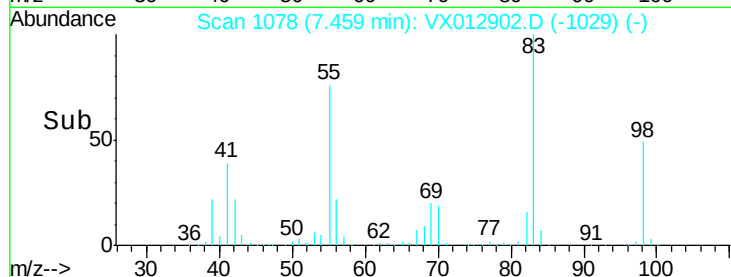
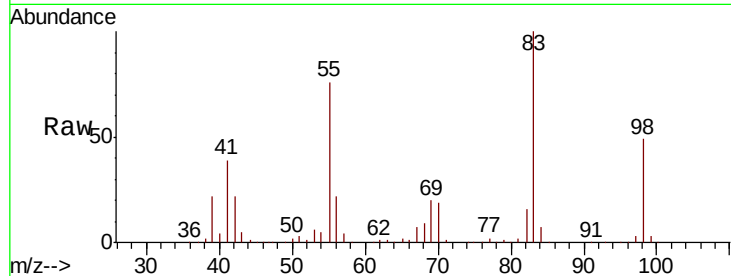
#39
Methylvlcyclohexane
Concen: 51.624 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.2	90.4
98	48.9	38.5	57.7

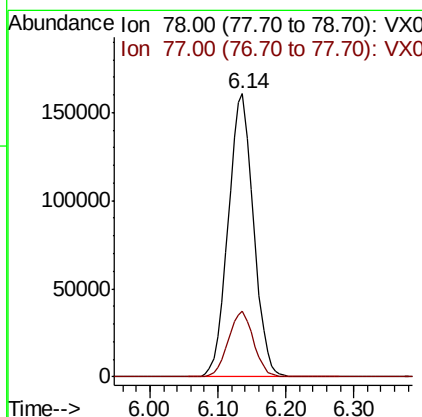
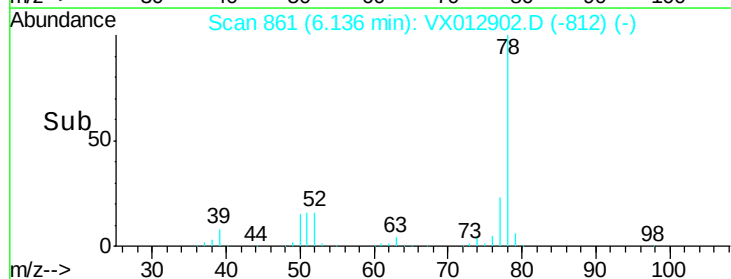
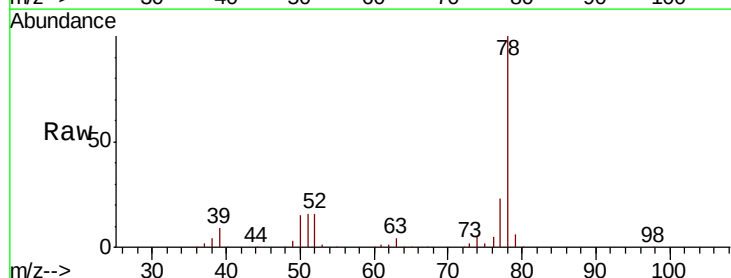
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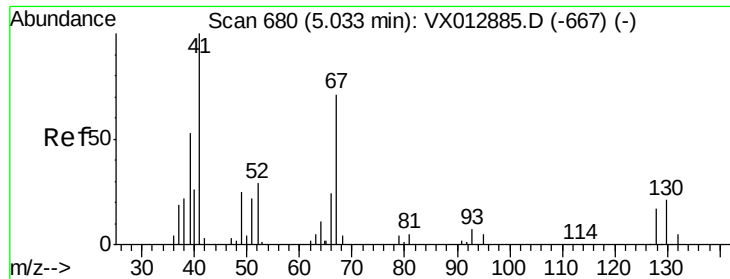
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#40
Benzene
Concen: 50.438 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





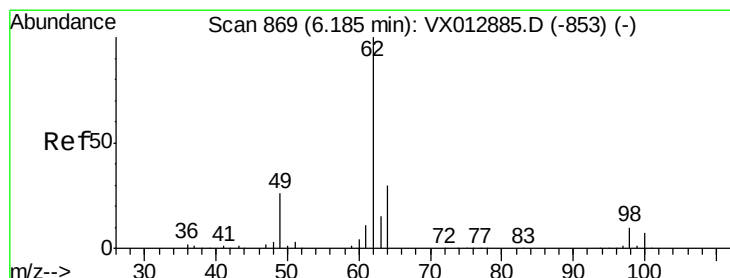
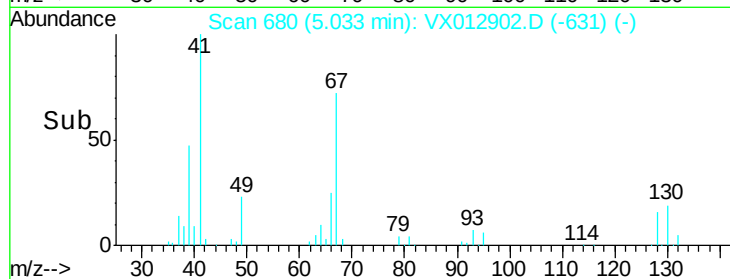
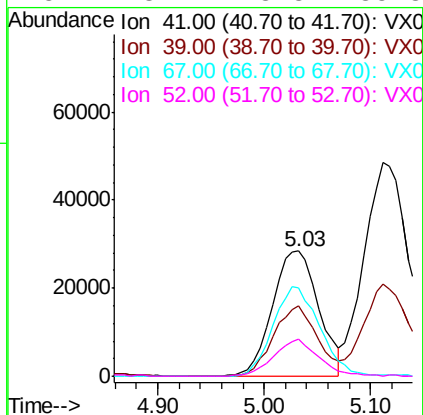
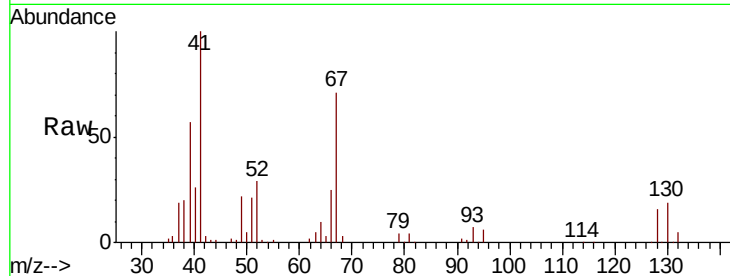
#41
Methacrylonitrile
Concen: 49.958 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	85398
Ion	Ratio	Lower	Upper
41	100		
39	53.5	44.0	66.0
67	72.7	58.5	87.7
52	28.7	23.8	35.8

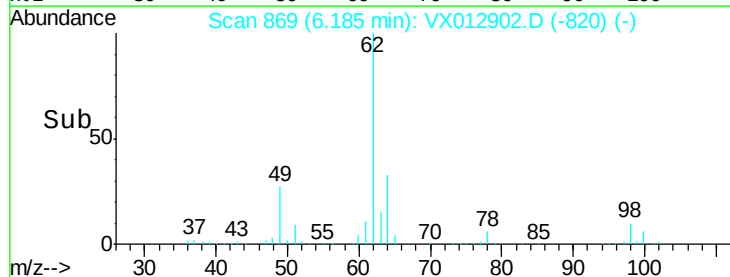
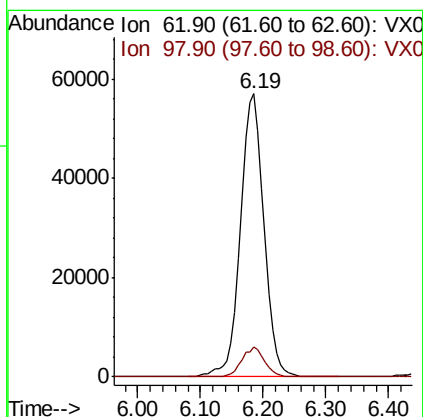
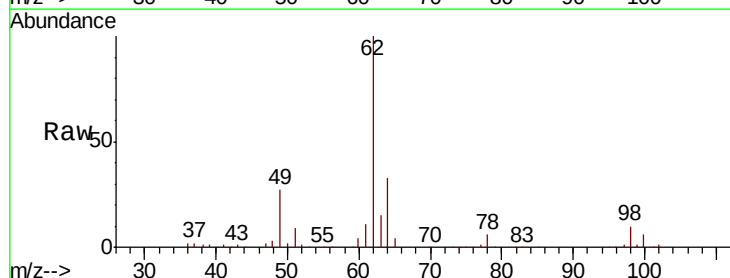
Manual Integrations
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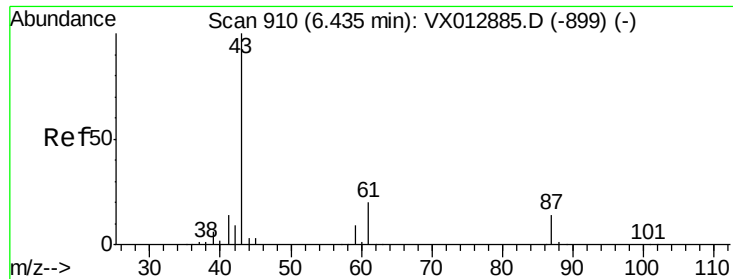
MMDadoda
10/9/2019 10:36:14 AM



#42
1,2-Dichloroethane
Concen: 50.314 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion:	62	Resp:	148350
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4





#43

Isopropyl Acetate

Concen: 50.694 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

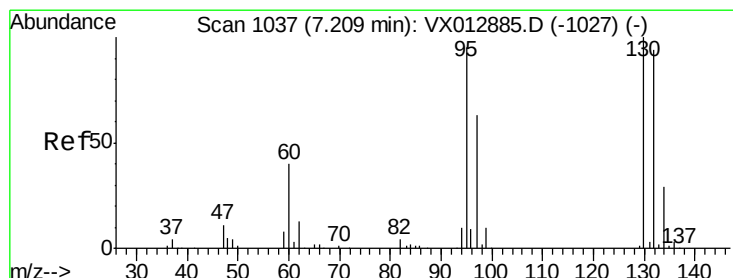
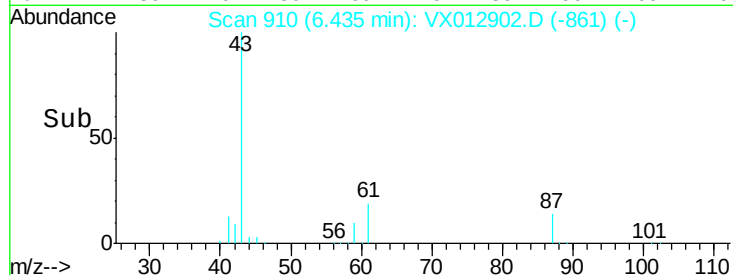
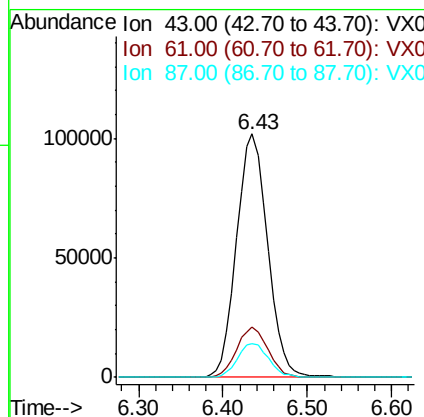
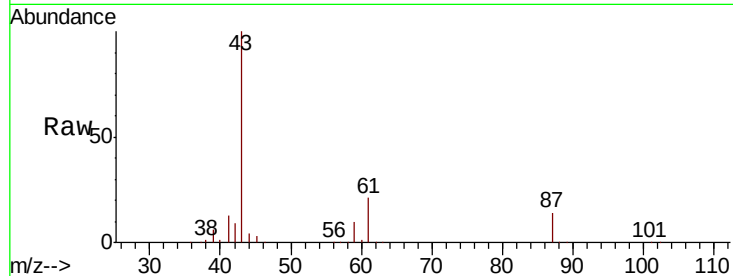
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	253118
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	14.2	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 47.359 ug/l

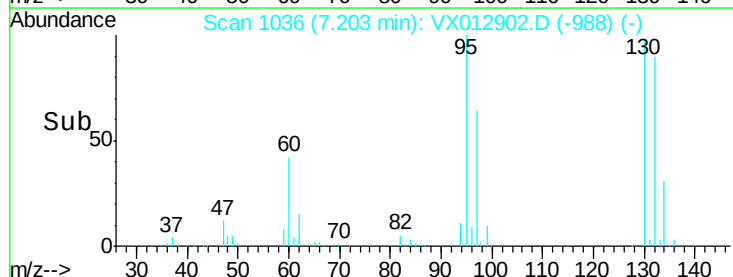
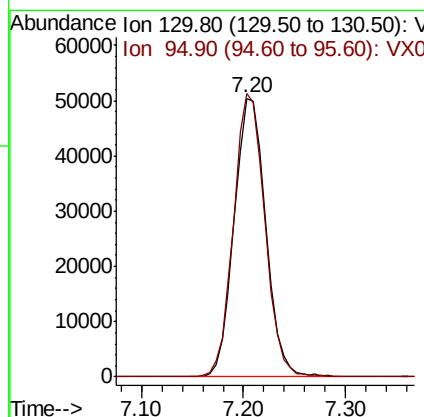
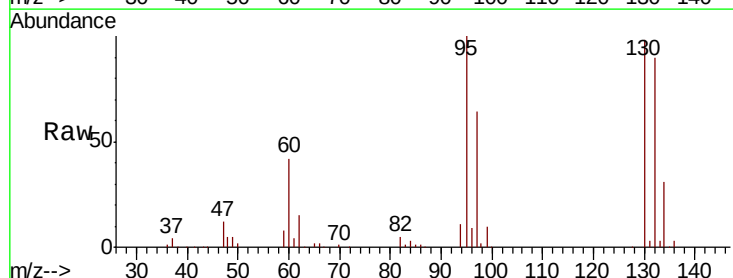
RT: 7.20 min Scan# 1036

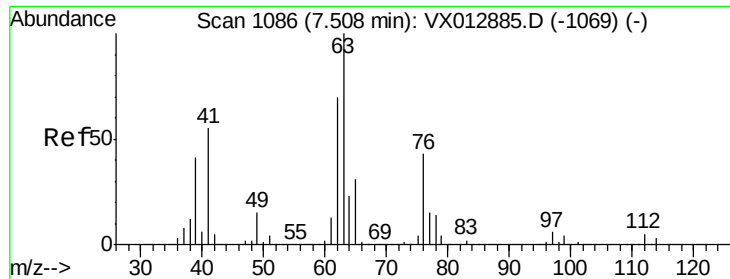
Delta R.T. -0.01 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Tgt Ion:	130	Resp:	107910
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	189.2





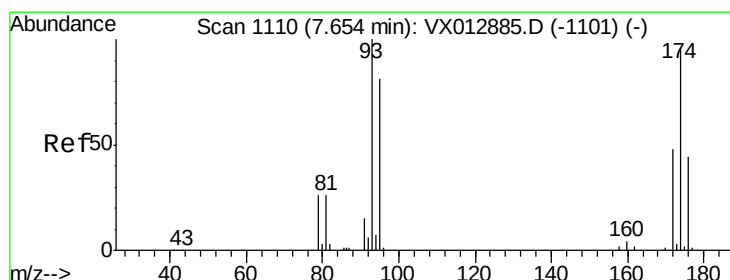
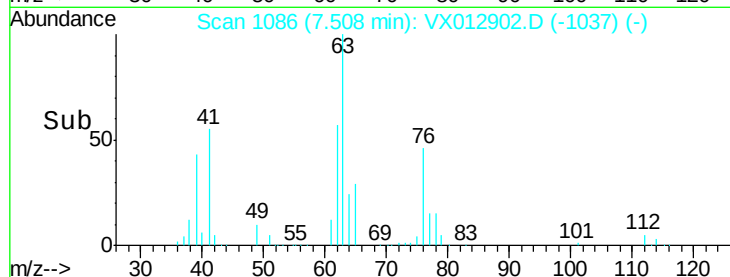
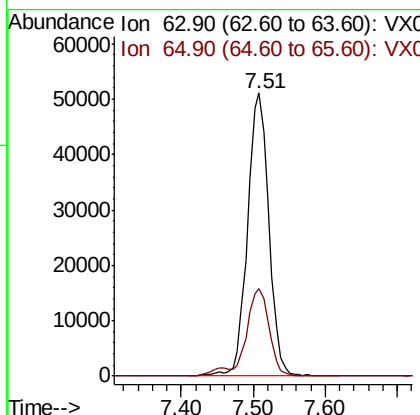
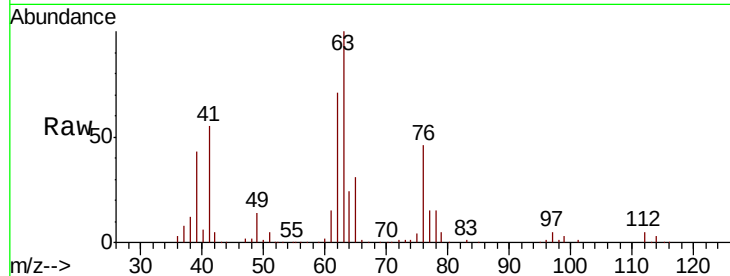
#45
 1,2-Dichloropropane
 Concen: 50.146 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 105016
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0

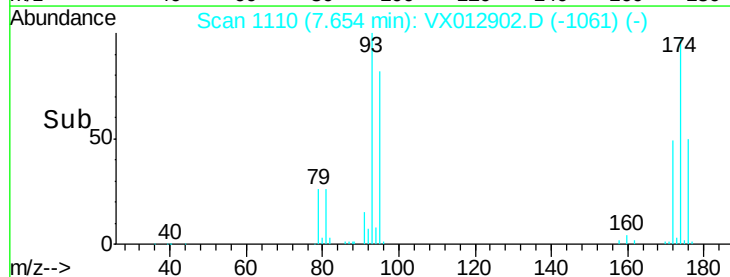
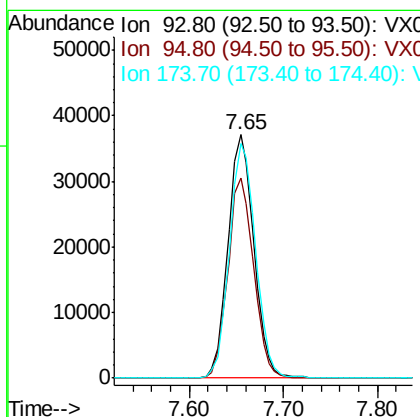
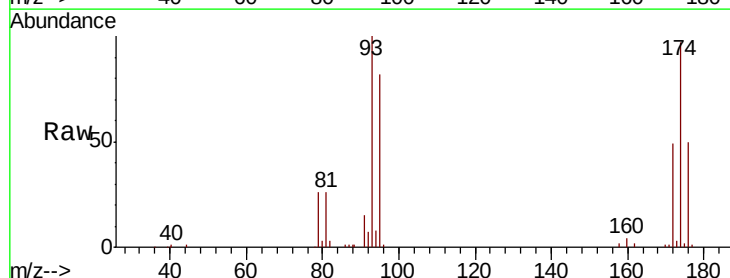
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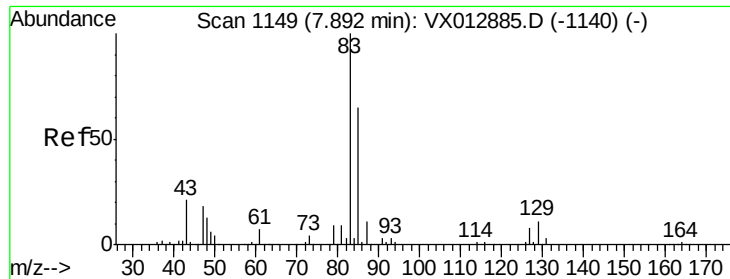
MMDadoda
 10/9/2019 10:36:14 AM



