

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091619\
 Data File : VX012407.D
 Acq On : 16 Sep 2019 14:21
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 5:04:21 PM

Quant Time: Sep 17 04:35:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:04:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	118542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	187215	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	184356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	356989	246.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	492.82%	
35) Dibromofluoromethane	5.49	113	266551	199.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	399.94%	
50) Toluene-d8	8.71	98	985561	211.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	422.64%	
62) 4-Bromofluorobenzene	11.14	95	423816	226.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	452.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	172811	157.129	ug/l	99
3) Chloromethane	1.31	50	149876	154.005	ug/l	100
4) Vinyl Chloride	1.40	62	160511	162.819	ug/l	99
5) Bromomethane	1.62	94	59134	115.148	ug/l	98
6) Chloroethane	1.69	64	72440	124.668	ug/l	100
7) Trichlorofluoromethane	1.91	101	284867	176.067	ug/l	99
8) Diethyl Ether	2.18	74	119330	207.237	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	203126	197.765	ug/l	100
10) Methyl Iodide	2.49	142	210045	177.473	ug/l	99
11) Tert butyl alcohol	3.06	59	441847	1421.514	ug/l	99
12) 1,1-Dichloroethene	2.35	96	165289	170.559	ug/l	94
13) Acrolein	2.28	56	191172	1511.724	ug/l	100
14) Allyl chloride	2.71	41	376809	231.999	ug/l	100
15) Acrylonitrile	3.14	53	788779	1270.121	ug/l	99
16) Acetone	2.44	43	753056	1241.660	ug/l	99
17) Carbon Disulfide	2.55	76	238711	107.835	ug/l	98
18) Methyl Acetate	2.76	43	367812	233.686	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	855629	247.049	ug/l	99
20) Methylene Chloride	2.84	84	217980	193.033	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	173369	168.038	ug/l	93
22) Diisopropyl ether	3.85	45	839565	253.577	ug/l	91
23) Vinyl Acetate	3.81	43	3624964	1315.443	ug/l	99
24) 1,1-Dichloroethane	3.68	63	421197	226.711	ug/l	99
25) 2-Butanone	4.67	43	1183047	1334.346	ug/l	100
26) 2,2-Dichloropropane	4.57	77	388550	237.976	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	250408	200.765	ug/l	100
28) Bromochloromethane	5.01	49	199156	231.667	ug/l	100
29) Tetrahydrofuran	5.12	42	704894	1278.480	ug/l	99
30) Chloroform	5.20	83	460954	225.498	ug/l	99
31) Cyclohexane	5.56	56	259975	172.021	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	406680	230.667	ug/l	100
36) 1,1-Dichloropropene	5.79	75	265309	174.518	ug/l	99
37) Ethyl Acetate	4.83	43	420282	239.893	ug/l	99
38) Carbon Tetrachloride	5.77	117	340846	192.608	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	272772	151.143	ug/l	98
40) Benzene	6.14	78	843887	177.264	ug/l	98
41) Methacrylonitrile	5.04	41	248652	240.024	ug/l	99
42) 1,2-Dichloroethane	6.18	62	372286	205.438	ug/l	99
43) Isopropyl Acetate	6.43	43	724068	251.128	ug/l	100
44) Trichloroethene	7.21	130	228184	160.092	ug/l	97
45) 1,2-Dichloropropane	7.51	63	251233	204.212	ug/l	97
46) Dibromomethane	7.65	93	169367	189.856	ug/l	99
47) Bromodichloromethane	7.89	83	390885	231.673	ug/l	99
48) Methyl methacrylate	7.76	41	352051	249.512	ug/l	99
49) 1,4-Dioxane	7.74	88	164437	4293.753	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2365381	1243.925	ug/l	99
52) Toluene	8.78	92	553504	180.139	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	422823	239.798	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	425176	224.047	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	277882	209.249	ug/l	96
56) Ethyl methacrylate	9.17	69	466268	243.532	ug/l	100
57) 1,3-Dichloropropane	9.37	76	446735	205.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1198053	1179.949	ug/l	100
59) 2-Hexanone	9.49	43	1823003	1253.677	ug/l	100
60) Dibromochloromethane	9.58	129	327313	227.136	ug/l	100
61) 1,2-Dibromoethane	9.67	107	272856	196.879	ug/l	99
64) Tetrachloroethene	9.33	164	179902	126.138	ug/l	95
65) Chlorobenzene	10.14	112	667667	176.984	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	293586	203.225	ug/l	99
67) Ethyl Benzene	10.25	91	1163903	185.229	ug/l	98
68) m/p-Xylenes	10.35	106	859665	359.241	ug/l	98
69) o-Xylene	10.70	106	444360	186.727	ug/l	100
70) Styrene	10.71	104	818138	202.979	ug/l	99
71) Bromoform	10.85	173	249525	204.640	ug/l	100
73) Isopropylbenzene	11.01	105	1240938	171.908	ug/l	100
74) N-amyl acetate	10.89	43	673097	224.111	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	484236	194.099	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	444270m	199.213	ug/l	
77) Bromobenzene	11.25	156	315967	151.865	ug/l	99
78) n-propylbenzene	11.35	91	1424634	183.392	ug/l	99
79) 2-Chlorotoluene	11.42	91	890024	182.664	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1079720	178.268	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	175353	234.987	ug/l	94
82) 4-Chlorotoluene	11.51	91	1047469	185.665	ug/l	99
83) tert-Butylbenzene	11.77	119	1136553	187.971	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1106171	180.419	ug/l	99
85) sec-Butylbenzene	11.94	105	1285917	185.782	ug/l	100
86) p-Isopropyltoluene	12.06	119	1195915	181.796	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	600455	166.533	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	606880	165.495	ug/l	100
89) n-Butylbenzene	12.39	91	1086684	196.668	ug/l	100
90) Hexachloroethane	12.59	117	242179	226.661	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	594570	161.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	132466	221.744	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	429133	162.334	ug/l	99
94) Hexachlorobutadiene	13.78	225	195494	136.274	ug/l	98
95) Naphthalene	13.83	128	1486322	193.261	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	425518	159.530	ug/l	98

