

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080119\
 Data File : VX011261.D
 Acq On : 01 Aug 2019 15:50
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:06:59 AM

Quant Time: Aug 02 01:39:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:21:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	237873	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116591	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	30828	17.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	34.48%	
35) Dibromofluoromethane	5.49	113	29808	19.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.46%	
50) Toluene-d8	8.71	98	110268	19.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.00%	
62) 4-Bromofluorobenzene	11.13	95	38569	18.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	25134	16.707	ug/l	100
3) Chloromethane	1.32	50	27244	17.652	ug/l	100
4) Vinyl Chloride	1.40	62	30082	18.897	ug/l	97
5) Bromomethane	1.63	94	22972	23.980	ug/l	93
6) Chloroethane	1.71	64	20776	20.220	ug/l	97
7) Trichlorofluoromethane	1.92	101	54366	19.834	ug/l	100
8) Diethyl Ether	2.18	74	18306	19.332	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29887	19.278	ug/l	100
10) Methyl Iodide	2.50	142	35449	17.480	ug/l	100
11) Tert butyl alcohol	3.03	59	30566	73.900	ug/l	99
12) 1,1-Dichloroethene	2.37	96	28064	18.504	ug/l	97
13) Acrolein	2.29	56	20364	85.302	ug/l	100
14) Allyl chloride	2.72	41	38017	17.281	ug/l	98
15) Acrylonitrile	3.14	53	74683	87.367	ug/l	98
16) Acetone	2.43	43	77150	94.278	ug/l	99
17) Carbon Disulfide	2.56	76	66138	17.144	ug/l	99
18) Methyl Acetate	2.76	43	33893	17.987	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	83763	17.180	ug/l	97
20) Methylene Chloride	2.85	84	31427	18.029	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	29855	18.401	ug/l	94
22) Diisopropyl ether	3.84	45	83106	17.875	ug/l	90
23) Vinyl Acetate	3.81	43	351593	89.207	ug/l	99
24) 1,1-Dichloroethane	3.69	63	48243	17.791	ug/l	100
25) 2-Butanone	4.66	43	107142	90.959	ug/l	99
26) 2,2-Dichloropropane	4.58	77	38187	17.276	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	34092	18.192	ug/l	98
28) Bromochloromethane	5.01	49	21783	17.236	ug/l	98
29) Tetrahydrofuran	5.12	42	64079	86.024	ug/l	99
30) Chloroform	5.20	83	53496	18.237	ug/l	97
31) Cyclohexane	5.57	56	41029	16.877	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	44592	17.627	ug/l	99
36) 1,1-Dichloropropene	5.79	75	39622	20.056	ug/l	100
37) Ethyl Acetate	4.82	43	37540	18.728	ug/l	98
38) Carbon Tetrachloride	5.77	117	39139	19.046	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	47174	18.702	ug/l	99
40) Benzene	6.13	78	120341	19.887	ug/l	94
41) Methacrylonitrile	5.03	41	20949	18.206	ug/l	98
42) 1,2-Dichloroethane	6.18	62	39204	18.725	ug/l	98
43) Isopropyl Acetate	6.43	43	59726	18.080	ug/l	98
44) Trichloroethene	7.21	130	36514	20.357	ug/l	98
45) 1,2-Dichloropropane	7.51	63	29963	19.459	ug/l	97
46) Dibromomethane	7.65	93	21904	19.921	ug/l	98
47) Bromodichloromethane	7.89	83	36558	18.744	ug/l	97
48) Methyl methacrylate	7.76	41	28470	17.716	ug/l	98
49) 1,4-Dioxane	7.73	88	16597	367.206	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	201409	93.738	ug/l	100
52) Toluene	8.78	92	78916	19.837	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	37402	17.881	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	44700	19.164	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	32124	19.606	ug/l	99
56) Ethyl methacrylate	9.17	69	45304	19.047	ug/l	99
57) 1,3-Dichloropropane	9.37	76	50623	19.548	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	111042	97.420	ug/l	99
59) 2-Hexanone	9.49	43	161781	97.078	ug/l	99
60) Dibromochloromethane	9.58	129	31413	18.996	ug/l	100
61) 1,2-Dibromoethane	9.67	107	35099	20.175	ug/l	97
64) Tetrachloroethene	9.34	164	36882	20.721	ug/l	96
65) Chlorobenzene	10.13	112	89872	19.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	31057	19.136	ug/l	99
67) Ethyl Benzene	10.25	91	152404	19.383	ug/l	99
68) m/p-Xylenes	10.35	106	120622	39.788	ug/l	98
69) o-Xylene	10.69	106	57246	19.412	ug/l	99
70) Styrene	10.71	104	97268	19.757	ug/l	100
71) Bromoform	10.85	173	22586	17.447	ug/l #	100
73) Isopropylbenzene	11.02	105	155078	19.486	ug/l	100
74) N-amyl acetate	10.90	43	54310	17.962	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	49814	19.114	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	40934m	19.276	ug/l	
77) Bromobenzene	11.25	156	42549	19.369	ug/l	98
78) n-propylbenzene	11.36	91	172455	19.633	ug/l	99
79) 2-Chlorotoluene	11.42	91	99541	18.911	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	128230	19.365	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	12041	15.720	ug/l	95
82) 4-Chlorotoluene	11.51	91	115615	18.842	ug/l	100
83) tert-Butylbenzene	11.77	119	127613	19.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	129963	19.401	ug/l	99
85) sec-Butylbenzene	11.94	105	154385	20.165	ug/l	99
86) p-Isopropyltoluene	12.06	119	141401	19.959	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	74928	19.599	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	74571	19.034	ug/l	97
89) n-Butylbenzene	12.38	91	121228	20.005	ug/l	99
90) Hexachloroethane	12.59	117	20207	18.165	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	75384	19.874	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9213	17.071	ug/l	94

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QLast Update : Fri Aug 02 01:21:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51340	20.031	ug/l	97
94) Hexachlorobutadiene	13.78	225	26122	20.490	ug/l	98
95) Naphthalene	13.83	128	150630	19.885	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	51033	19.970	ug/l	97

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

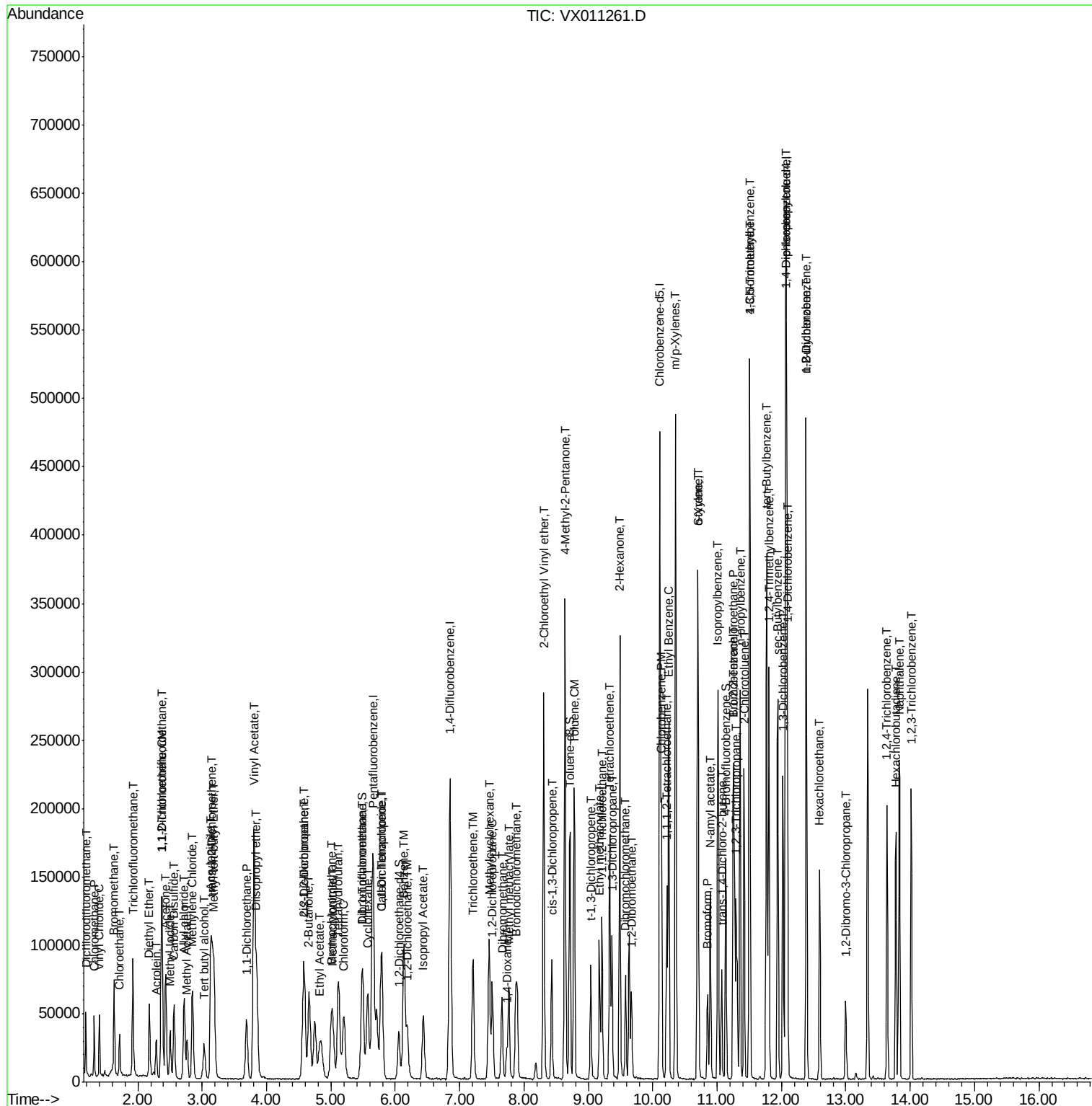
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX080119\  
Data File : VX011261.D  
Acq On    : 01 Aug 2019   15:50  
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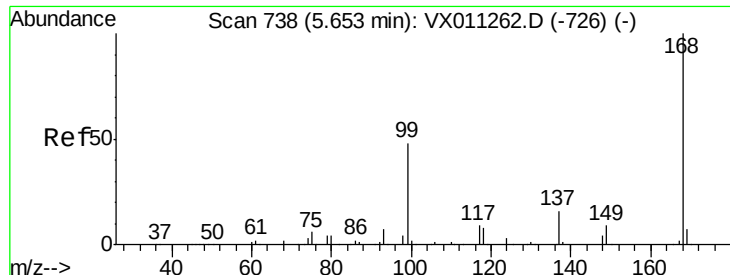
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 168 Resp: 170206

Ion Ratio Lower Upper

168 100

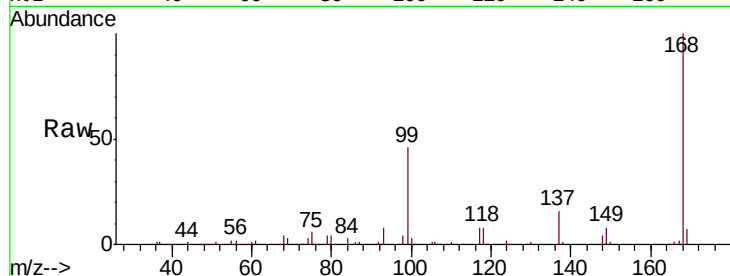
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Manual Integrations

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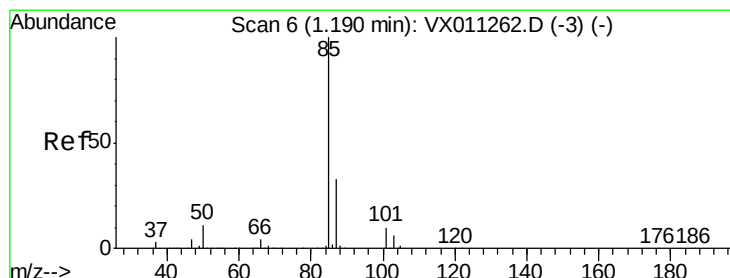
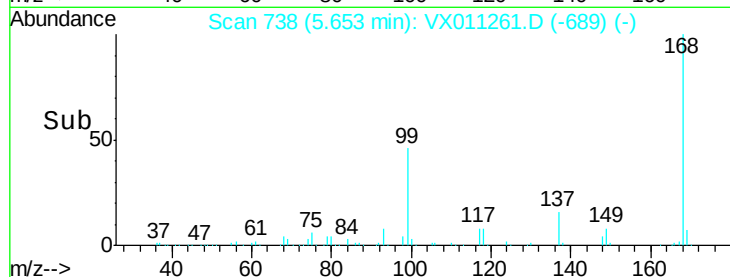
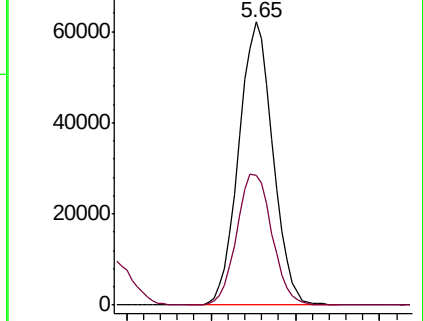
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.707 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011261.D

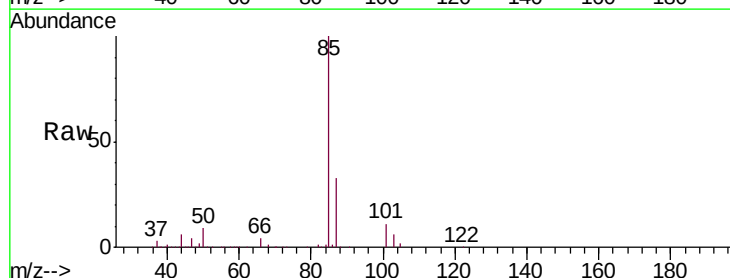
Acq: 01 Aug 2019 15:50

Tgt Ion: 85 Resp: 25134

Ion Ratio Lower Upper

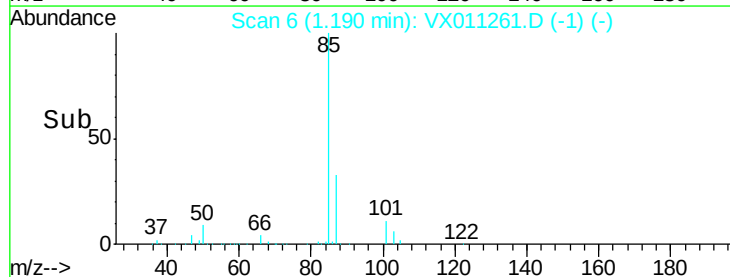
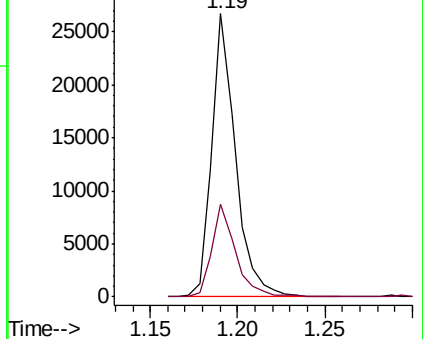
85 100

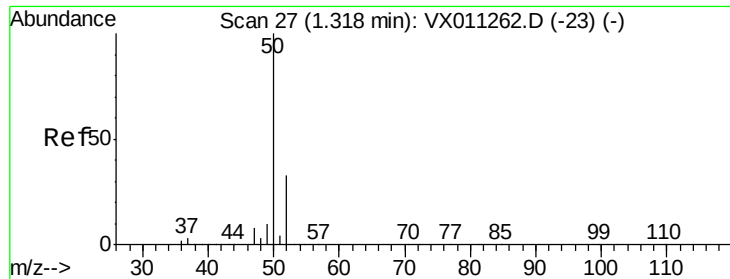
87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.652 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 27244

Ion Ratio Lower Upper

50 100

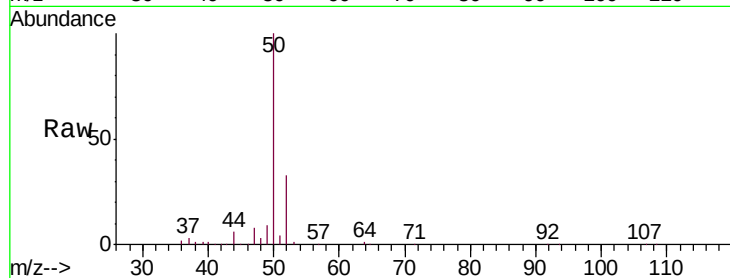
52 32.8 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

30000

25000

20000

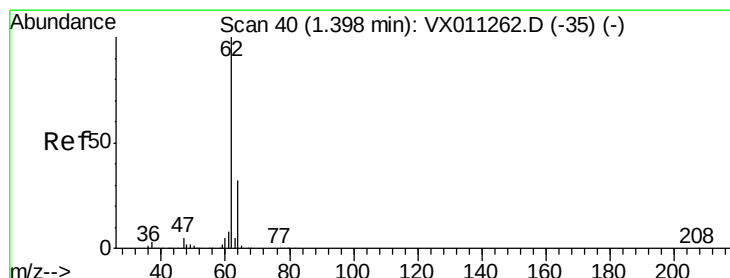
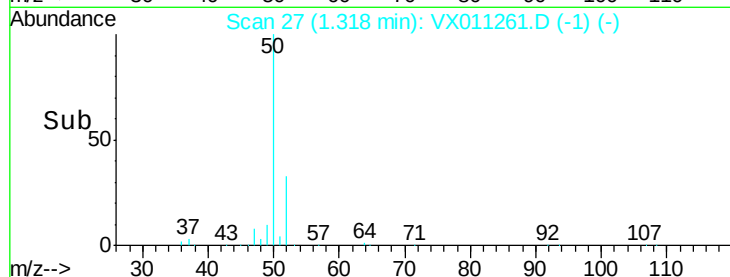
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 18.897 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011261.D

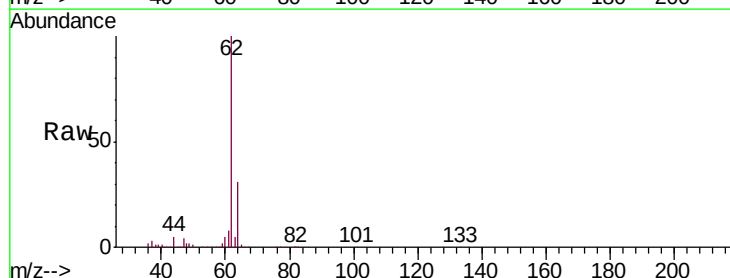
Acq: 01 Aug 2019 15:50

Tgt Ion: 62 Resp: 30082

Ion Ratio Lower Upper

62 100

64 30.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

30000

25000

20000

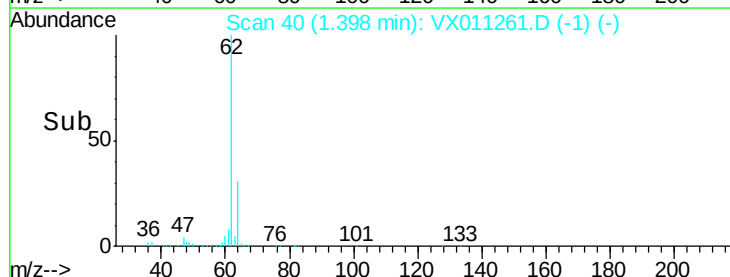
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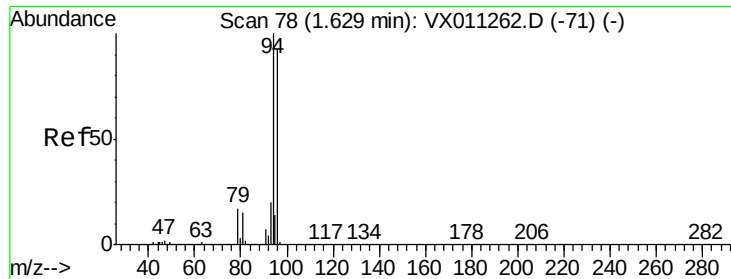
10000

5000

0

Time-->





#5

Bromomethane

Concen: 23.980 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tgt Ion: 94 Resp: 22972

Ion Ratio Lower Upper

94 100

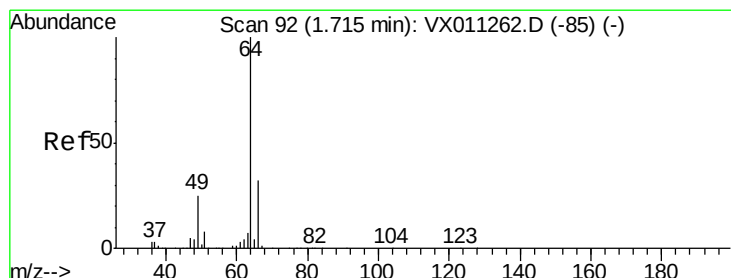
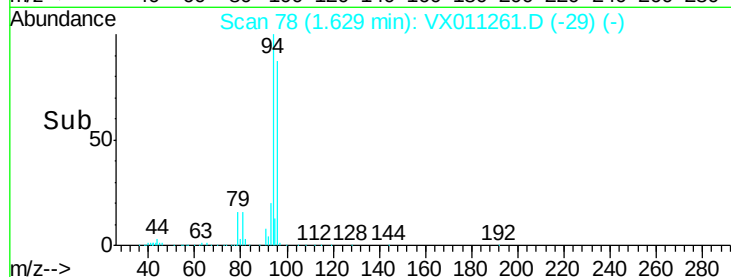
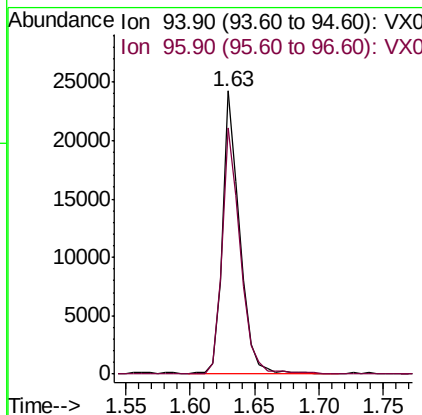
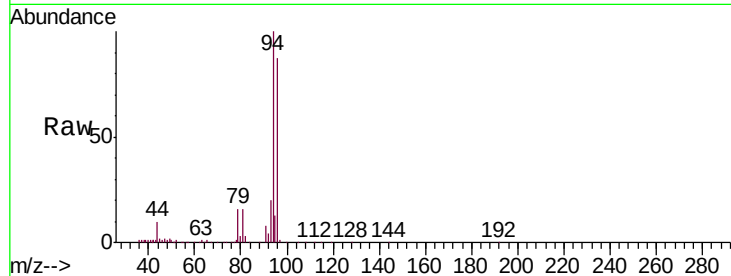
96 86.9 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 20.220 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011261.D

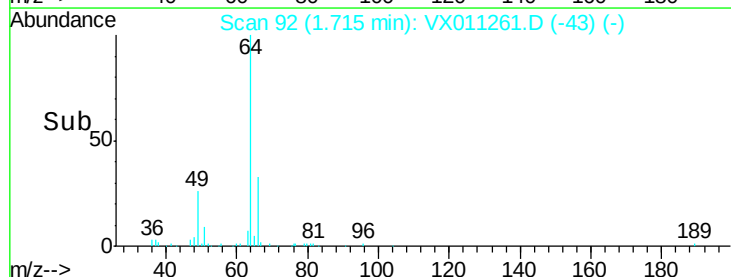
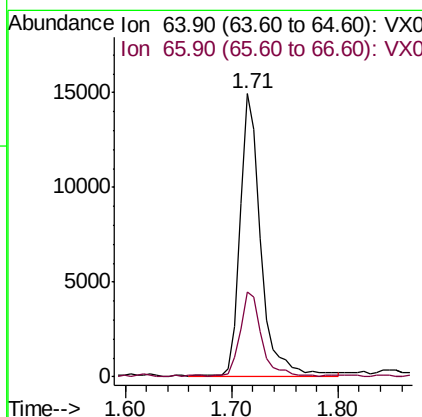
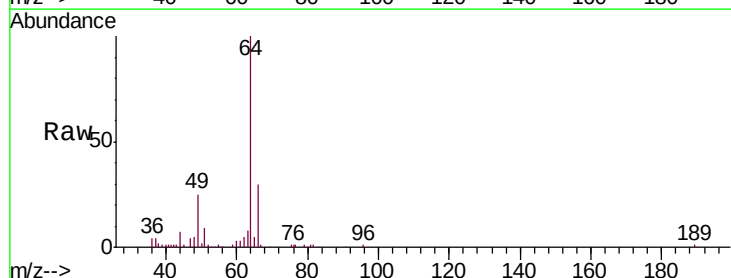
Acq: 01 Aug 2019 15:50

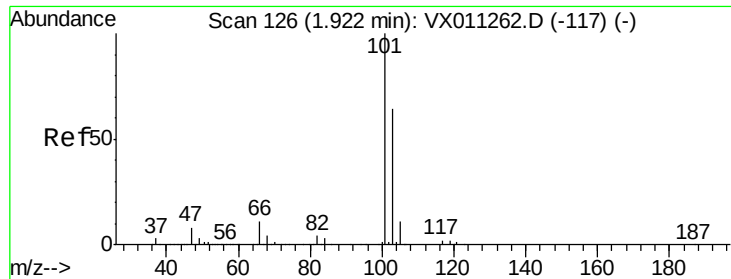
Tgt Ion: 64 Resp: 20776

Ion Ratio Lower Upper

64 100

66 29.7 25.1 37.7





#7

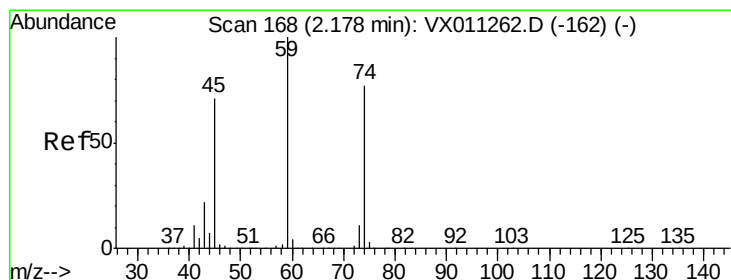
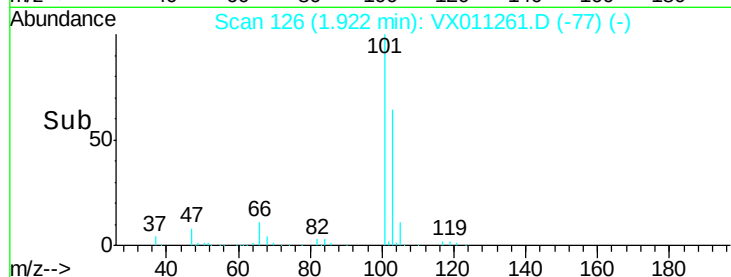
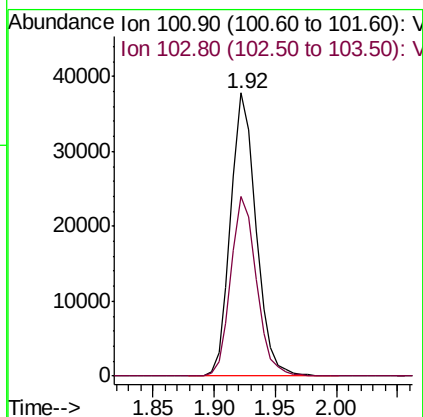
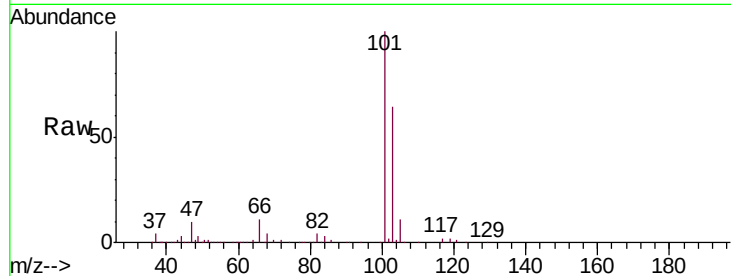
Trichlorofluoromethane
Concen: 19.834 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.9	76.3

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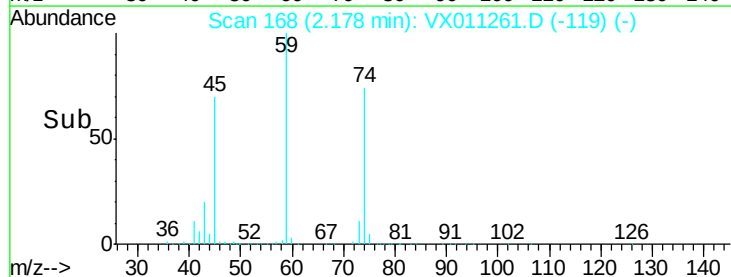
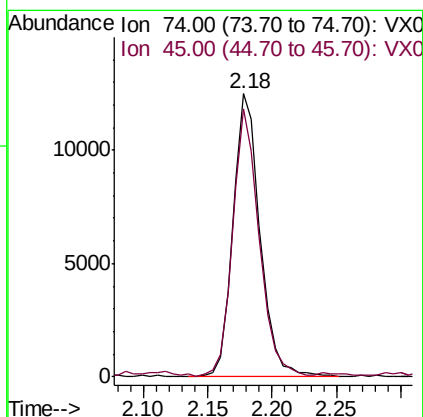
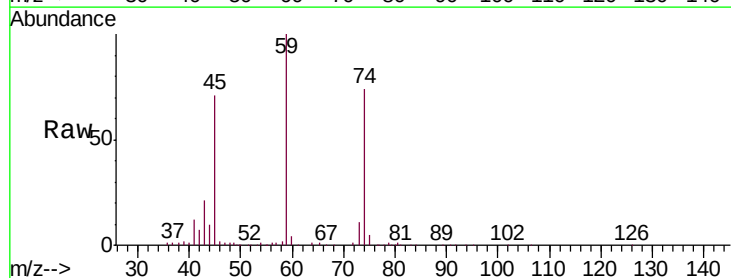
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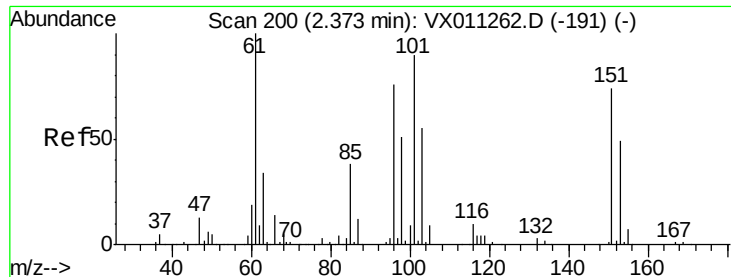


#8

Diethyl Ether
Concen: 19.332 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.278 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

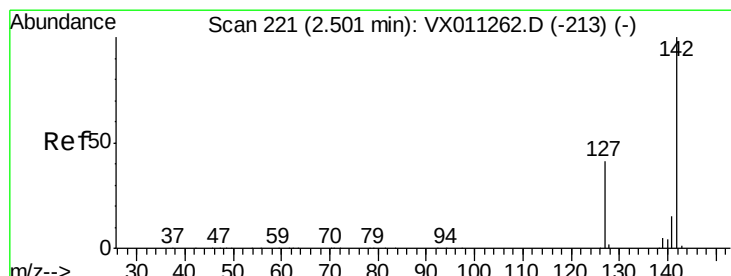
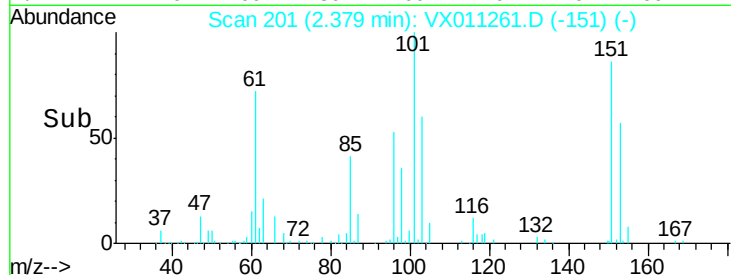
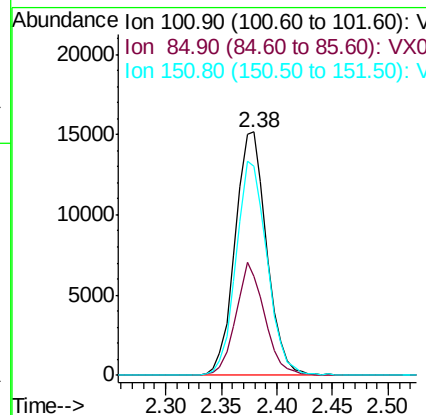
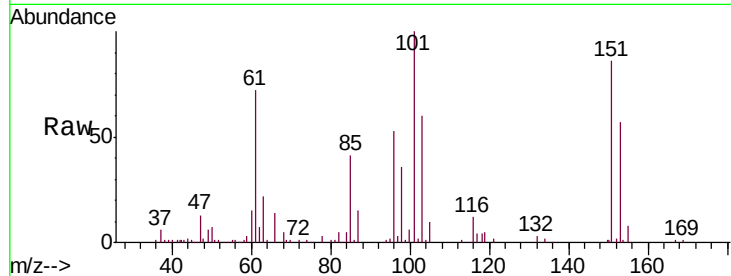
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	29887
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.8	50.6
151	86.4	69.5	104.3