#46
 Dibromomethane
 Concen: 50.721 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion: 93 Resp: 70771
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.3 99.5
 174 97.9 77.8 116.6





#47

Bromodichloromethane

Concen: 52.890 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

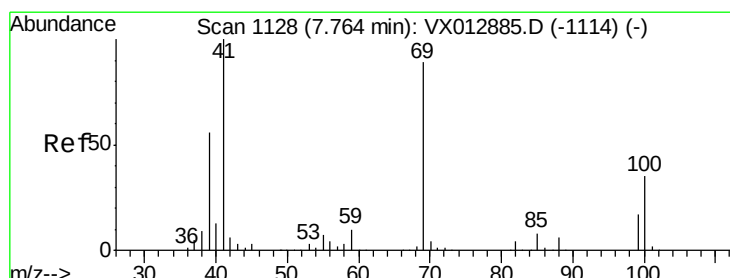
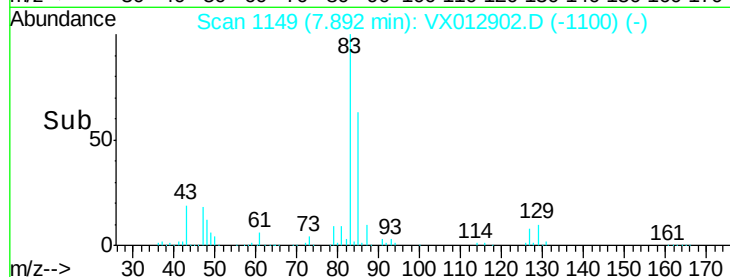
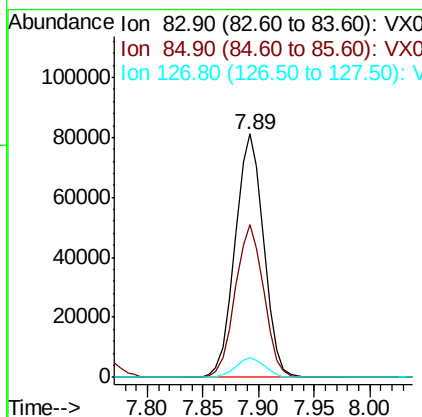
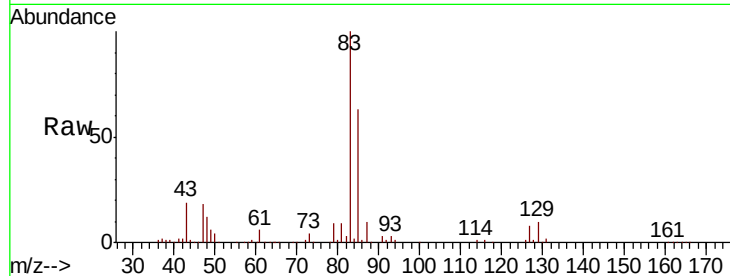
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	144015
Ion Ratio	Lower	Upper	
83	100		
85	62.7	52.4	78.6
127	8.0	6.6	10.0

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#48

Methyl methacrylate

Concen: 51.148 ug/l

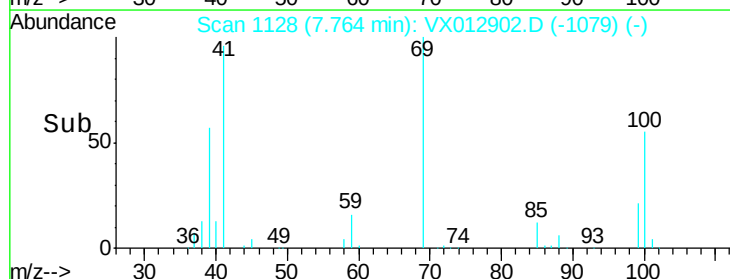
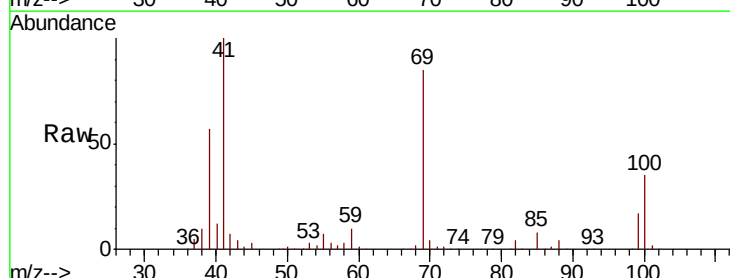
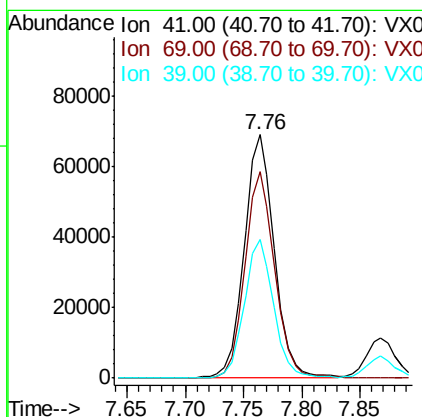
RT: 7.76 min Scan# 1128

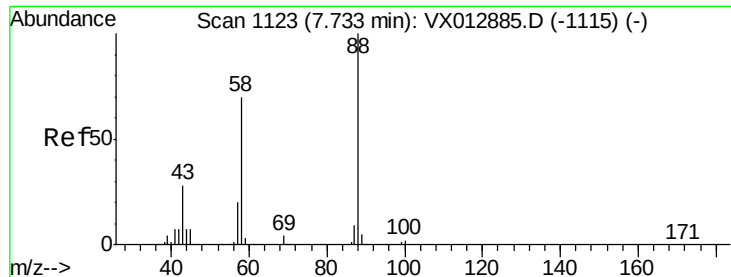
Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Tgt Ion:	41	Resp:	124454
Ion Ratio	Lower	Upper	
41	100		
69	84.3	68.7	103.1
39	55.6	44.3	66.5





#49

1,4-Dioxane

Concen: 938.759 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

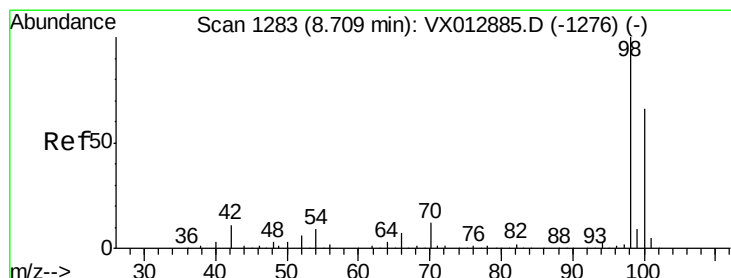
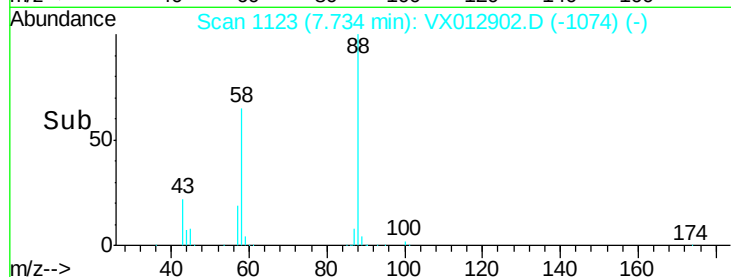
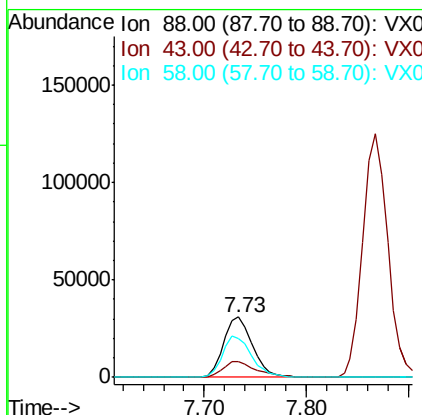
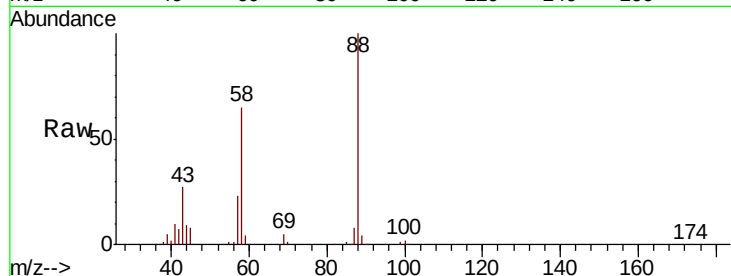
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	61152
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.0	37.6
58	69.4	55.4	83.2

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#50

Toluene-d8

Concen: 49.116 ug/l

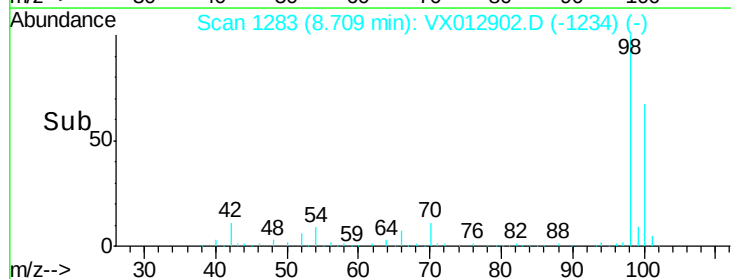
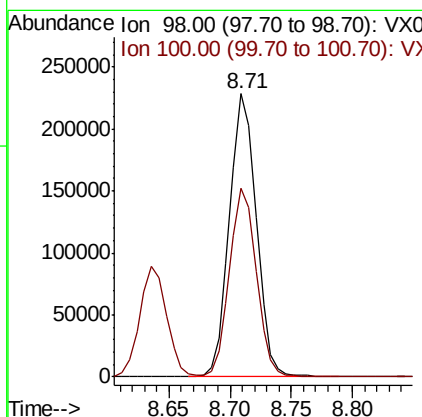
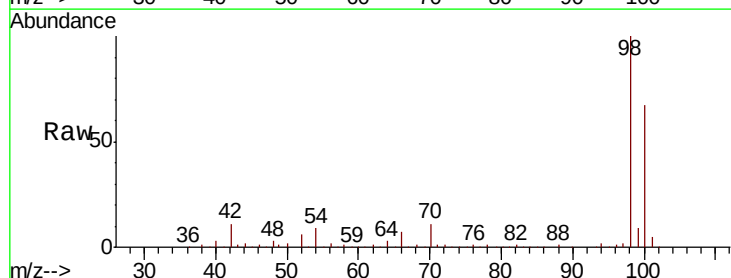
RT: 8.71 min Scan# 1283

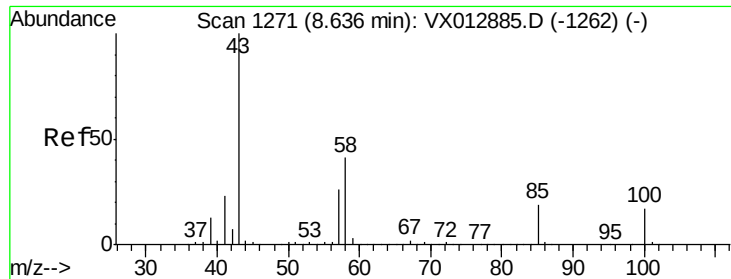
Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Tgt Ion:	98	Resp:	347913
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 251.508 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 782968

Ion Ratio Lower Upper

43 100

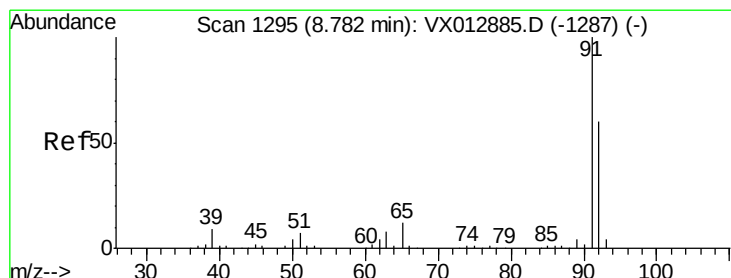
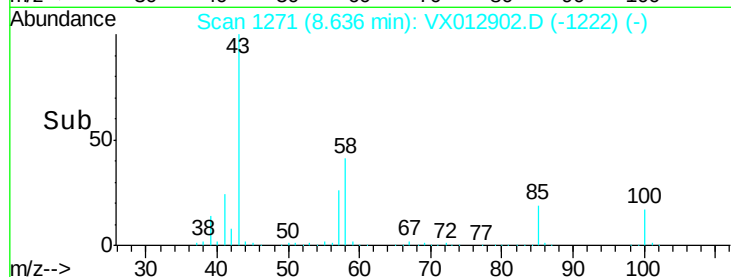
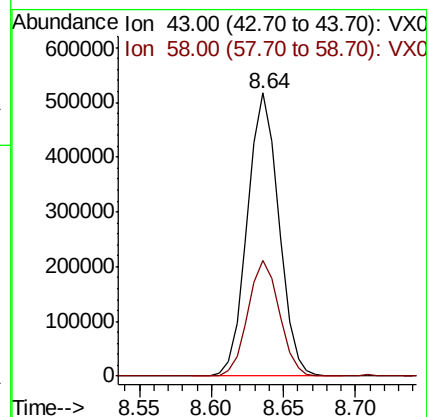
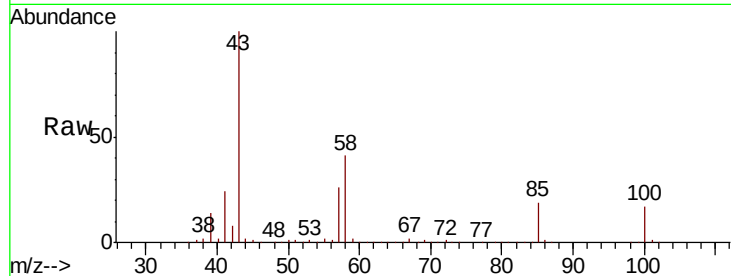
58 41.0 32.4 48.6

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#52

Toluene

Concen: 50.486 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012902.D

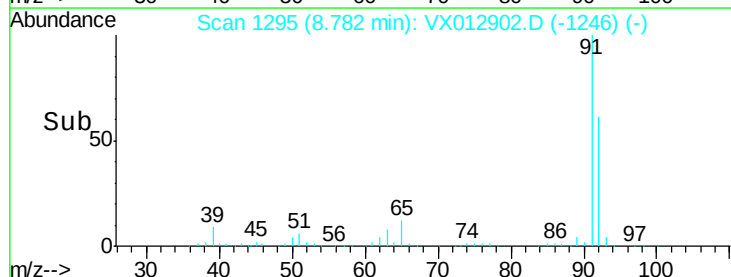
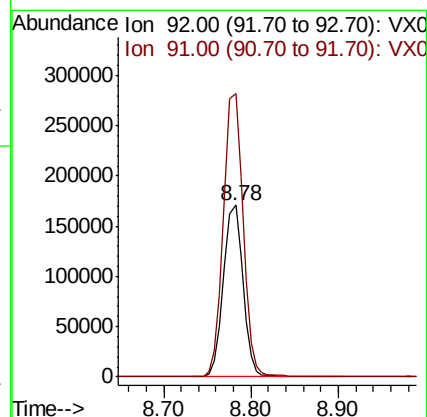
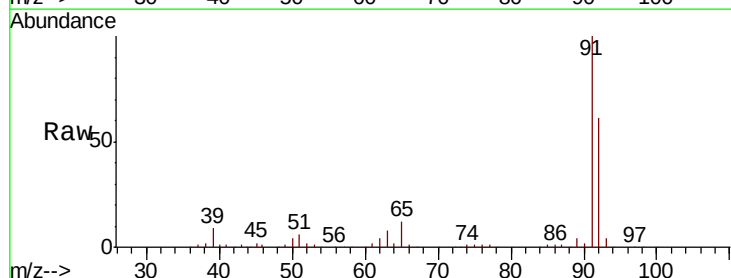
Acq: 08 Oct 2019 20:10

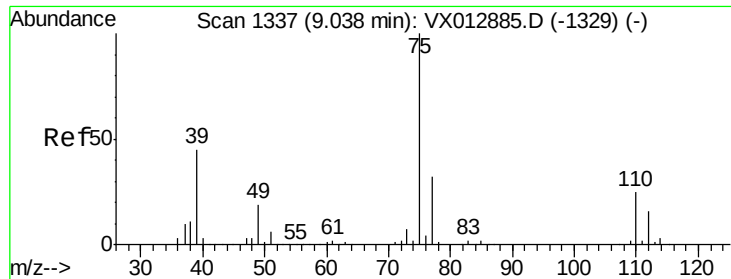
Tgt Ion: 92 Resp: 265396

Ion Ratio Lower Upper

92 100

91 167.0 135.9 203.9





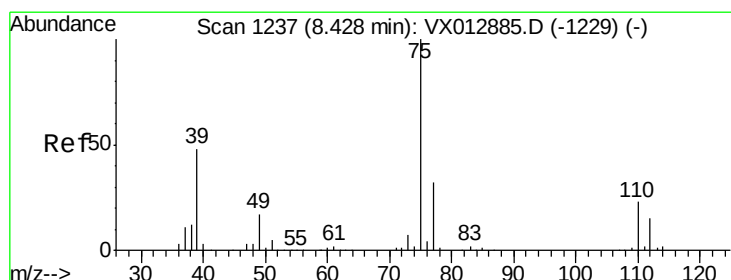
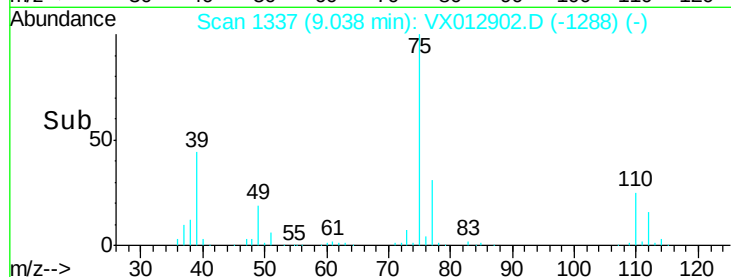
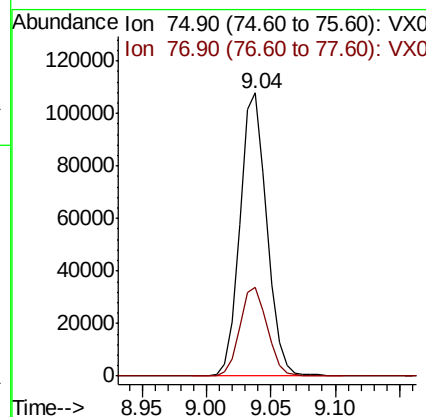
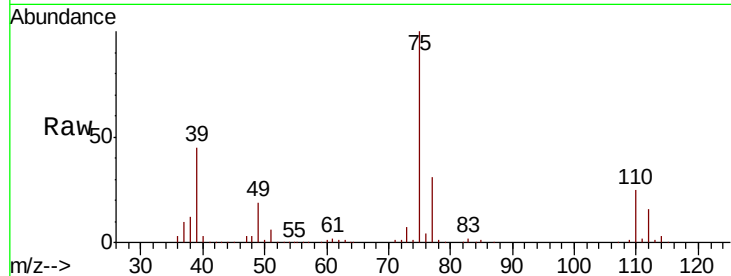
#53
 t-1,3-Dichloropropene
 Concen: 45.996 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 155684
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.6