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

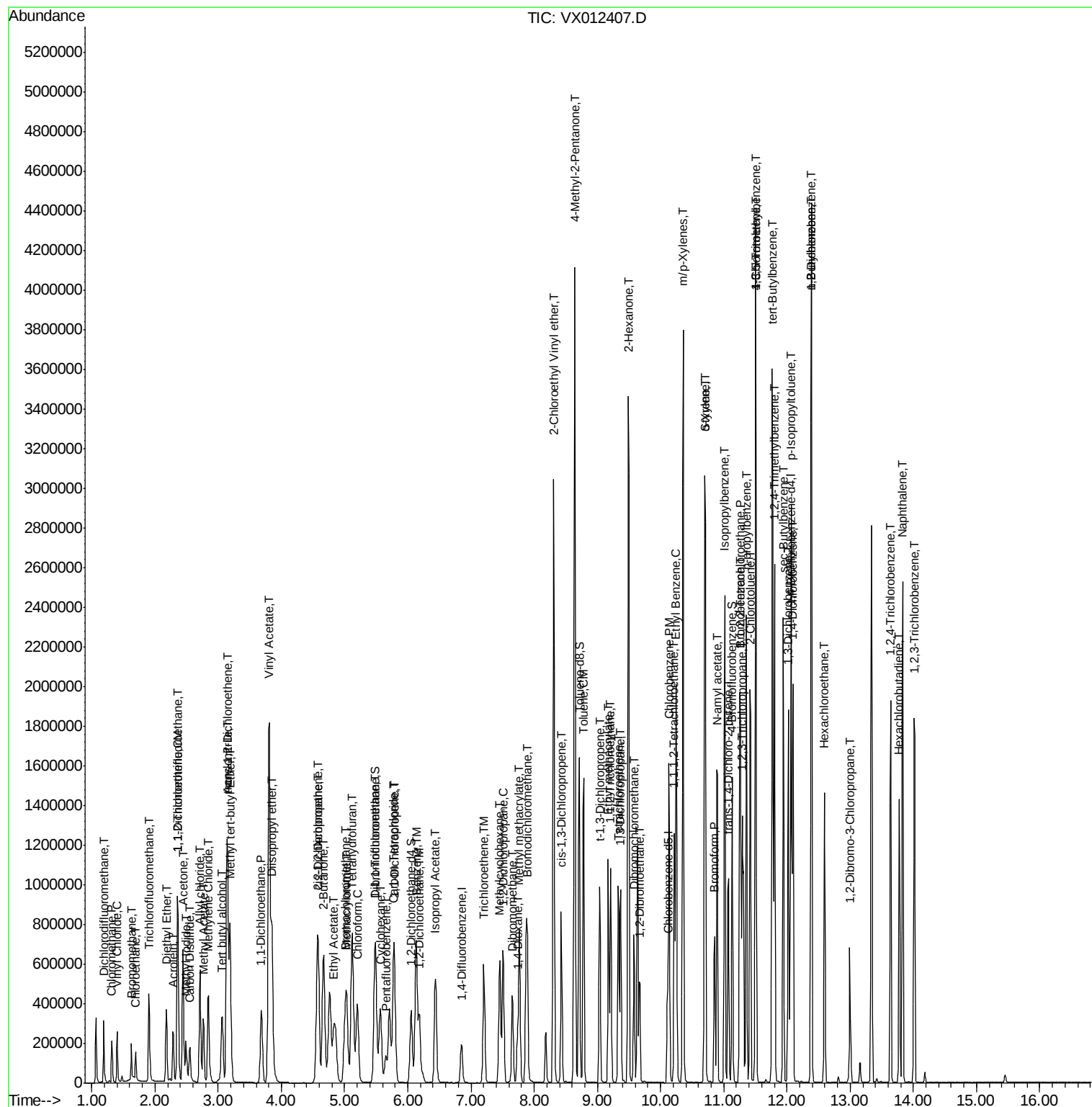
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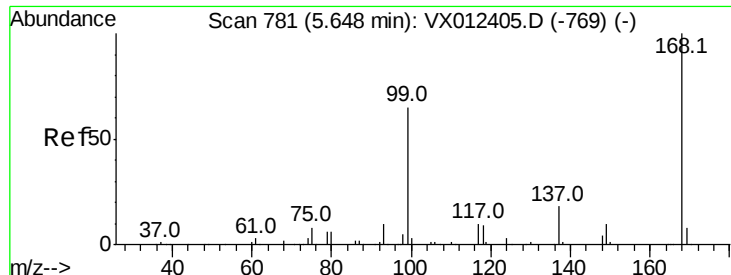
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 118542

Ion Ratio Lower Upper

168 100