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#10

Methyl Iodide

Concen: 17.480 ug/l

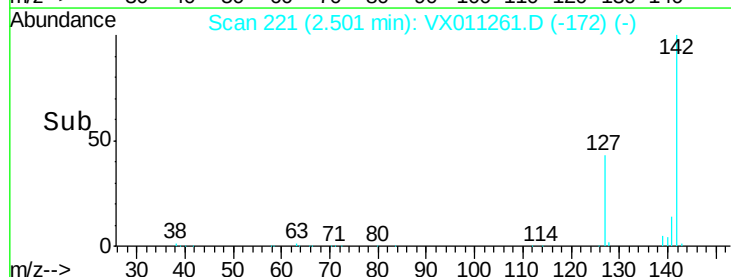
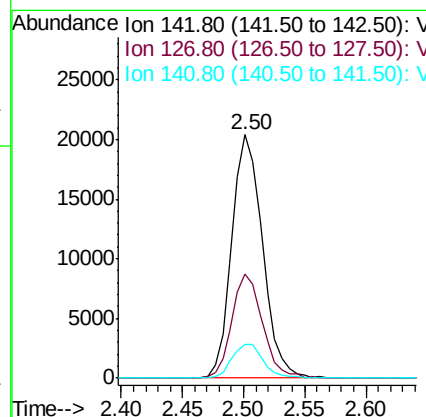
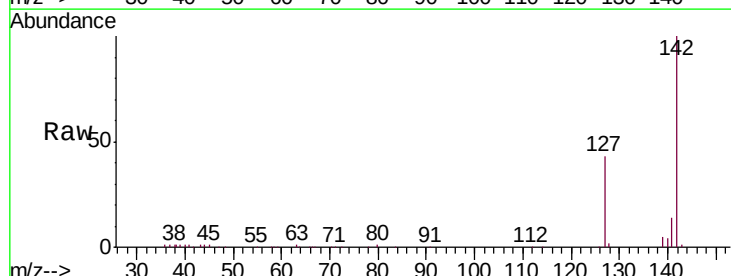
RT: 2.50 min Scan# 221

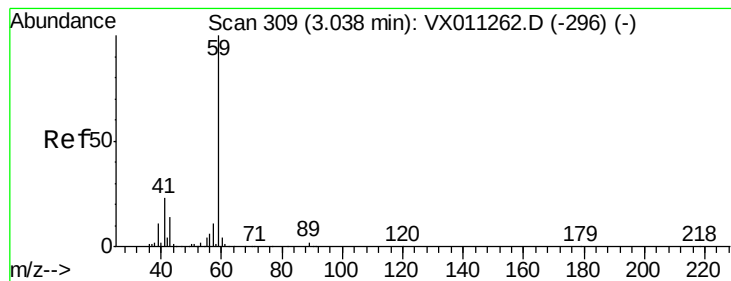
Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion:	142	Resp:	35449
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.8	50.8
141	14.2	11.4	17.2





#11

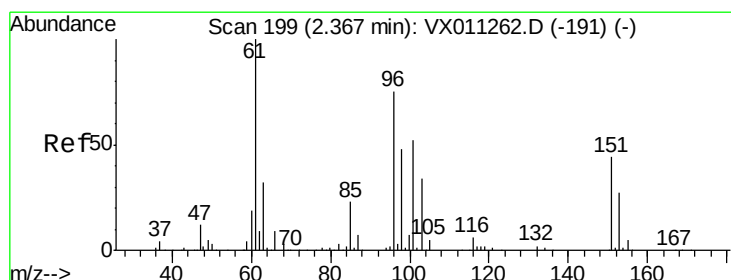
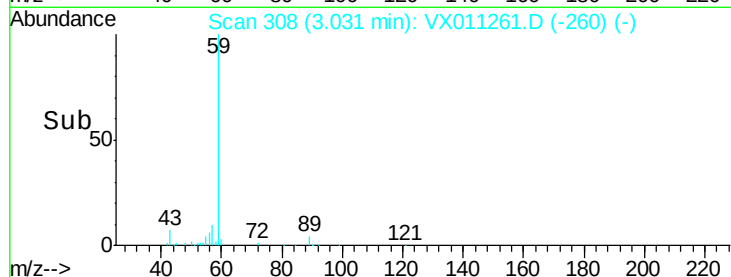
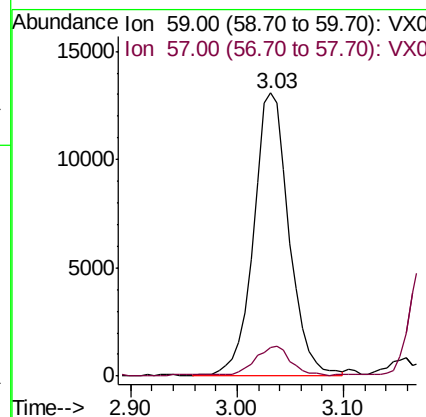
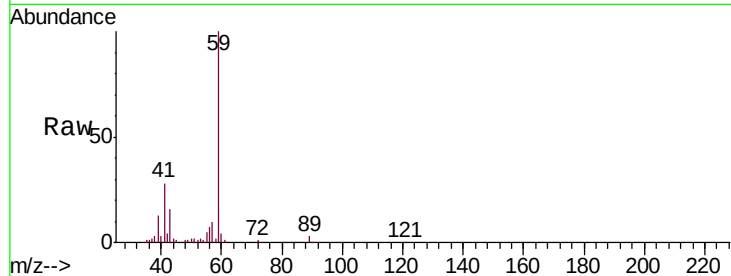
Tert butyl alcohol
 Concen: 73.900 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

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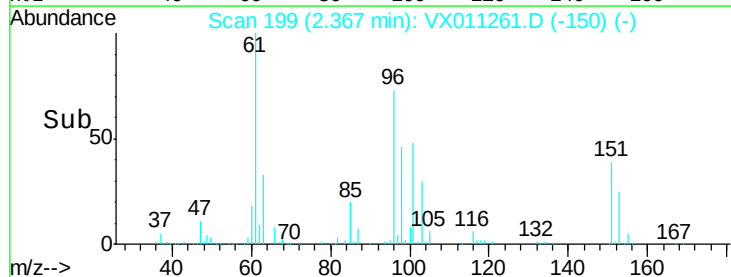
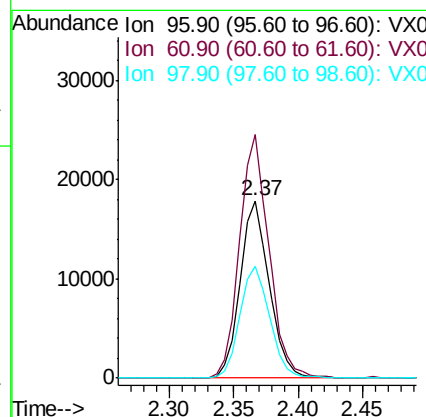
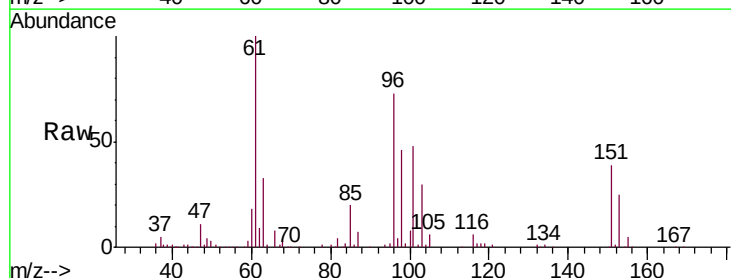
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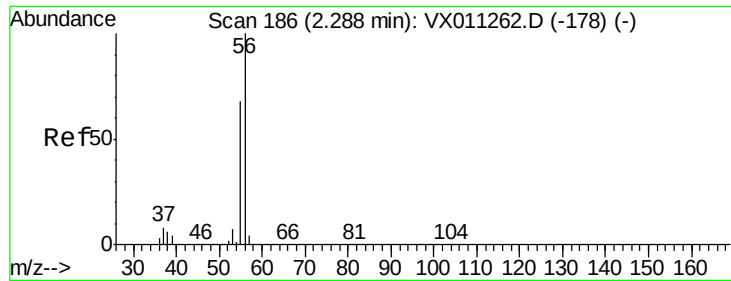


#12

1,1-Dichloroethene
 Concen: 18.504 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.2	106.2	159.2
98	62.8	50.6	75.8





#13

Acrolein

Concen: 85.302 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 20364

Ion Ratio Lower Upper

56 100

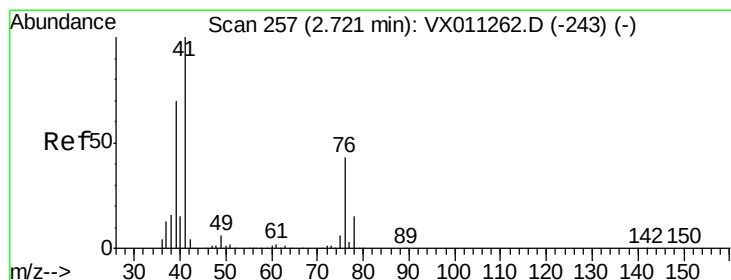
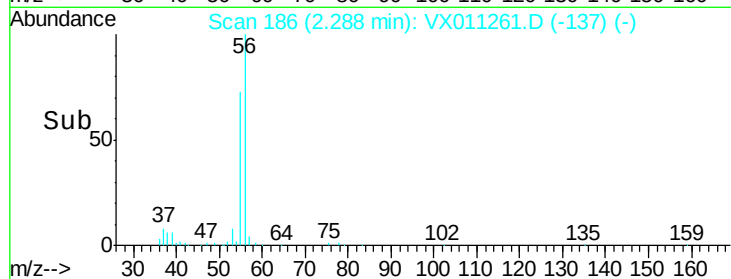
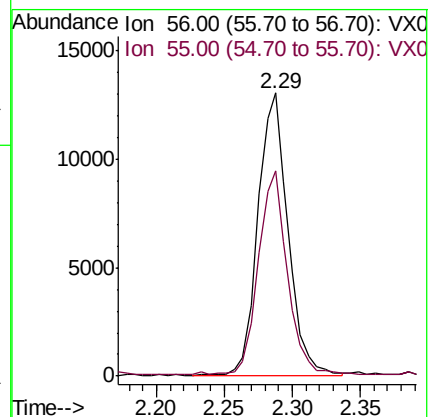
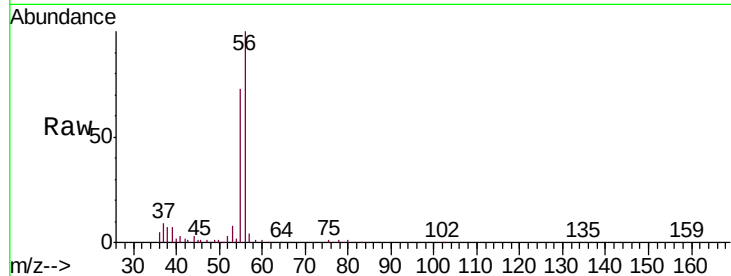
55 69.9 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 17.281 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

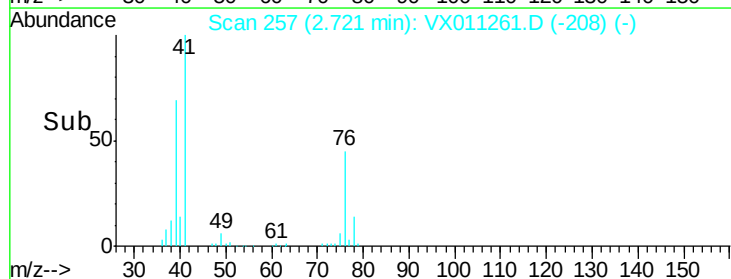
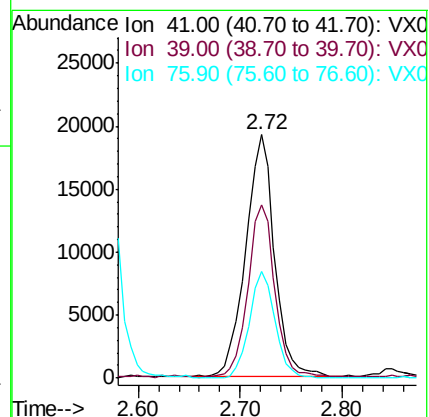
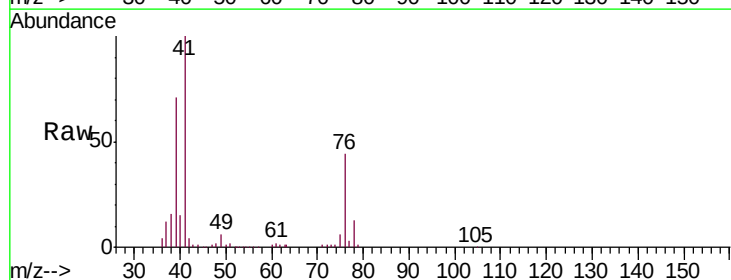
Tgt Ion: 41 Resp: 38017

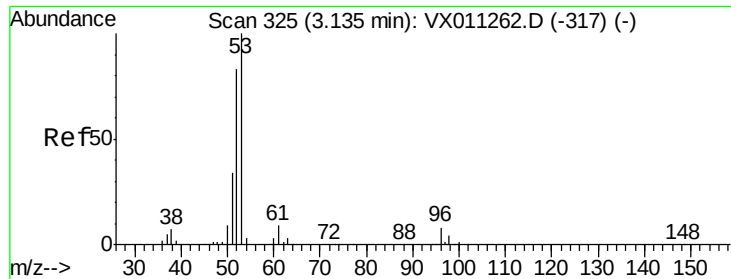
Ion Ratio Lower Upper

41 100

39 68.1 52.8 79.2

76 39.3 31.1 46.7





#15

Acrylonitrile

Concen: 87.367 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

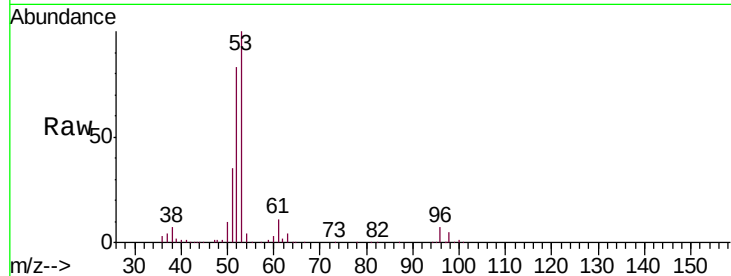
ClientSampleId :

VSTDIC020

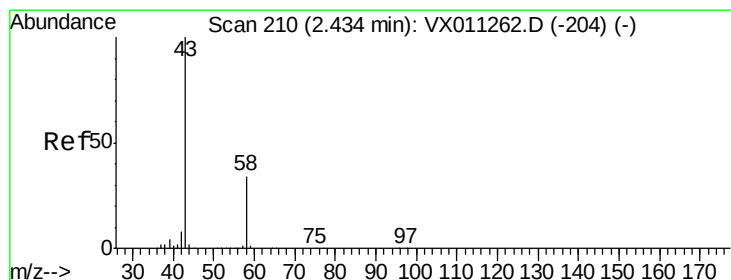
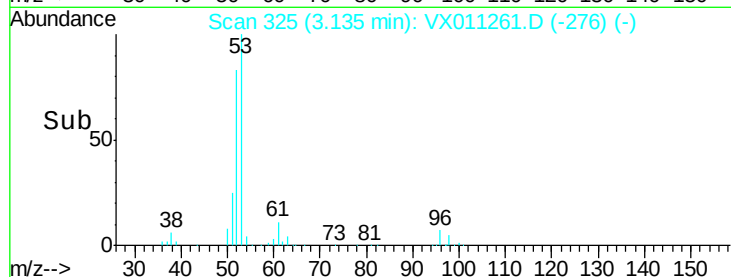
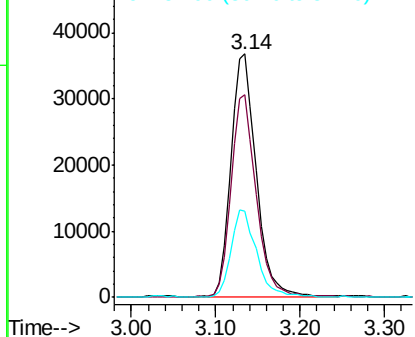
Tgt Ion:	53	Resp:	74683
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.5	98.3
51	37.0	27.9	41.9

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Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 94.278 ug/l

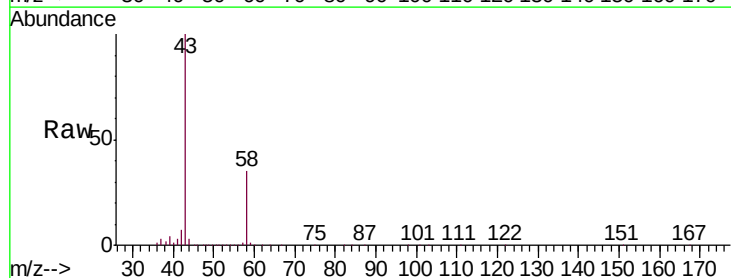
RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

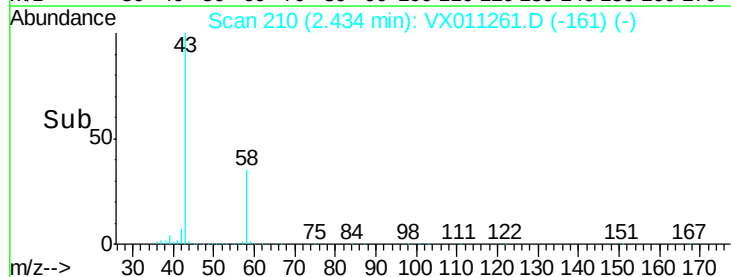
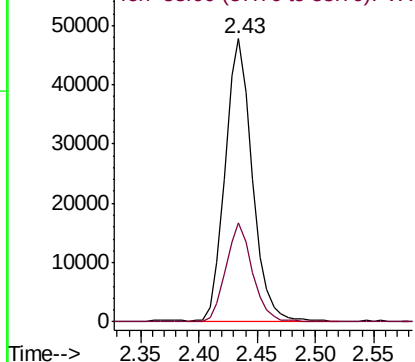
Lab File: VX011261.D

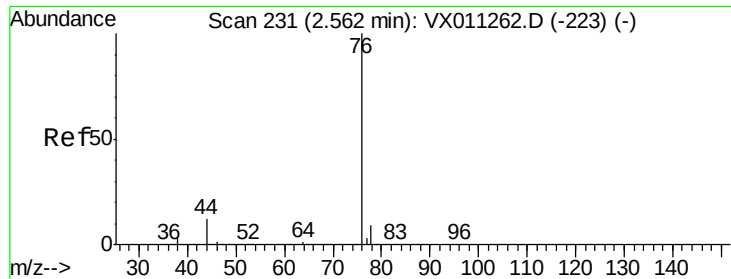
Acq: 01 Aug 2019 15:50

Tgt Ion:	43	Resp:	77150
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.4	41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.144 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 66138

Ion Ratio Lower Upper

76 100

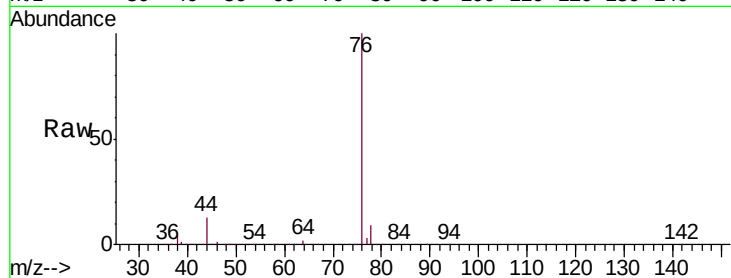
78 8.8 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

40000

30000

20000

10000

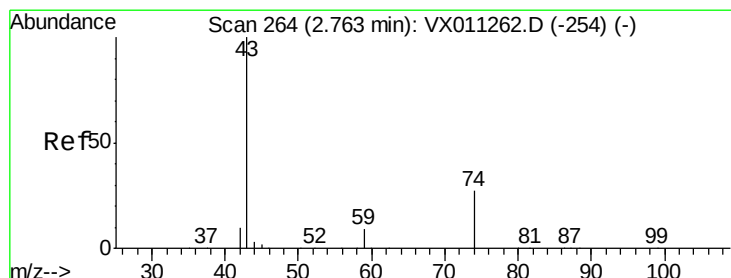
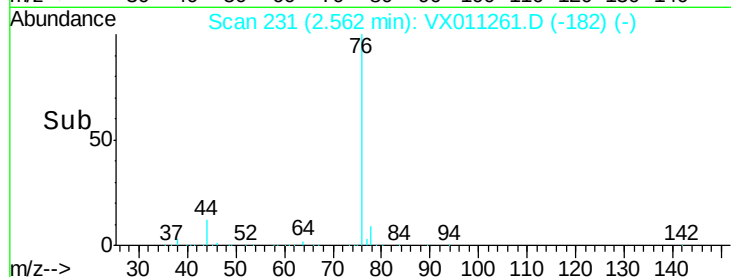
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 17.987 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011261.D

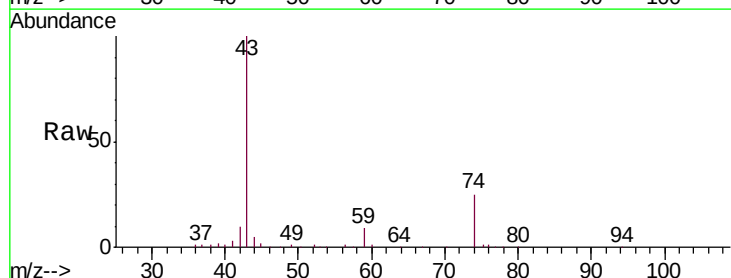
Acq: 01 Aug 2019 15:50

Tgt Ion: 43 Resp: 33893

Ion Ratio Lower Upper

43 100

74 26.9 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

20000

15000

10000

5000

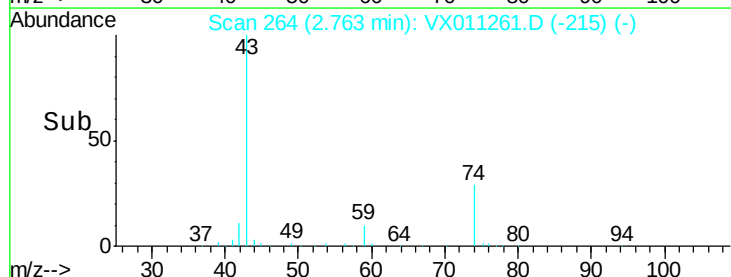
0

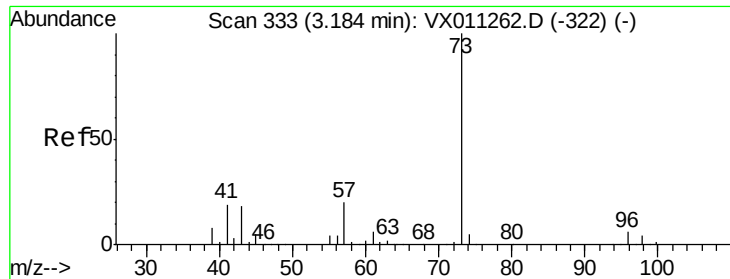
Time-->

2.60

2.70

2.80





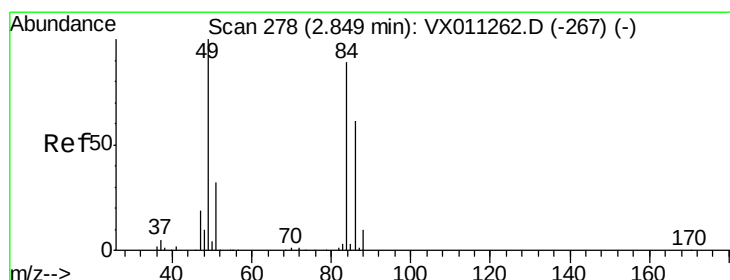
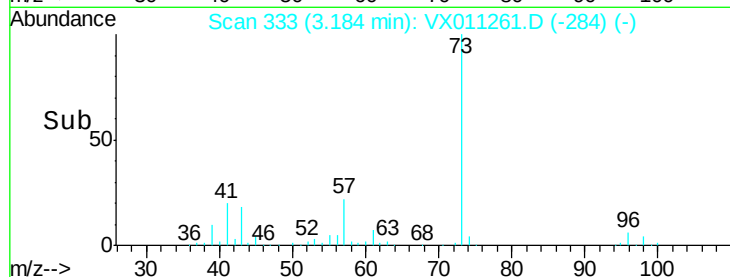
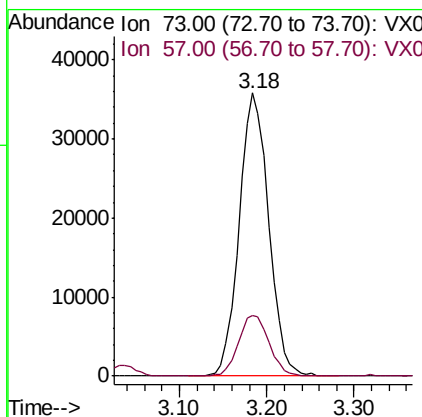
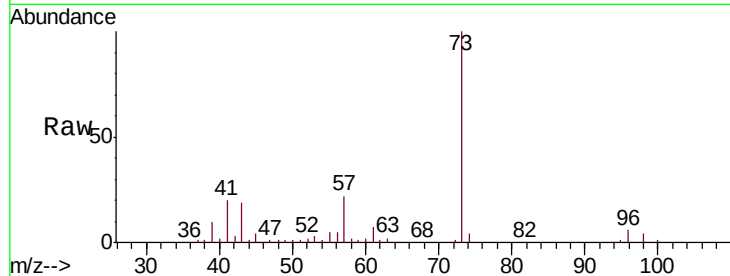
#19
Methyl tert-butyl Ether
Concen: 17.180 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 83763
Ion Ratio Lower Upper
73 100
57 21.6 16.2 24.2

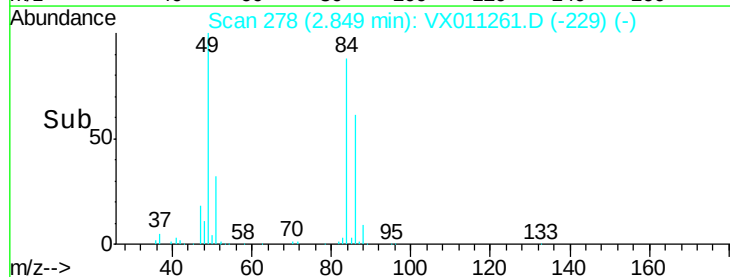
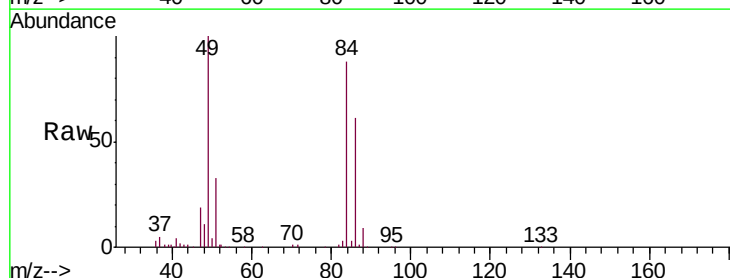
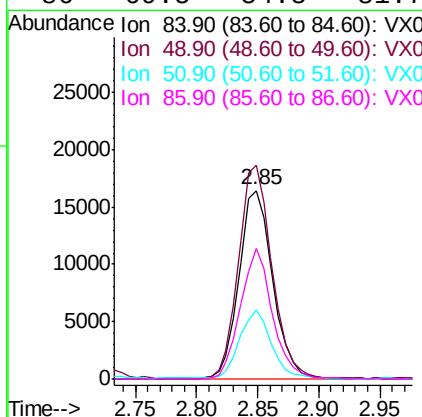
Manual Integrations
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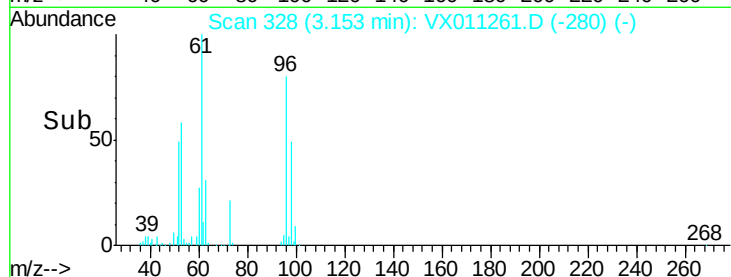
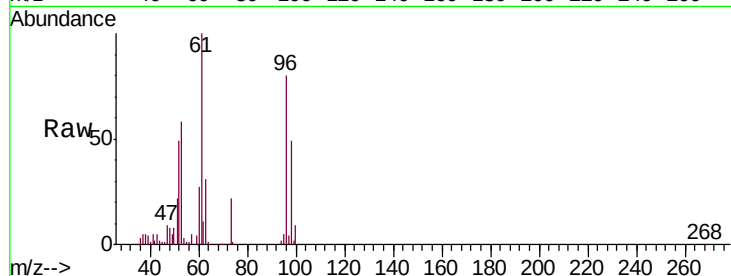
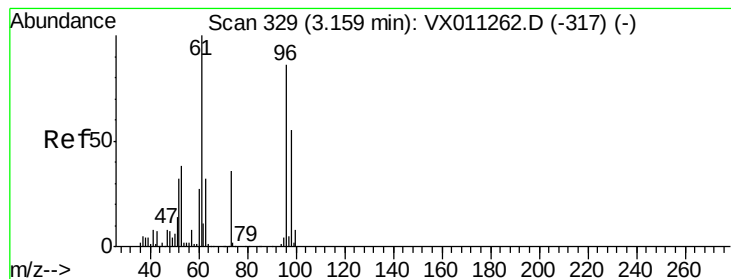
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#20
Methylene Chloride
Concen: 18.029 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 84 Resp: 31427
Ion Ratio Lower Upper
84 100
49 112.9 89.3 133.9
51 36.7 28.3 42.5
86 69.5 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 18.401 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion:	96	Resp:	29855
Ion	Ratio	Lower	Upper
96	100		
61	124.7	92.8	139.2
98	61.1	51.2	76.8

Instrument :

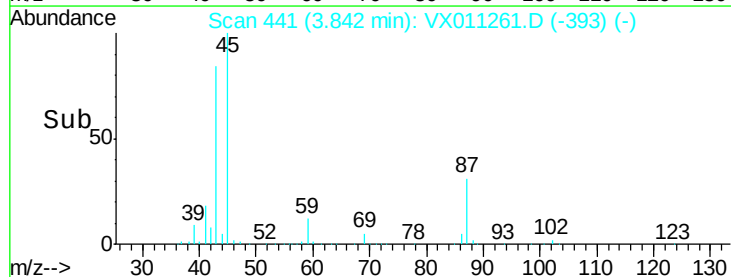
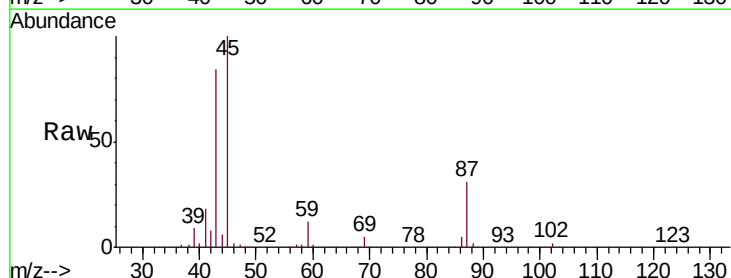
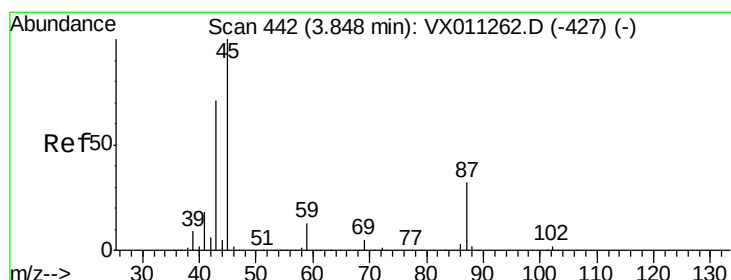
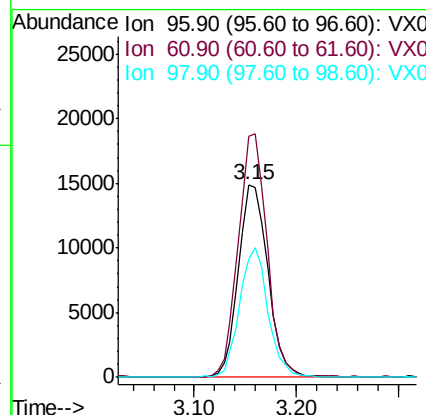
MSVOA_X