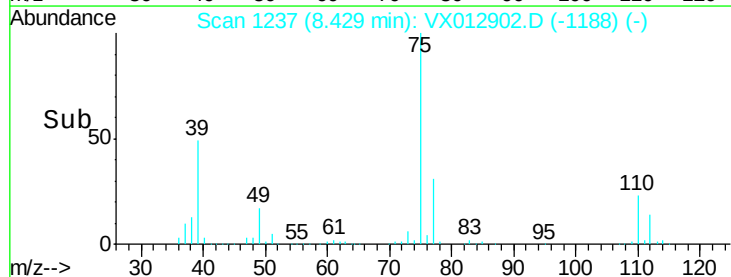
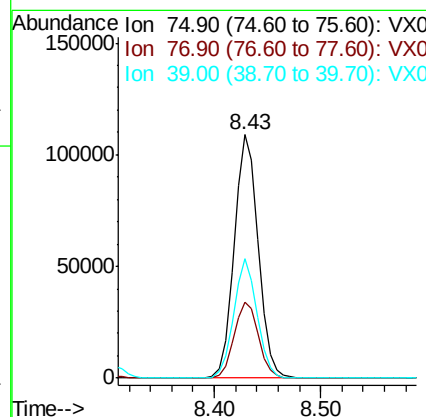
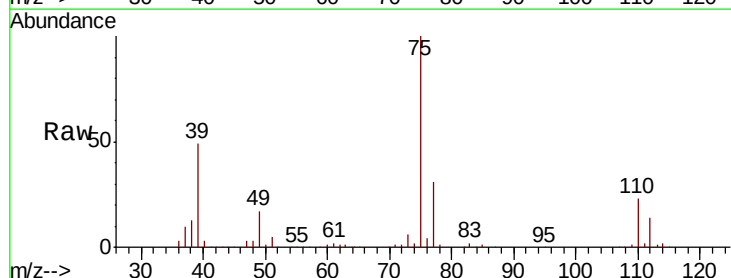
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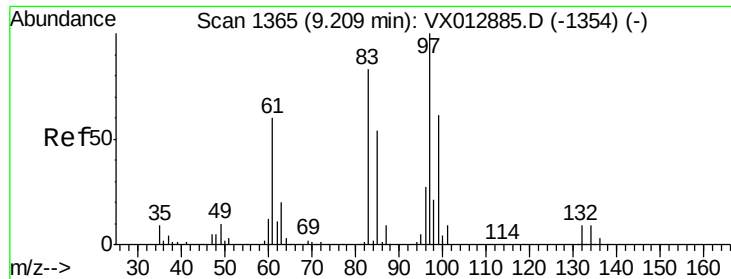
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#54
 cis-1,3-Dichloropropene
 Concen: 51.232 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion: 75 Resp: 171575
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.8 38.8
 39 48.9 38.2 57.2





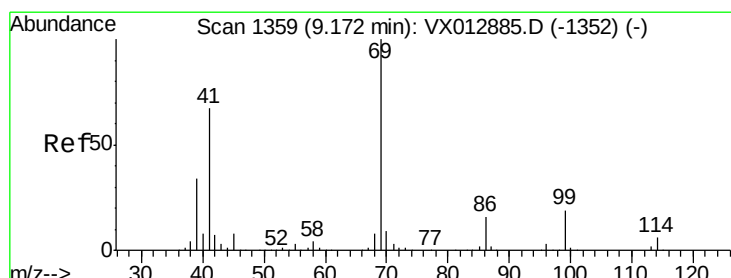
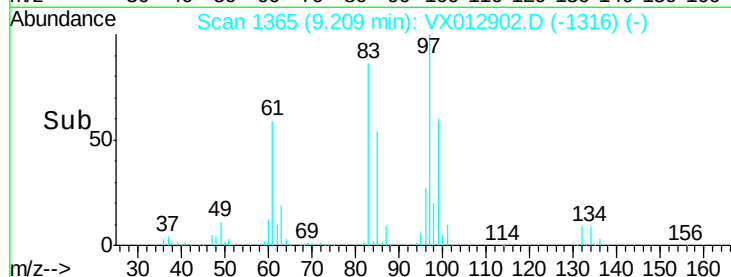
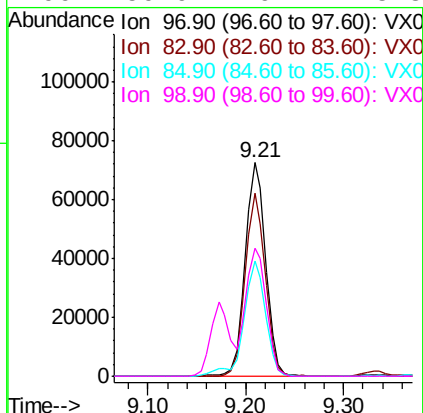
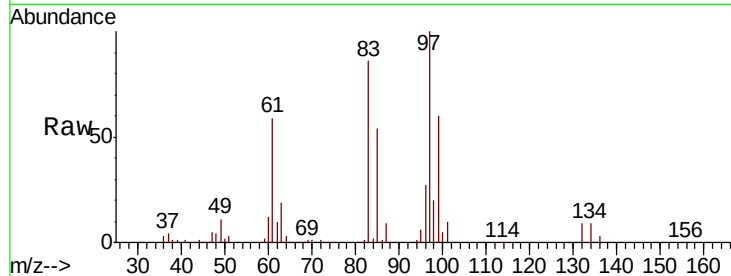
#55
 1,1,2-Trichloroethane
 Concen: 50.722 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	105519
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.5	99.7
85	53.9	43.1	64.7
99	59.9	49.2	73.8

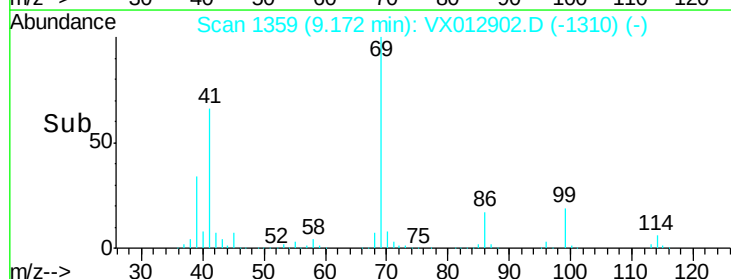
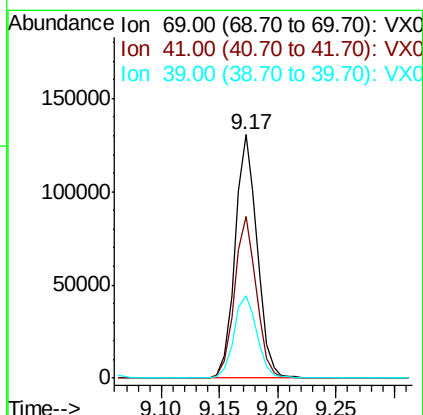
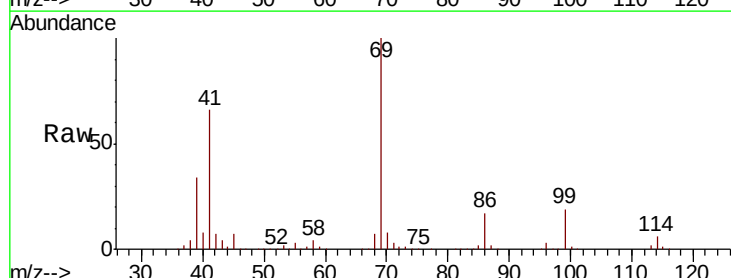
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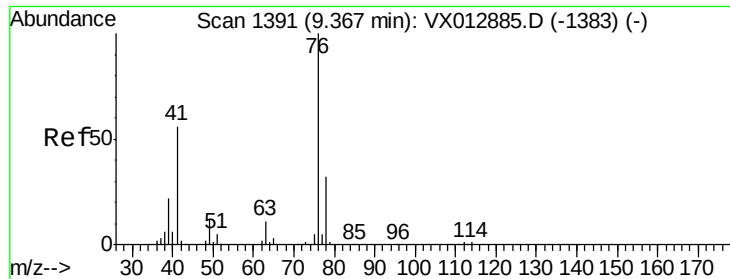
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#56
 Ethyl methacrylate
 Concen: 46.636 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion:	69	Resp:	173254
Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.1	78.1
39	35.0	27.8	41.8





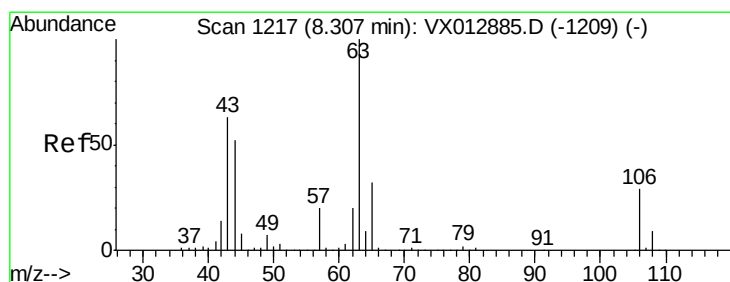
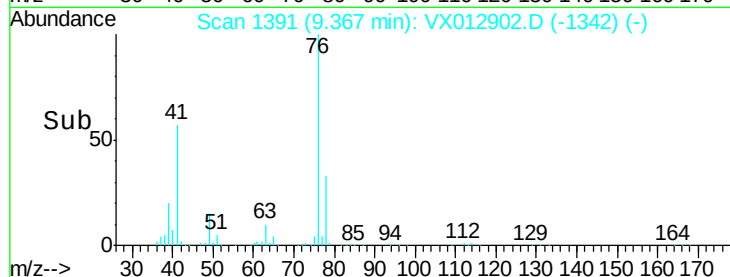
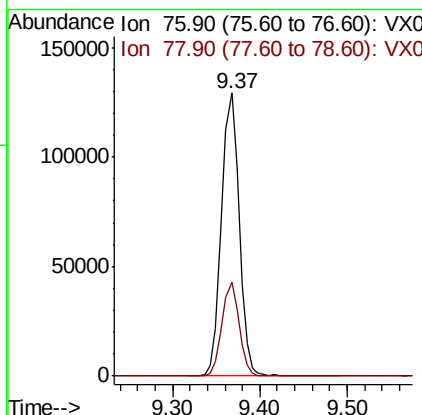
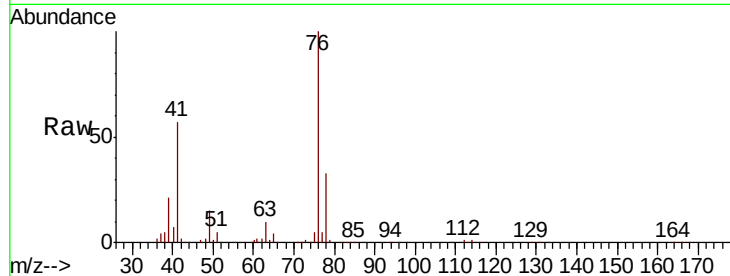
#57
 1,3-Dichloropropane
 Concen: 50.204 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 180667
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

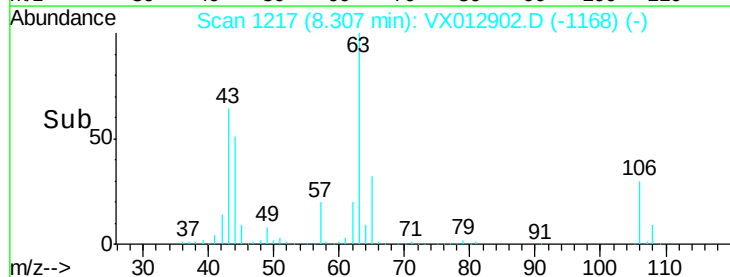
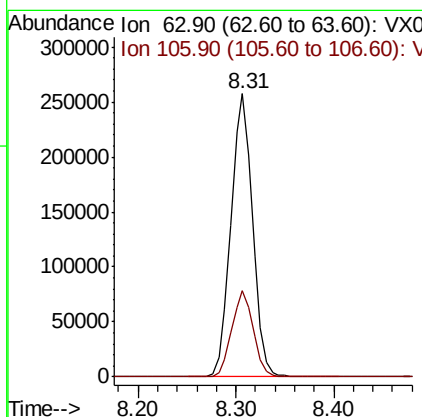
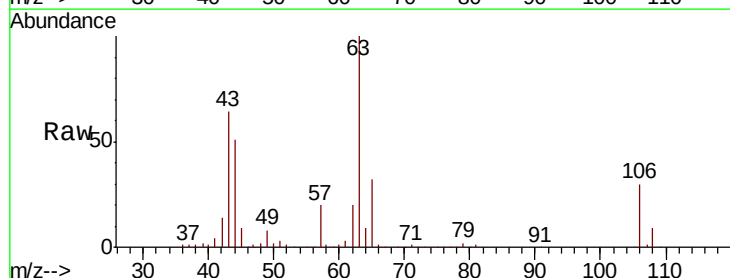
Manual Integrations
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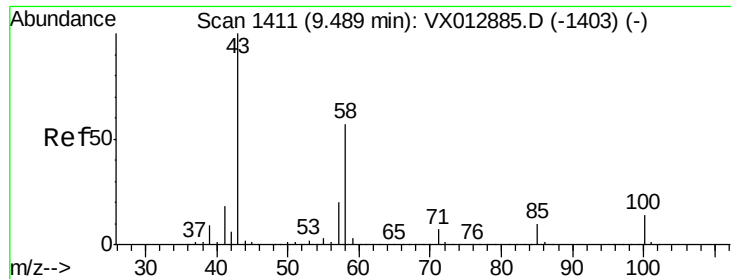
MMDadoda
 10/9/2019 10:36:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.071 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion: 63 Resp: 395932
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.8 35.8





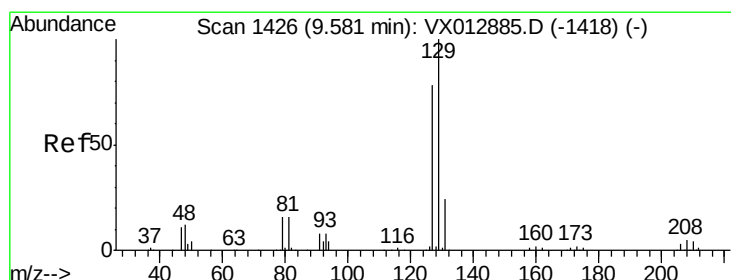
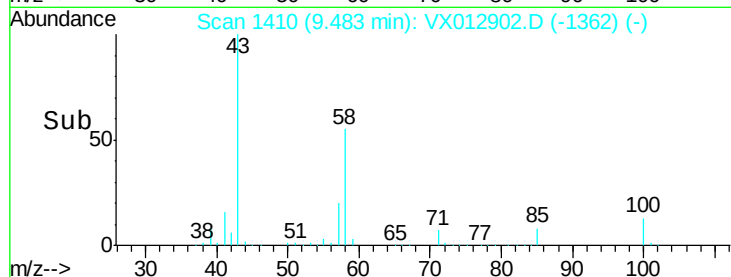
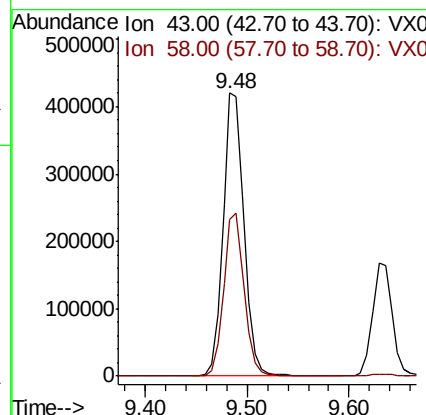
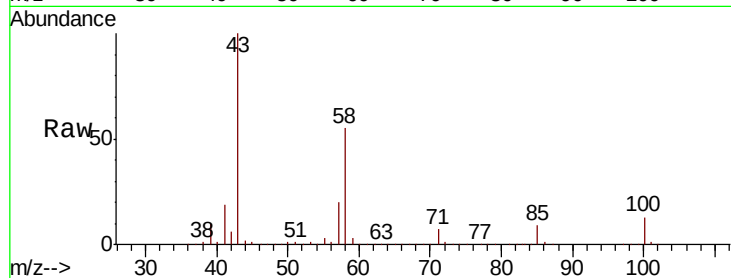
#59
2-Hexanone
Concen: 247.993 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 600972
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.3

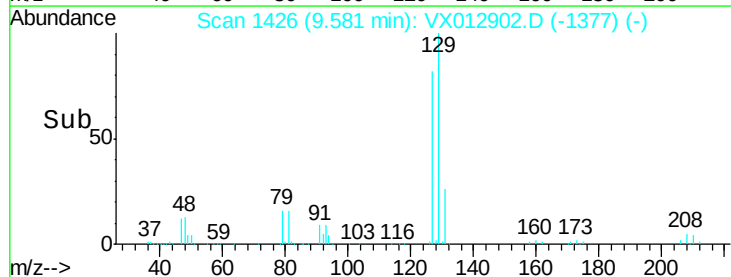
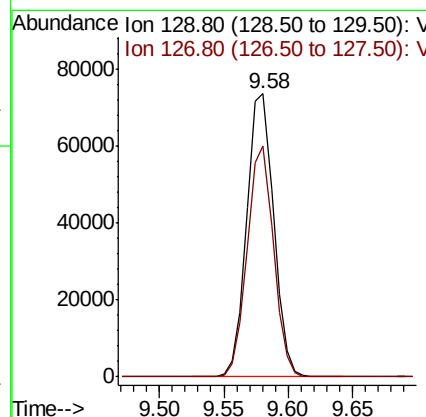
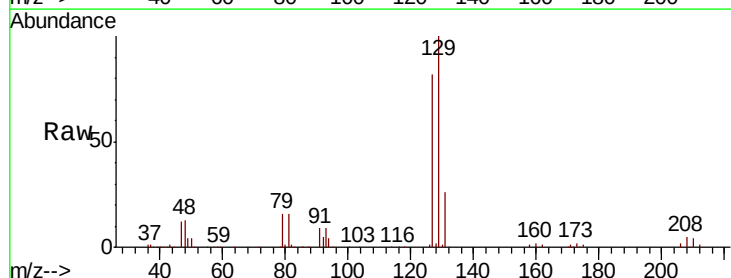
Manual Integrations
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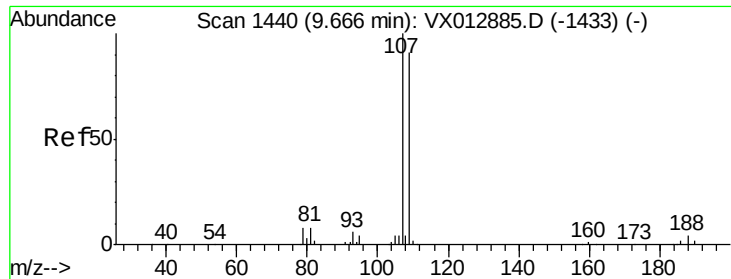
MMDadoda
10/9/2019 10:36:14 AM