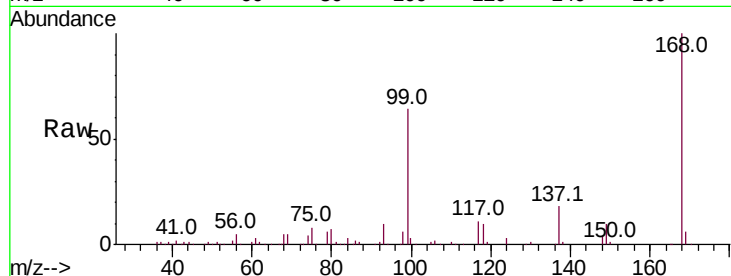
99 63.5 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

0

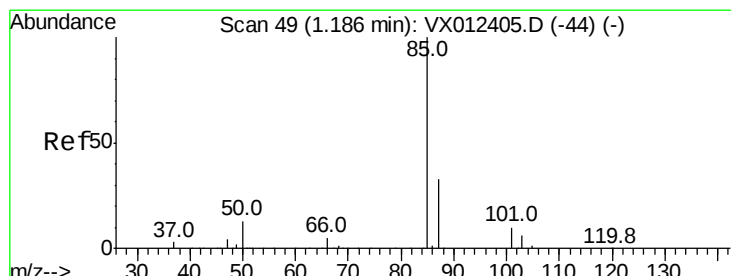
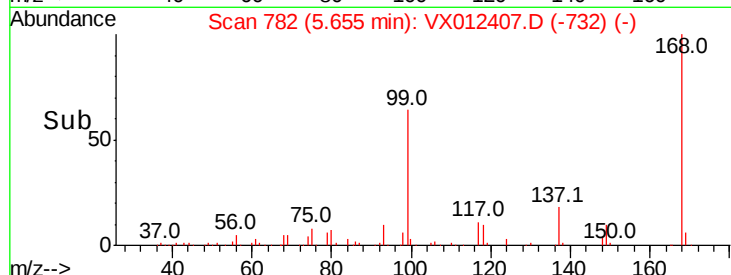
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 157.129 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012407.D