ClientSampleId :

VSTDIC020

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#22

Diisopropyl ether

Concen: 17.875 ug/l

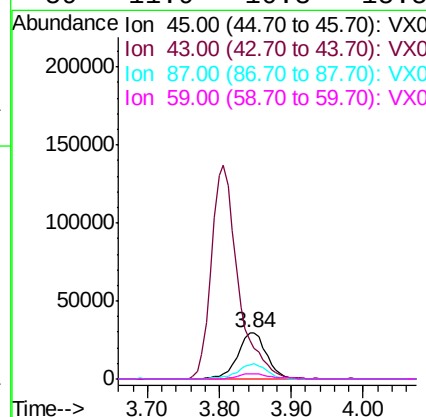
RT: 3.84 min Scan# 441

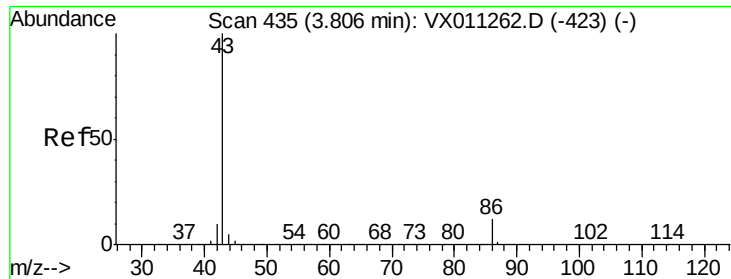
Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion:	45	Resp:	83106
Ion	Ratio	Lower	Upper
45	100		
43	82.9	56.8	85.2
87	31.1	25.8	38.6
59	11.9	10.3	15.5





#23

Vinyl Acetate

Concen: 89.207 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 351593

Ion Ratio Lower Upper

43 100

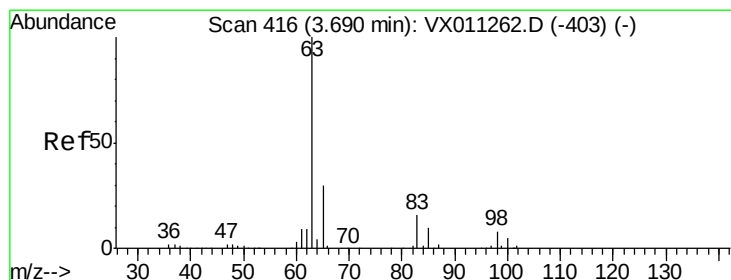
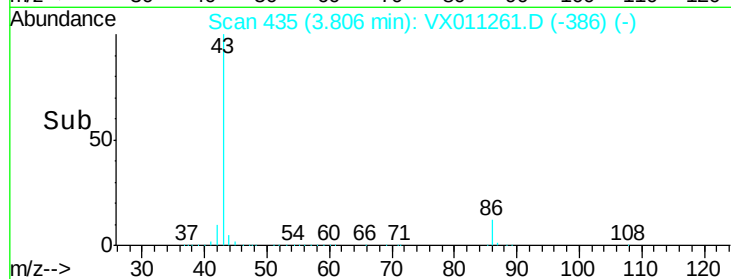
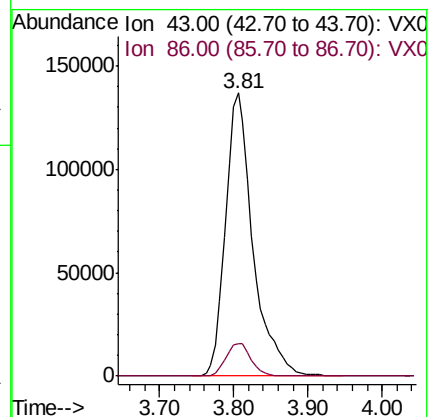
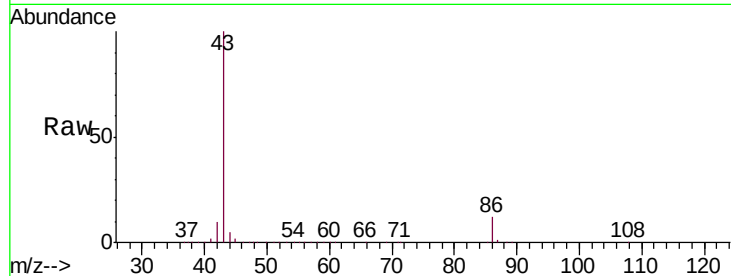
86 11.6 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 17.791 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

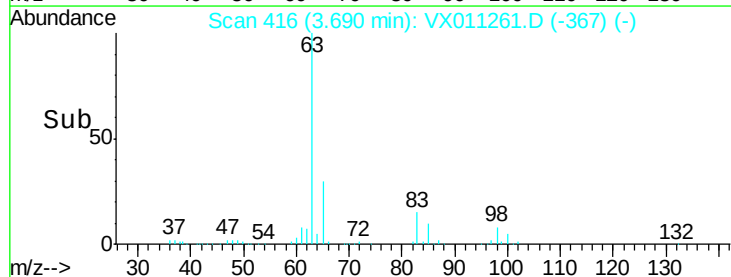
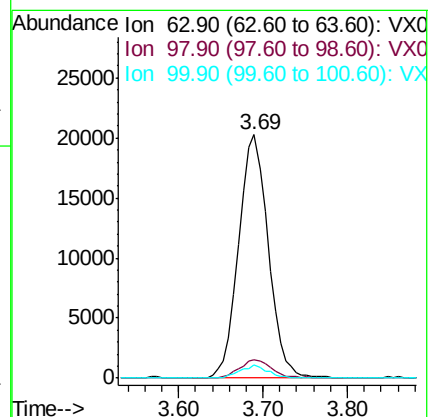
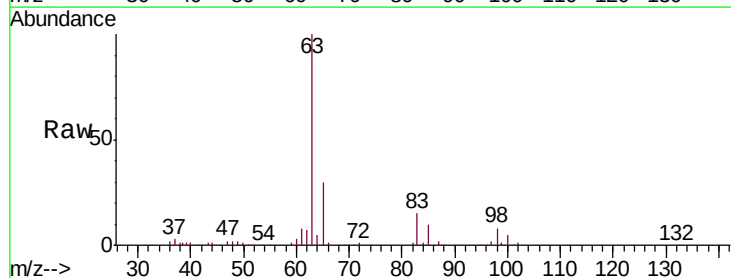
Tgt Ion: 63 Resp: 48243

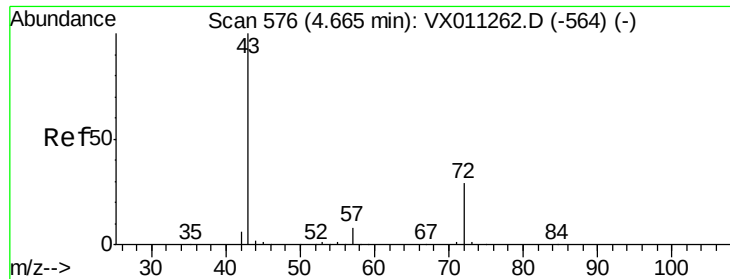
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 5.4 2.7 8.1





#25

2-Butanone

Concen: 90.959 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tgt Ion: 43 Resp: 107142

Ion Ratio Lower Upper

43 100

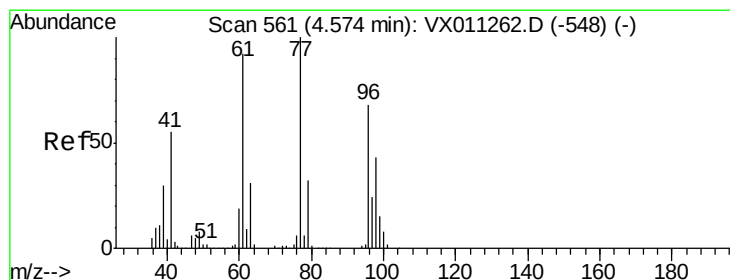
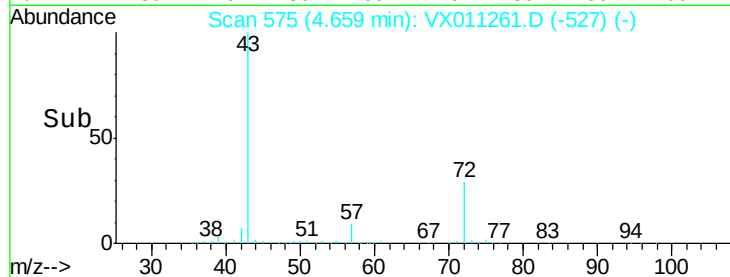
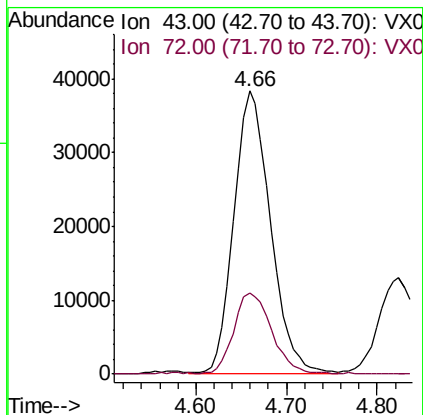
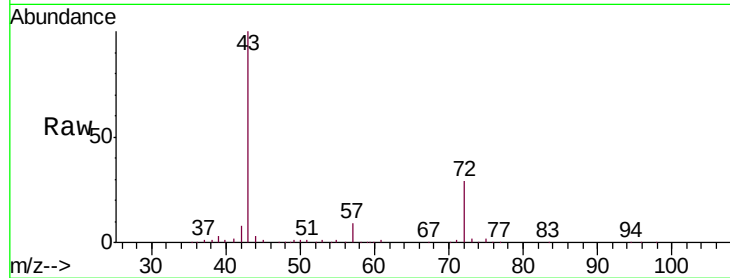
72 28.4 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.276 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011261.D

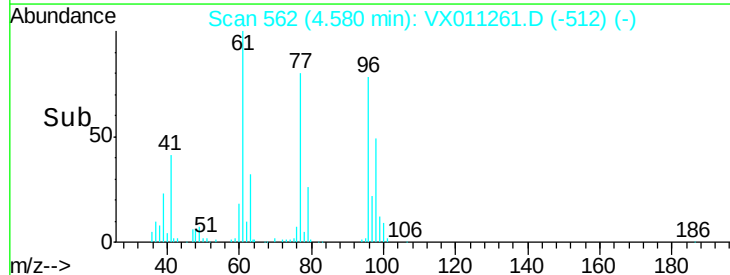
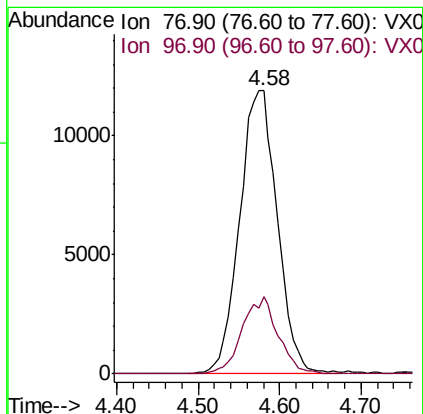
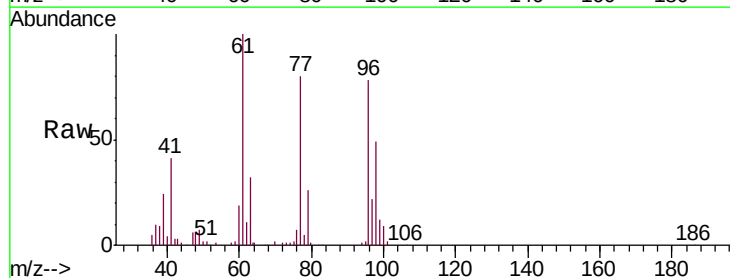
Acq: 01 Aug 2019 15:50

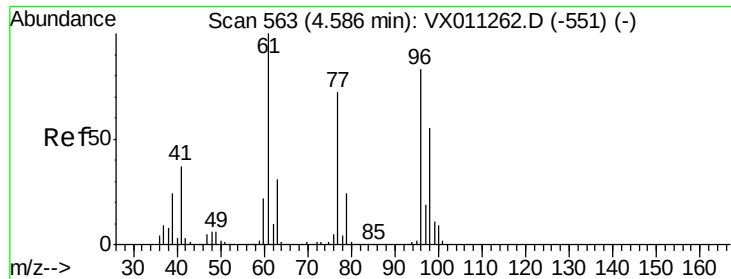
Tgt Ion: 77 Resp: 38187

Ion Ratio Lower Upper

77 100

97 25.9 12.8 38.4





#27

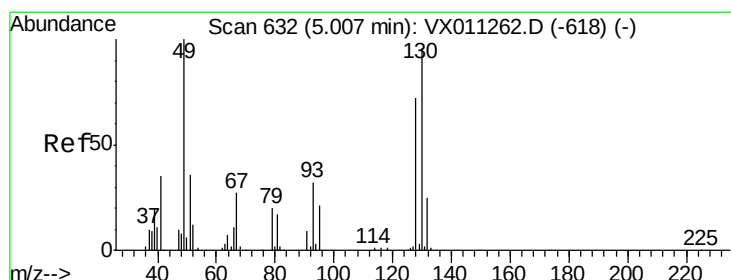
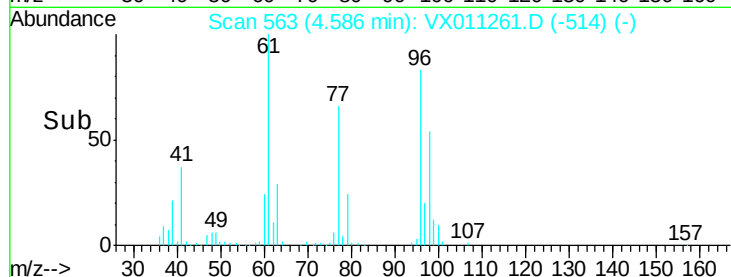
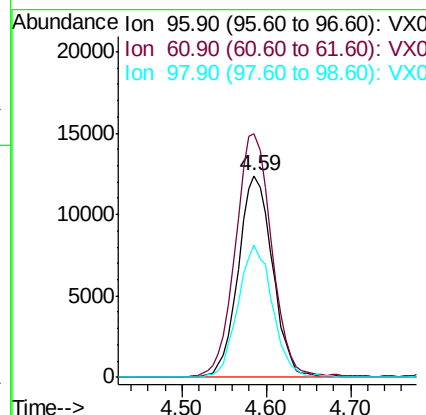
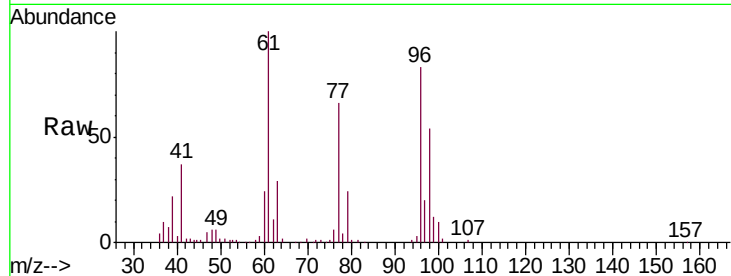
cis-1,2-Dichloroethene
Concen: 18.192 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	34092		
61	128.0	0.0	260.2	
98	65.9	0.0	133.2	

Manual Integrations
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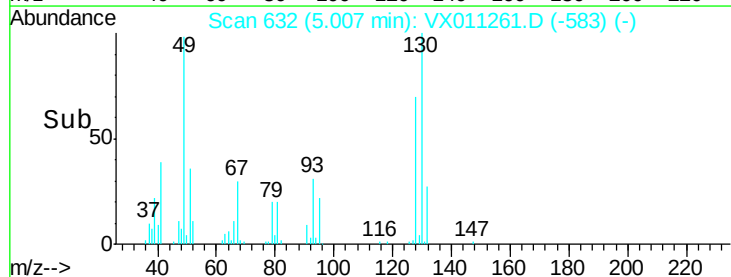
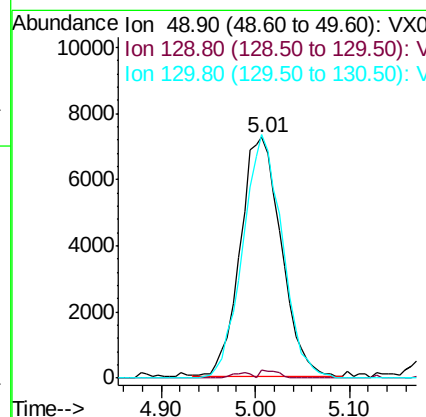
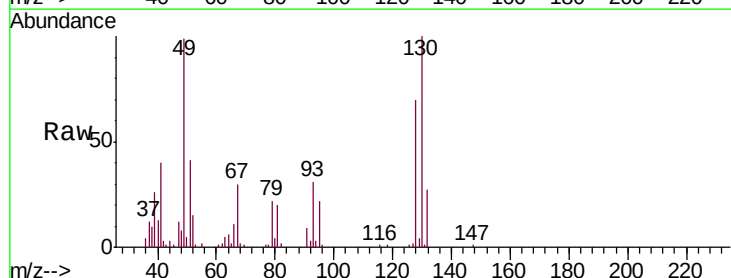
MMDadoda
8/2/2019 9:06:59 AM

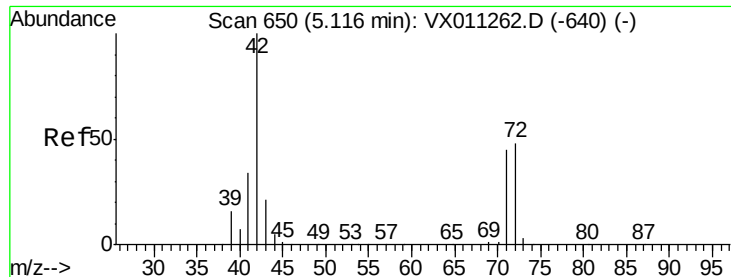


#28

Bromochloromethane
Concen: 17.236 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21783		
129	1.6	0.0	5.8	
130	98.8	77.9	116.9	





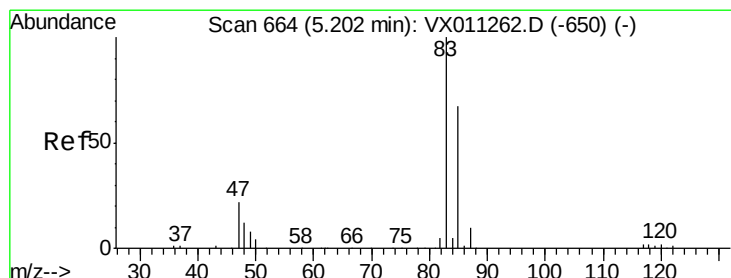
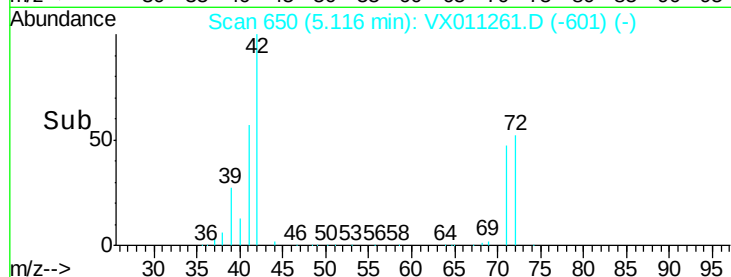
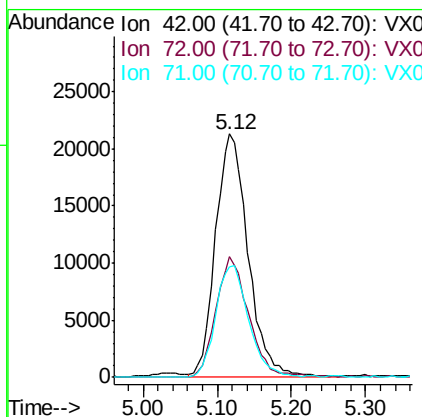
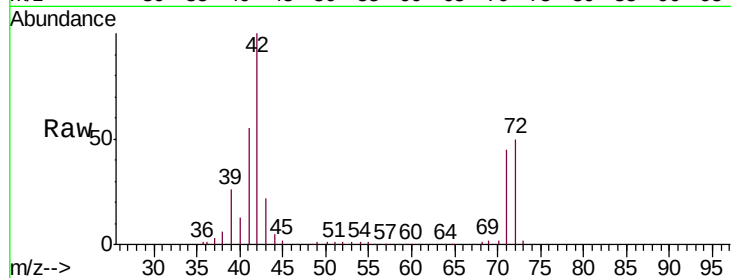
#29
Tetrahydrofuran
Concen: 86.024 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.8	39.9	59.9
71	46.9	36.9	55.3

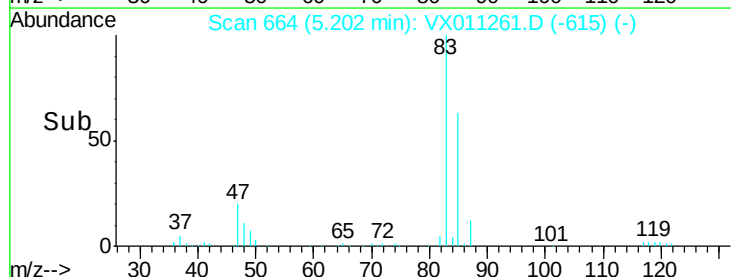
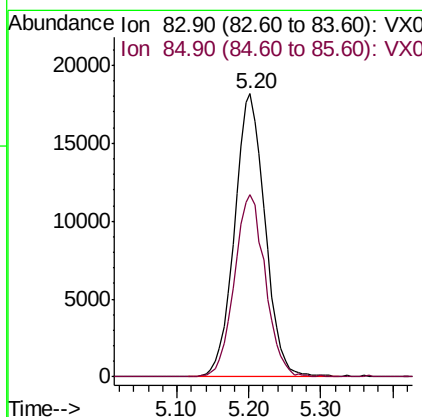
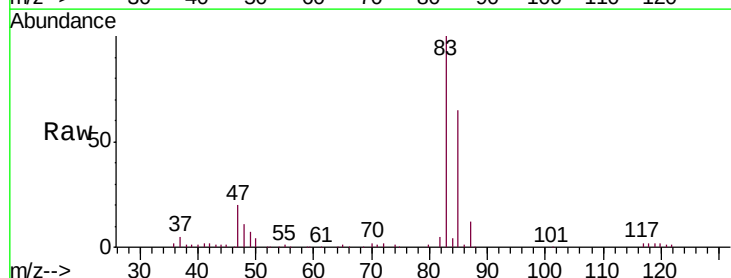
Manual Integrations
APPROVED

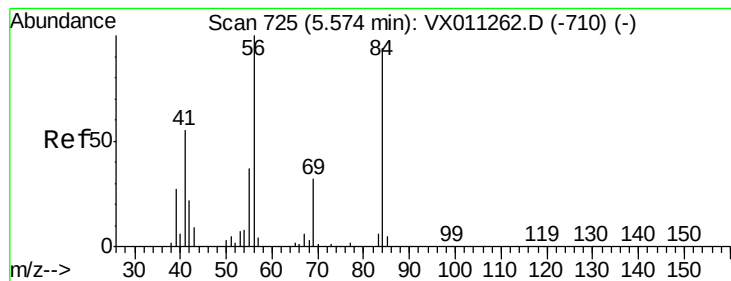
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8/2/2019 9:06:59 AM



#30
Chloroform
Concen: 18.237 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.4	80.0





#31

Cyclohexane

Concen: 16.877 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

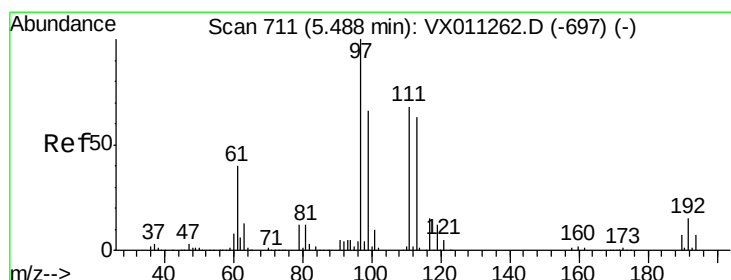
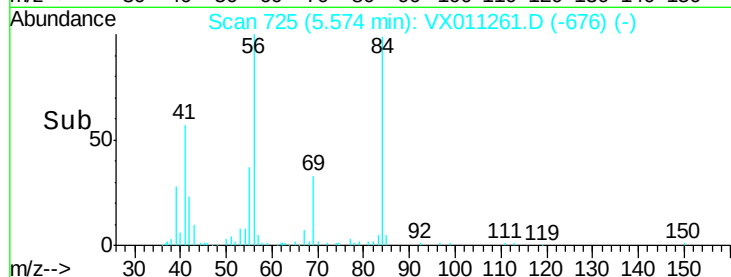
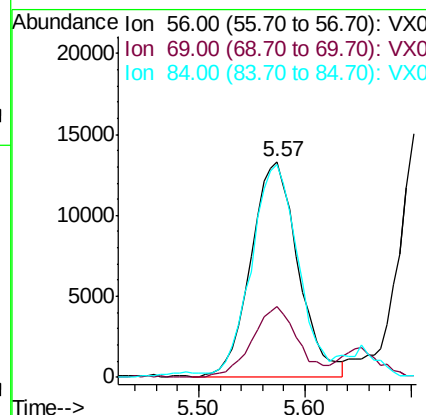
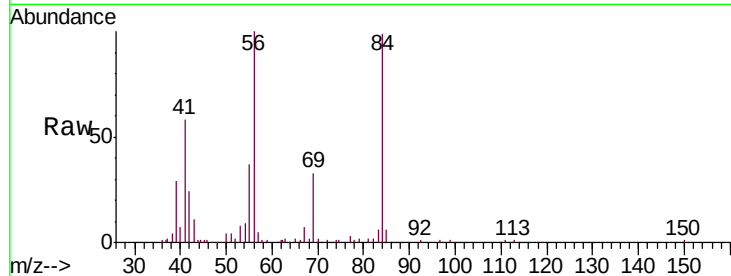
ClientSampleId :

VSTDIC020

Tgt Ion:	56	Resp:	41029
Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.5	38.3
84	97.1	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.627 ug/l

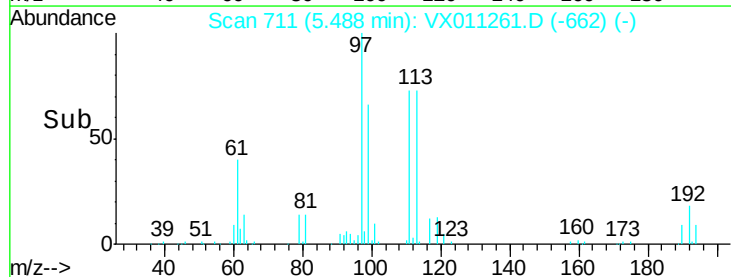
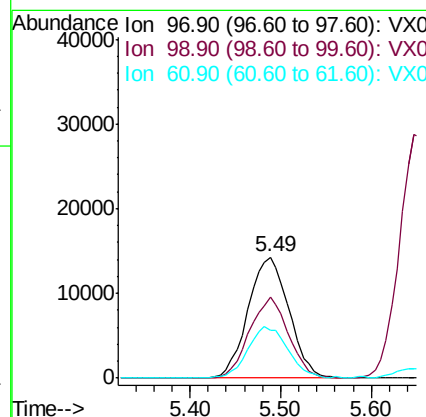
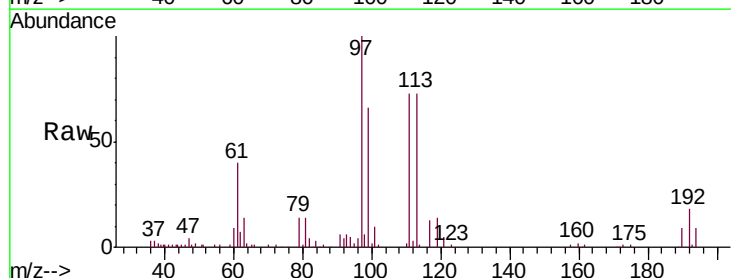
RT: 5.49 min Scan# 711

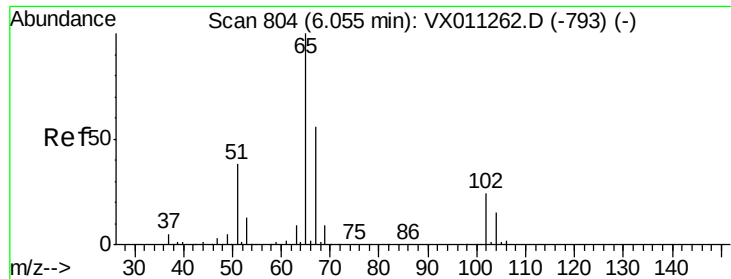
Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion:	97	Resp:	44592
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	40.8	32.3	48.5





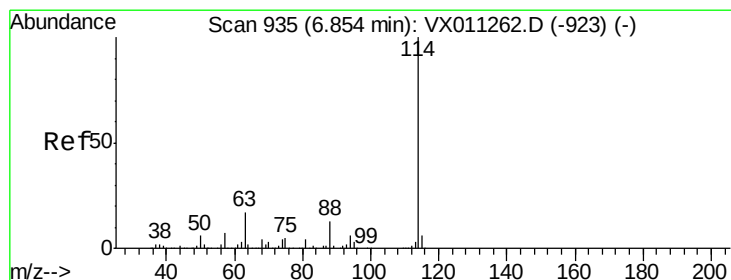
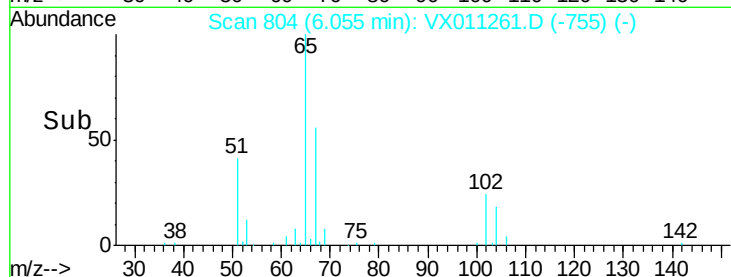
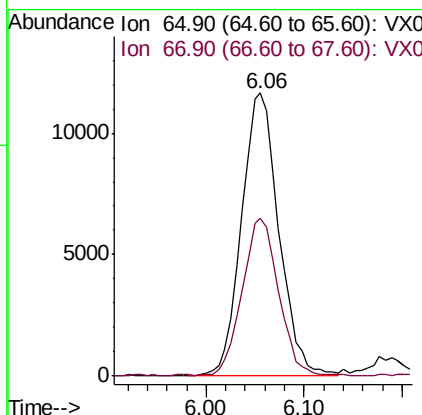
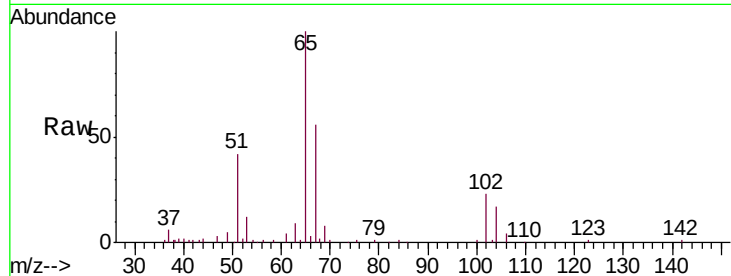
#33
 1,2-Dichloroethane-d4
 Concen: 17.244 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	30828		
67	54.9	0.0	110.6	

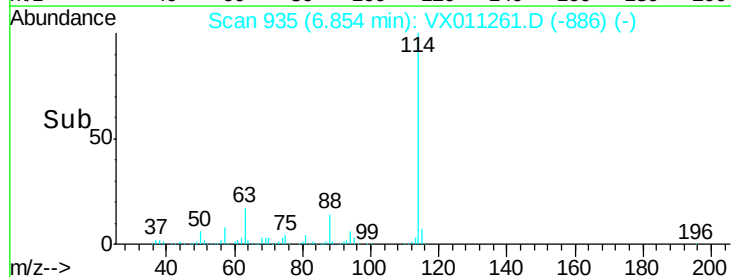
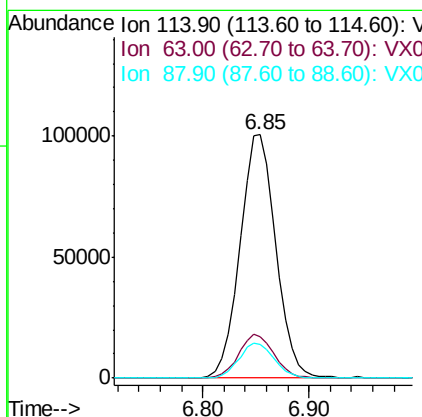
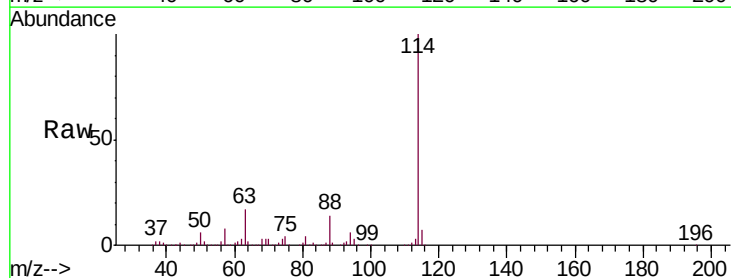
Manual Integrations
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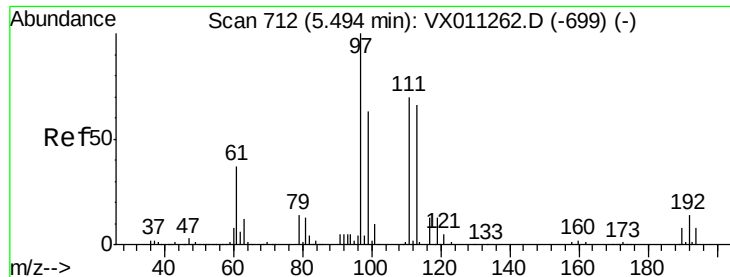
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	237873		
63	17.0	0.0	34.0	
88	14.1	0.0	26.4	