#60
Dibromochloromethane
Concen: 45.995 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion: 129 Resp: 106125
Ion Ratio Lower Upper
129 100
127 79.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 50.608 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 110753

Ion Ratio Lower Upper

107 100

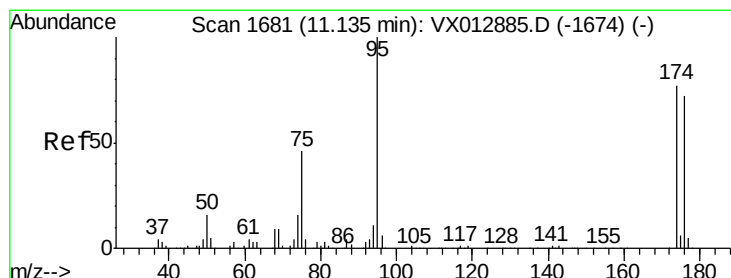
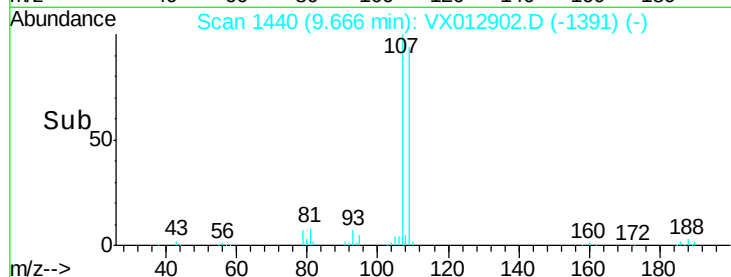
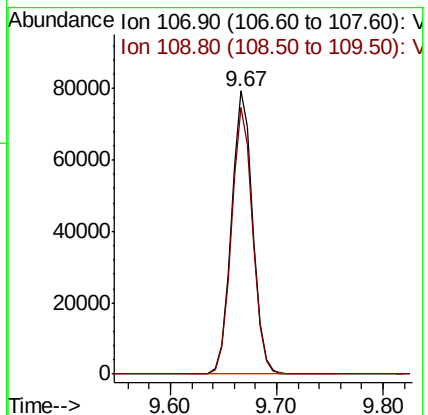
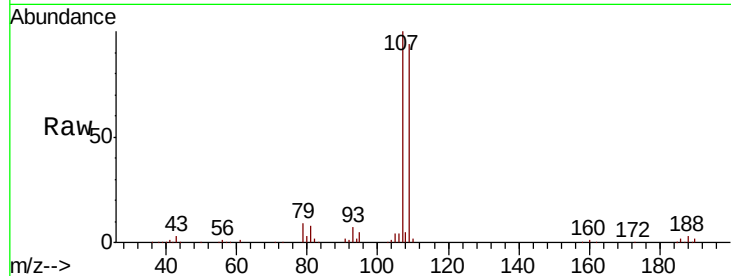
109 93.9 75.8 113.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.207 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

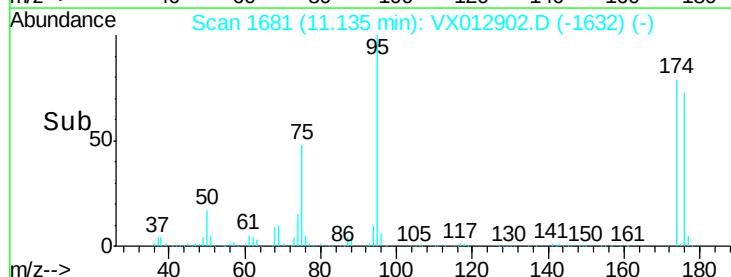
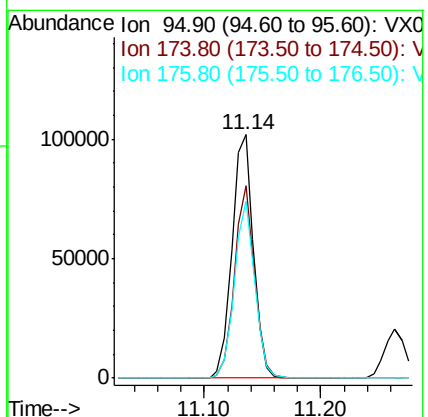
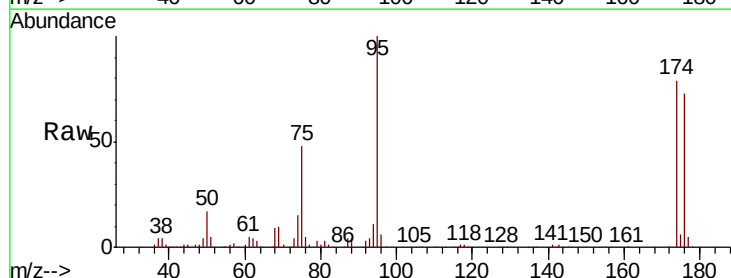
Tgt Ion: 95 Resp: 129928

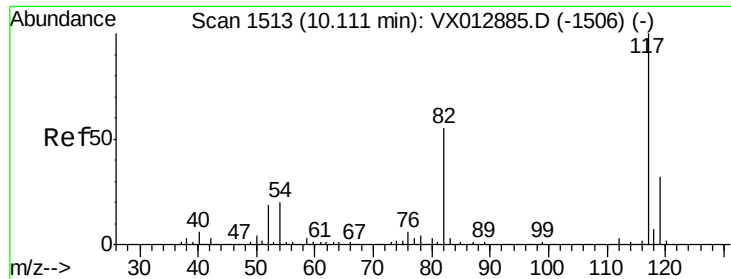
Ion Ratio Lower Upper

95 100

174 74.6 0.0 143.4

176 69.6 0.0 136.0





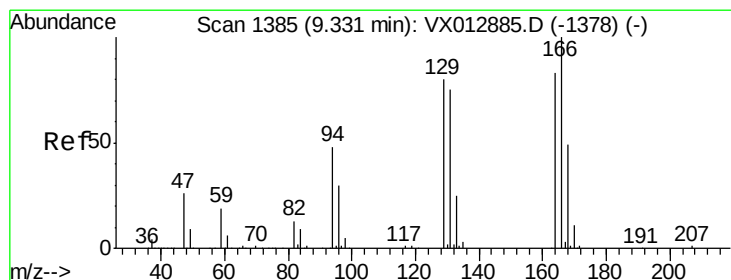
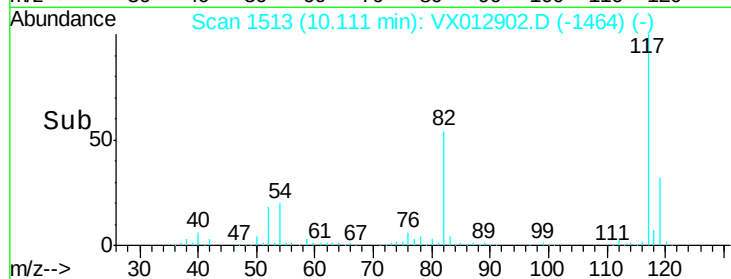
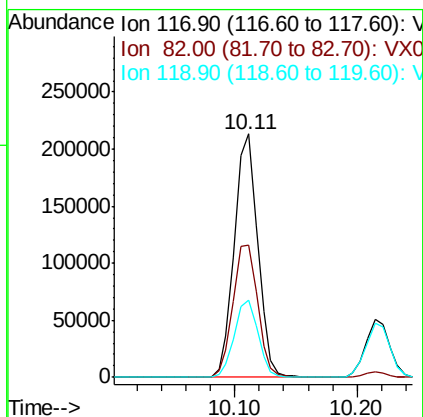
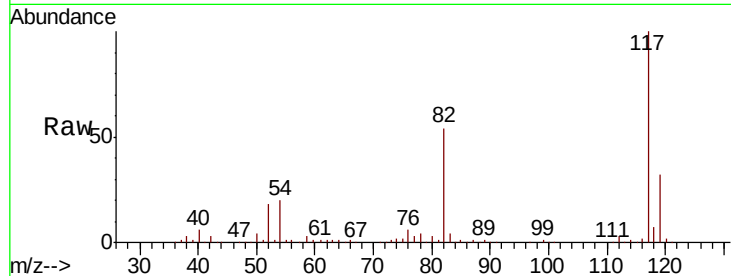
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.1	66.1
119	31.6	25.8	38.8

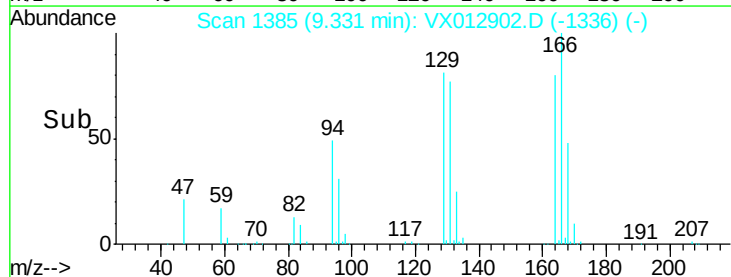
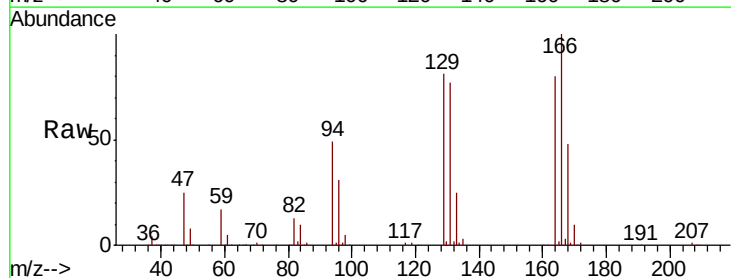
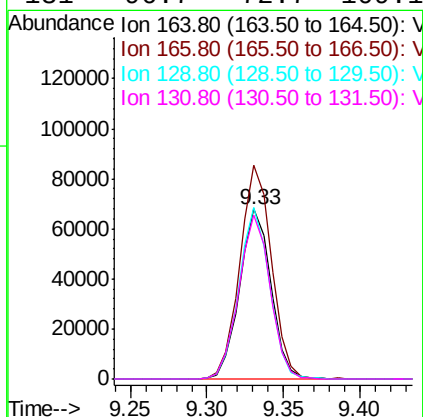
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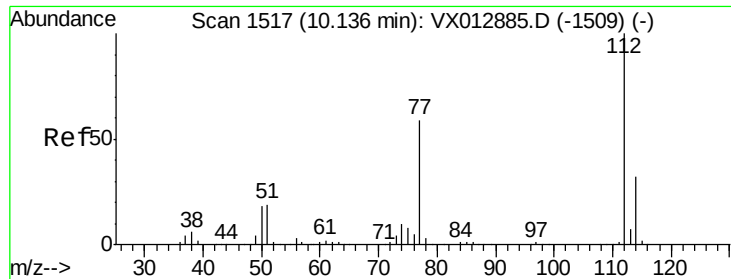
MMDadoda
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#64
Tetrachloroethene
Concen: 49.139 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	96.9	145.3
129	101.2	77.9	116.9
131	96.7	72.7	109.1





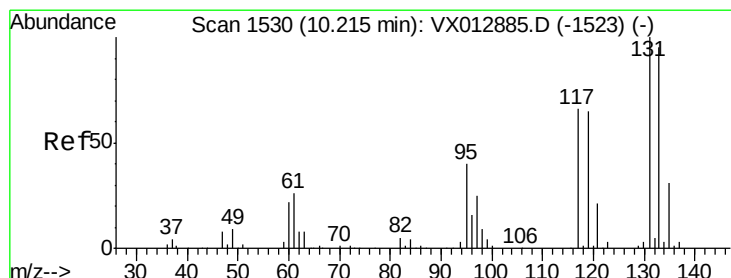
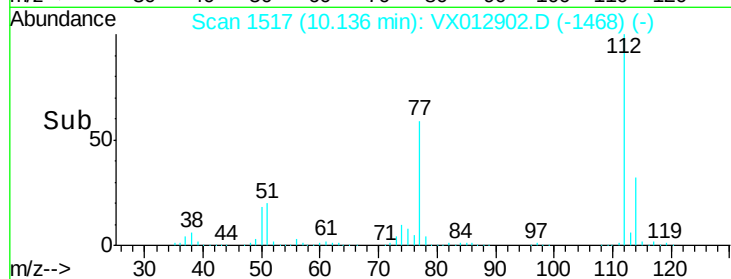
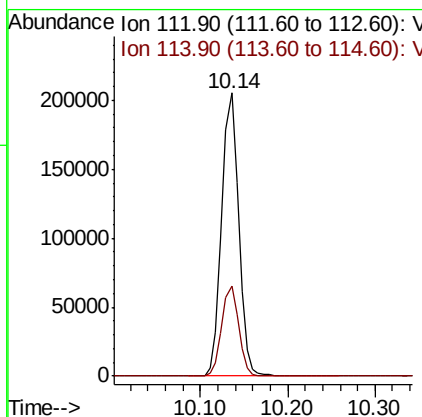
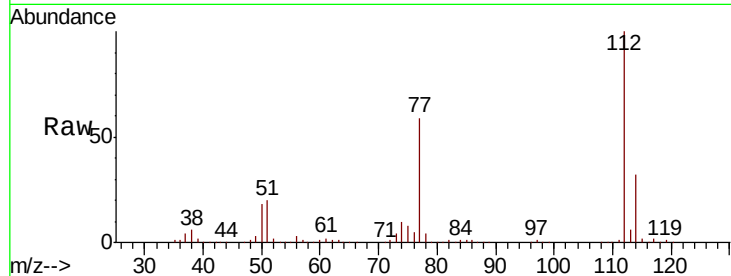
#65
Chlorobenzene
Concen: 49.135 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 275812
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

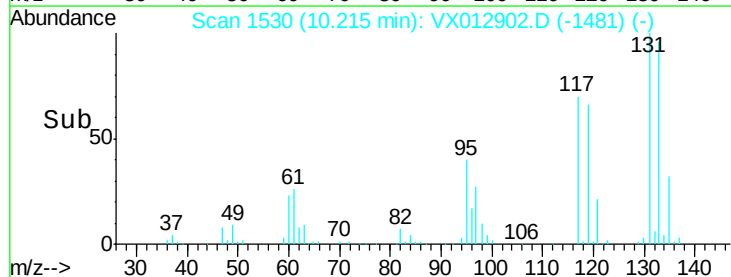
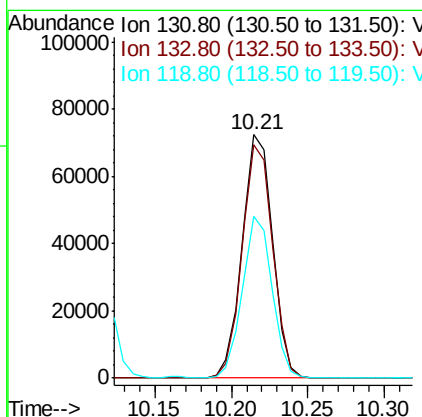
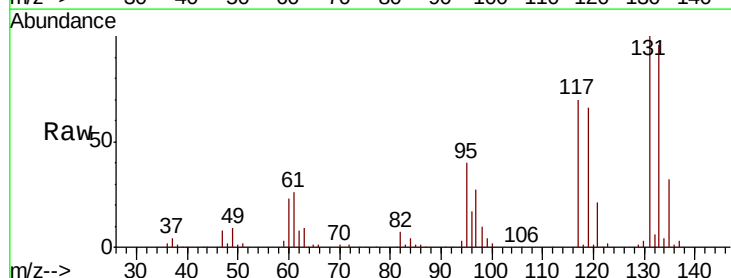
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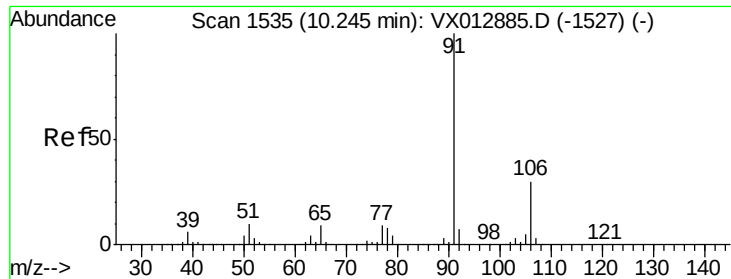
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.495 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion:131 Resp: 100224
Ion Ratio Lower Upper
131 100
133 96.1 47.2 141.6
119 64.9 32.6 98.0





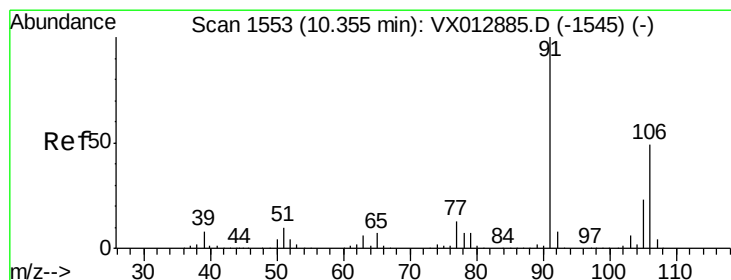
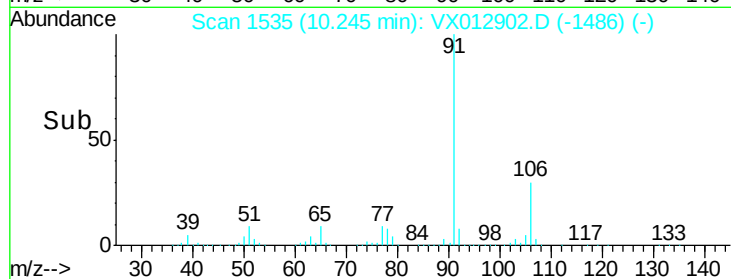
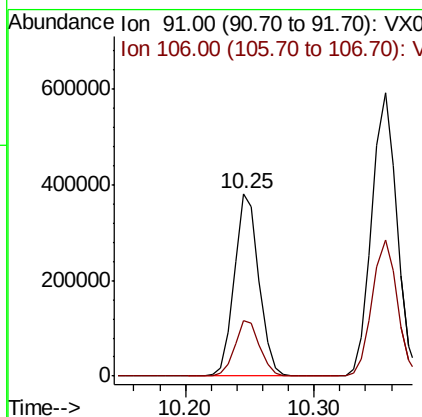
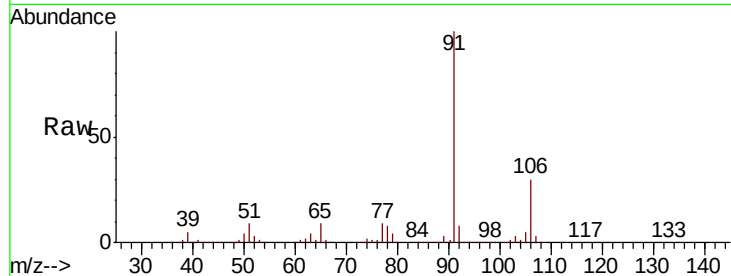
#67
Ethyl Benzene
Concen: 50.856 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 507079
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9