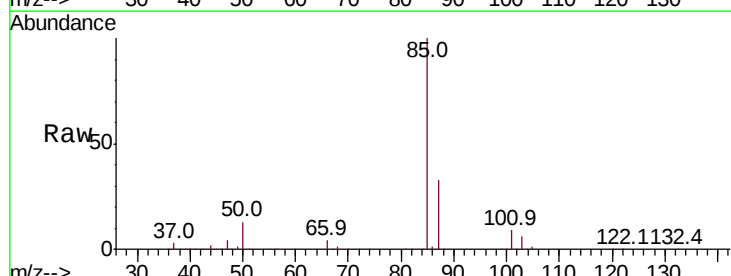
Acq: 16 Sep 2019 14:21

Tgt Ion: 85 Resp: 172811

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

150000

100000

50000

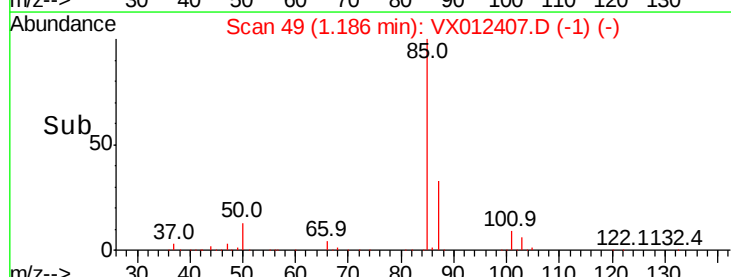
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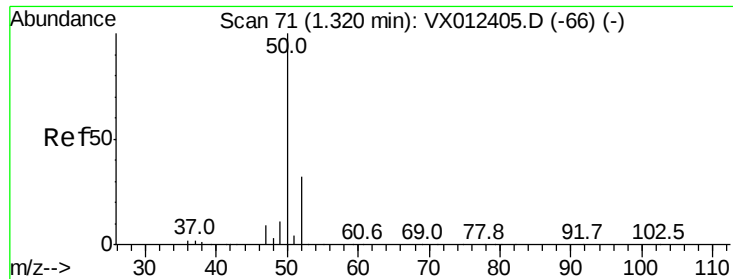
1.10