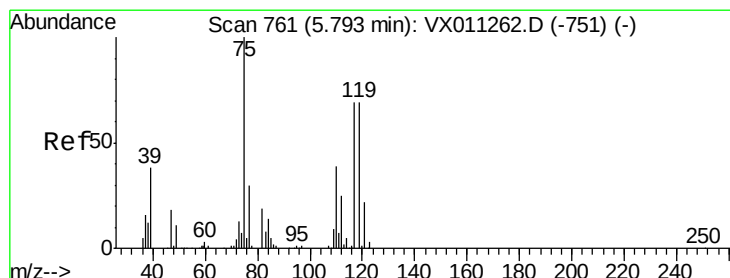
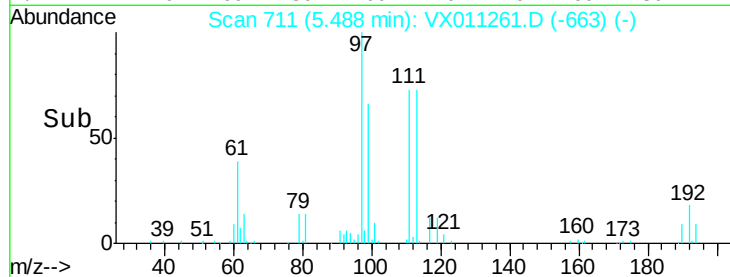
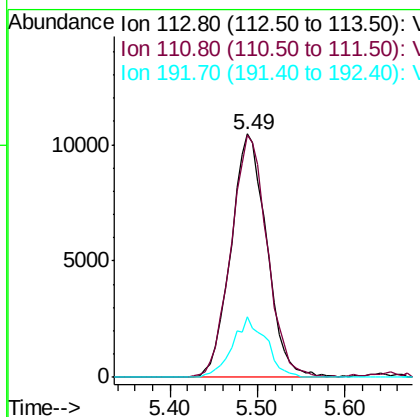
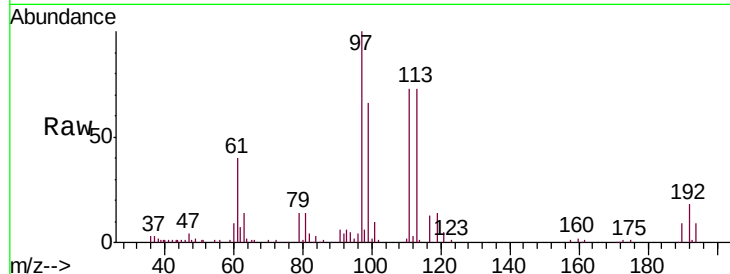
#35
 Dibromofluoromethane
 Concen: 19.731 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	29808		
111	100.6	81.9	122.9	
192	23.3	17.8	26.8	

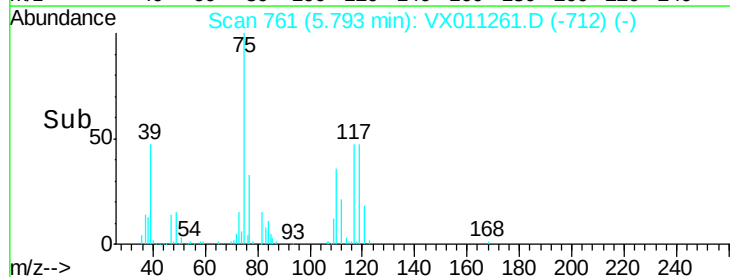
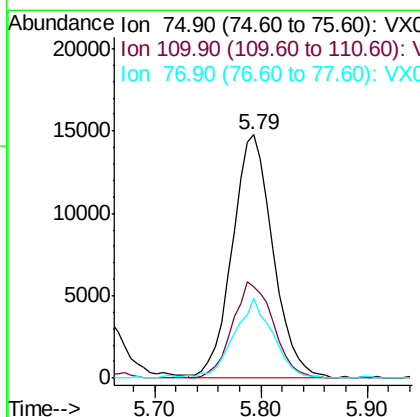
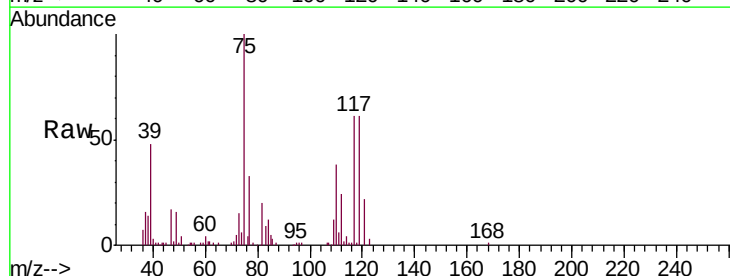
Manual Integrations
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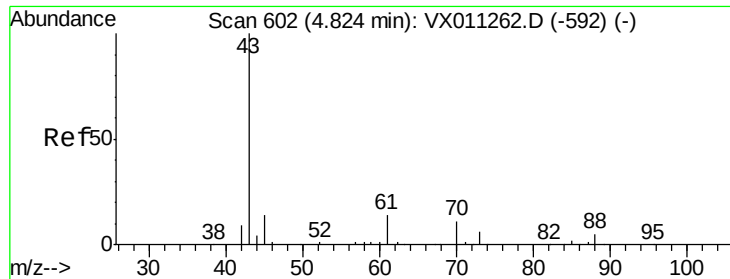
MMDadoda
 8/2/2019 9:06:59 AM



#36
 1,1-Dichloropropene
 Concen: 20.056 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39622		
110	39.7	20.0	59.9	
77	31.3	24.8	37.2	





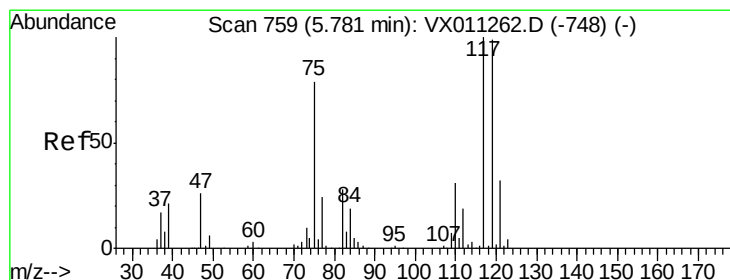
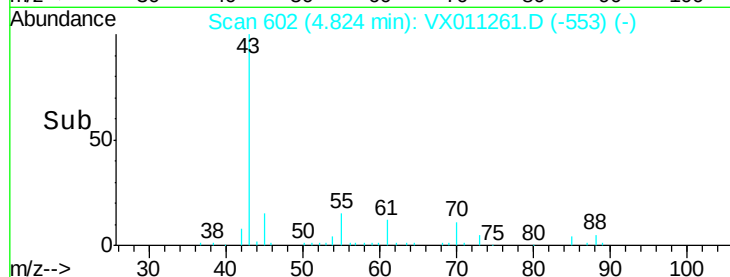
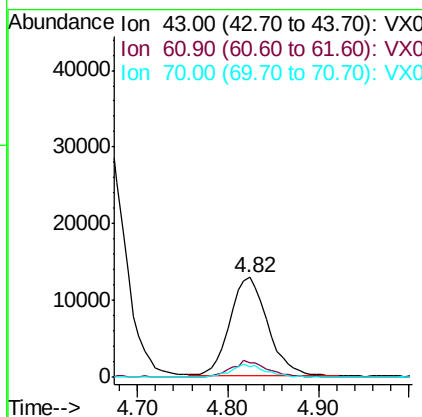
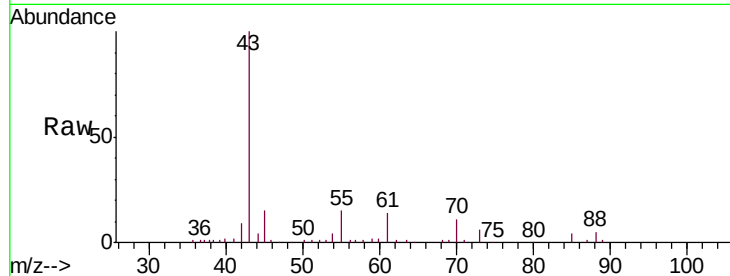
#37
Ethyl Acetate
Concen: 18.728 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:	43	Resp:	37540
Ion	Ratio	Lower	Upper
43	100		
61	16.7	12.6	18.8
70	12.4	9.1	13.7

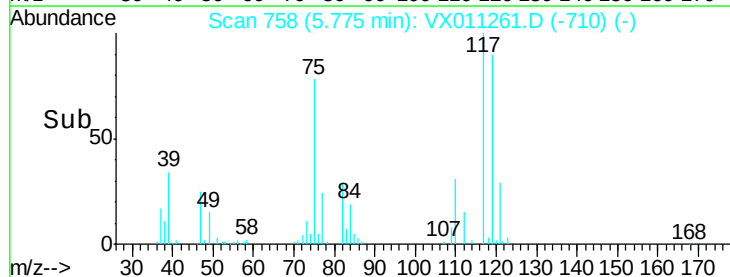
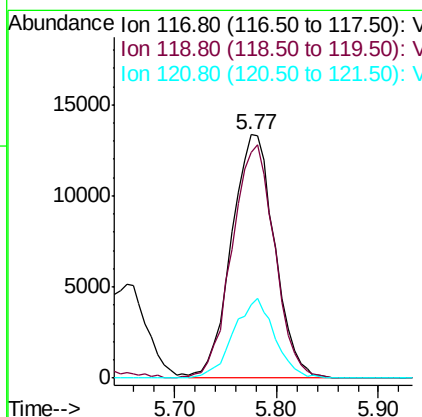
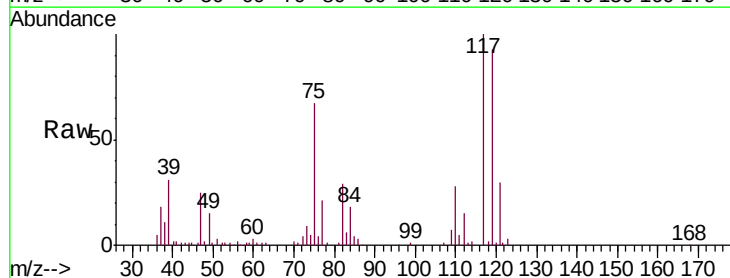
Manual Integrations
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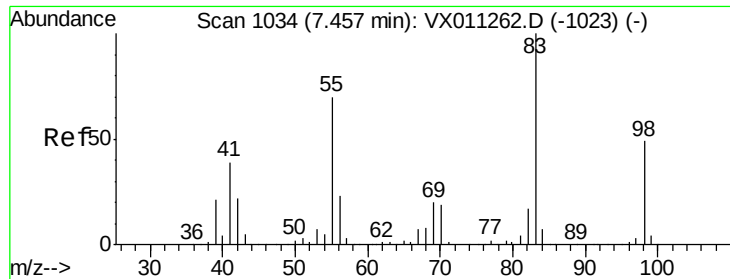
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#38
Carbon Tetrachloride
Concen: 19.046 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion:	117	Resp:	39139
Ion	Ratio	Lower	Upper
117	100		
119	92.7	79.0	118.4
121	30.4	25.9	38.9





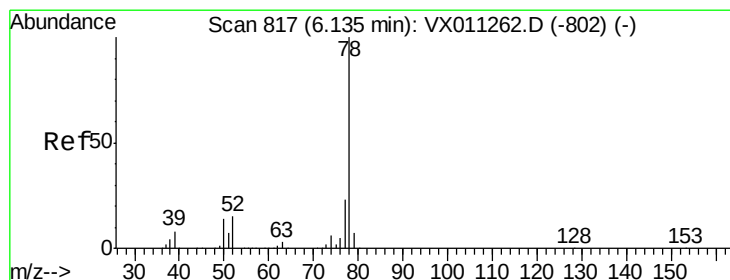
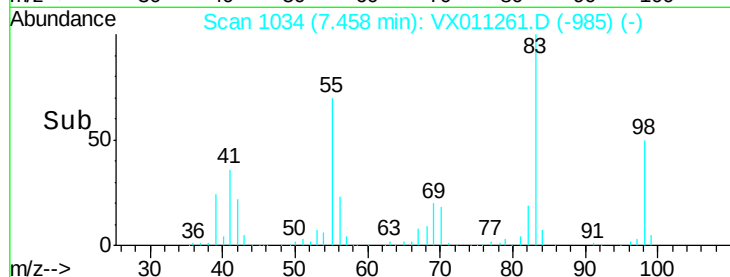
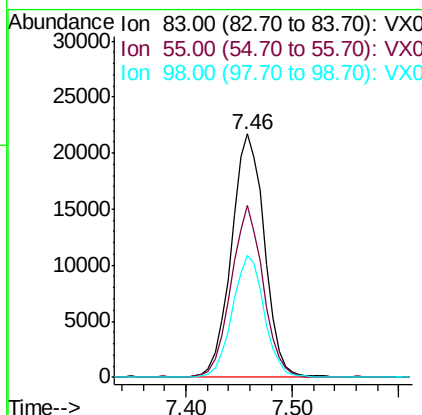
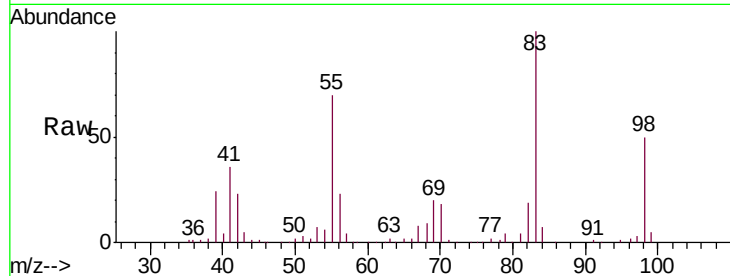
#39
Methylcyclohexane
Concen: 18.702 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.2	56.1	84.1
98	49.9	39.0	58.4

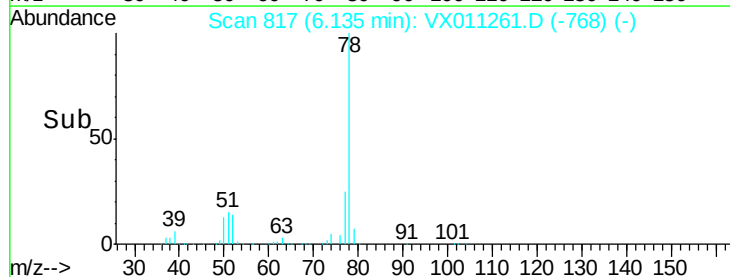
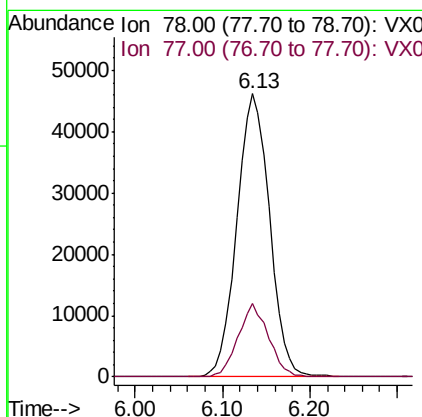
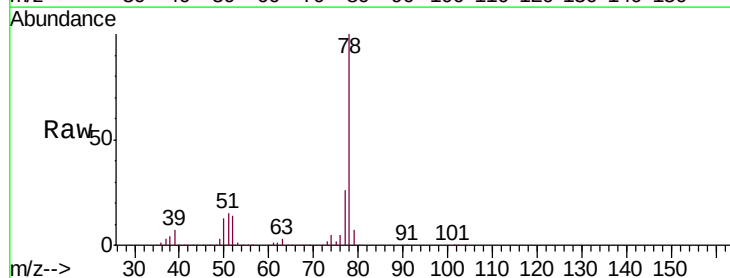
Manual Integrations
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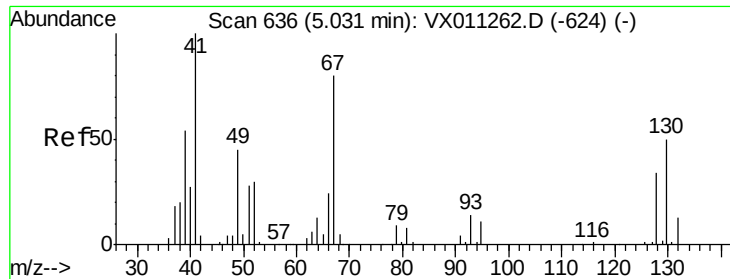
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#40
Benzene
Concen: 19.887 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	18.2	27.2





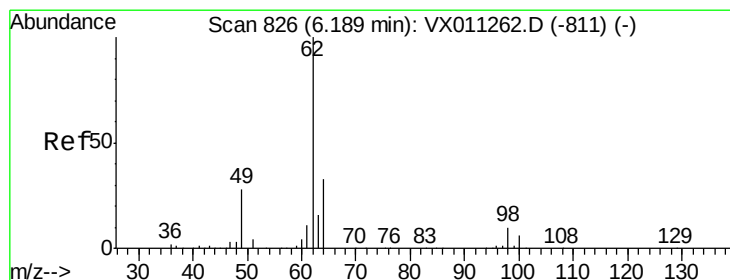
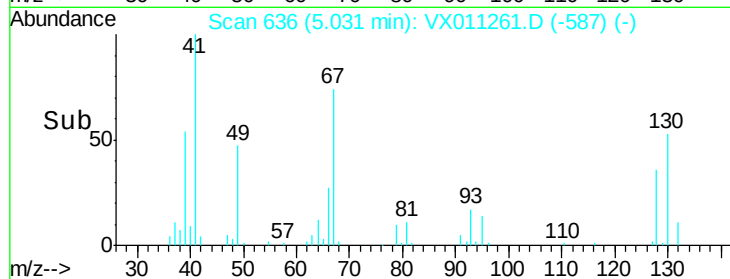
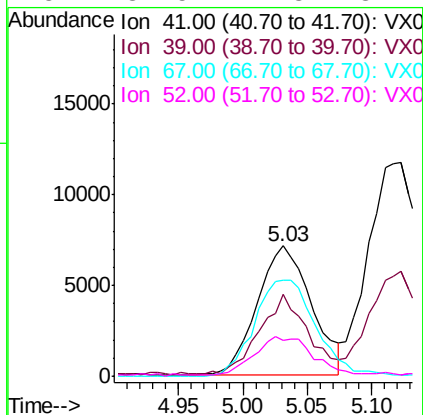
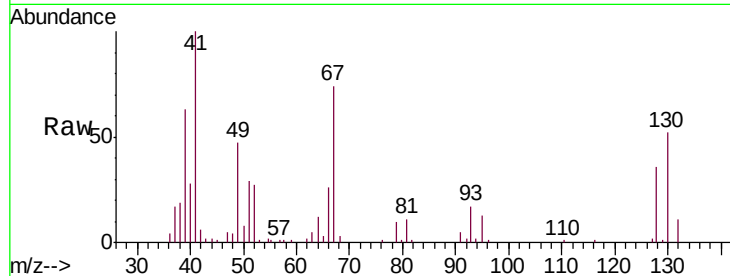
#41
Methacrylonitrile
Concen: 18.206 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion:	41	Resp:	20949
Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.0	64.6
67	83.9	65.1	97.7
52	32.5	24.8	37.2

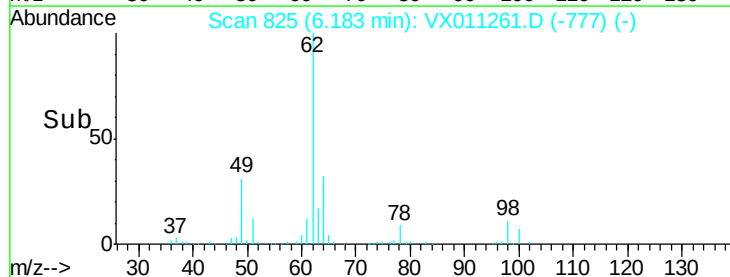
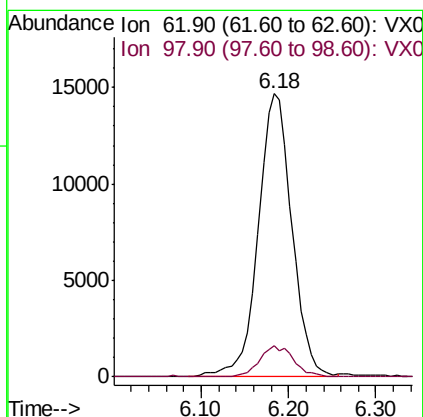
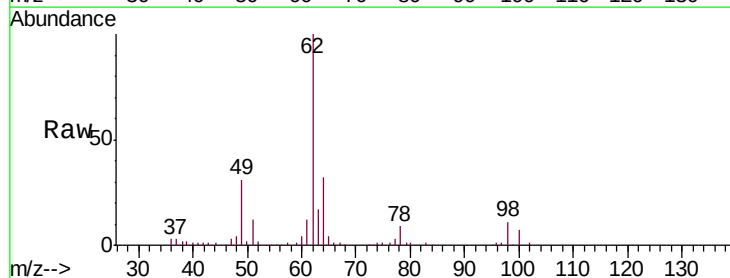
Manual Integrations
APPROVED

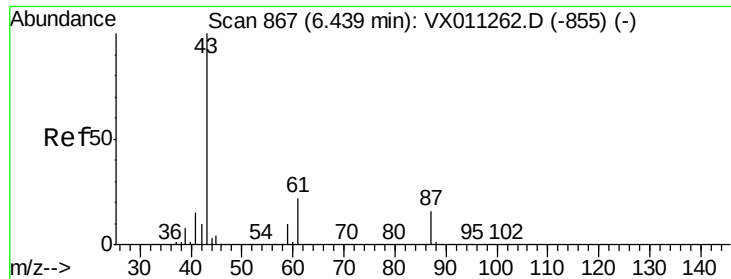
MMDadoda
8/2/2019 9:06:59 AM



#42
1,2-Dichloroethane
Concen: 18.725 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion:	62	Resp:	39204
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	20.6





#43

Isopropyl Acetate

Concen: 18.080 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

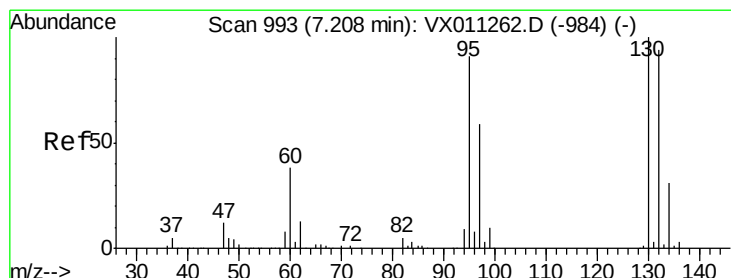
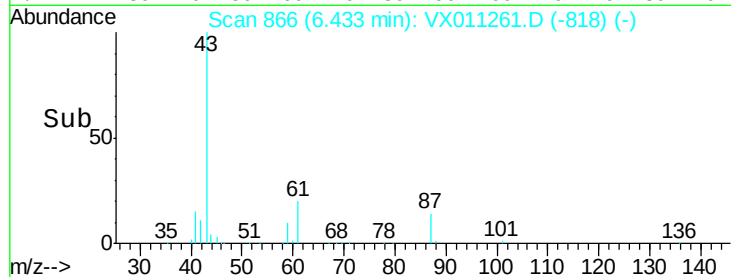
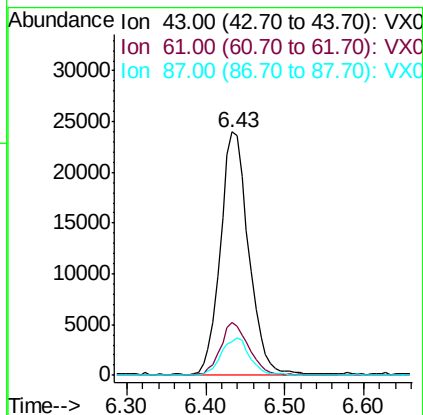
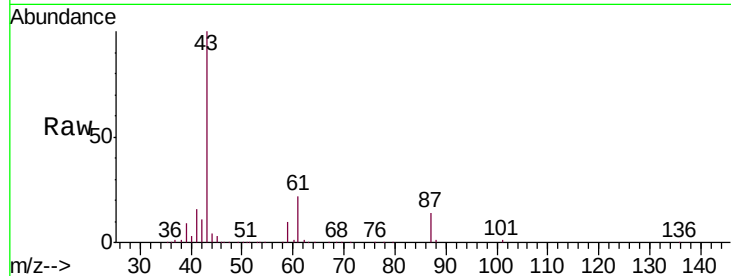
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	59726
Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.5	24.7
87	15.8	12.1	18.1

Manual Integrations
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#44

Trichloroethene

Concen: 20.357 ug/l

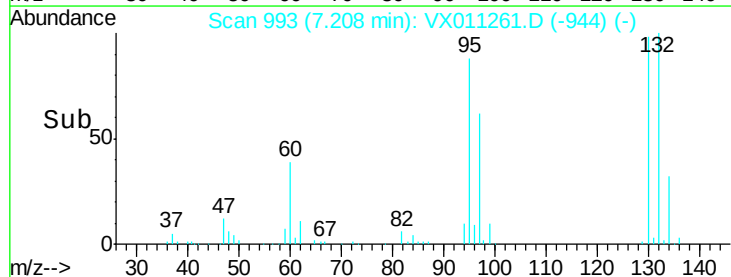
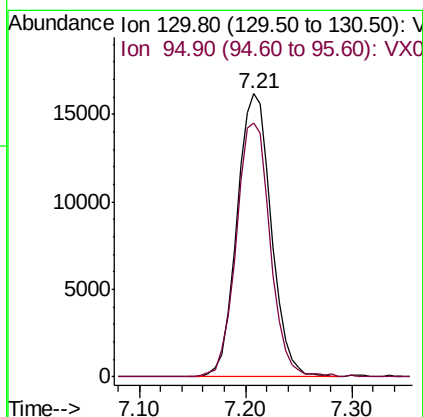
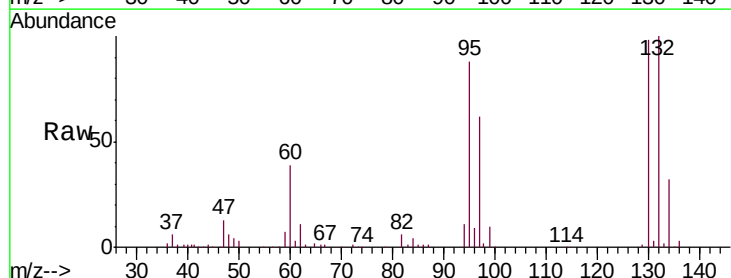
RT: 7.21 min Scan# 993

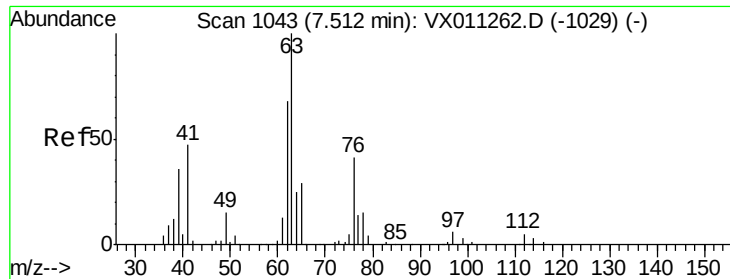
Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion:	130	Resp:	36514
Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	182.6





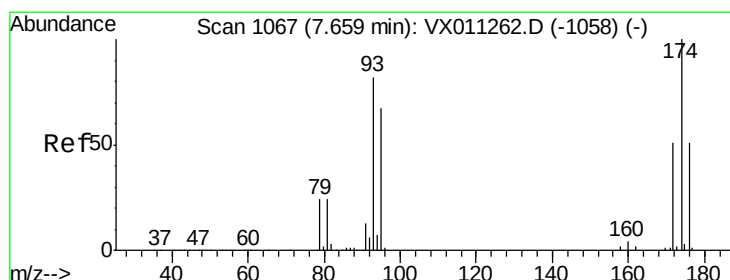
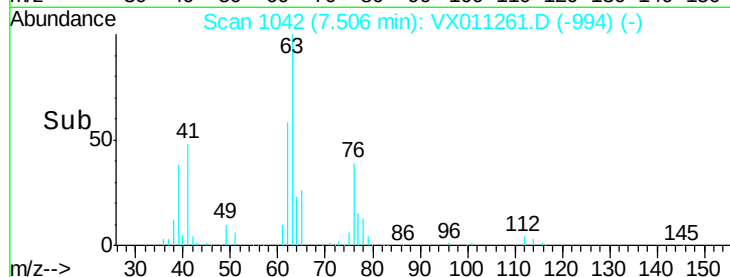
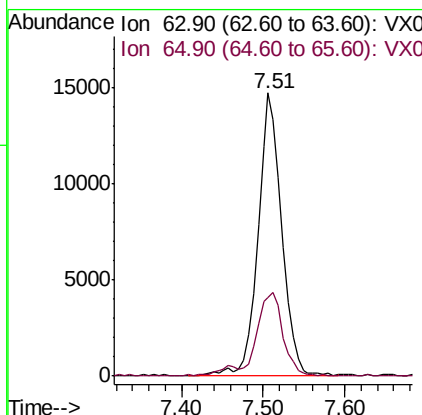
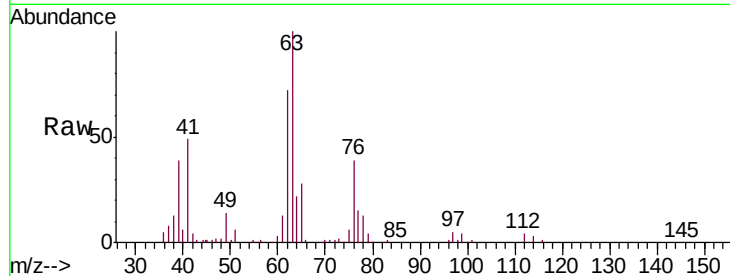
#45
 1,2-Dichloropropane
 Concen: 19.459 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 29963
 Ion Ratio Lower Upper
 63 100
 65 27.7 23.3 34.9

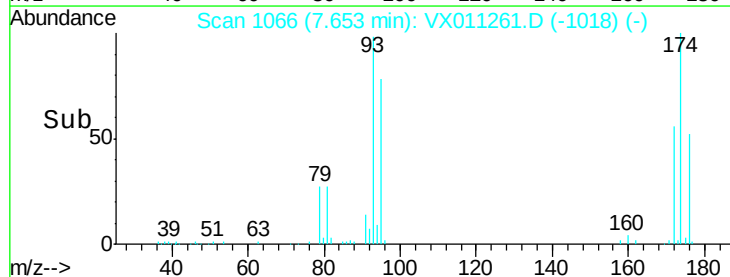
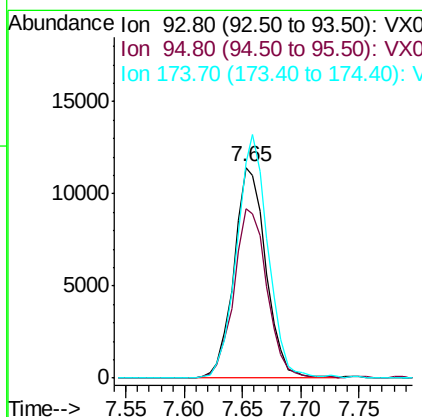
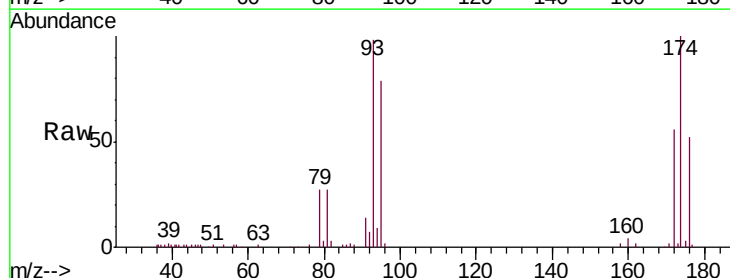
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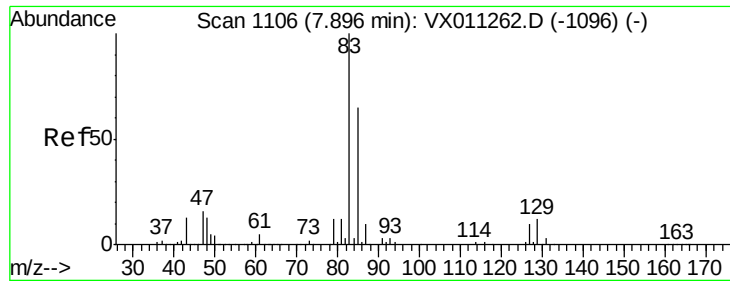
MMDadoda
 8/2/2019 9:06:59 AM