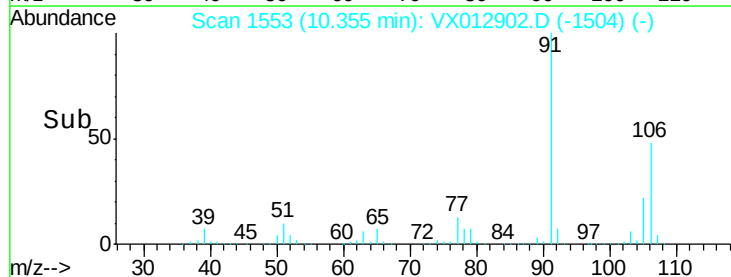
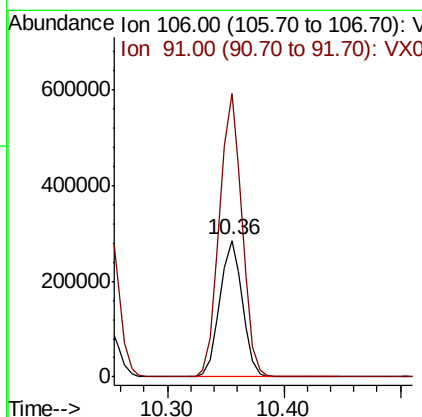
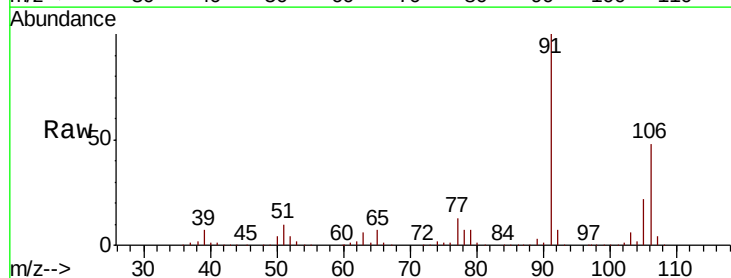
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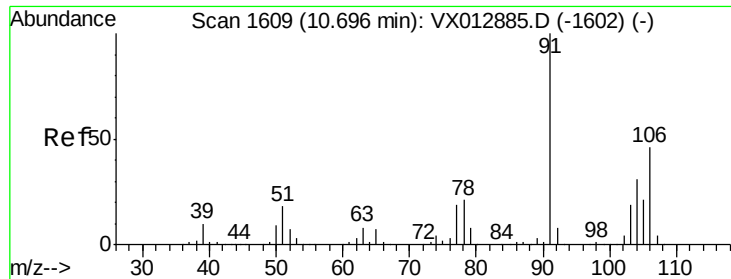
MMDadoda
10/9/2019 10:36:14 AM



#68
m/p-Xylenes
Concen: 102.401 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion: 106 Resp: 381439
Ion Ratio Lower Upper
106 100
91 207.2 165.3 247.9





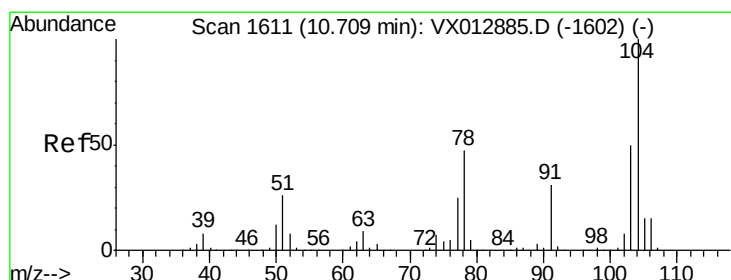
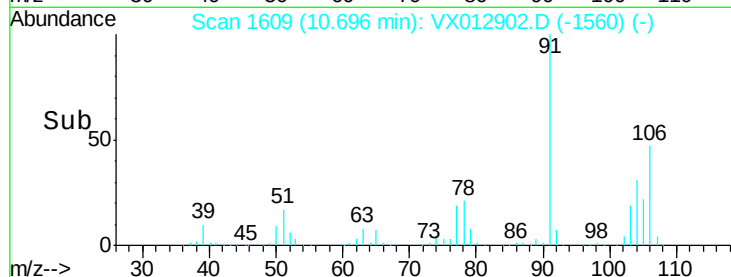
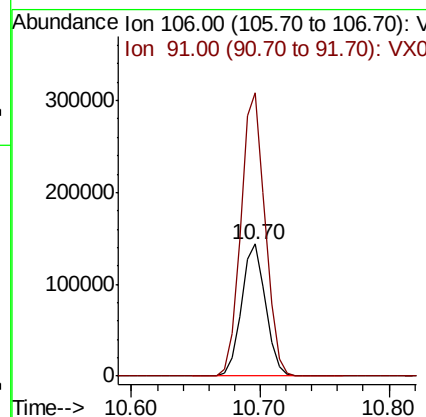
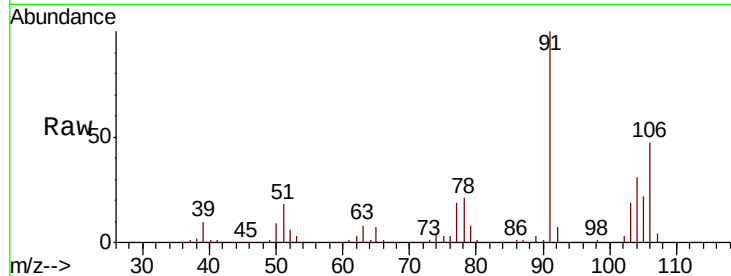
#69
o-Xylene
Concen: 51.063 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.1	327.3

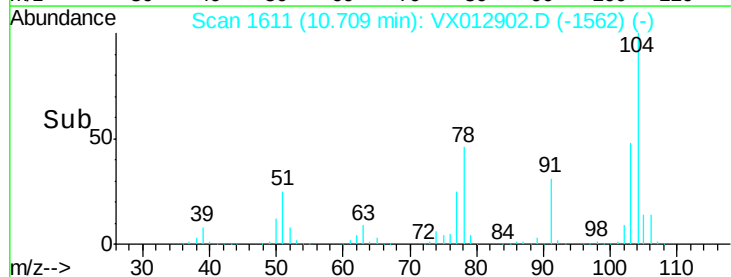
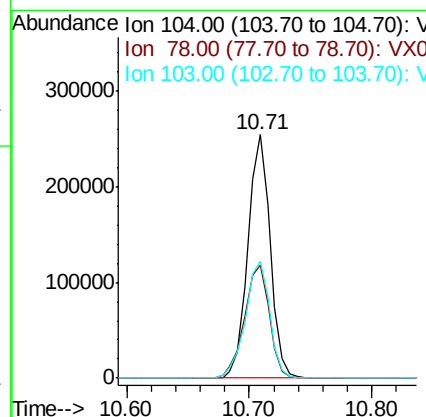
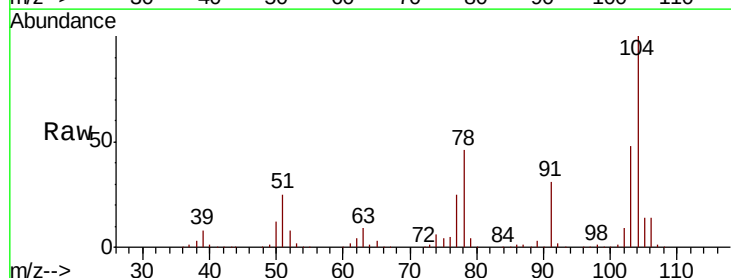
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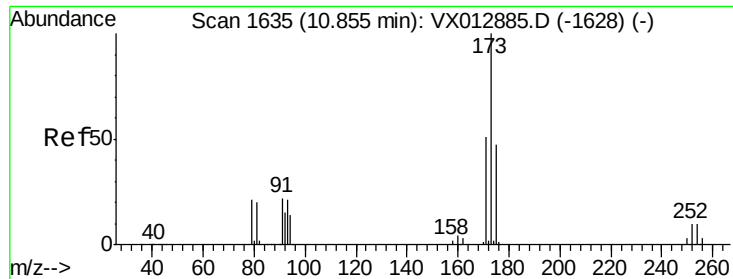
MMDadoda
10/9/2019 10:36:14 AM



#70
Styrene
Concen: 51.948 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.2	61.8
103	52.8	43.0	64.4





#71

Bromoform

Concen: 45.851 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 75563

Ion Ratio Lower Upper

173 100

175 47.3 24.1 72.3

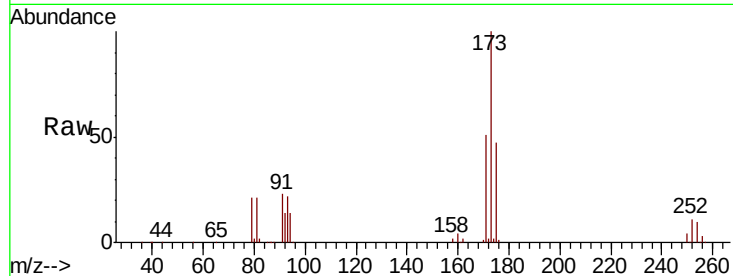
254 0.1 0.1 0.1#

Manual Integrations

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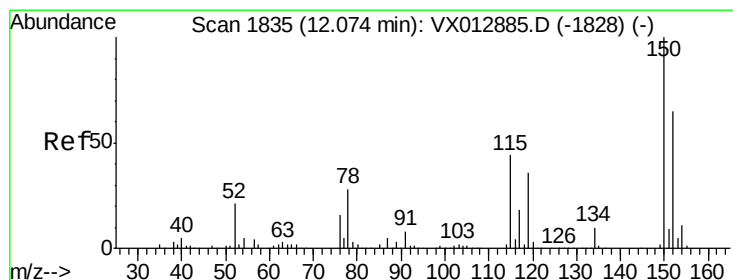
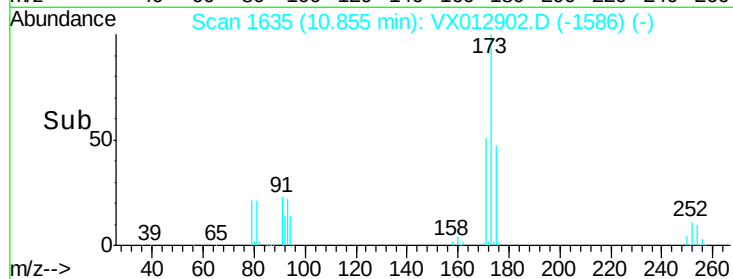
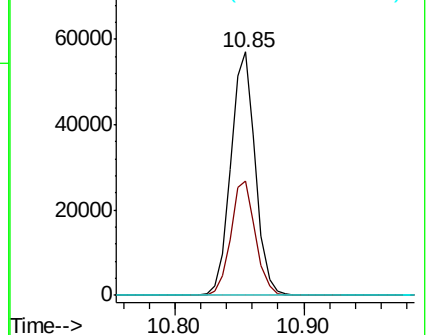
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX012902.D

Acq: 08 Oct 2019 20:10

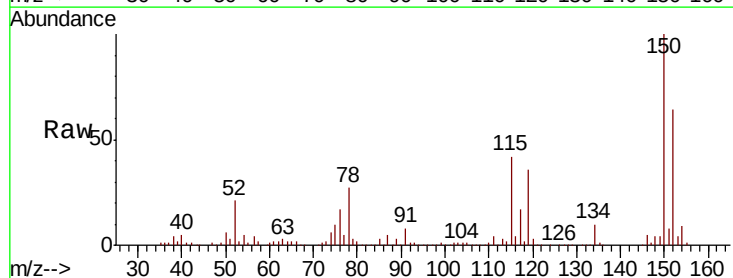
Tgt Ion:152 Resp: 133903

Ion Ratio Lower Upper

152 100

115 84.7 44.5 133.5

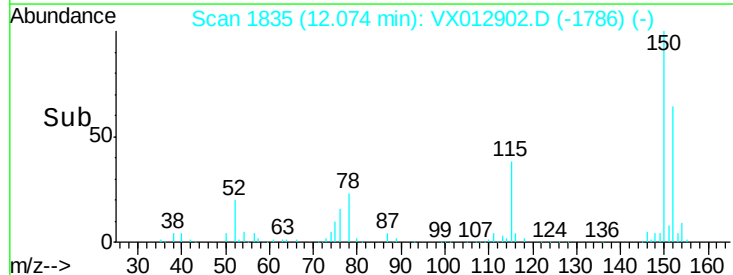
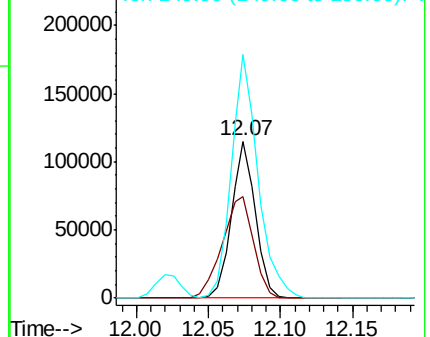
150 173.1 0.0 353.4

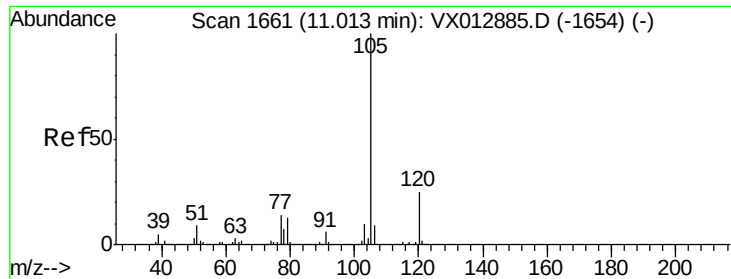


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.280 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 494995

Ion Ratio Lower Upper

105 100

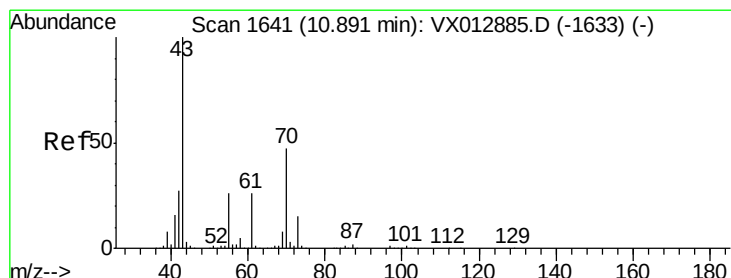
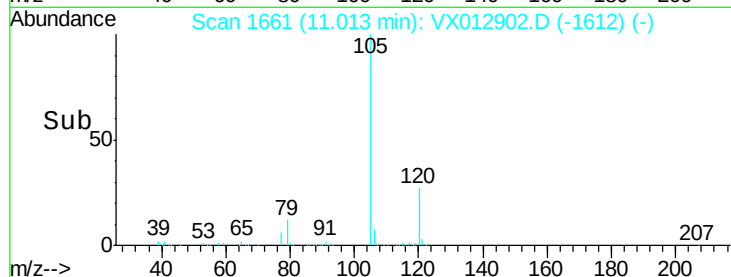
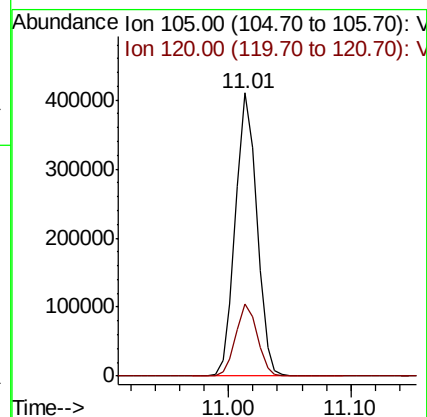
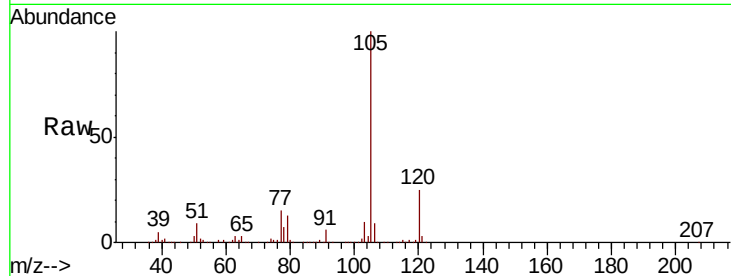
120 25.7 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.130 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Tgt Ion: 43 Resp: 221027

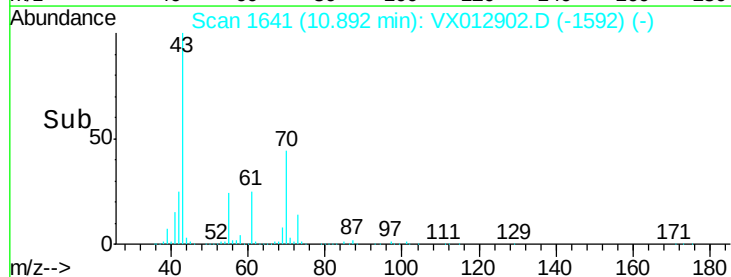
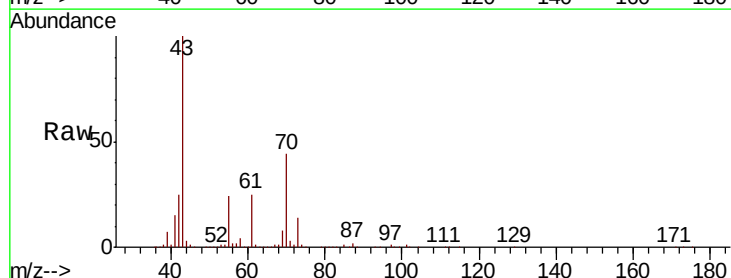
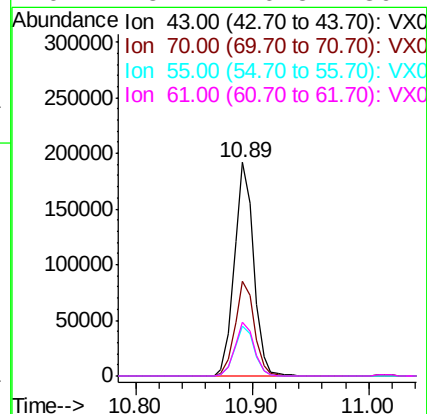
Ion Ratio Lower Upper