1.20

1.30

Time-->





#3

Chloromethane

Concen: 154.005 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 149876

Ion Ratio Lower Upper

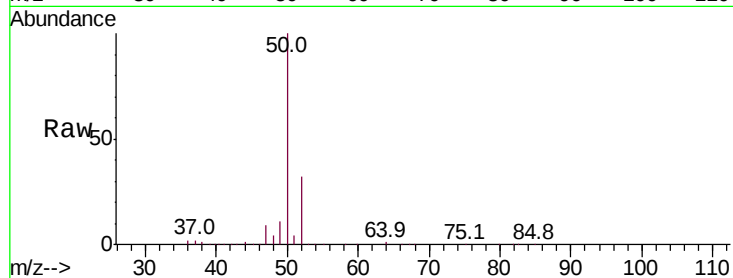
50 100

52 31.7 25.4 38.2

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

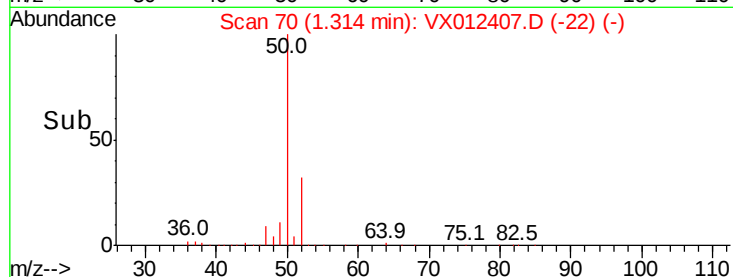
150000

100000

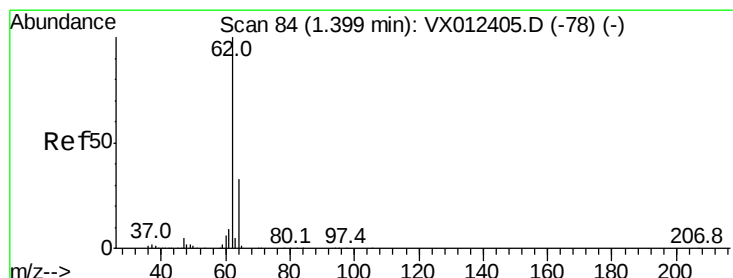
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 162.819 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012407.D

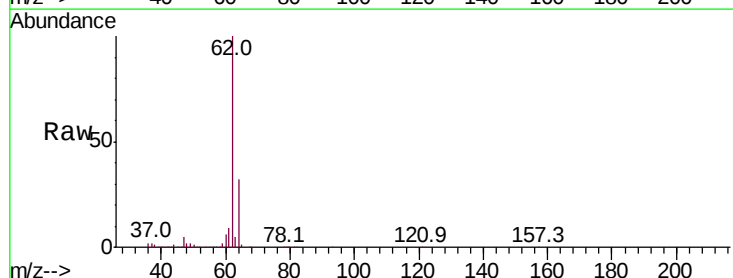
Acq: 16 Sep 2019 14:21

Tgt Ion: 62 Resp: 160511

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

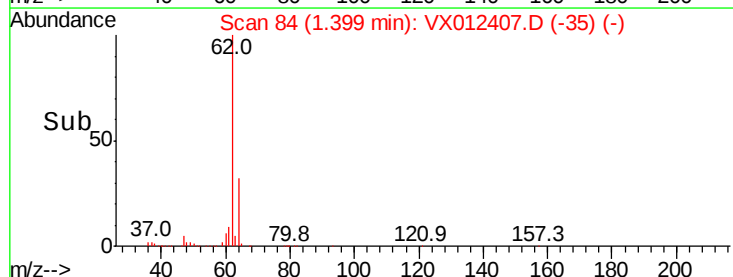
150000

100000

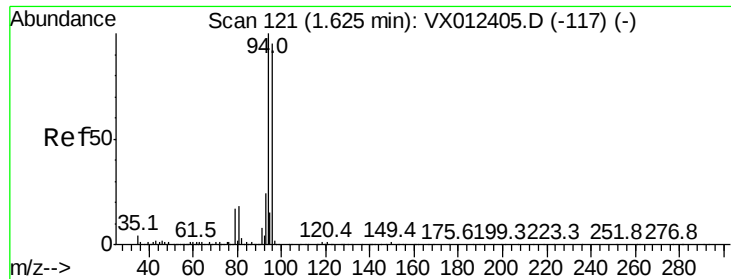
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 115.148 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 59134