#46
 Dibromomethane
 Concen: 19.921 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion: 93 Resp: 21904
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.4 99.6
 174 113.5 93.4 140.2





#47

Bromodichloromethane

Concen: 18.744 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

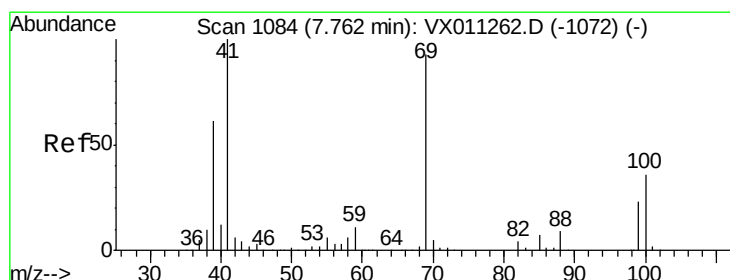
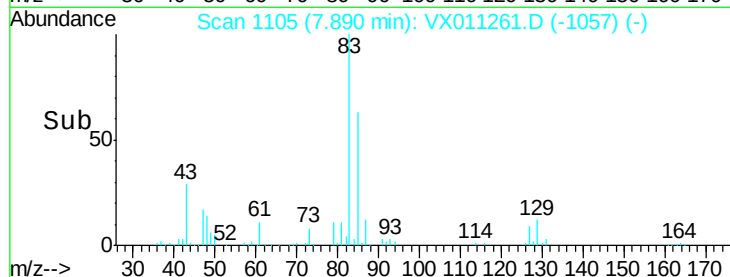
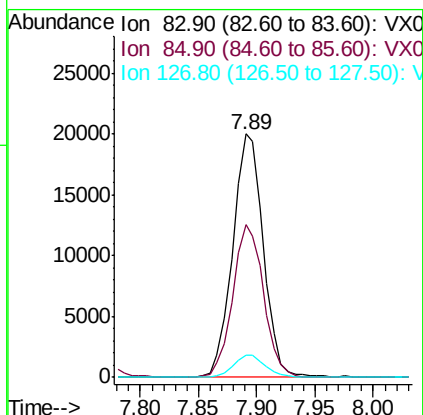
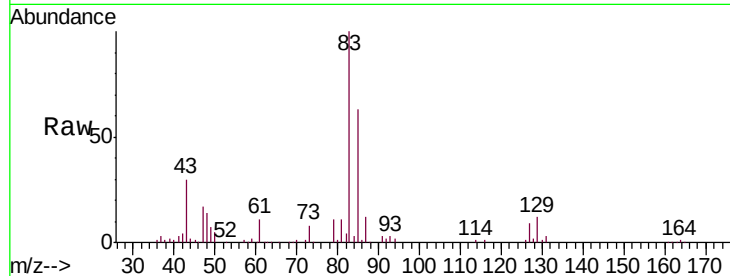
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	36558
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.2	78.2
127	8.8	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.716 ug/l

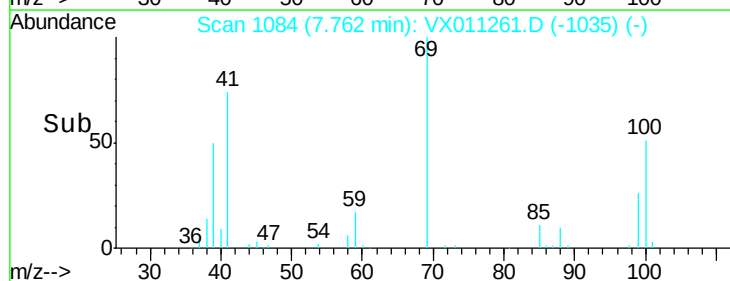
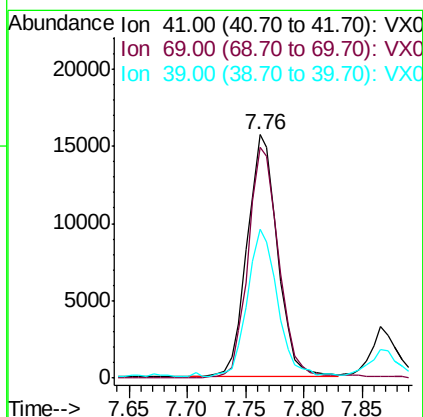
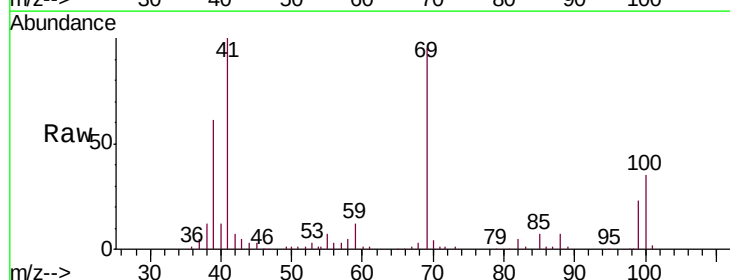
RT: 7.76 min Scan# 1084

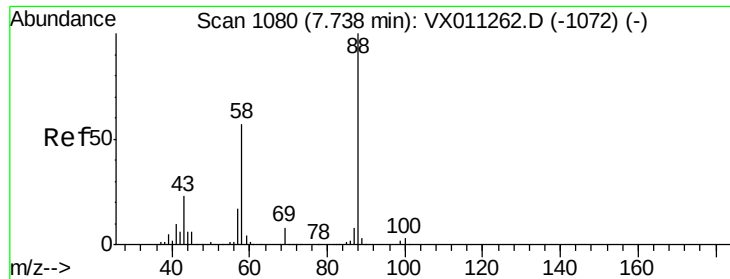
Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion:	41	Resp:	28470
Ion	Ratio	Lower	Upper
41	100		
69	96.9	74.5	111.7
39	60.8	48.6	72.8





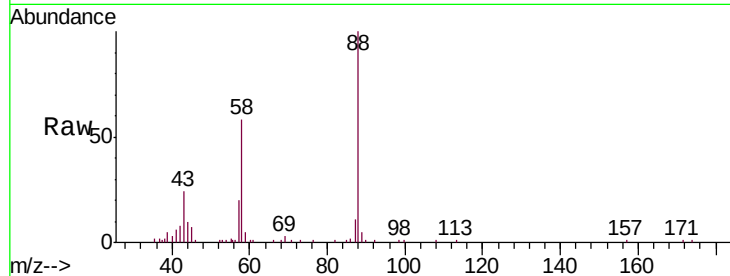
#49
1,4-Dioxane
Concen: 367.206 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.7	22.2	33.2
58	63.8	47.8	71.8

Manual Integrations
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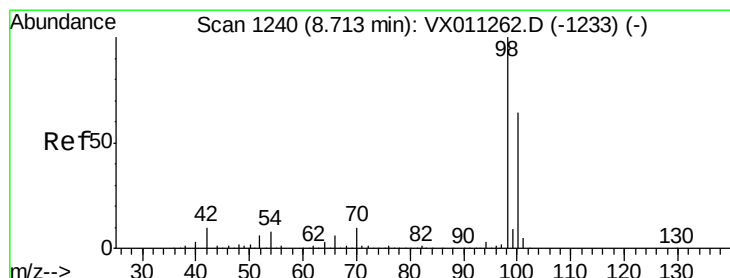
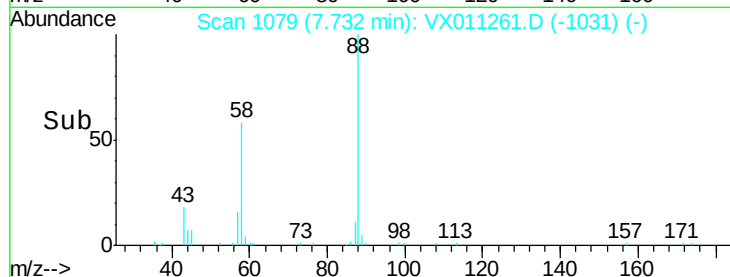
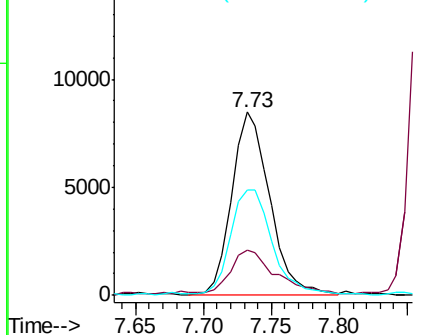


Abundance

Ion 88.00 (87.70 to 88.70): VX0

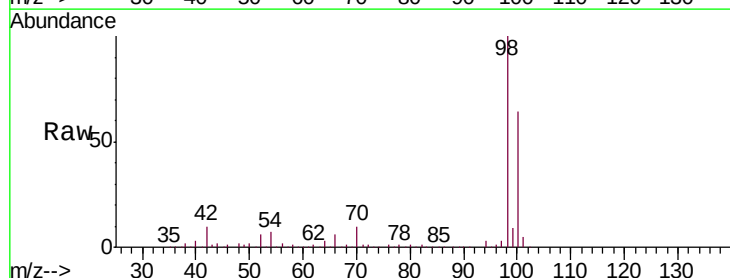
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 19.500 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

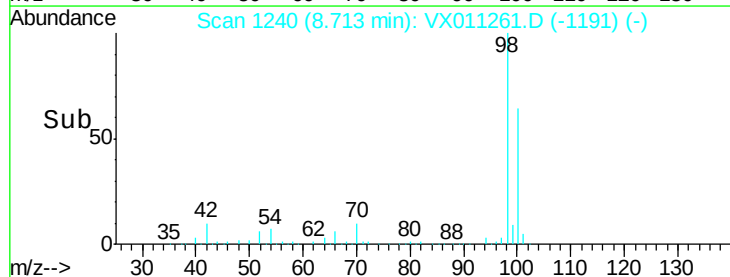
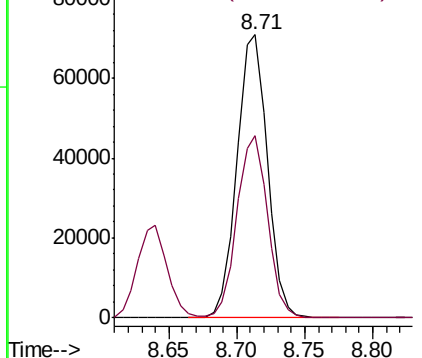
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5

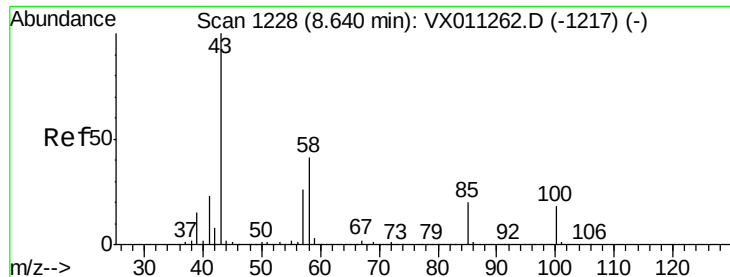


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





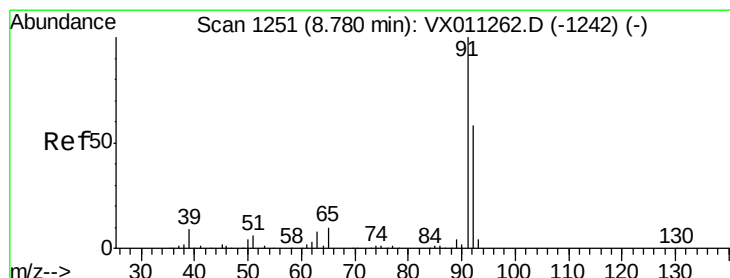
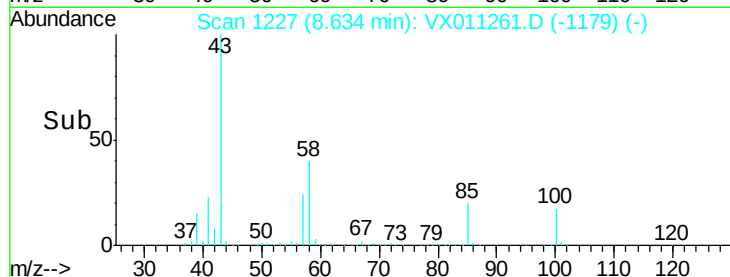
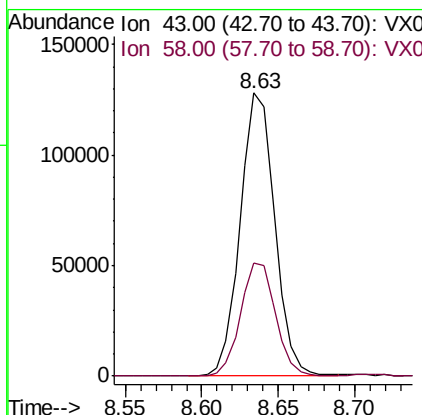
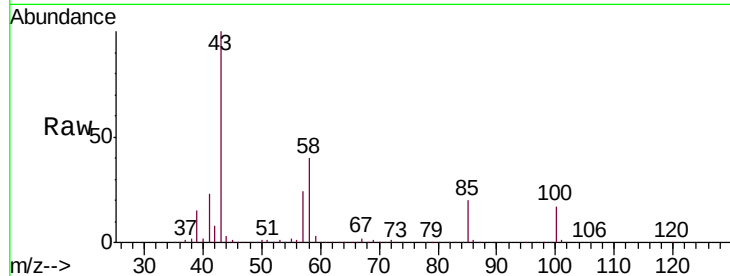
#51
 4-Methyl-2-Pentanone
 Concen: 93.738 ug/l
 RT: 8.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.3	48.5

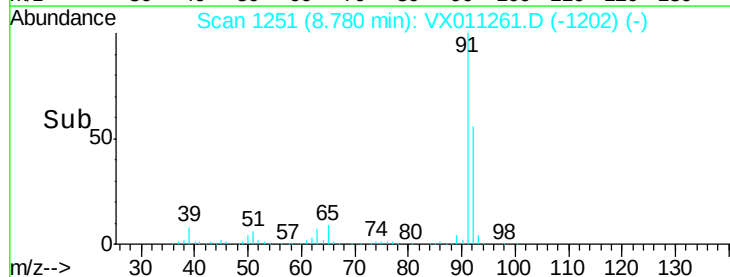
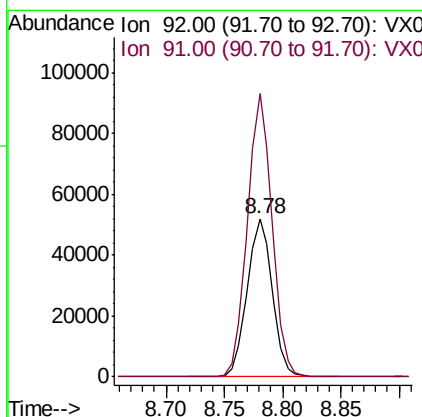
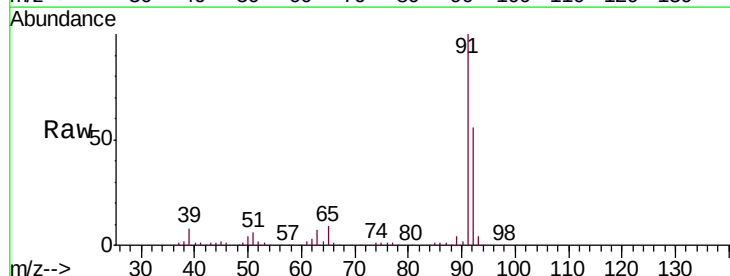
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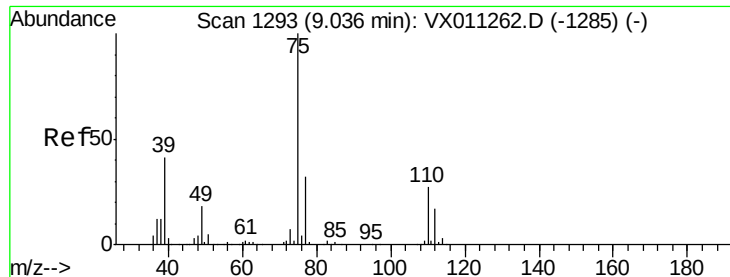
MMDadoda
 8/2/2019 9:06:59 AM



#52
 Toluene
 Concen: 19.837 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.5	139.4	209.0





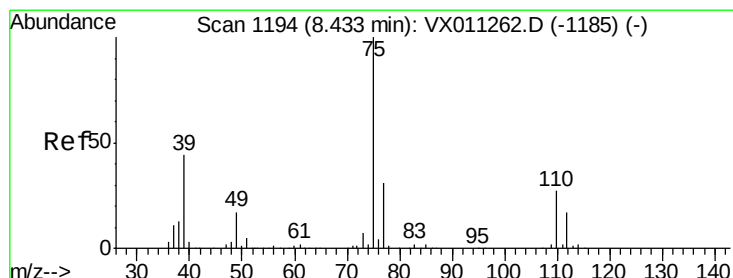
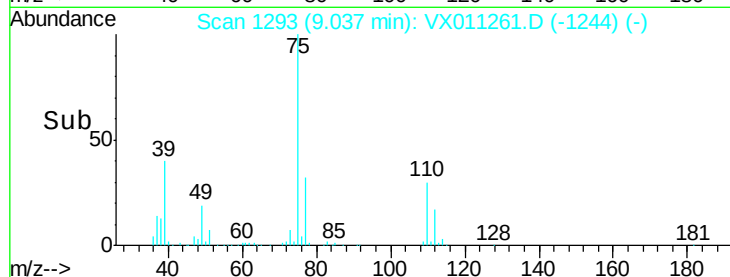
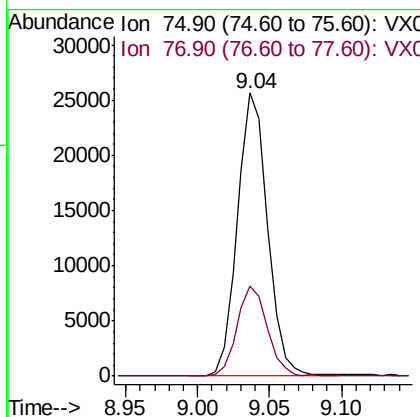
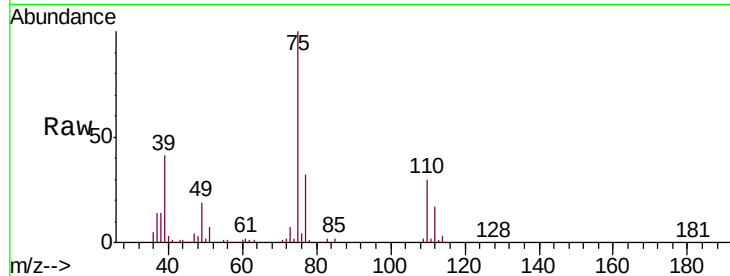
#53
t-1,3-Dichloropropene
Concen: 17.881 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion: 75 Resp: 37402
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0

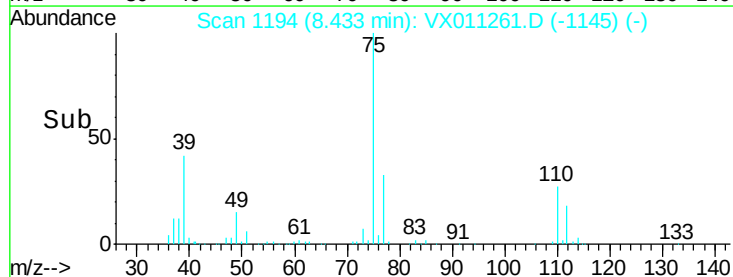
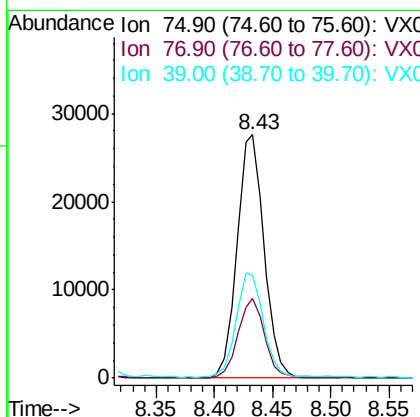
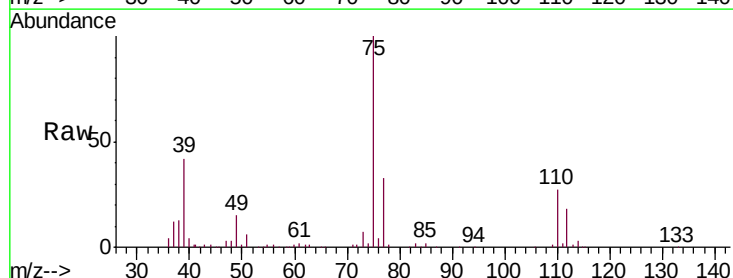
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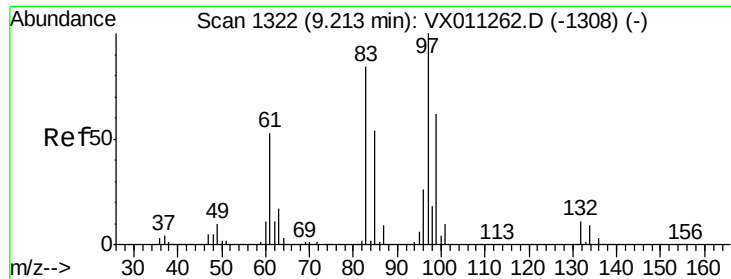
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.164 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 75 Resp: 44700
Ion Ratio Lower Upper
75 100
77 33.0 25.0 37.6
39 41.5 35.3 52.9





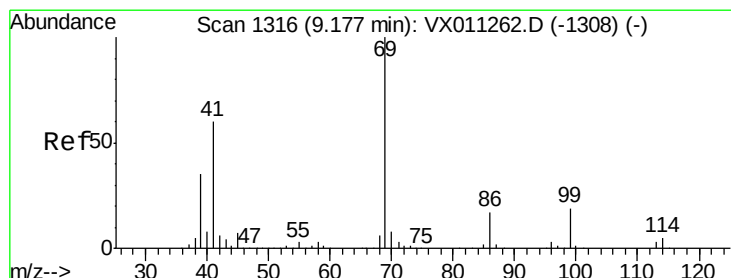
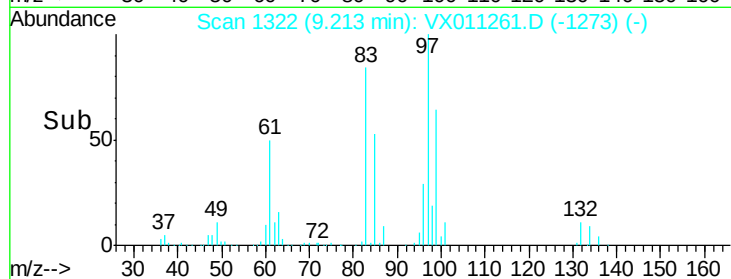
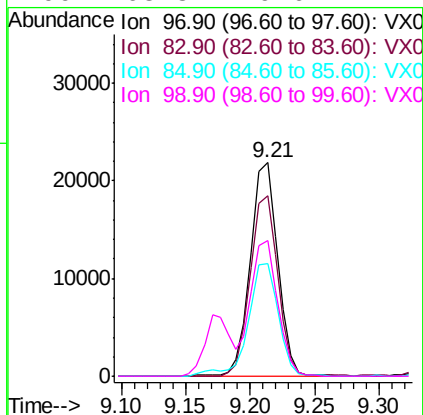
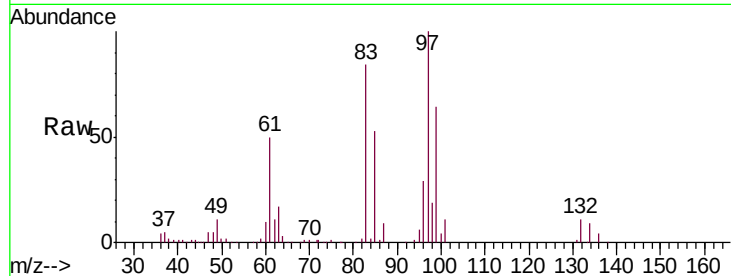
#55
 1,1,2-Trichloroethane
 Concen: 19.606 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.6	101.4
85	52.9	43.4	65.0
99	63.8	49.6	74.4

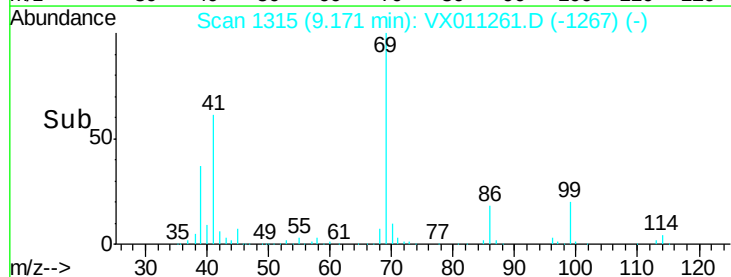
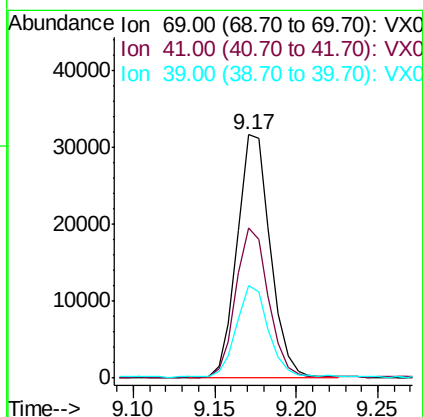
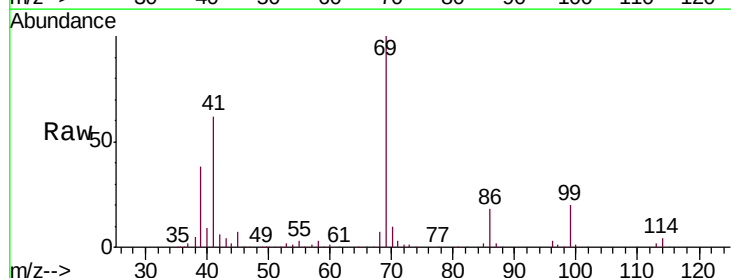
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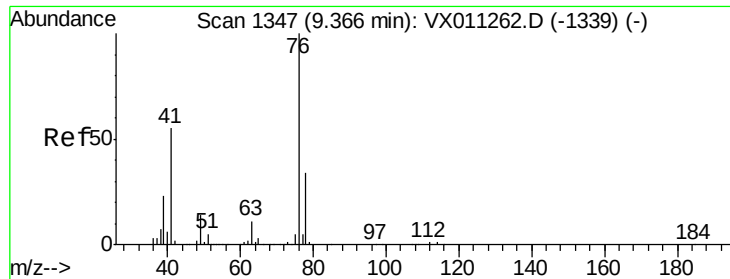
MMDadoda
 8/2/2019 9:06:59 AM



#56
 Ethyl methacrylate
 Concen: 19.047 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.5	48.6	73.0
39	37.0	29.4	44.2





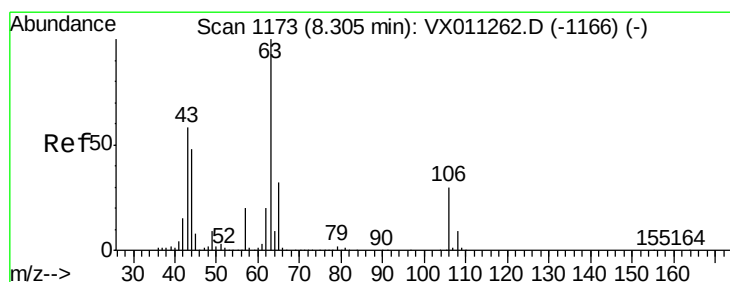
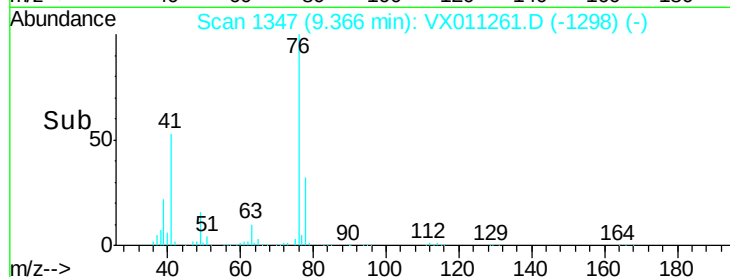
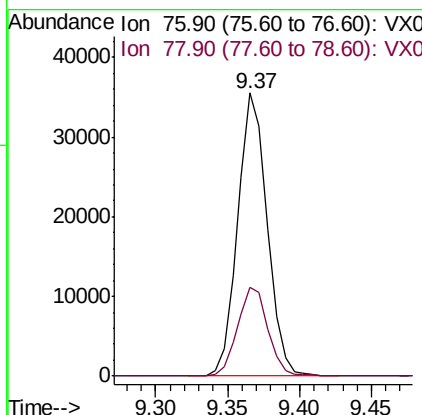
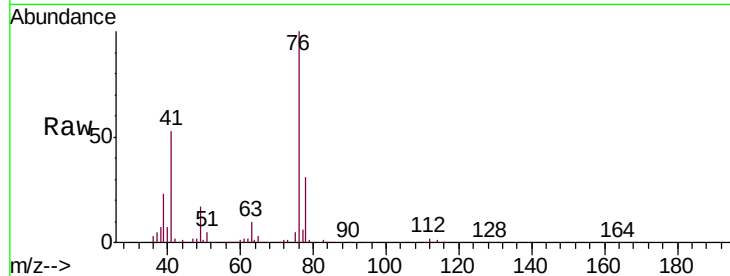
#57
 1,3-Dichloropropane
 Concen: 19.548 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 50623
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.6 40.0

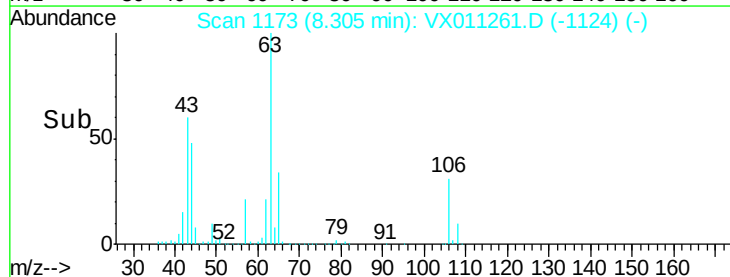
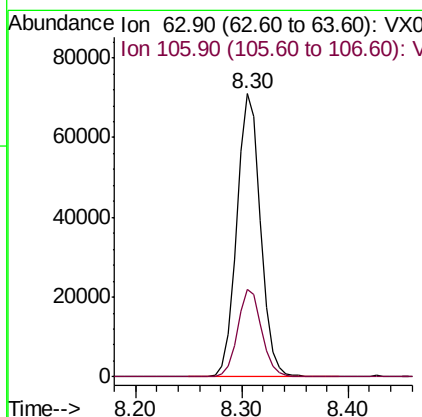
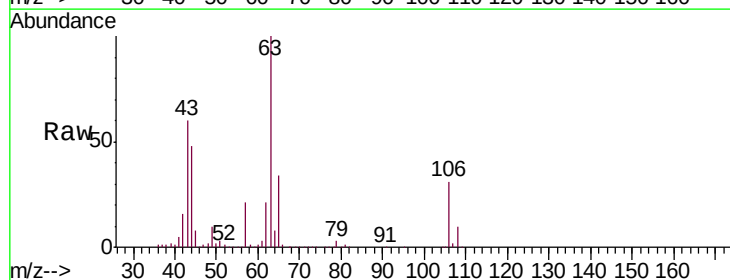
Manual Integrations
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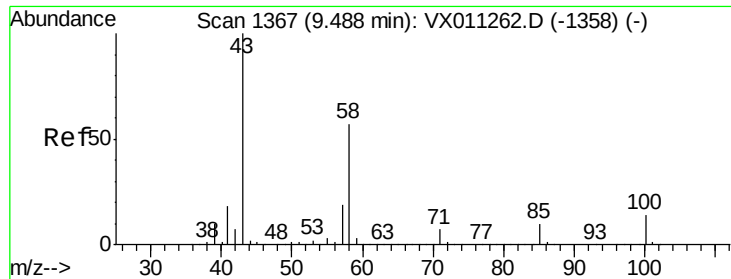
MMDadoda
 8/2/2019 9:06:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.420 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion: 63 Resp: 111042
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.4 36.6