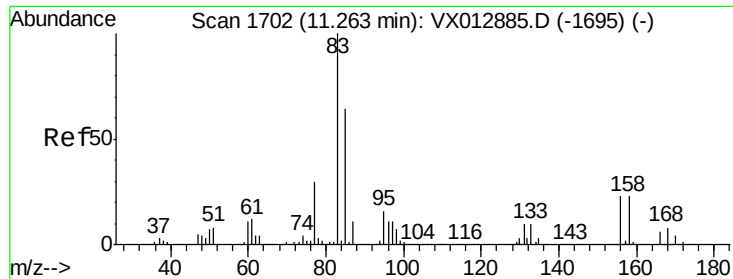
43 100

70 44.9 36.4 54.6

55 24.3 20.2 30.2

61 25.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.781 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

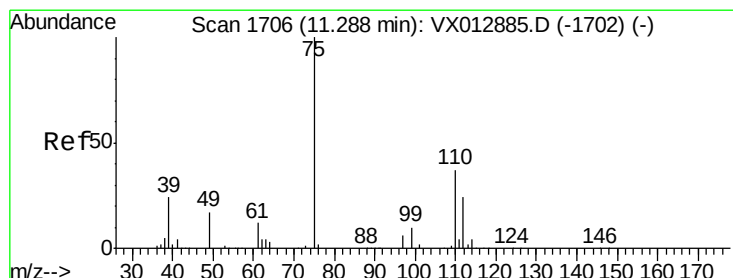
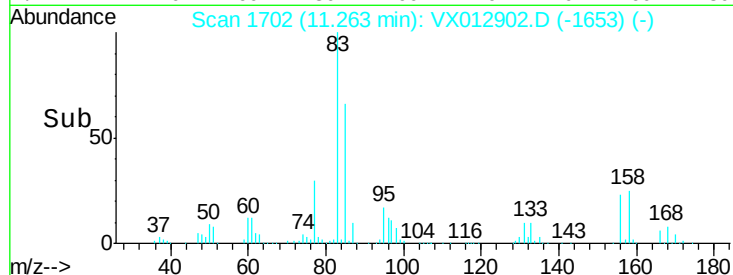
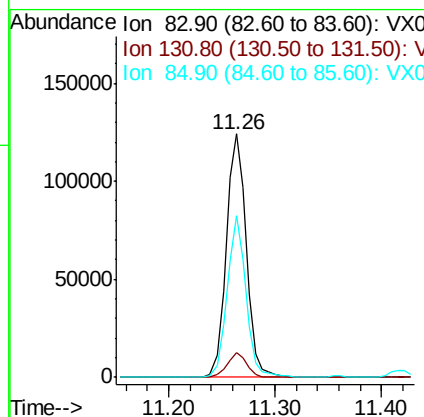
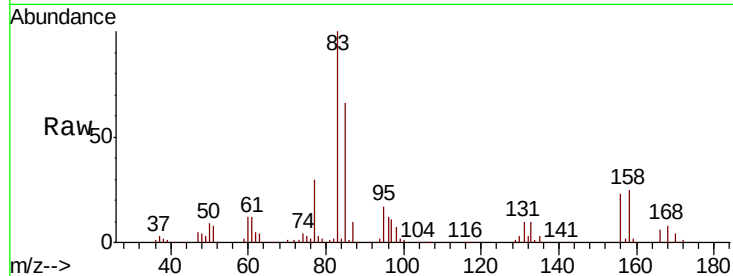
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	163002
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	62.4	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.411 ug/l m

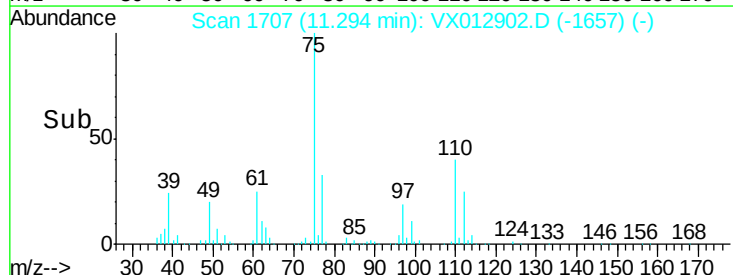
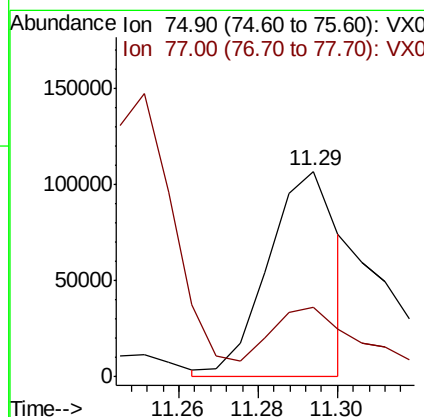
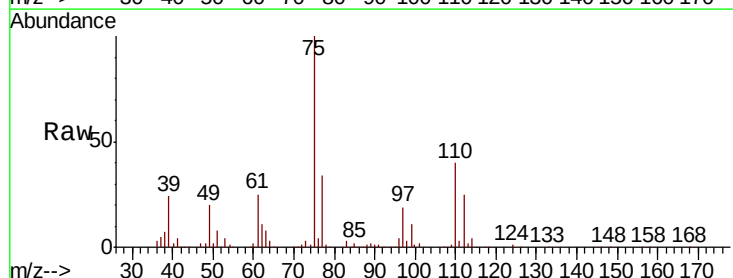
RT: 11.29 min Scan# 1707

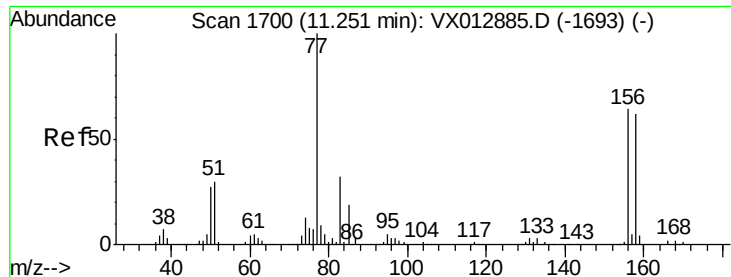
Delta R.T. 0.01 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Tgt Ion:	75	Resp:	128928
Ion Ratio	Lower	Upper	
75	100		
77	45.2	22.9	68.8





#77

Bromobenzene

Concen: 48.471 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

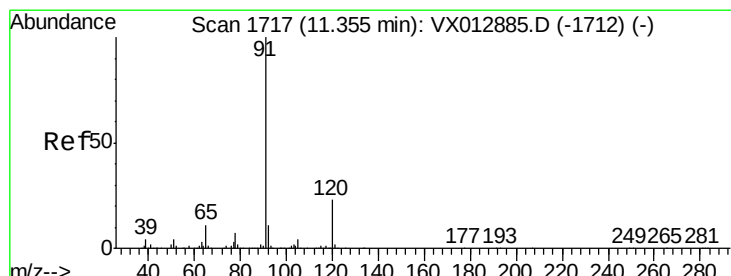
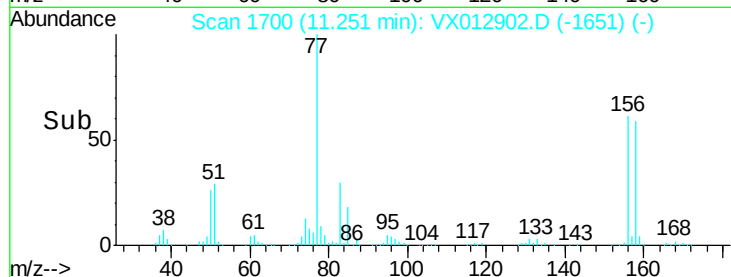
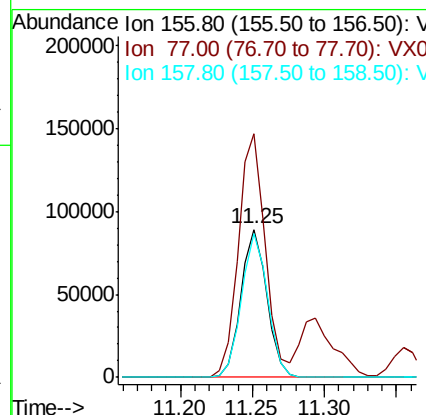
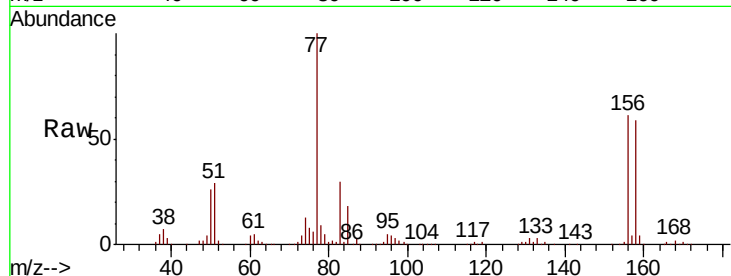
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	112447
Ion Ratio	Lower	Upper	
156	100		
77	171.0	83.7	251.0
158	97.4	48.6	145.9

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#78

n-propylbenzene

Concen: 51.149 ug/l

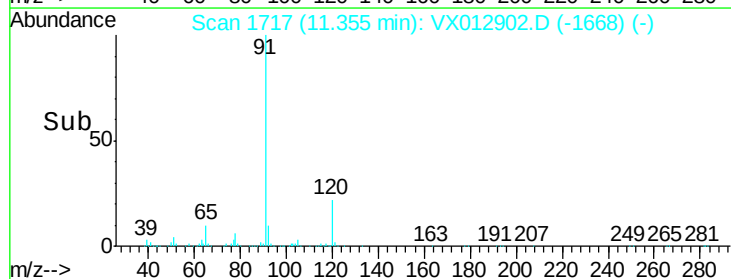
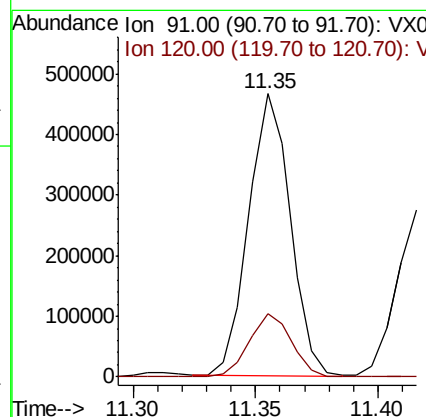
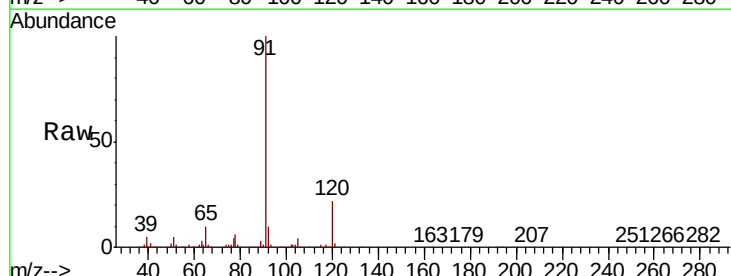
RT: 11.35 min Scan# 1717

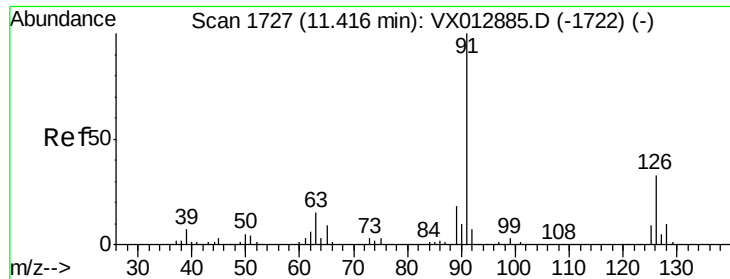
Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Tgt Ion:	91	Resp:	554091
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.7	35.1





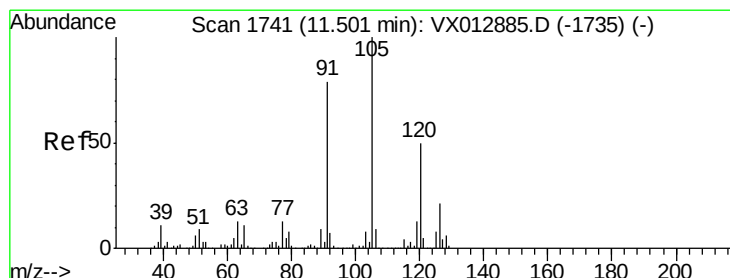
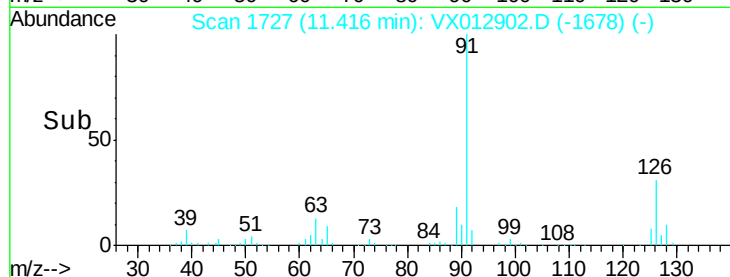
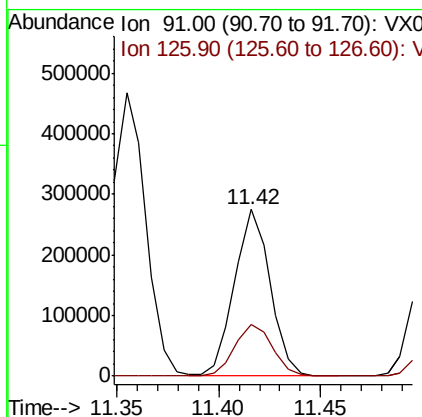
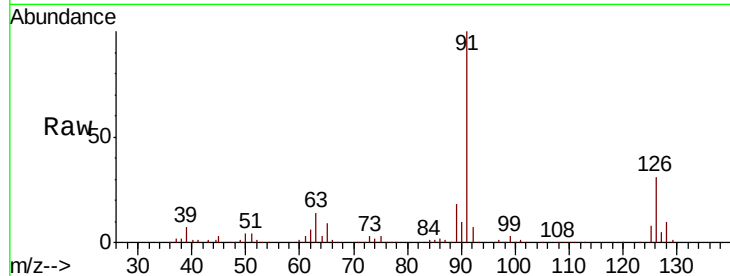
#79
 2-Chlorotoluene
 Concen: 48.807 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 91 Resp: 332288
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.3 48.8

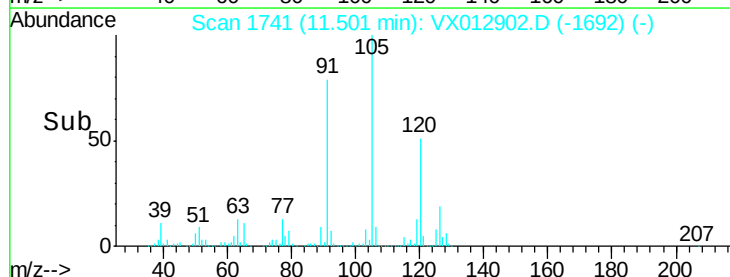
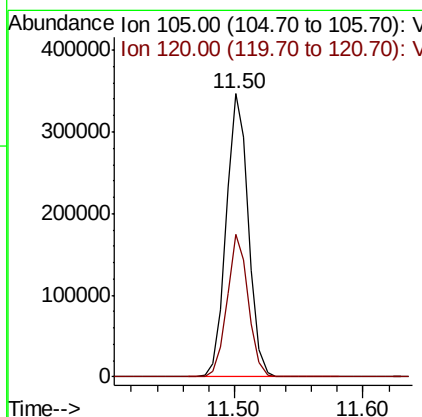
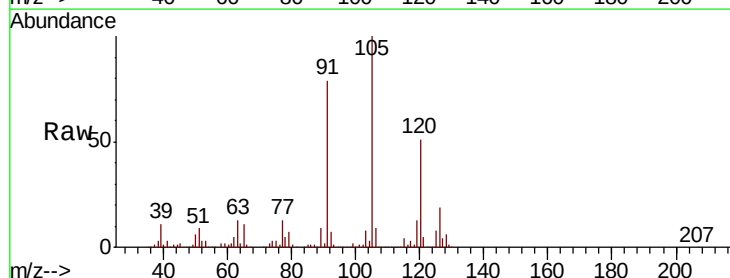
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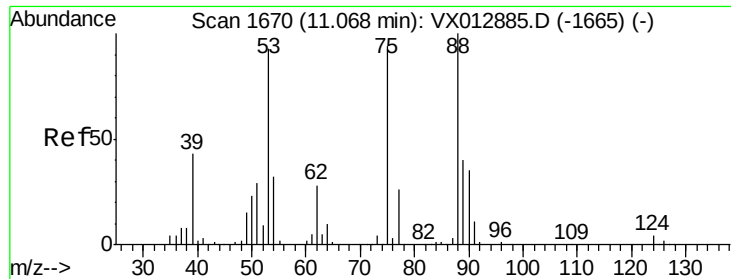
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.835 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion: 105 Resp: 417885
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.8 74.3





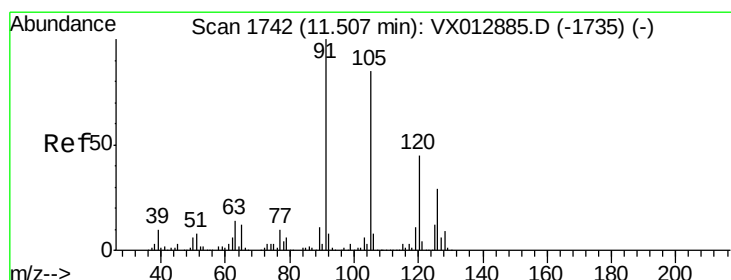
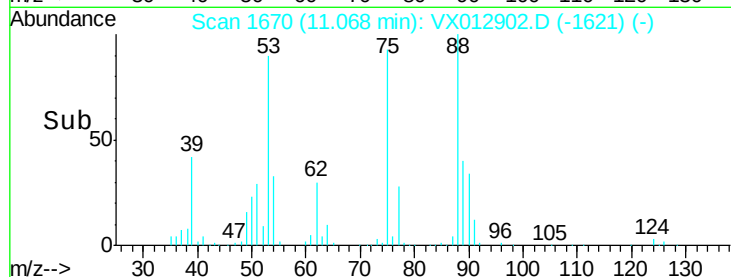
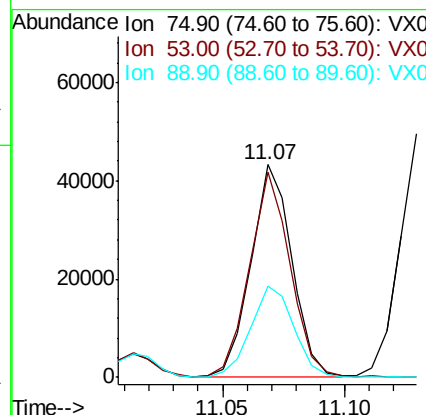
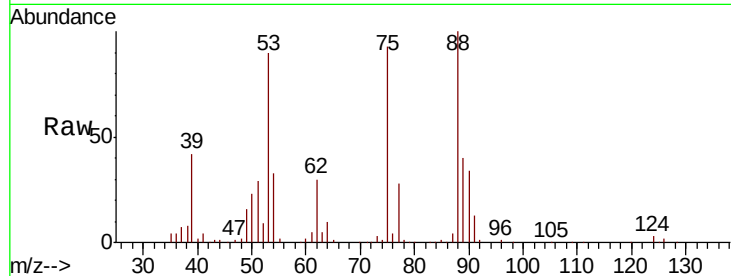
#81
trans-1,4-Dichloro-2-butene
Concen: 44.180 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.5	78.5	117.7
89	45.4	37.4	56.2