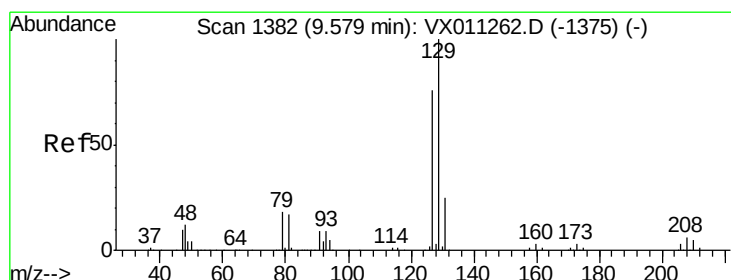
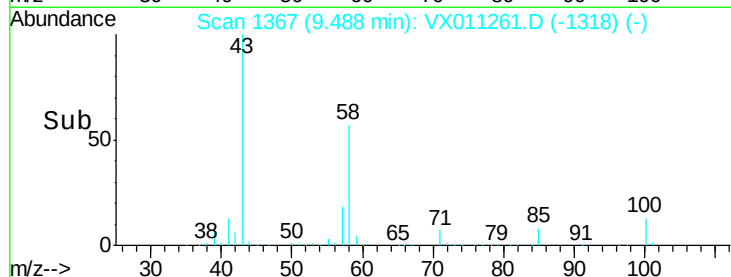
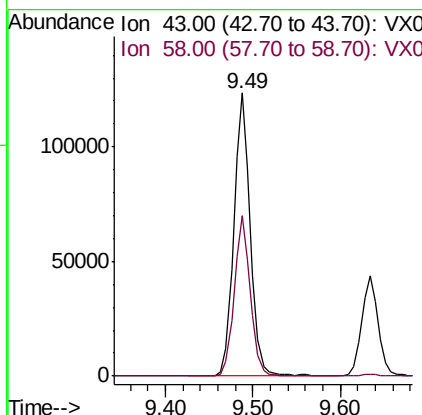
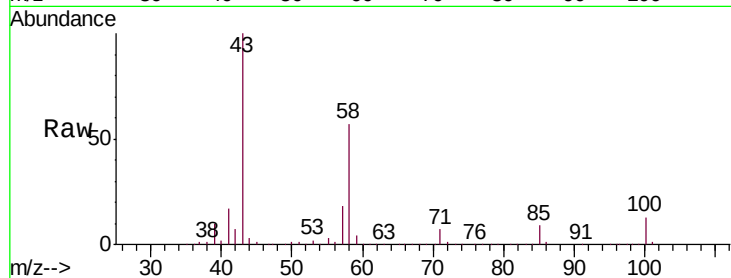
#59
2-Hexanone
Concen: 97.078 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion: 43 Resp: 161781
Ion Ratio Lower Upper
43 100
58 55.9 28.2 84.6

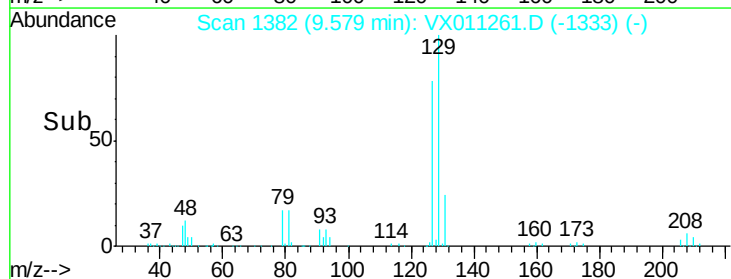
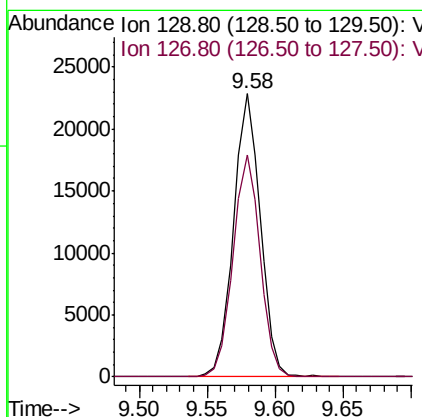
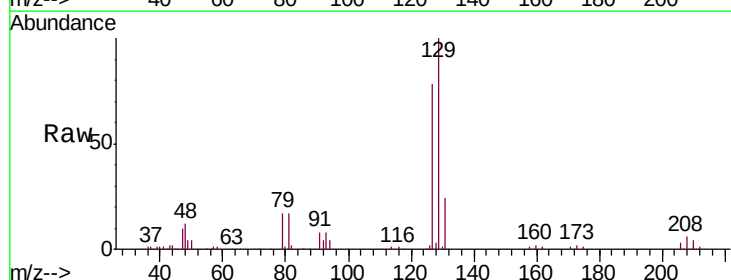
Manual Integrations
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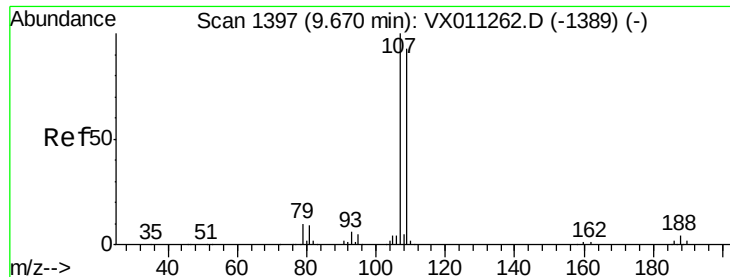
MMDadoda
8/2/2019 9:06:59 AM



#60
Dibromochloromethane
Concen: 18.996 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 129 Resp: 31413
Ion Ratio Lower Upper
129 100
127 78.7 39.2 117.6





#61

1,2-Dibromoethane

Concen: 20.175 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tgt Ion: 107 Resp: 35099

Ion Ratio Lower Upper

107 100

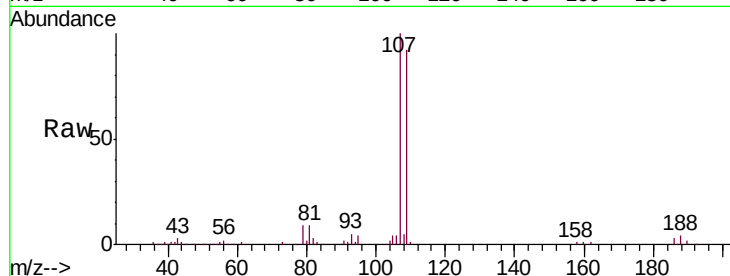
109 92.6 76.6 114.8

Manual Integrations

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MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

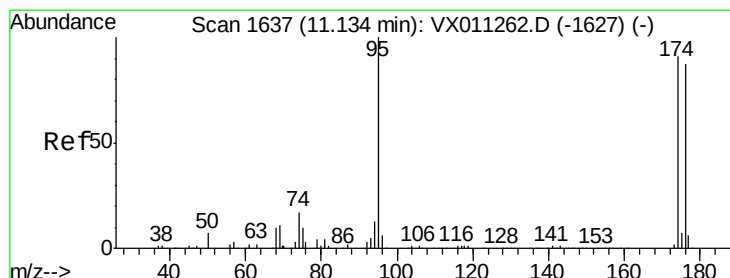
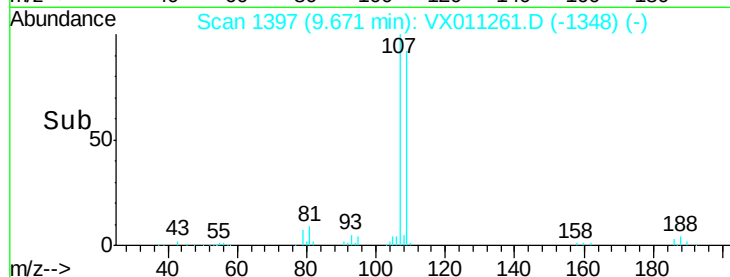
10000

5000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 18.642 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

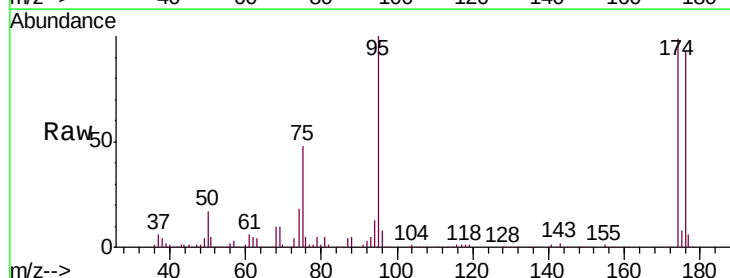
Tgt Ion: 95 Resp: 38569

Ion Ratio Lower Upper

95 100

174 96.8 0.0 191.2

176 92.4 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

40000

30000

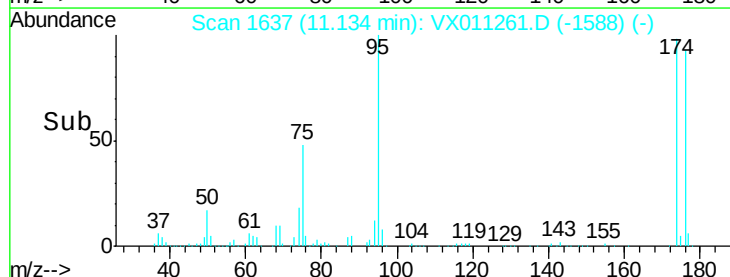
20000

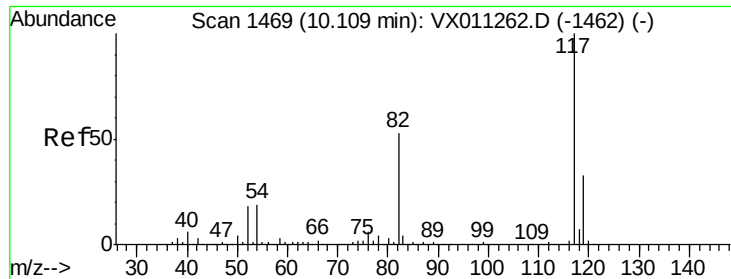
10000

0

11.05 11.10 11.15 11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

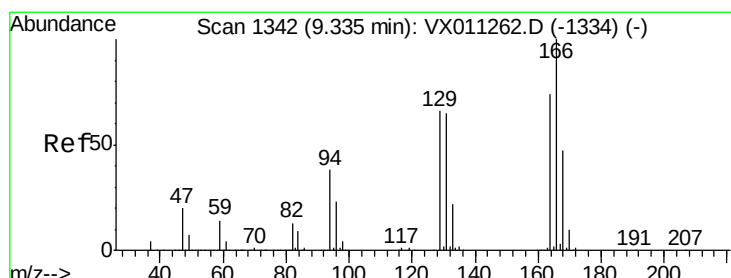
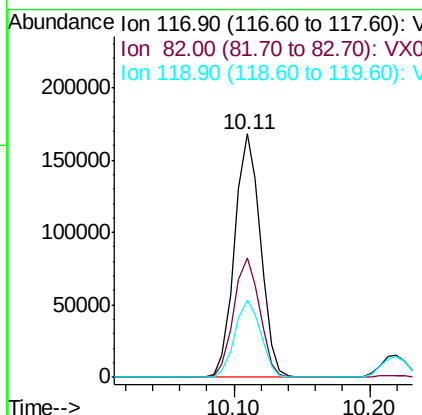
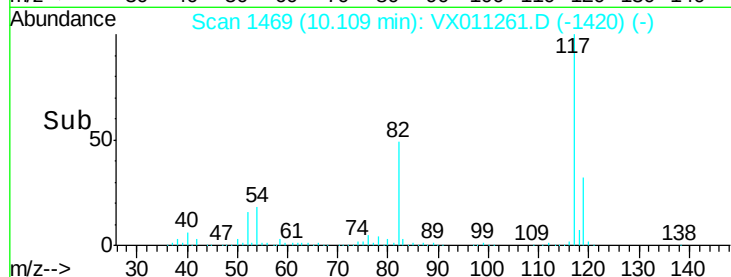
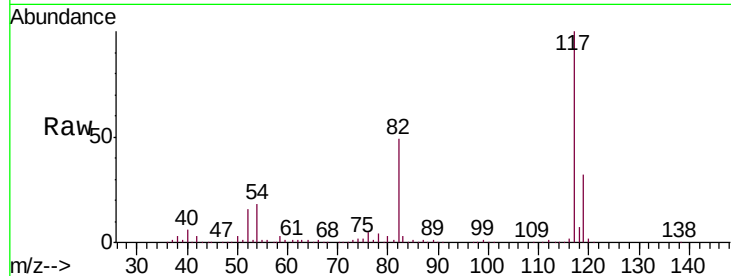
ClientSampled :

VSTDIC020

Tgt Ion:	117	Resp:	222514
Ion Ratio		Lower	Upper
117	100		
82	49.0	42.2	63.2
119	31.8	26.6	39.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.721 ug/l

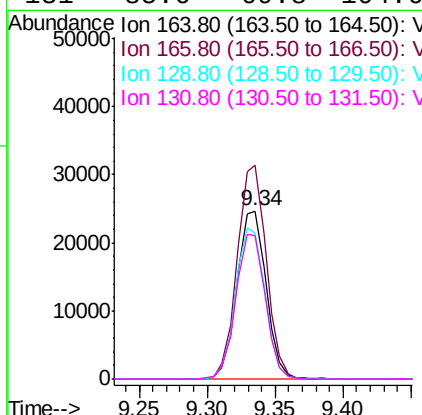
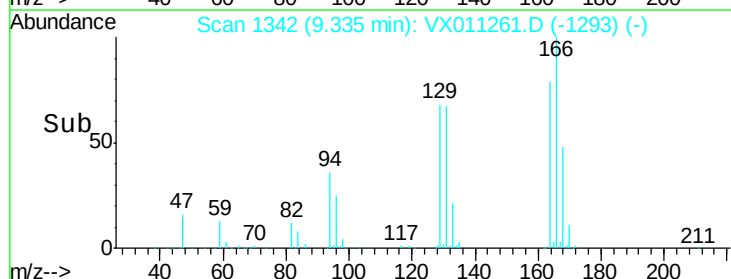
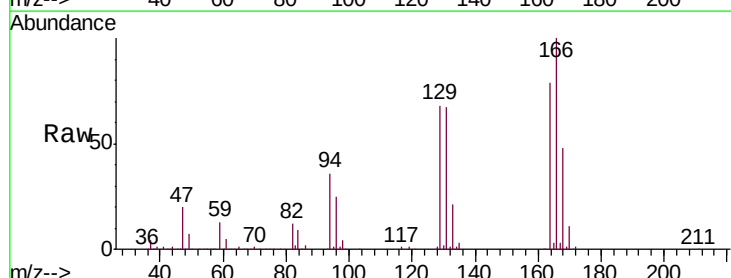
RT: 9.34 min Scan# 1342

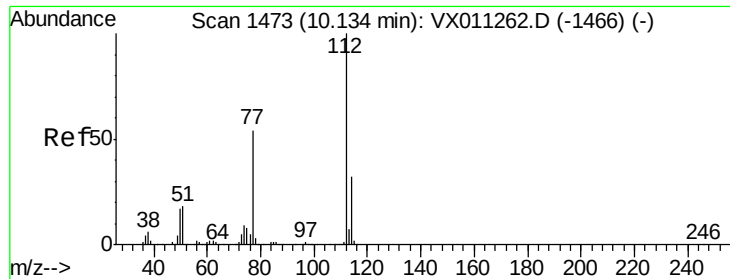
Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion:	164	Resp:	36882
Ion Ratio		Lower	Upper
164	100		
166	127.1	107.5	161.3
129	86.6	71.0	106.4
131	85.6	69.8	104.6





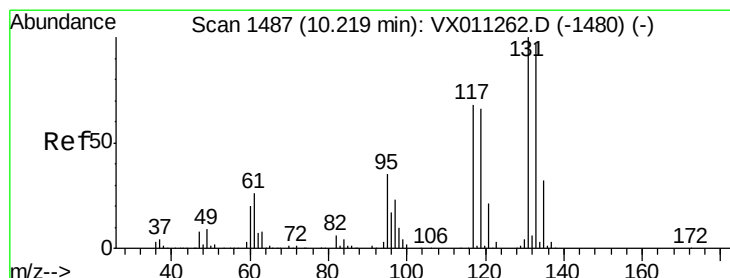
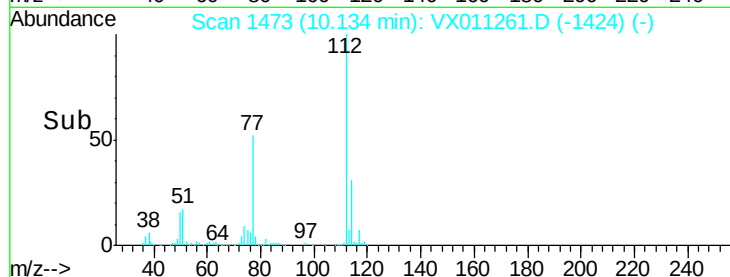
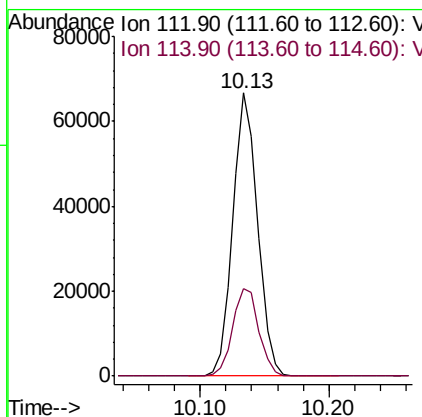
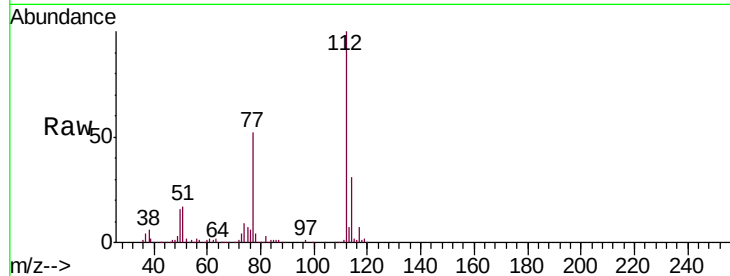
#65
Chlorobenzene
Concen: 19.388 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 89872
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9

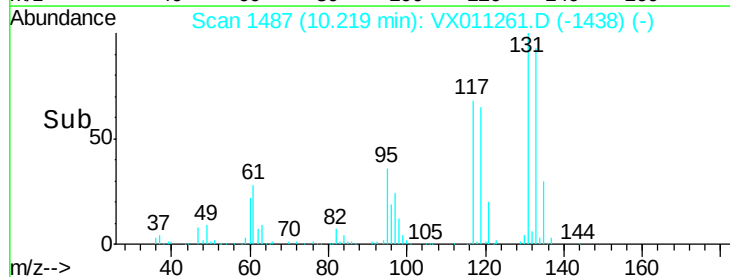
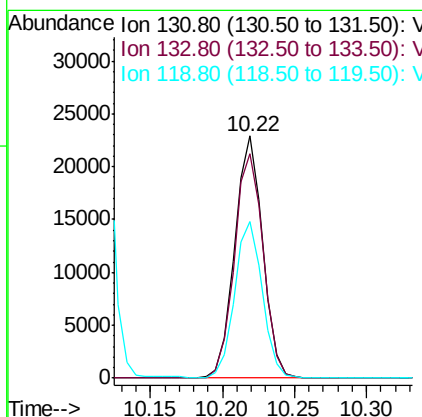
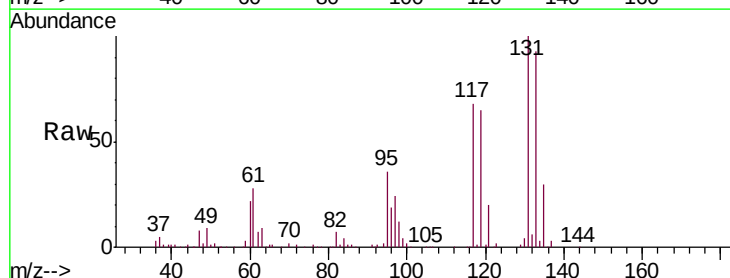
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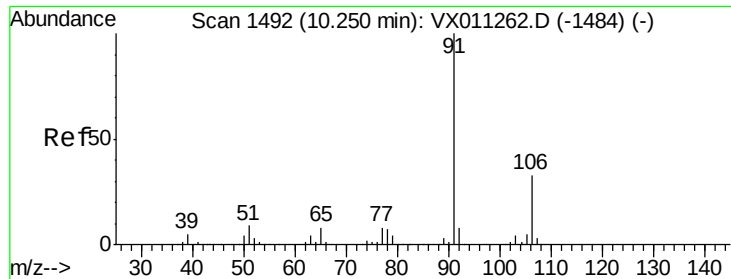
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.136 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion:131 Resp: 31057
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 64.5 32.8 98.3





#67

Ethyl Benzene

Concen: 19.383 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 152404

Ion Ratio Lower Upper

91 100

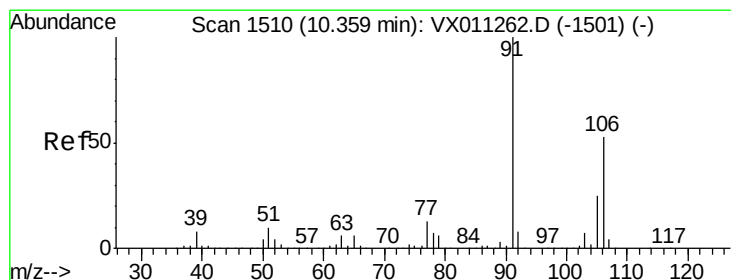
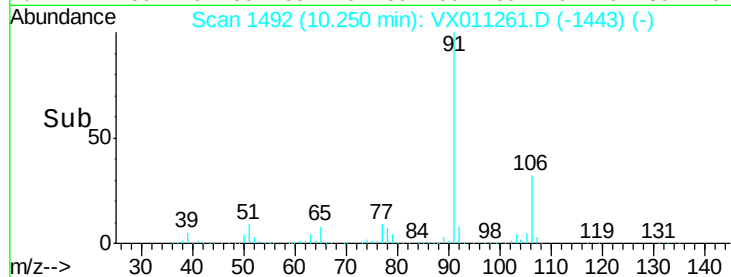
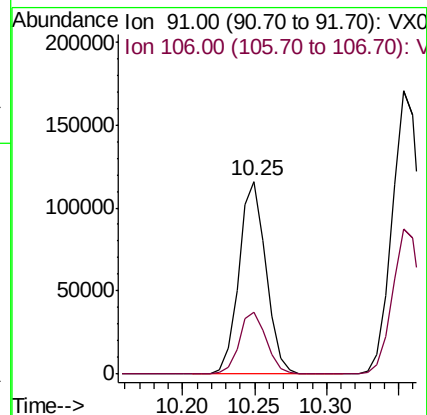
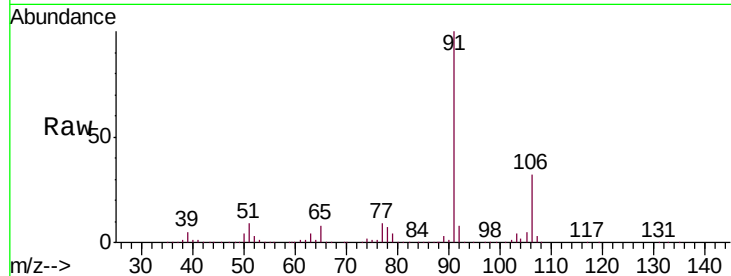
106 32.2 26.2 39.4

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#68

m/p-Xylenes

Concen: 39.788 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011261.D

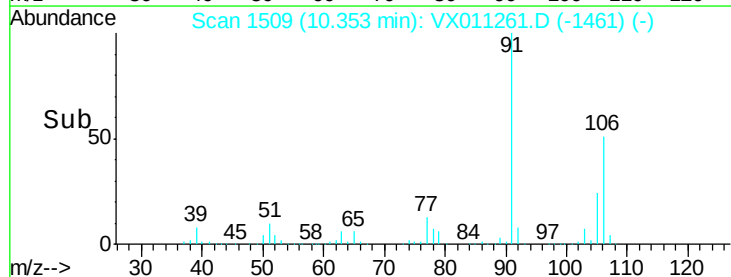
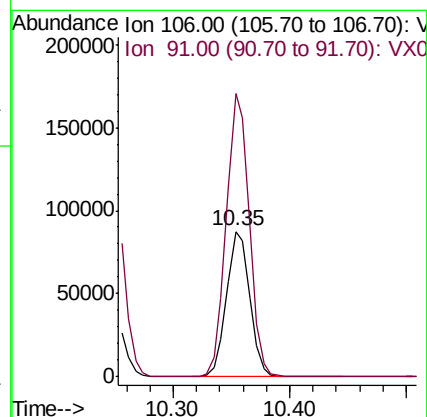
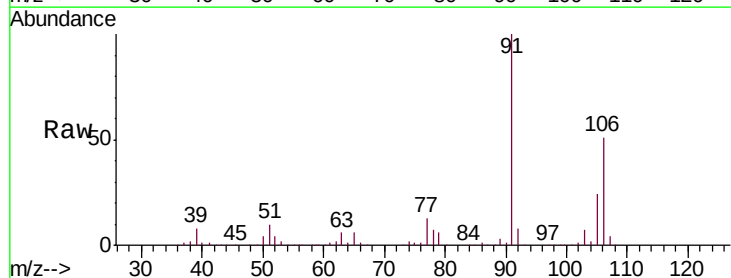
Acq: 01 Aug 2019 15:50

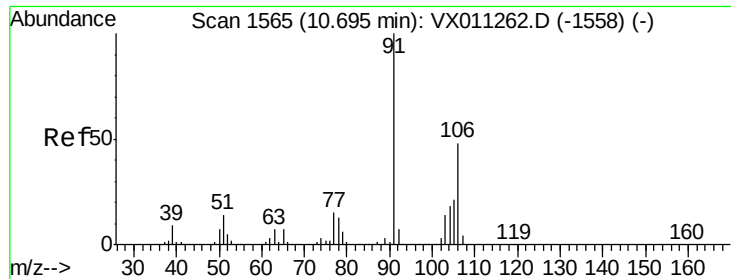
Tgt Ion: 106 Resp: 120622

Ion Ratio Lower Upper

106 100

91 191.9 155.9 233.9





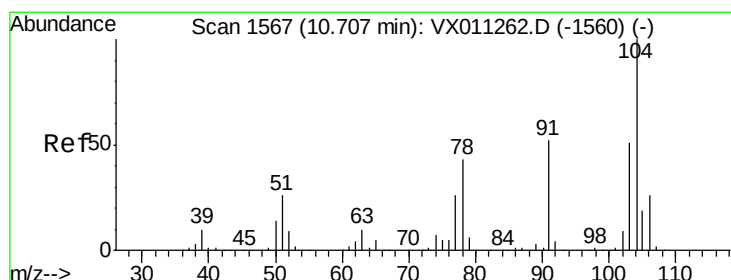
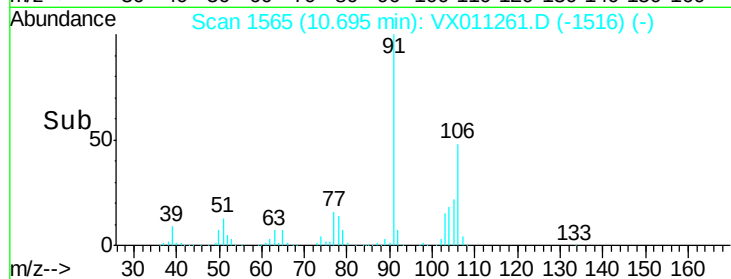
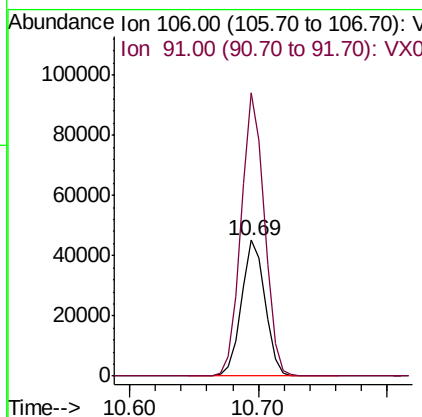
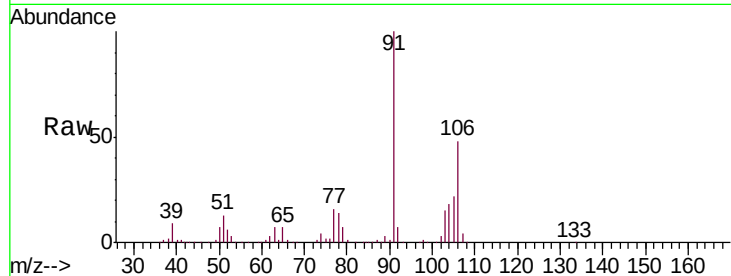
#69
o-Xylene
Concen: 19.412 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion:106 Resp: 57246
Ion Ratio Lower Upper
106 100
91 205.7 103.8 311.3

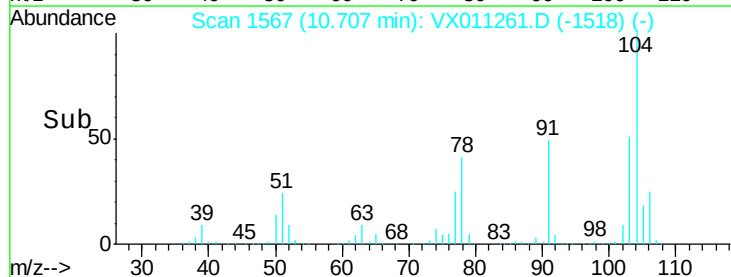
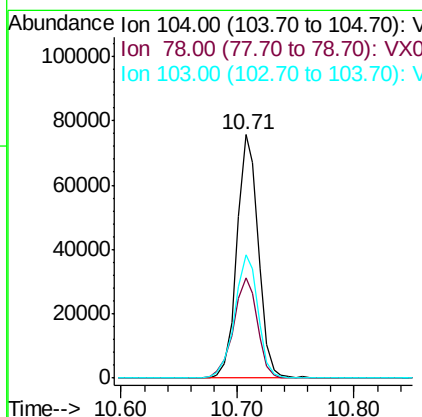
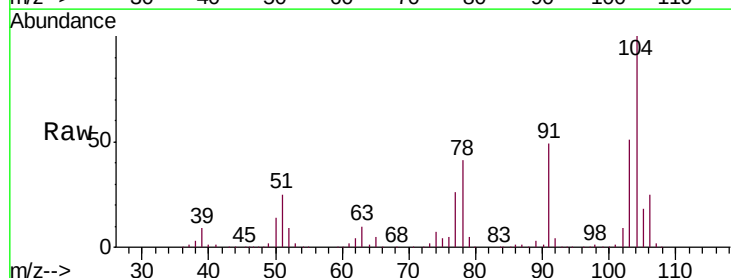
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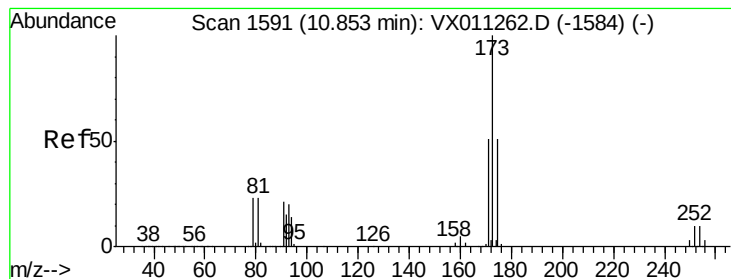
MMDadoda
8/2/2019 9:06:59 AM



#70
Styrene
Concen: 19.757 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion:104 Resp: 97268
Ion Ratio Lower Upper
104 100
78 45.9 36.9 55.3
103 55.1 44.4 66.6





#71

Bromoform

Concen: 17.447 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:173 Resp: 22586