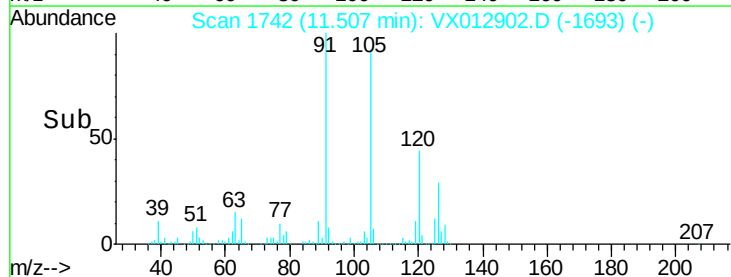
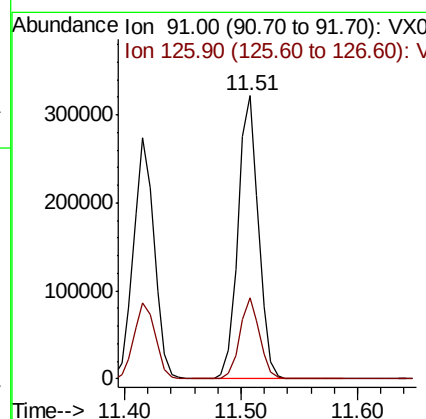
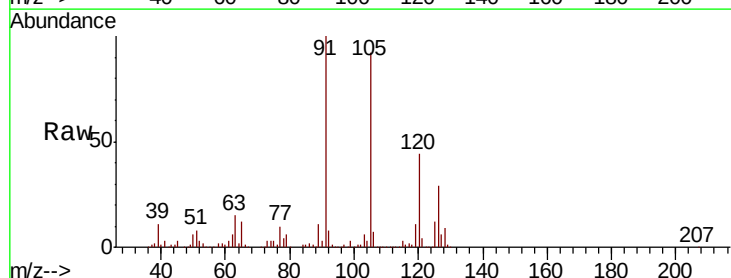
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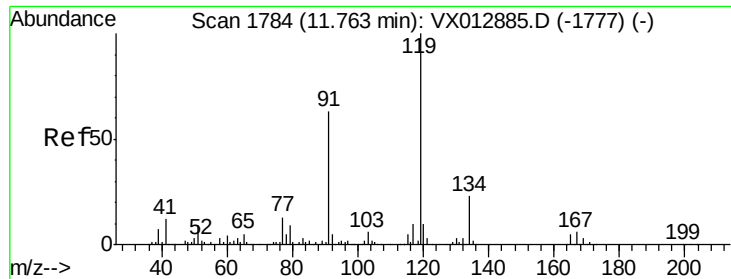
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#82
4-Chlorotoluene
Concen: 50.343 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6





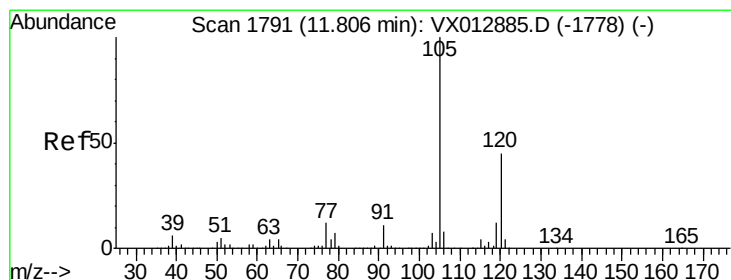
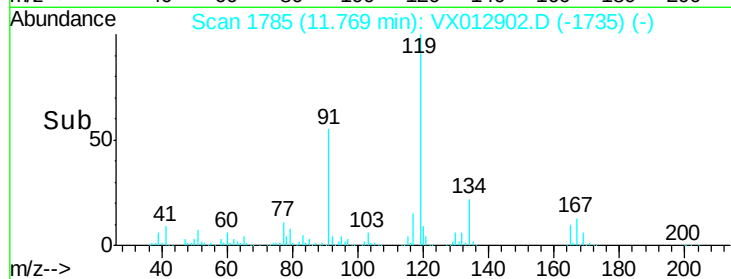
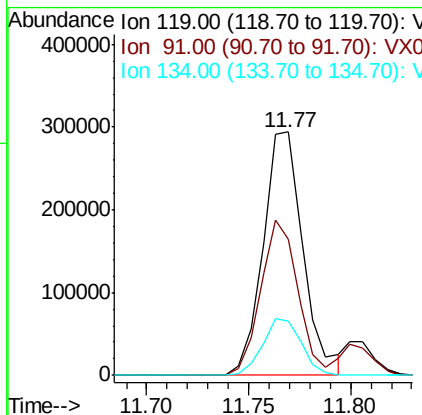
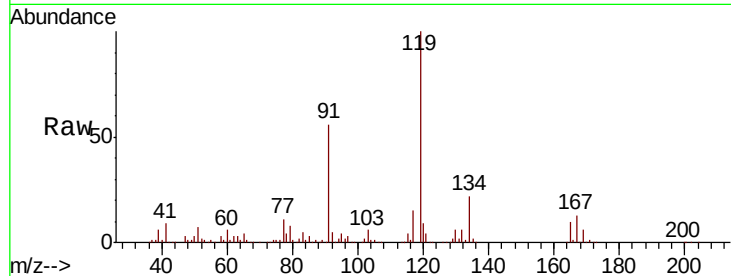
#83
 tert-Butylbenzene
 Concen: 50.208 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	402618		
91	59.1	29.3	87.9	
134	22.5	11.5	34.4	

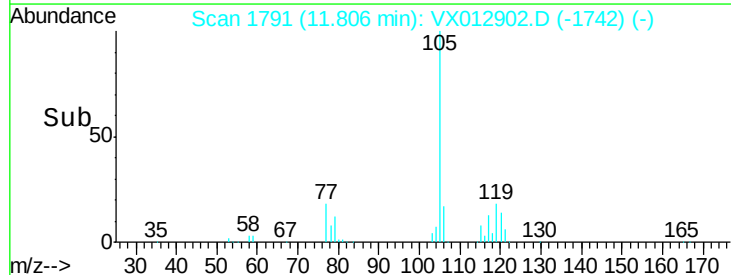
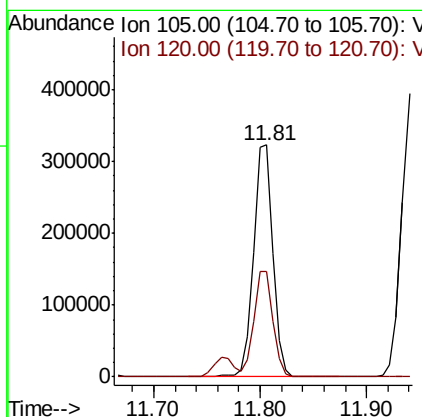
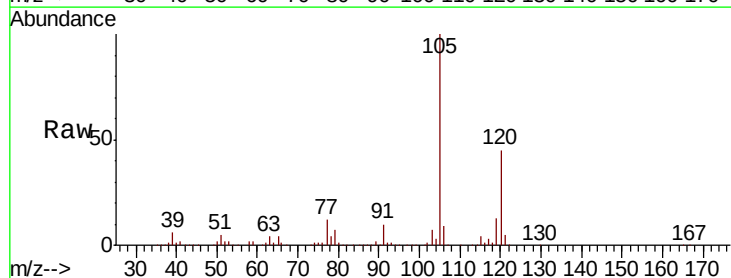
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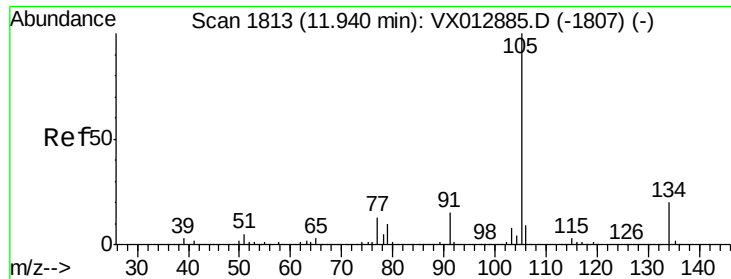
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.420 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	411442		
120	44.7	21.8	65.3	





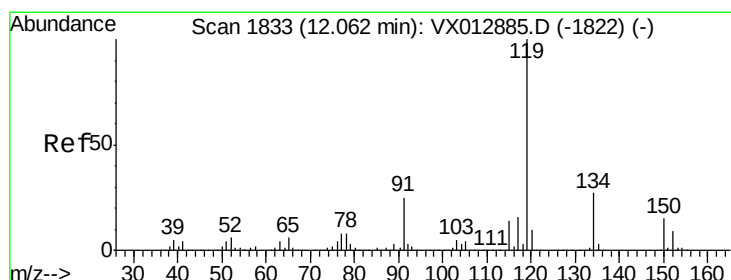
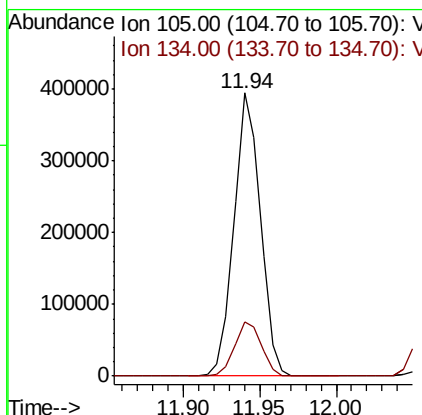
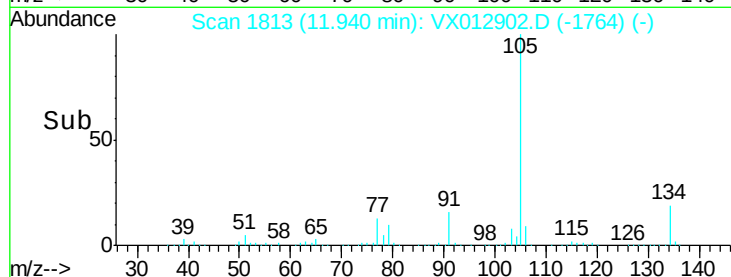
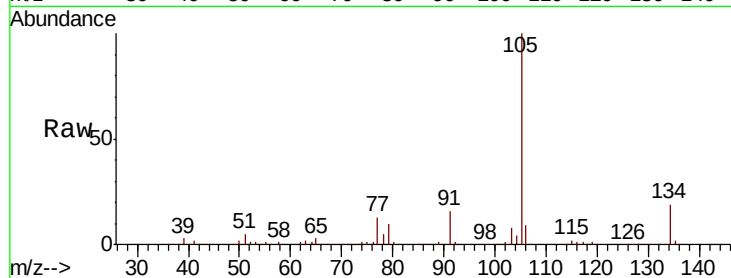
#85
 sec-Butylbenzene
 Concen: 50.850 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 472413
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.0 30.0

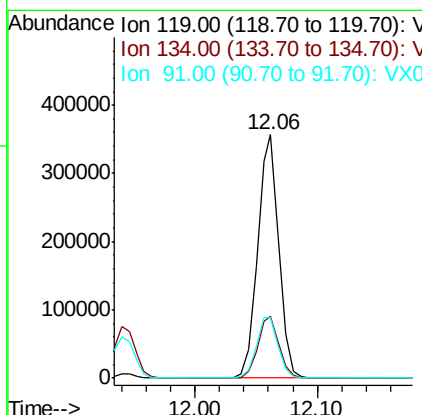
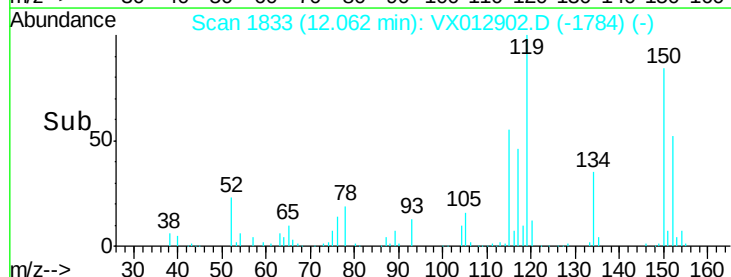
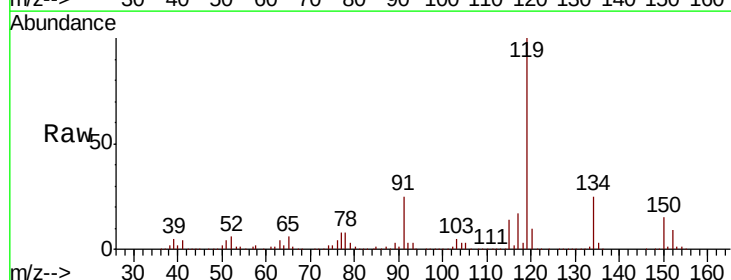
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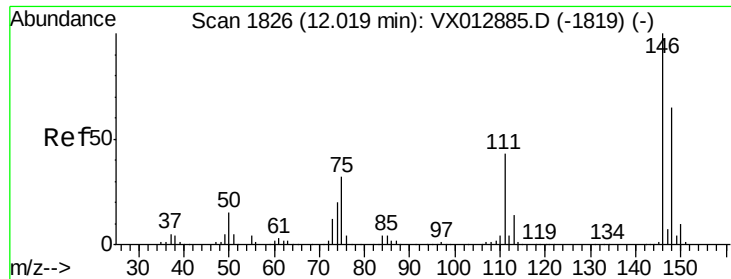
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#86
 p-Isopropyltoluene
 Concen: 49.857 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion:119 Resp: 429576
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.8
 91 25.7 12.4 37.4





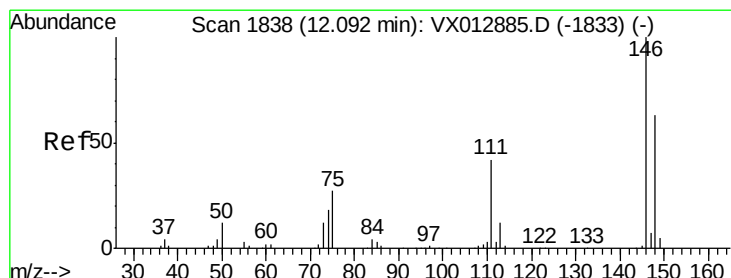
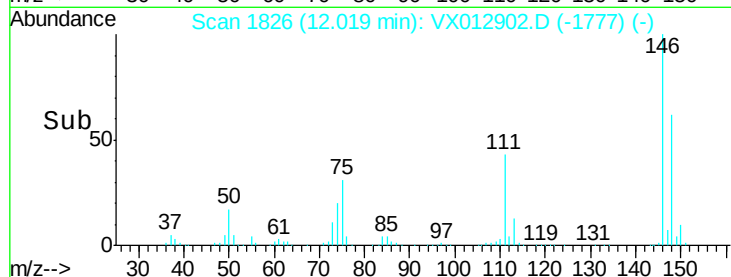
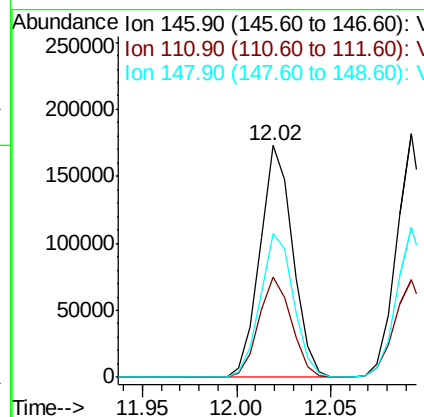
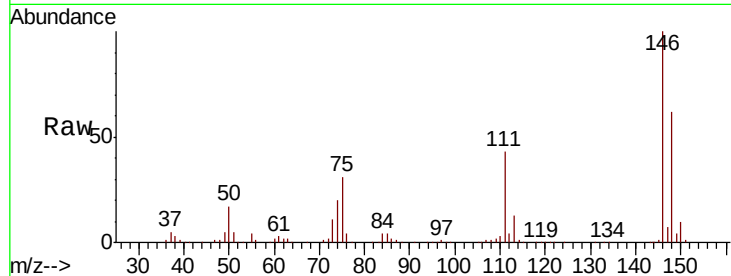
#87
 1,3-Dichlorobenzene
 Concen: 48.664 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.4
148	62.7	31.6	95.0

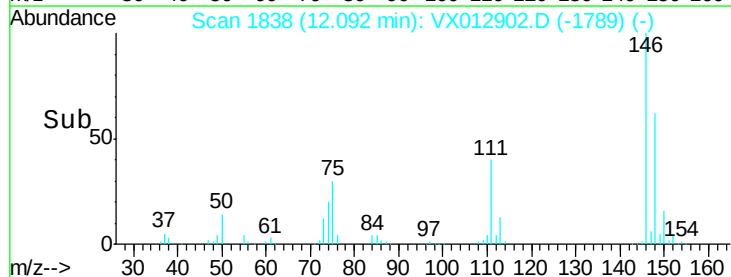
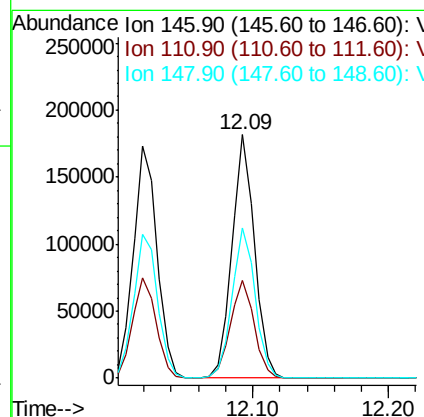
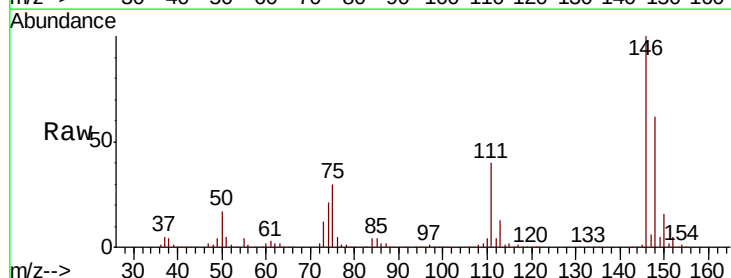
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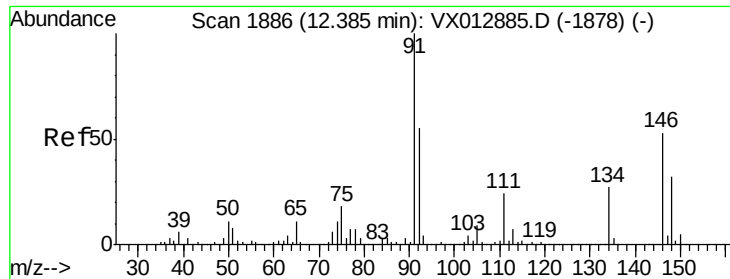
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#88
 1,4-Dichlorobenzene
 Concen: 47.633 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	63.4	32.1	96.5





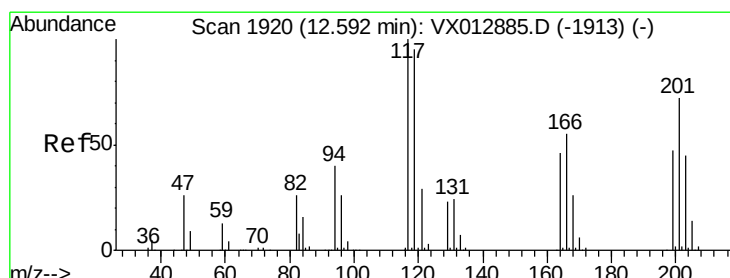
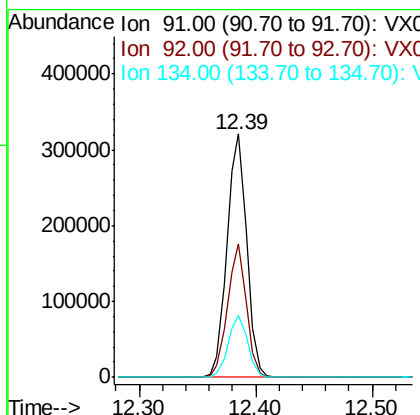
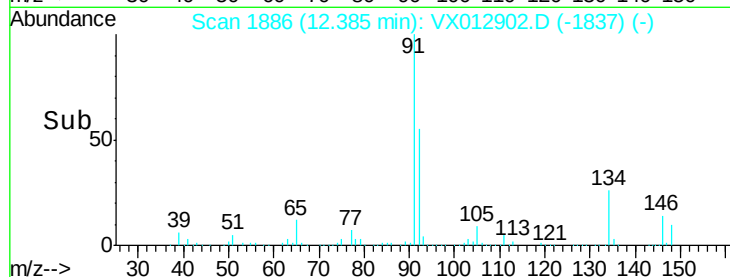
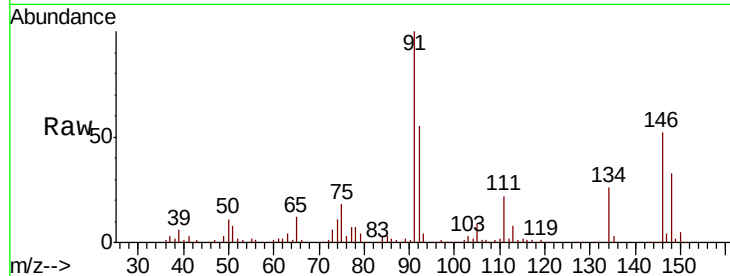
#89
n-Butylbenzene
Concen: 51.786 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.5	82.5
134	25.4	12.9	38.7

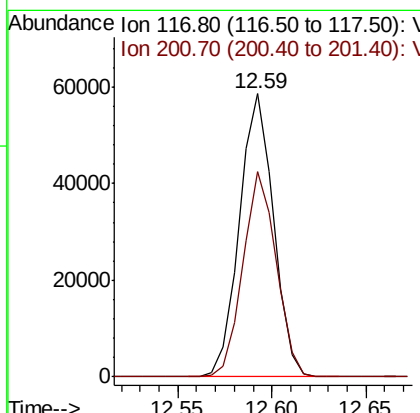
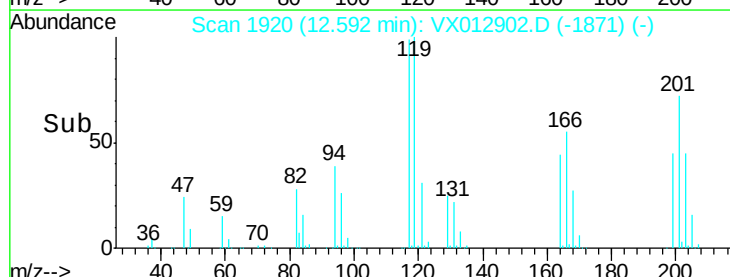
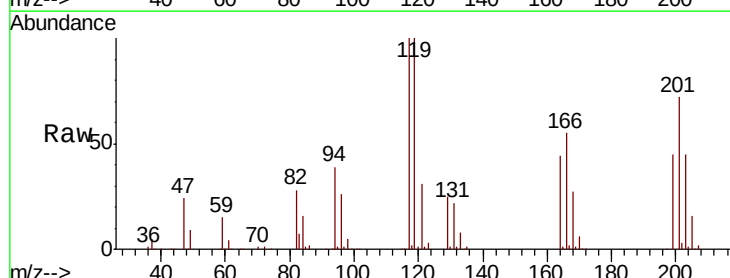
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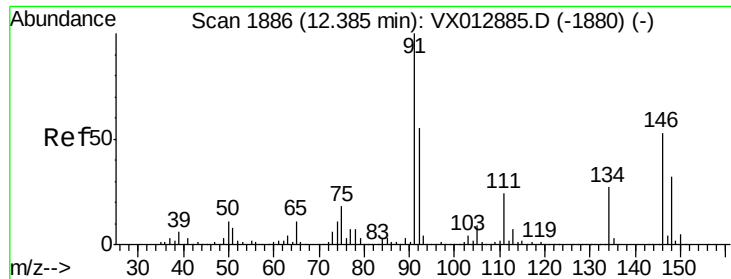
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#90
Hexachloroethane
Concen: 46.076 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012902.D
Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	36.9	110.7





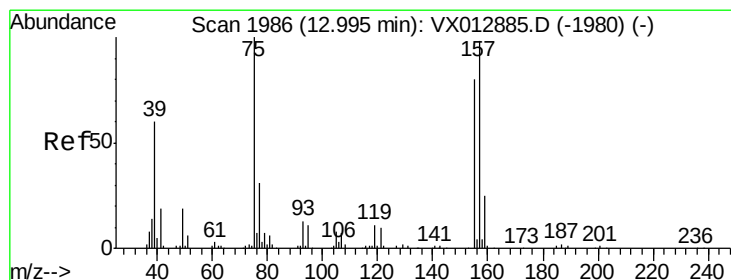
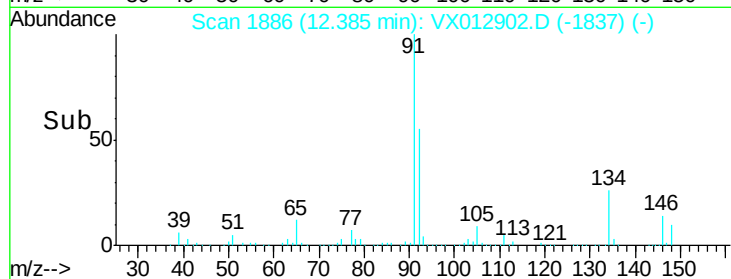
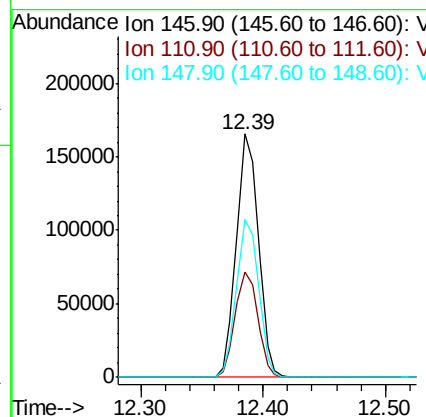
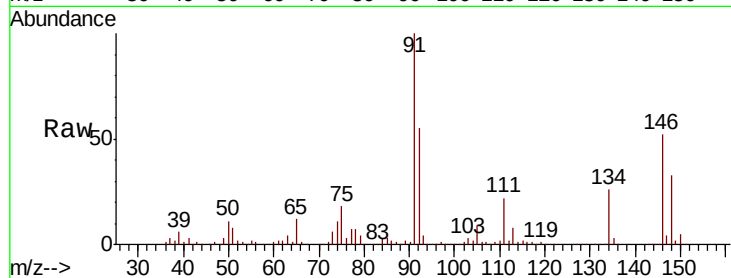
#91
 1,2-Dichlorobenzene
 Concen: 48.820 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.7	68.0
148	65.2	31.6	94.7

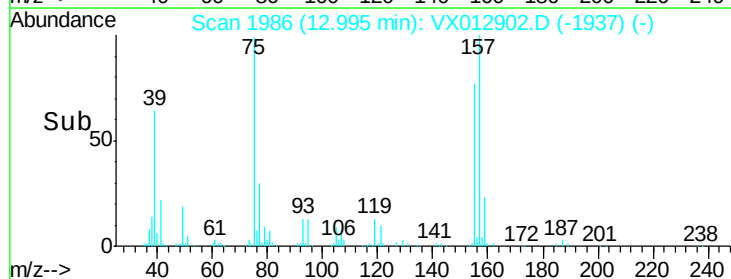
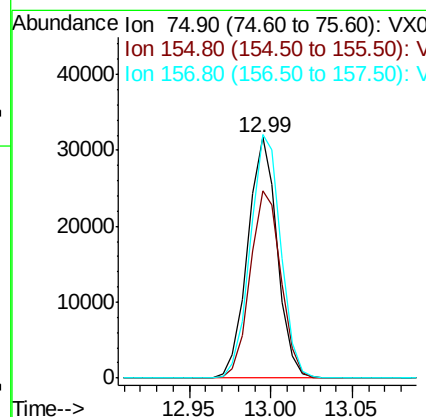
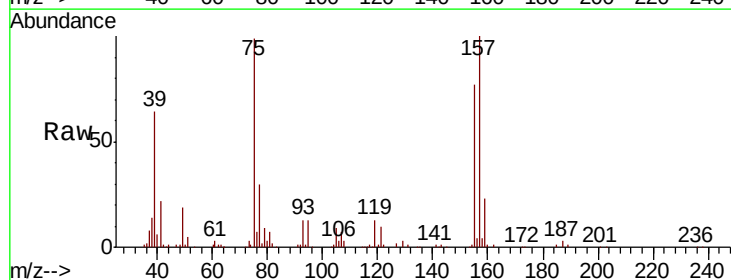
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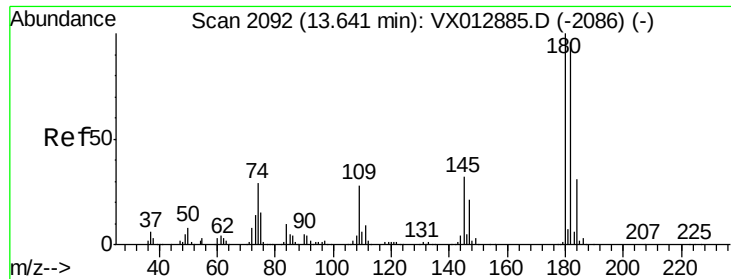
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.010 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012902.D
 Acq: 08 Oct 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	43.0	128.8
157	104.6	54.1	162.3





#93

1,2,4-Trichlorobenzene

Concen: 49.559 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

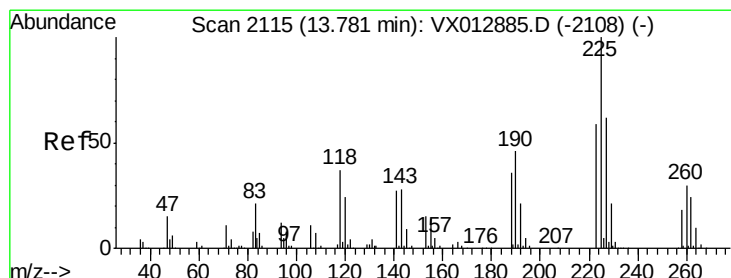
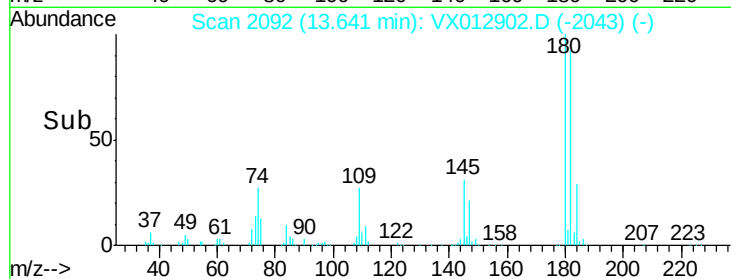
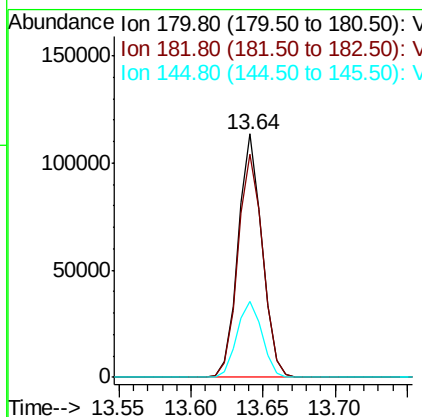
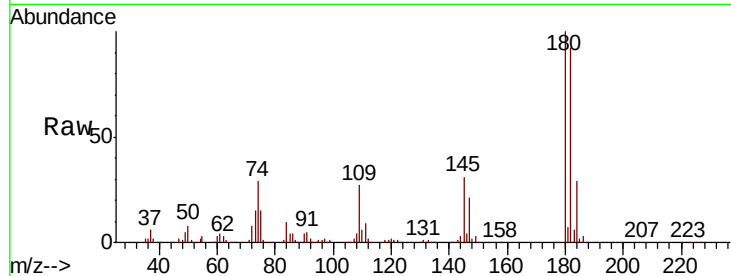
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	131116
Ion Ratio	Lower	Upper	
180	100		
182	95.6	46.8	140.4
145	33.0	16.2	48.6

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 46.729 ug/l

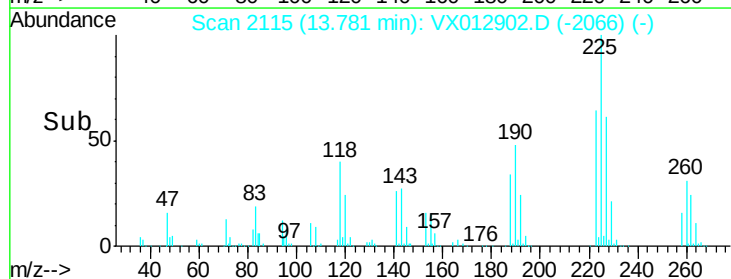
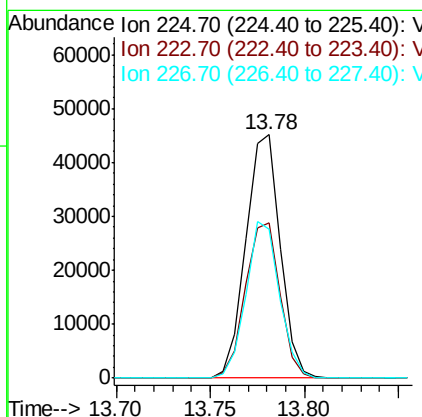
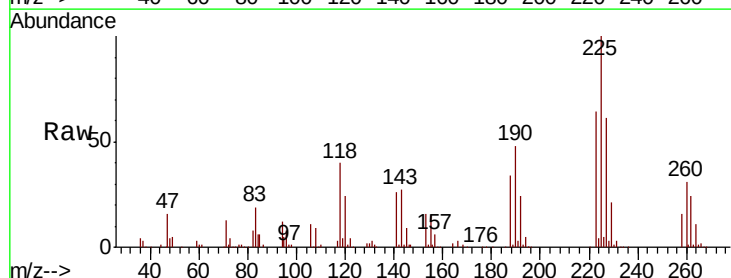
RT: 13.78 min Scan# 2115

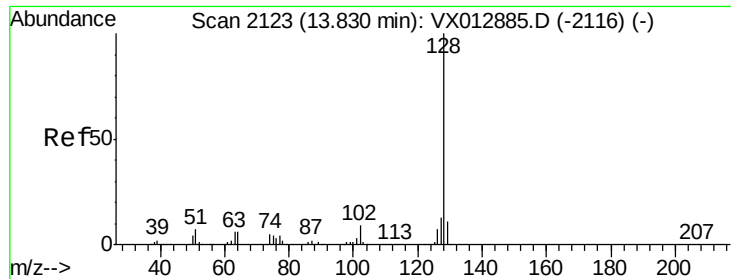
Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Tgt Ion:	225	Resp:	57055
Ion Ratio	Lower	Upper	
225	100		
223	64.2	31.1	93.2
227	62.7	32.3	96.9





#95

Naphthalene

Concen: 51.924 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Instrument :

MSVOA_X

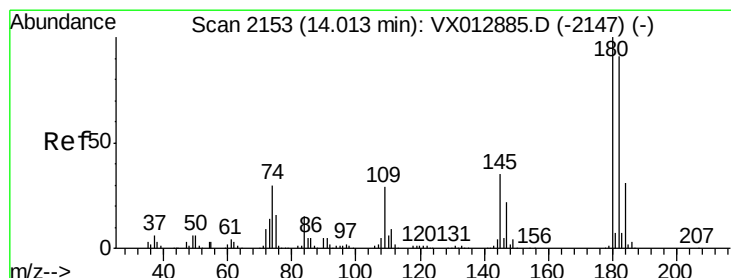
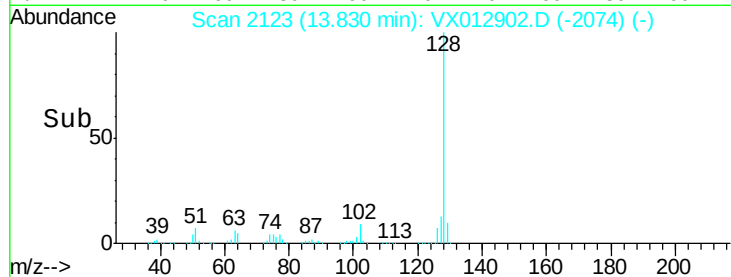
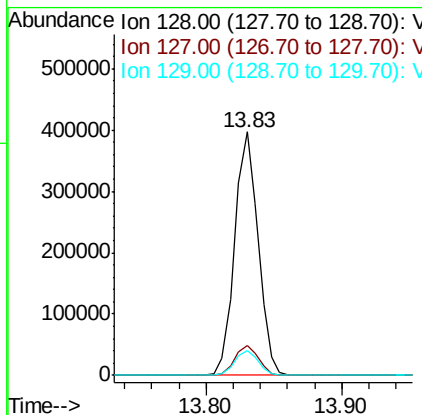
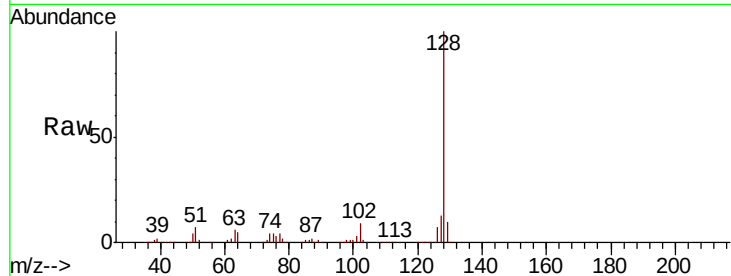
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	476206
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:36:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.819 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012902.D

Acq: 08 Oct 2019 20:10

Tgt Ion:	180	Resp:	133472
Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.5	142.5
145	35.6	17.4	52.3