Ion Ratio Lower Upper

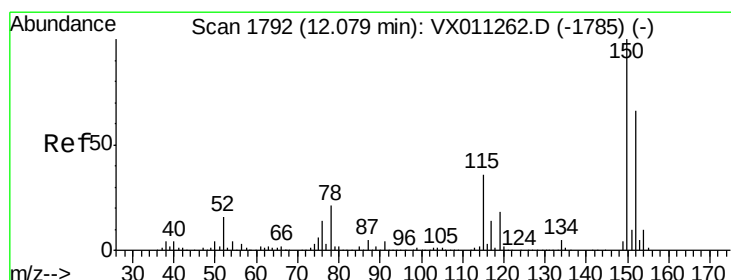
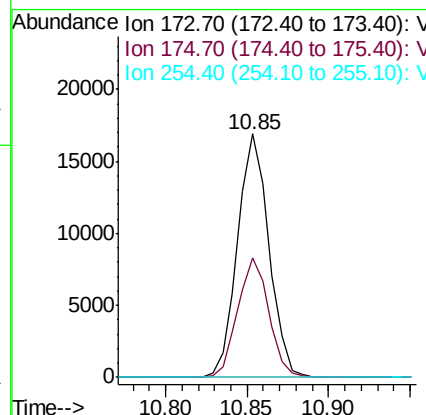
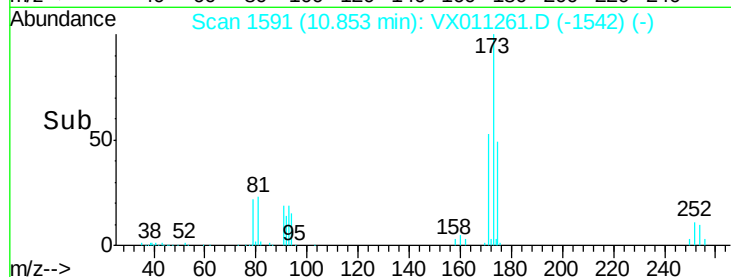
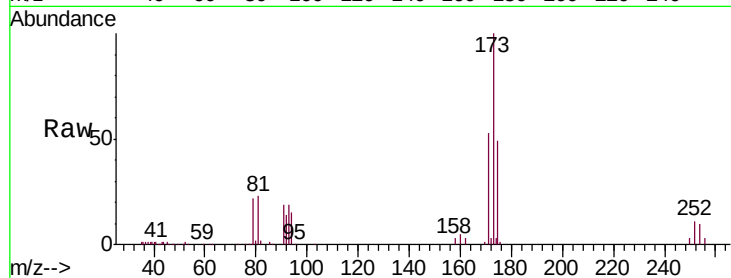
173 100

175 48.8 24.4 73.4

254 0.0 0.2 0.2#

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8/2/2019 9:06:59 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

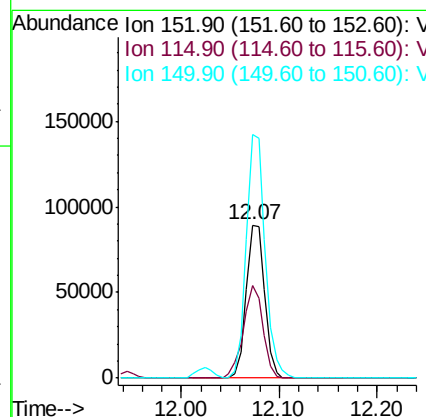
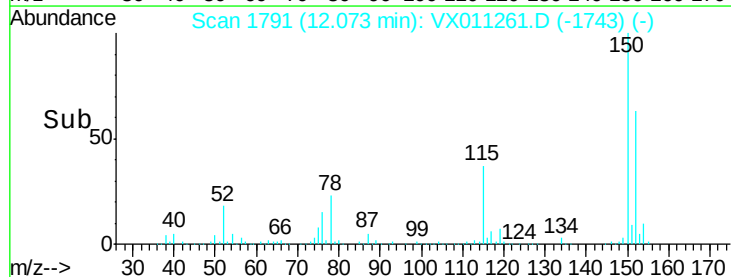
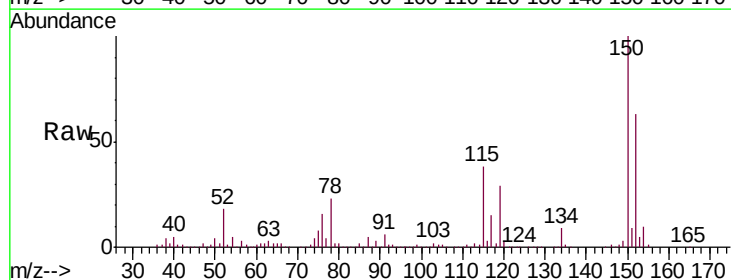
Tgt Ion:152 Resp: 116591

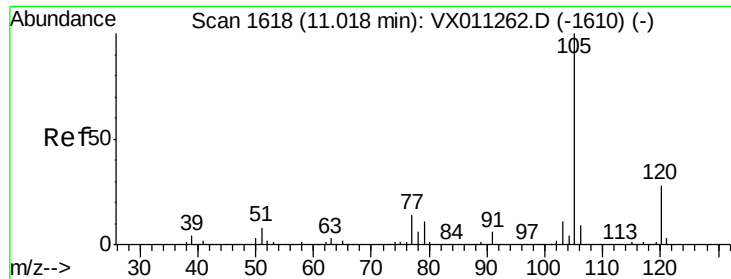
Ion Ratio Lower Upper

152 100

115 64.7 40.0 119.9

150 163.9 0.0 350.4





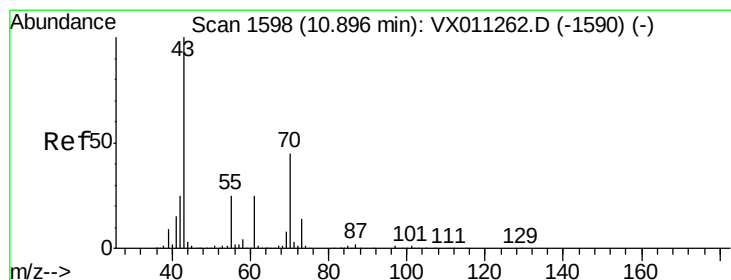
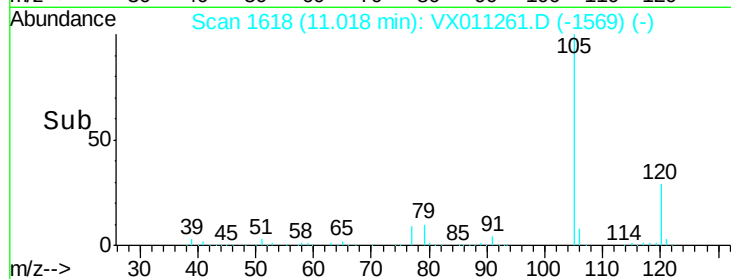
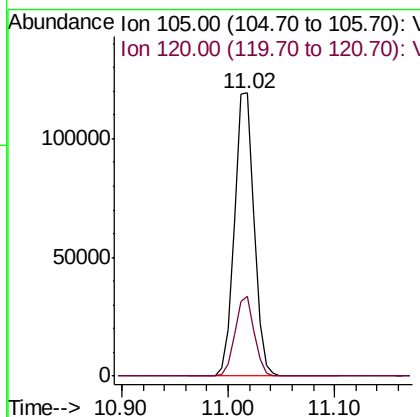
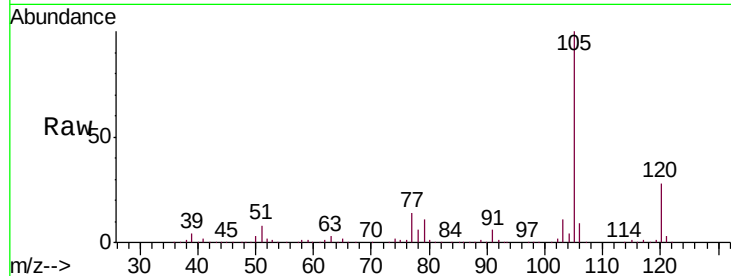
#73
Isopropylbenzene
Concen: 19.486 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion: 105 Resp: 155078
Ion Ratio Lower Upper
105 100
120 27.5 13.7 41.1

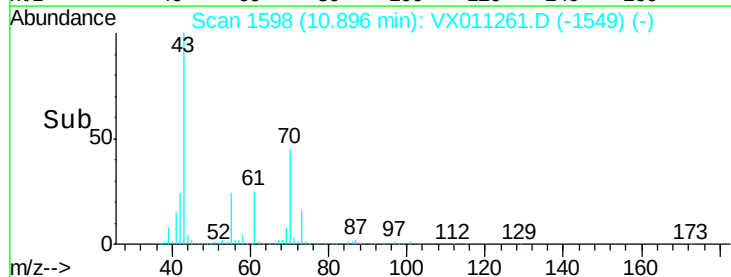
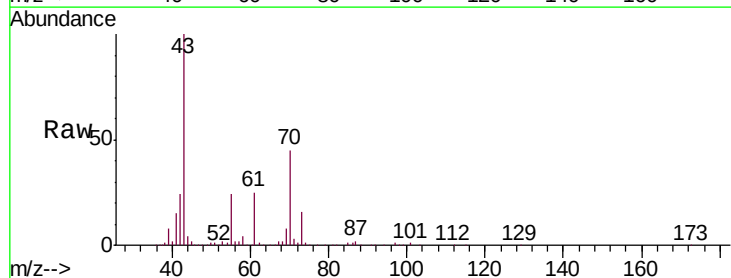
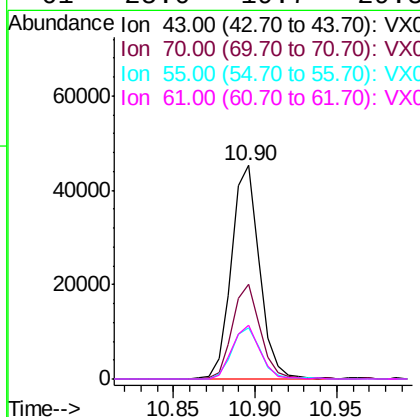
Manual Integrations
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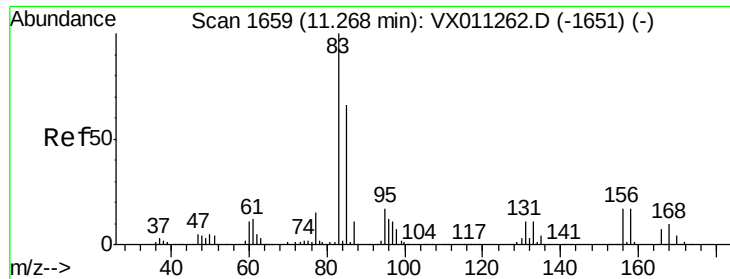
MMDadoda
8/2/2019 9:06:59 AM



#74
N-ethyl acetate
Concen: 17.962 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 43 Resp: 54310
Ion Ratio Lower Upper
43 100
70 44.3 35.9 53.9
55 25.3 19.8 29.6
61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.114 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

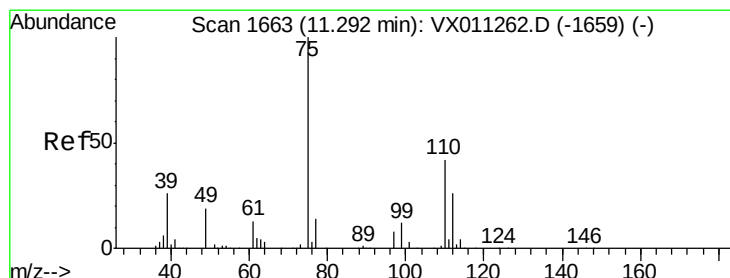
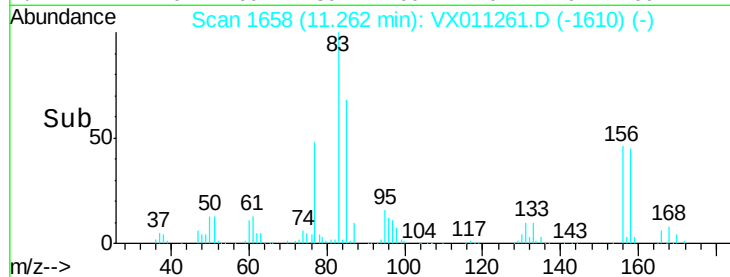
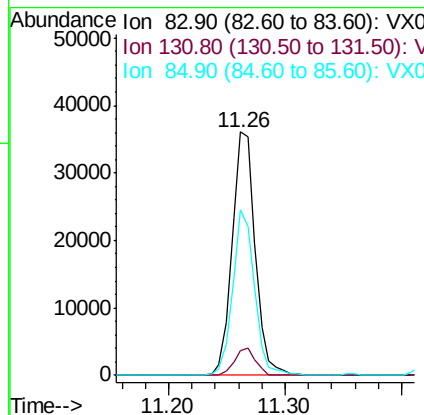
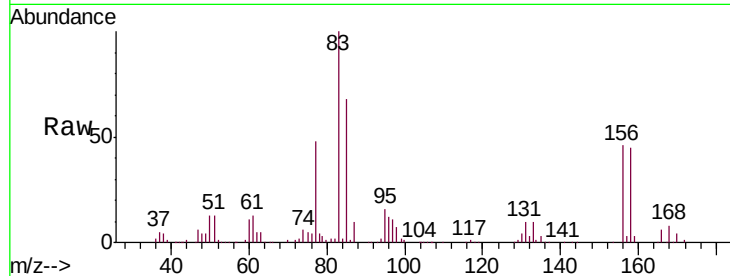
ClientSampled :

VSTDIC020

Tgt Ion:	83	Resp:	49814
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.6	16.8
85	64.2	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.276 ug/l m

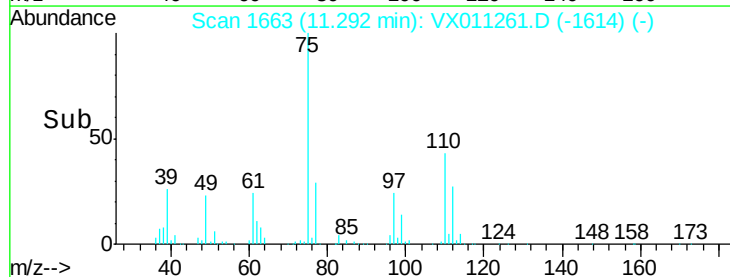
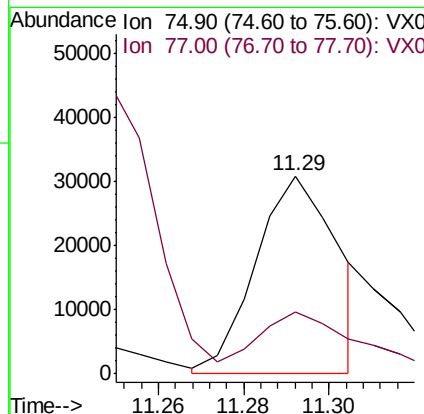
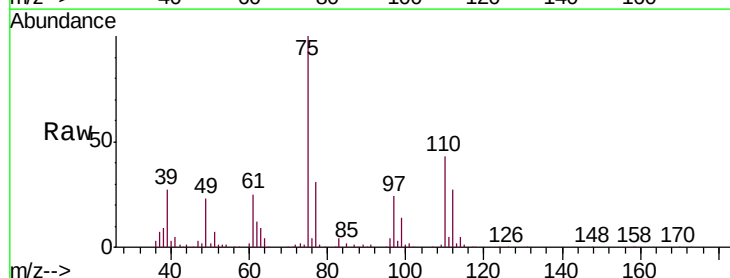
RT: 11.29 min Scan# 1663

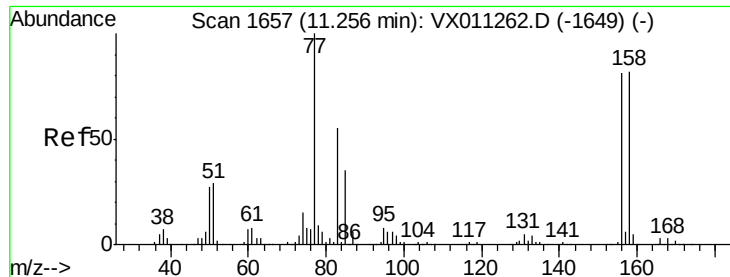
Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion:	75	Resp:	40934
Ion	Ratio	Lower	Upper
75	100		
77	39.1	21.1	63.4





#77

Bromobenzene

Concen: 19.369 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

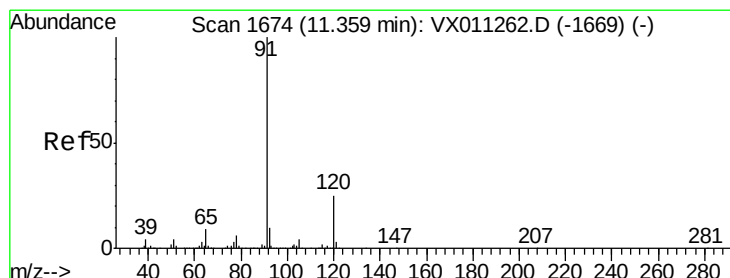
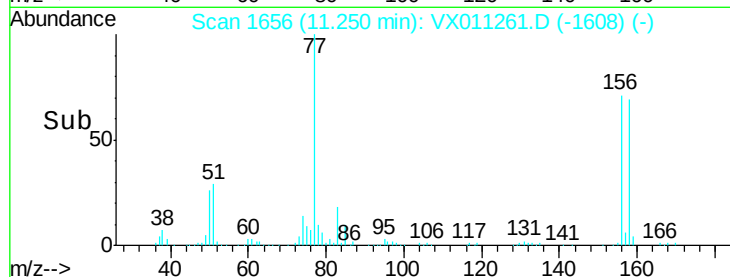
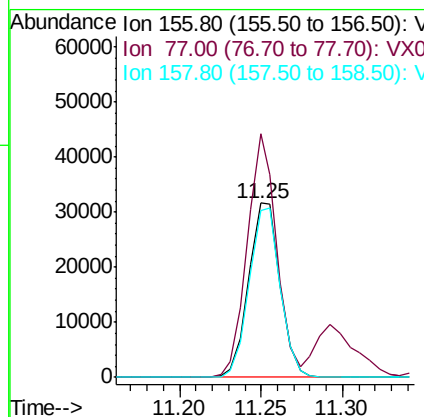
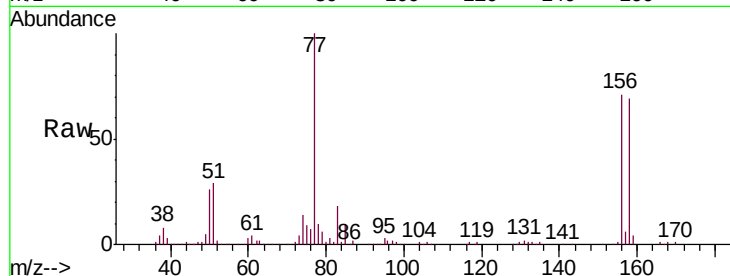
ClientSampleId :

VSTDIC020

Tgt Ion:	156	Resp:	42549
Ion	Ratio	Lower	Upper
156	100		
77	130.8	66.2	198.6
158	96.1	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.633 ug/l

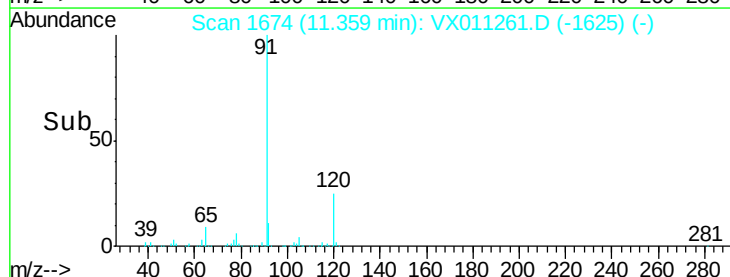
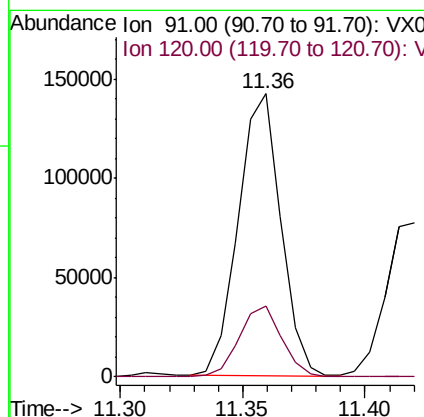
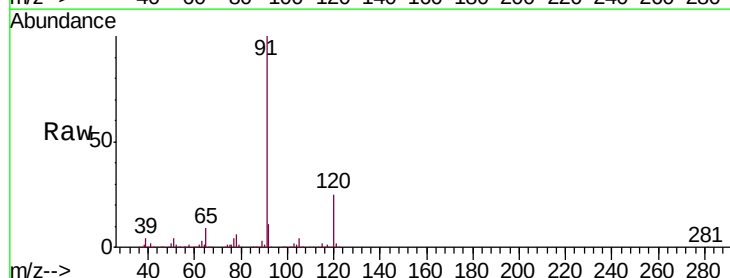
RT: 11.36 min Scan# 1674

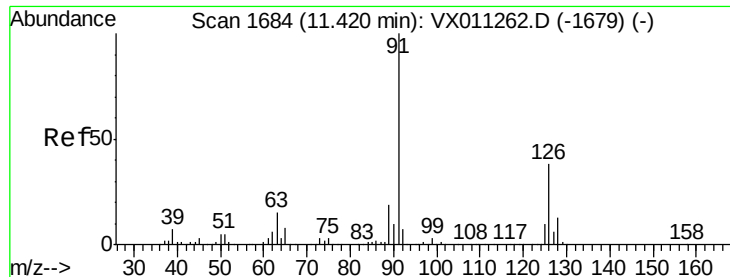
Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion:	91	Resp:	172455
Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.4	37.0





#79

2-Chlorotoluene

Concen: 18.911 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 99541

Ion Ratio Lower Upper

91 100

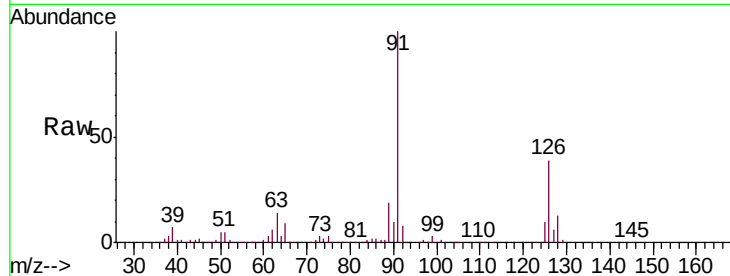
126 38.6 18.5 55.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX011262.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011262.D (-1679) (-)

150000

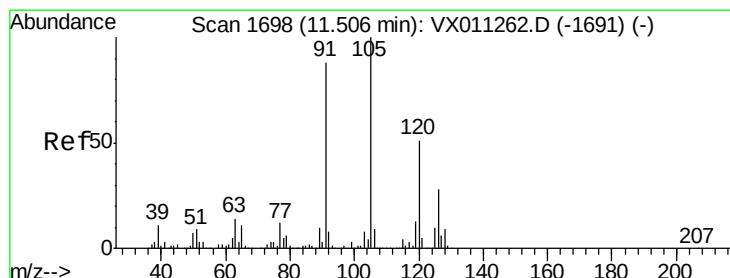
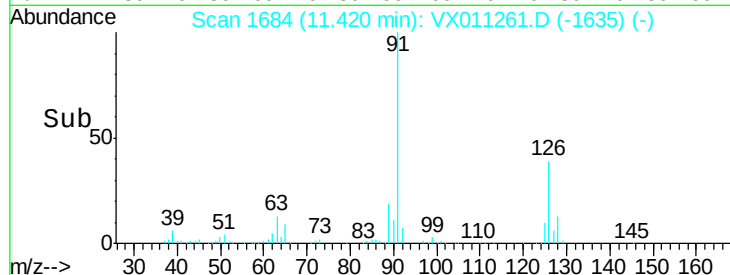
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.365 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011261.D

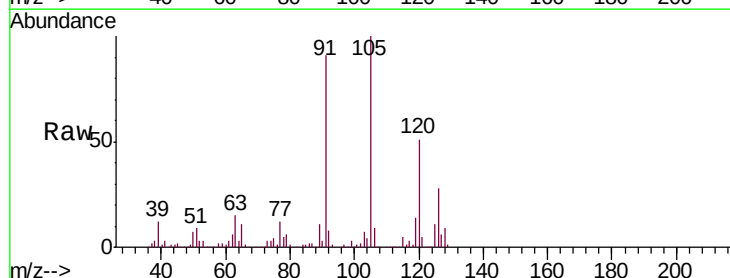
Acq: 01 Aug 2019 15:50

Tgt Ion: 105 Resp: 128230

Ion Ratio Lower Upper

105 100

120 51.1 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VX011262.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX011262.D (-1691) (-)

120000

100000

80000

60000

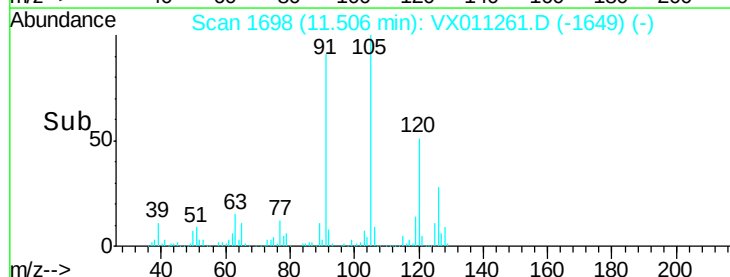
40000

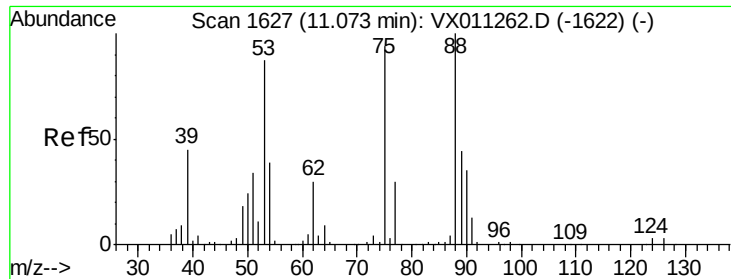
20000

0

11.50 11.60

Time-->





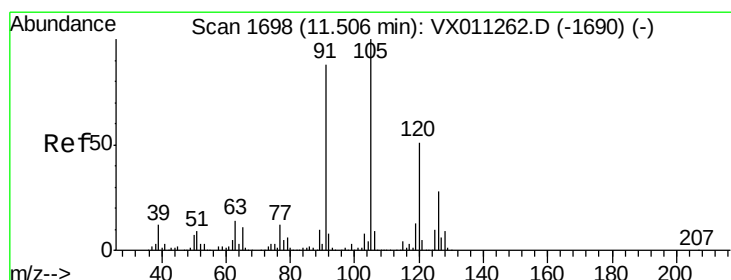
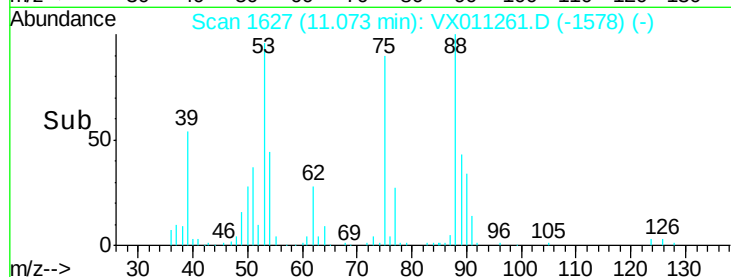
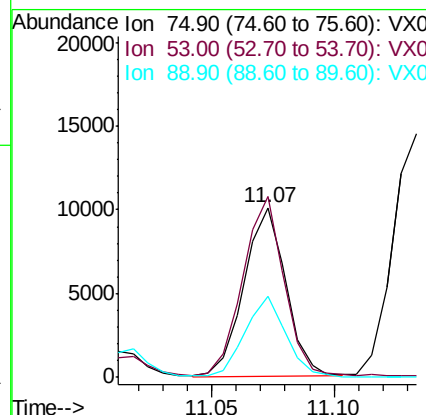
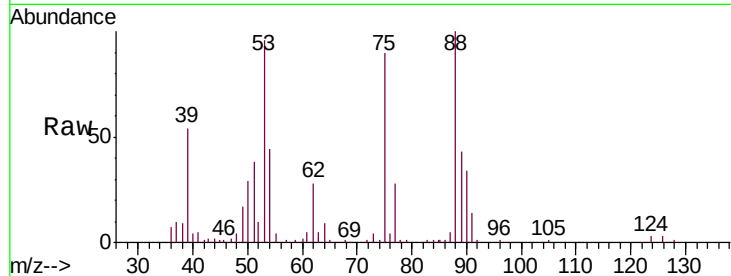
#81
trans-1,4-Dichloro-2-butene
Concen: 15.720 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	105.4	78.2	117.4
89	47.4	37.9	56.9

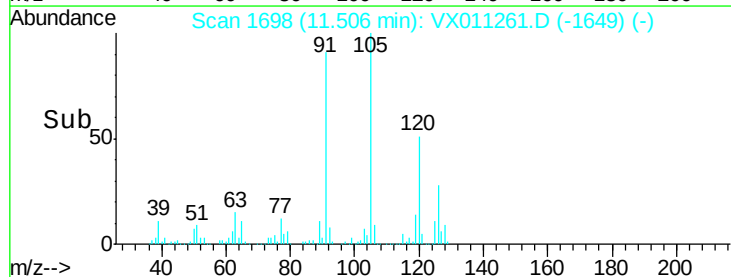
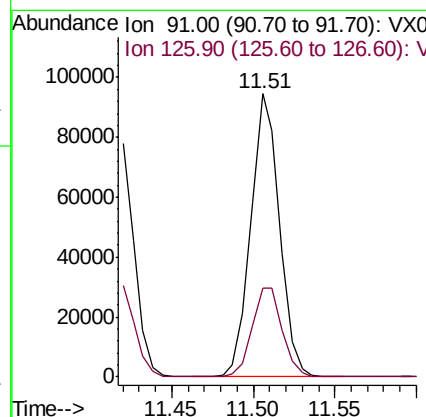
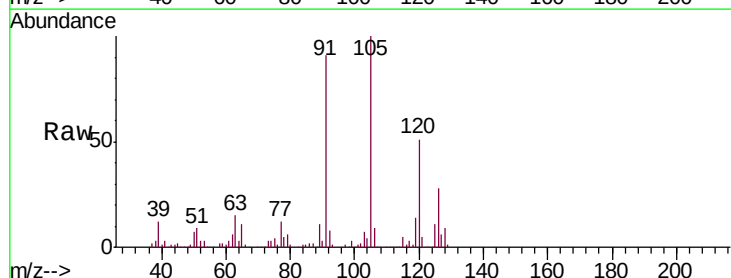
Manual Integrations
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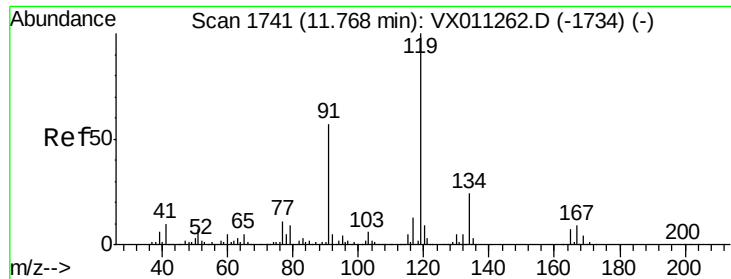
MMDadoda
8/2/2019 9:06:59 AM



#82
4-Chlorotoluene
Concen: 18.842 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.2





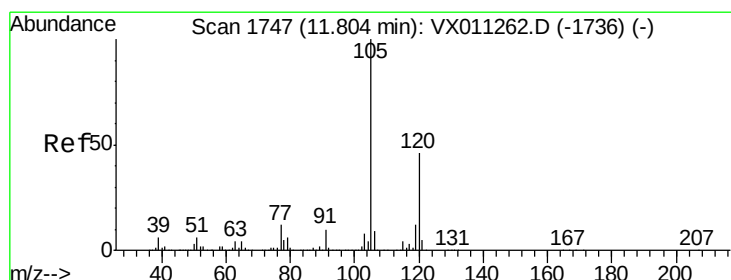
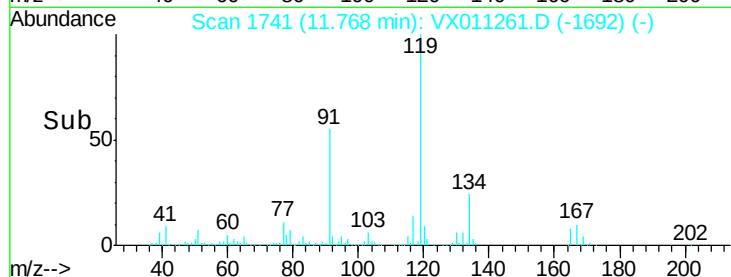
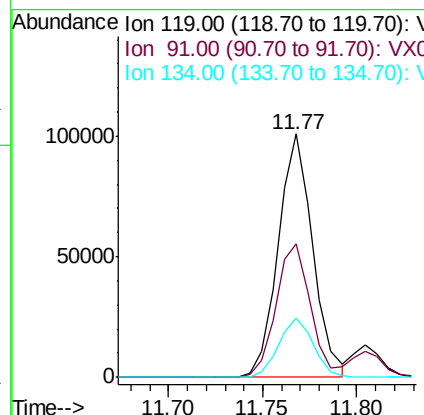
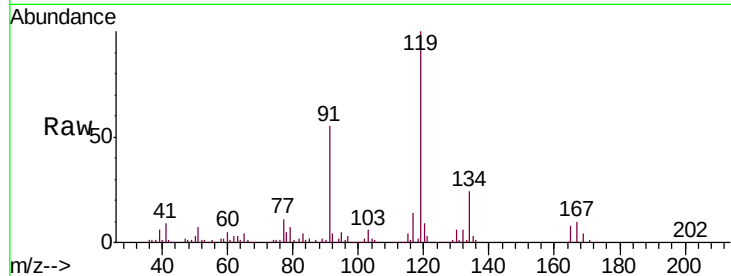
#83
 tert-Butylbenzene
 Concen: 19.561 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	127613		
91	55.6	28.0	84.0	
134	24.2	11.9	35.5	

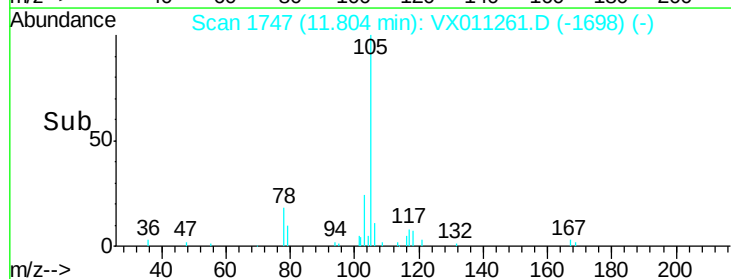
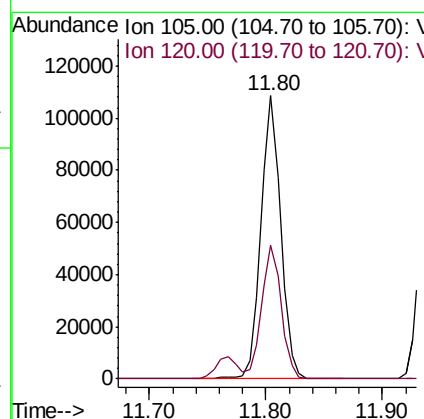
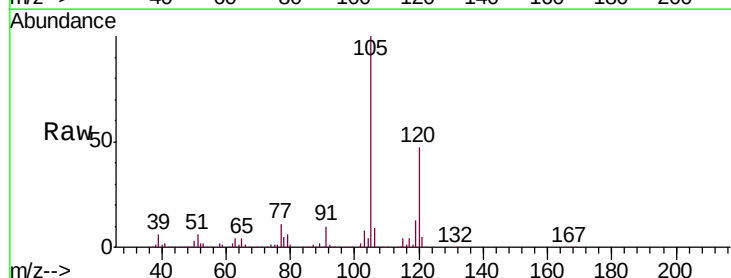
Manual Integrations
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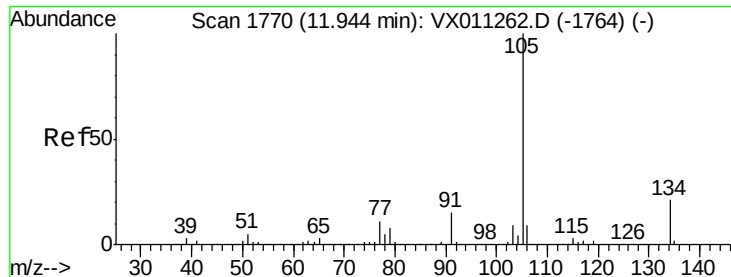
MMDadoda
 8/2/2019 9:06:59 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.401 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	129963		
120	46.9	23.0	69.0	





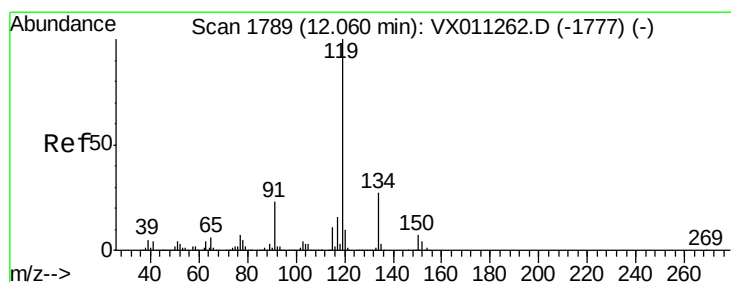
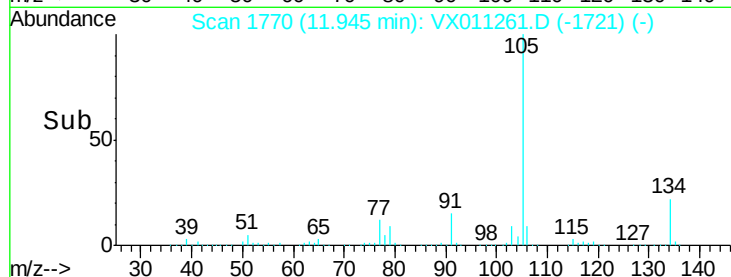
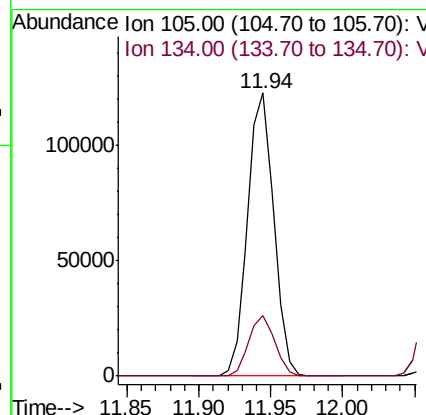
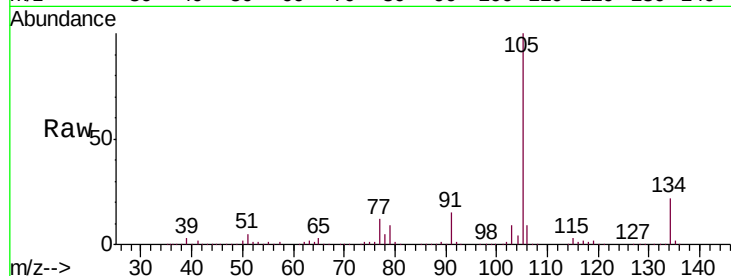
#85
 sec-Butylbenzene
 Concen: 20.165 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.4	31.4

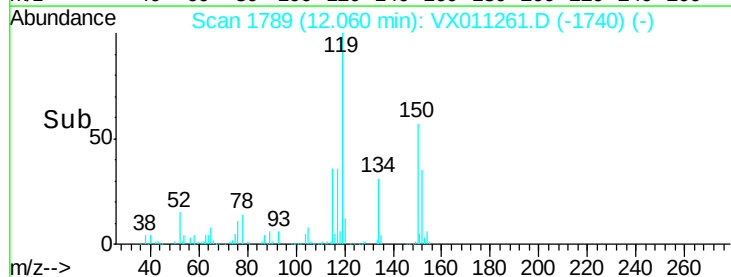
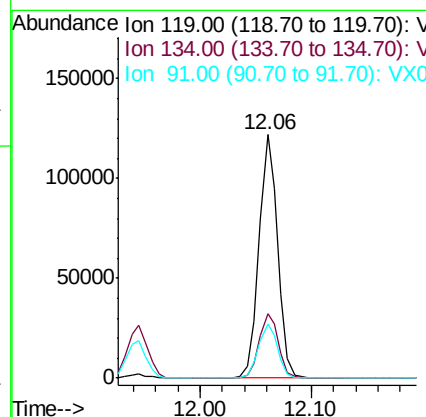
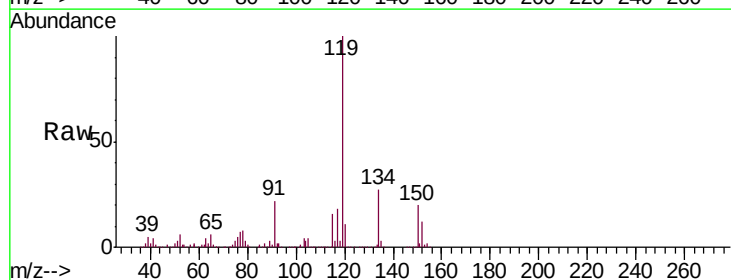
Manual Integrations
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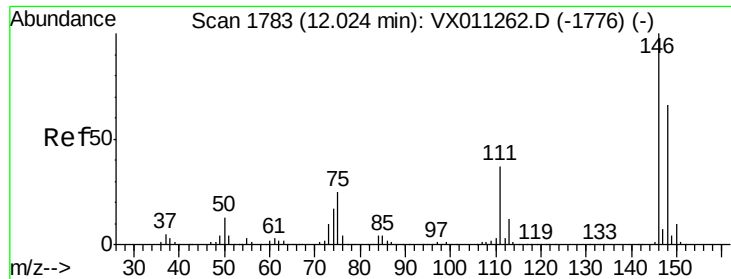
MMDadoda
 8/2/2019 9:06:59 AM



#86
 p-Isopropyltoluene
 Concen: 19.959 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.7	41.0
91	23.2	11.4	34.2





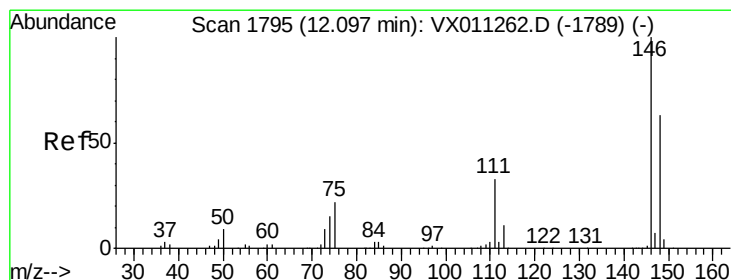
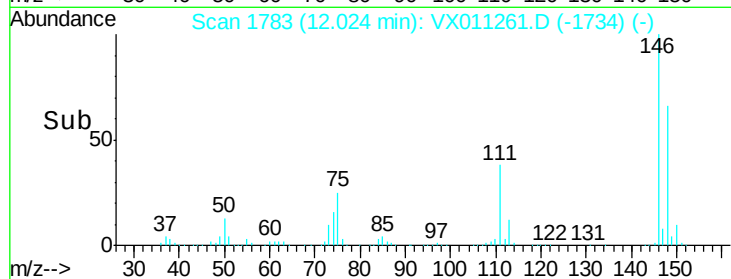
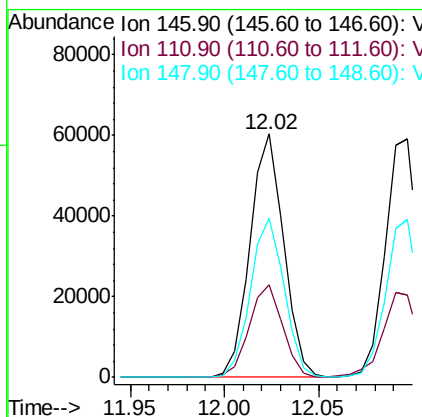
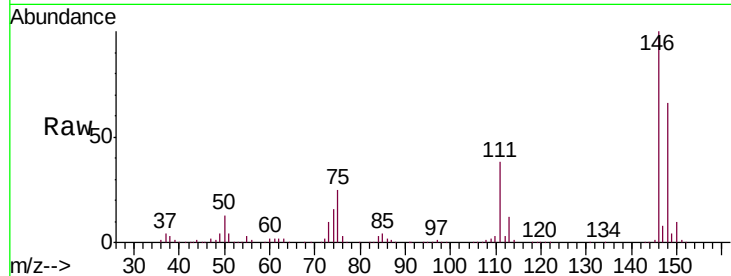
#87
 1,3-Dichlorobenzene
 Concen: 19.599 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	65.6	32.5	97.5

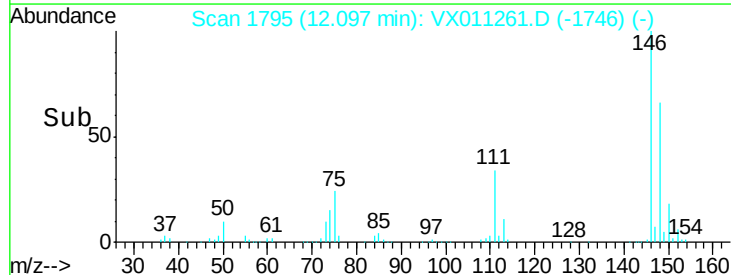
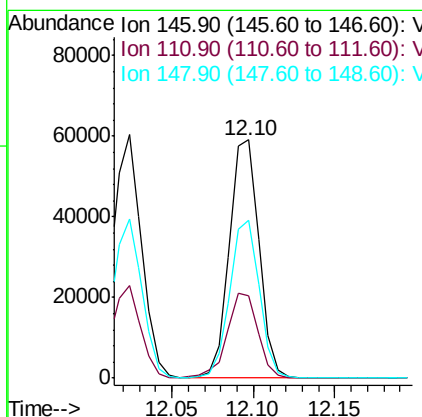
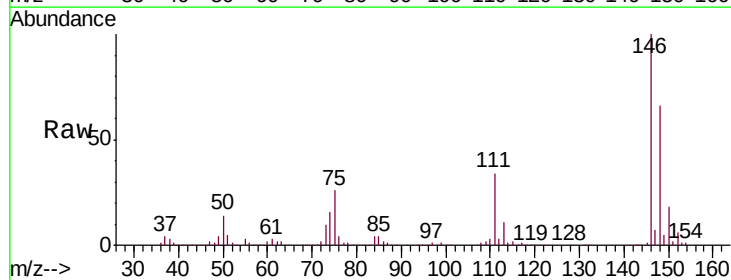
Manual Integrations
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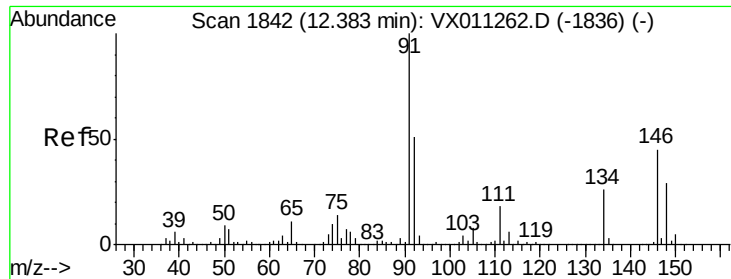
MMDadoda
 8/2/2019 9:06:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.034 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.8	53.4
148	66.2	31.8	95.3





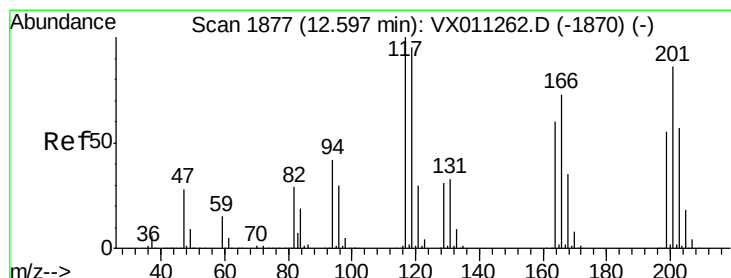
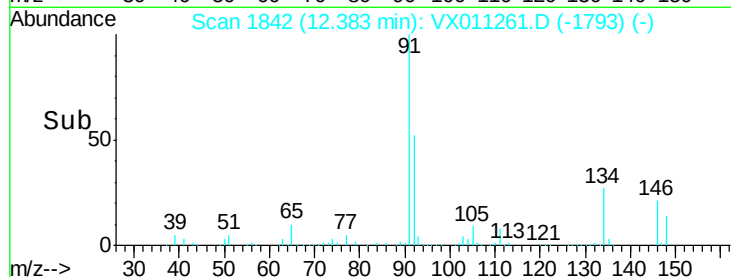
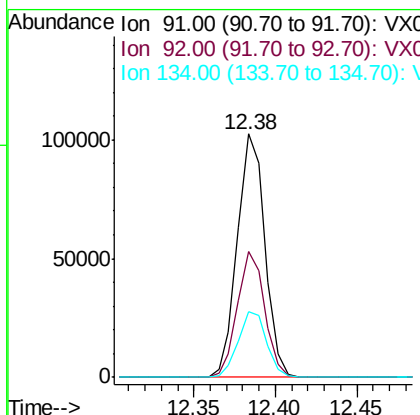
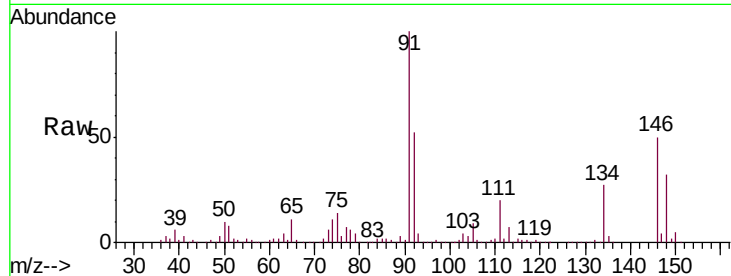
#89
n-Butylbenzene
Concen: 20.005 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.8	77.3
134	28.0	13.7	41.0

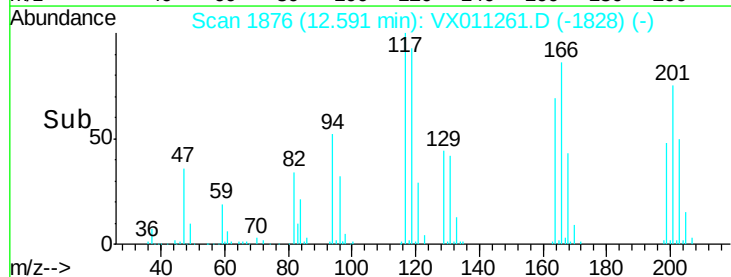
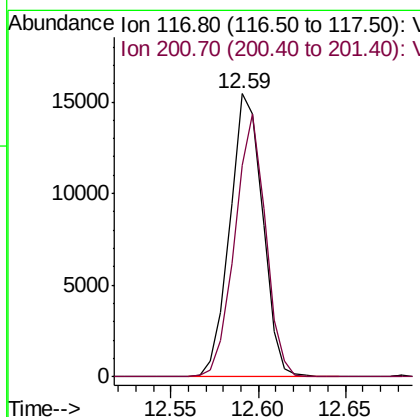
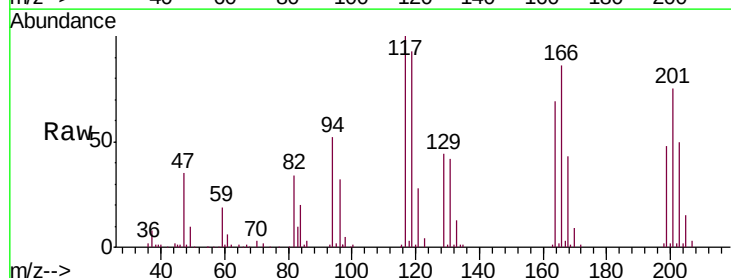
Manual Integrations
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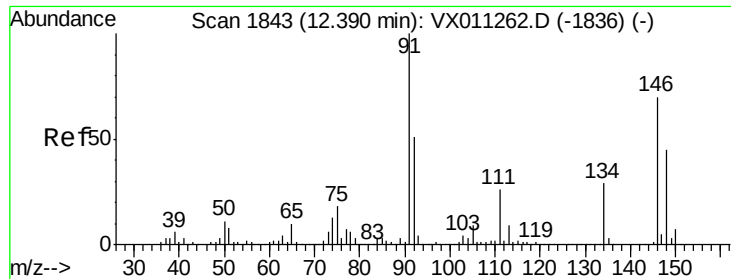
MMDadoda
8/2/2019 9:06:59 AM



#90
Hexachloroethane
Concen: 18.165 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	41.8	125.4





#91

1,2-Dichlorobenzene

Concen: 19.874 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

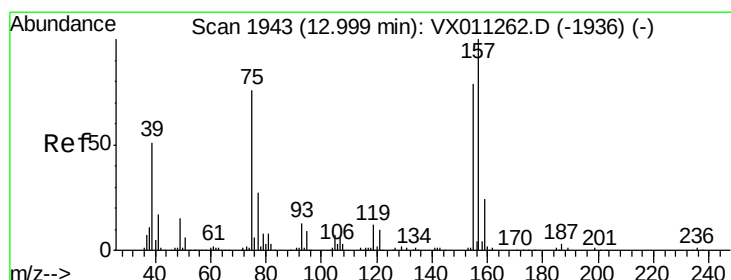
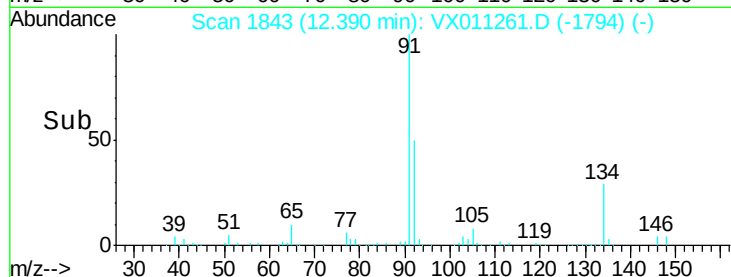
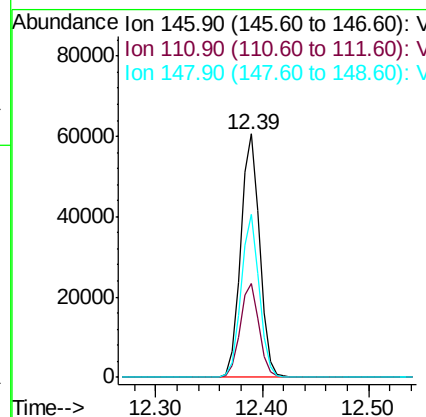
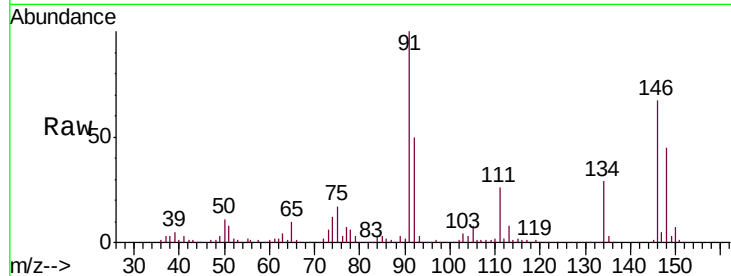
ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	75384
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.1	57.1
148	64.5	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.071 ug/l

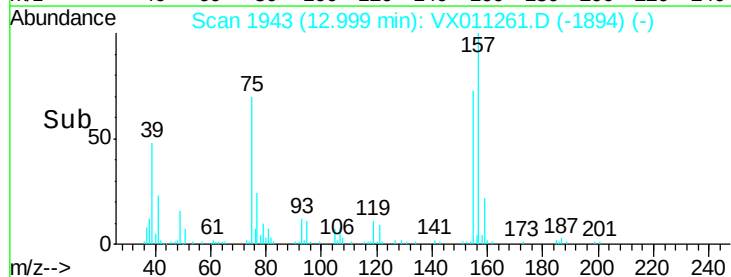
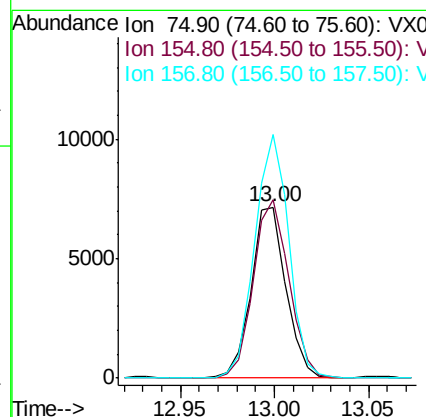
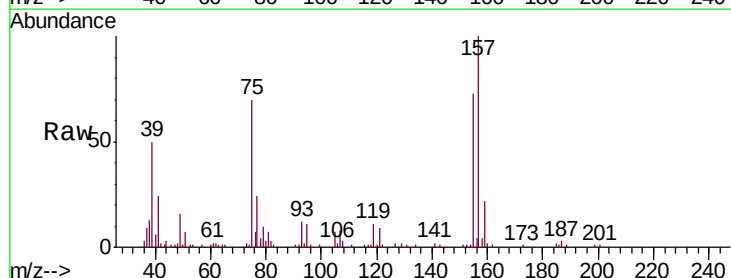
RT: 13.00 min Scan# 1943

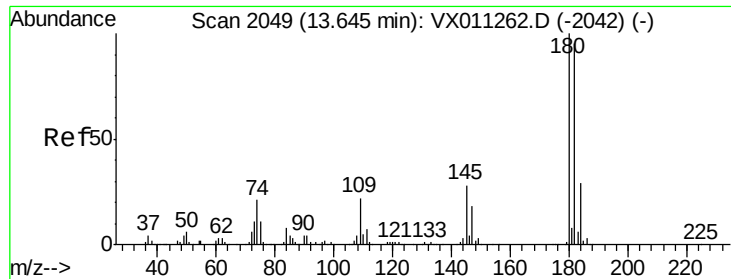
Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion:	75	Resp:	9213
Ion Ratio	Lower	Upper	
75	100		
155	106.1	51.9	155.8
157	138.6	64.3	192.7





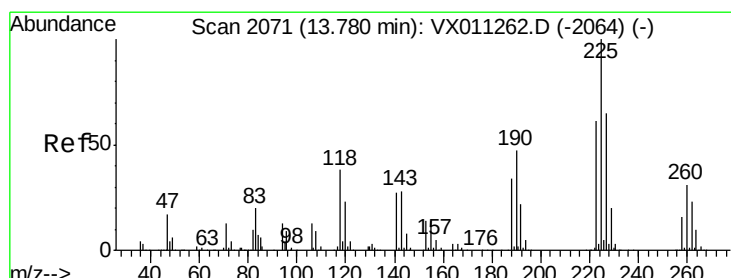
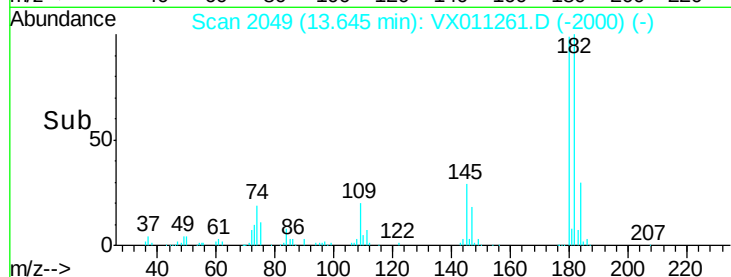
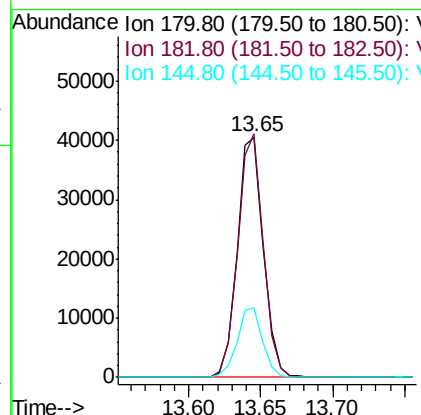
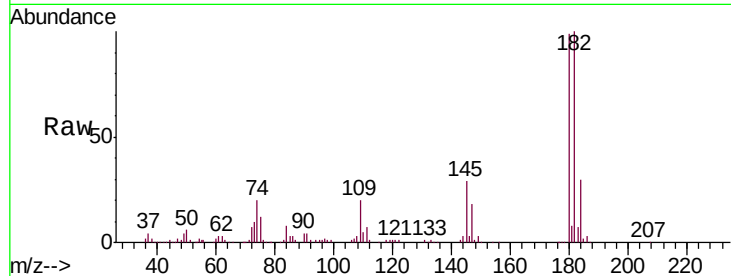
#93
 1,2,4-Trichlorobenzene
 Concen: 20.031 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51340		
182	98.3	47.8	143.4	
145	28.4	14.8	44.3	

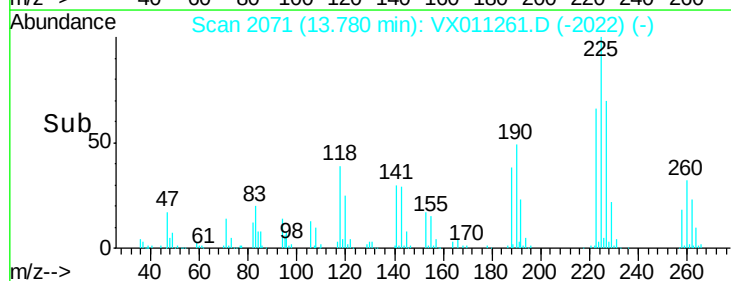
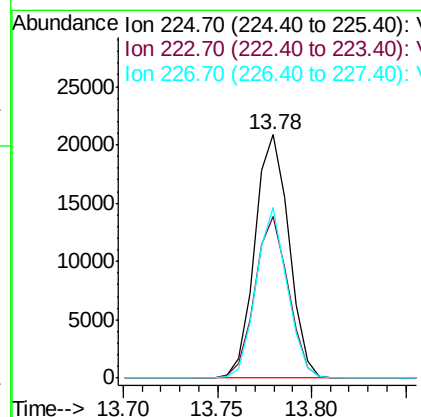
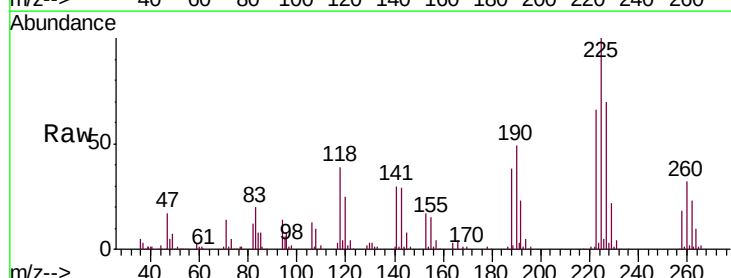
Manual Integrations
 APPROVED

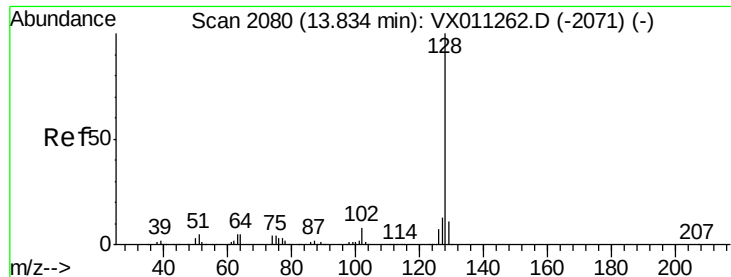
MMDadoda
 8/2/2019 9:06:59 AM



#94
 Hexachlorobutadiene
 Concen: 20.490 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26122		
223	65.2	31.0	93.0	
227	64.3	32.2	96.6	





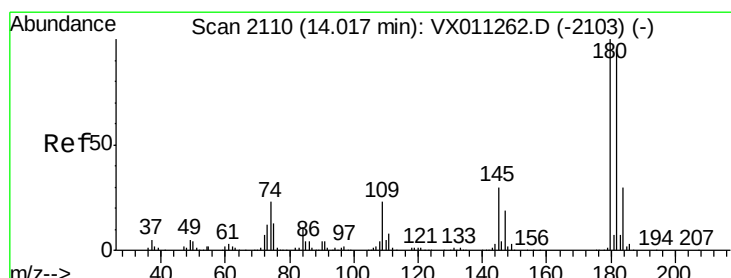
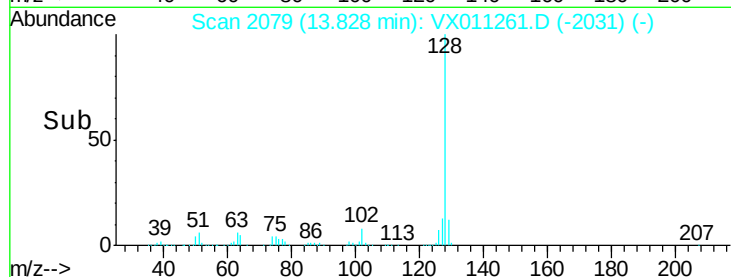
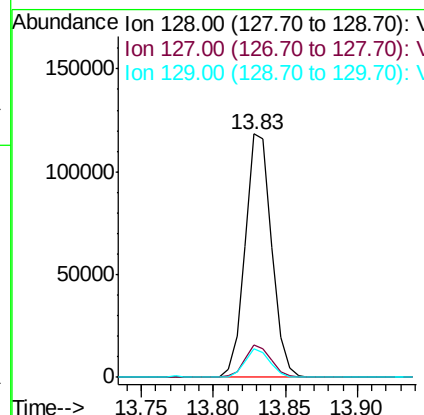
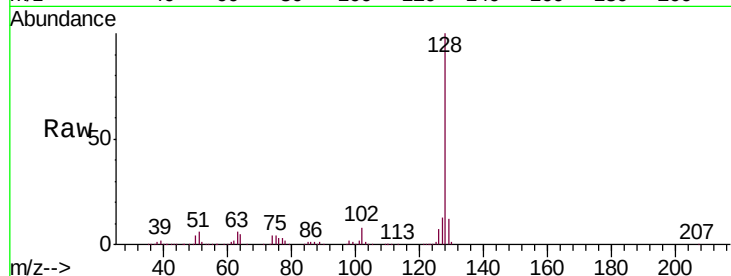
#95
Naphthalene
Concen: 19.885 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	150630		
127	13.2	10.4	15.6	
129	11.2	8.9	13.3	

Manual Integrations
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8/2/2019 9:06:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.970 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51033		
182	97.2	47.4	142.3	
145	32.2	15.2	45.6	