Ion Ratio Lower Upper

94 100

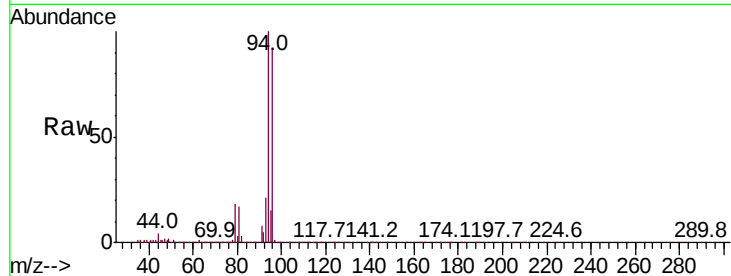
96 92.3 75.7 113.5

Manual Integrations

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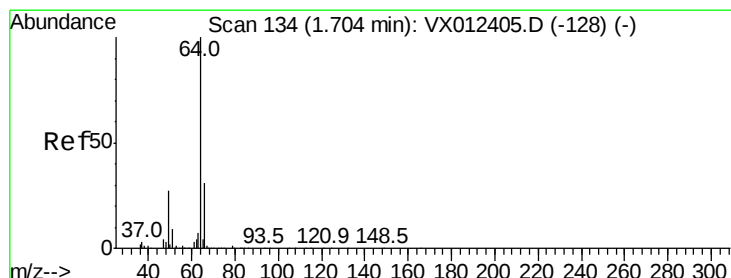
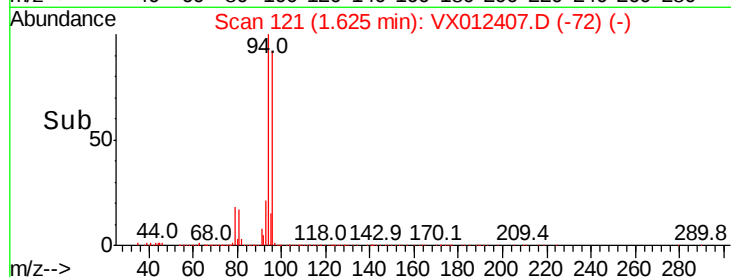
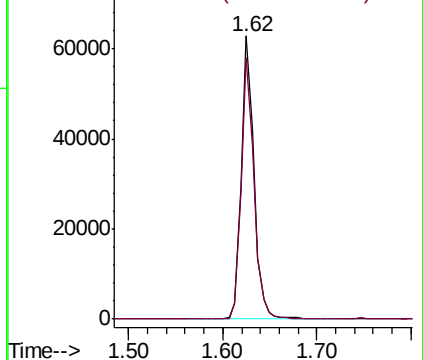
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 124.668 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.01 min

Lab File: VX012407.D

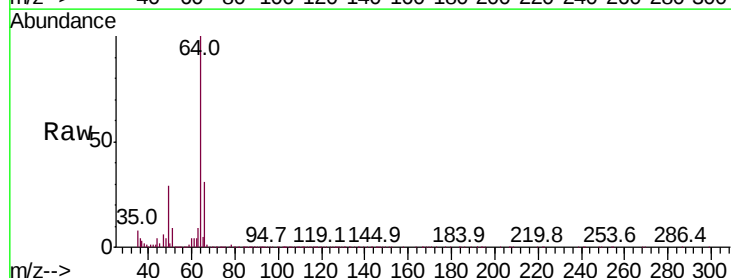
Acq: 16 Sep 2019 14:21

Tgt Ion: 64 Resp: 72440

Ion Ratio Lower Upper

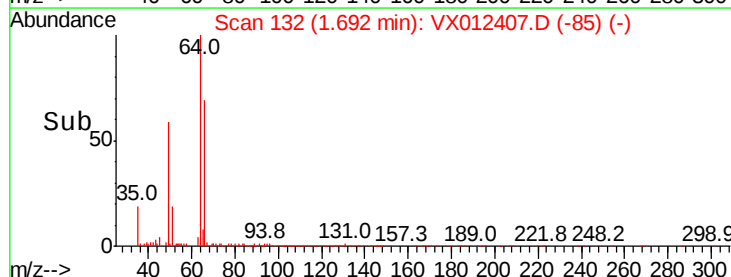
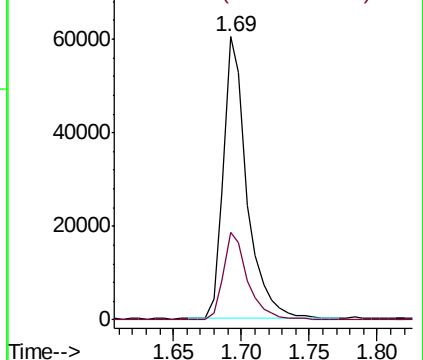
64 100

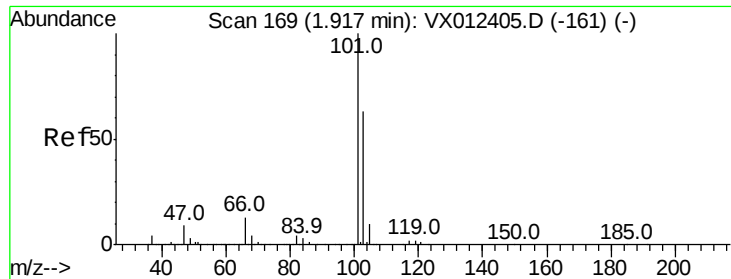
66 30.9 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

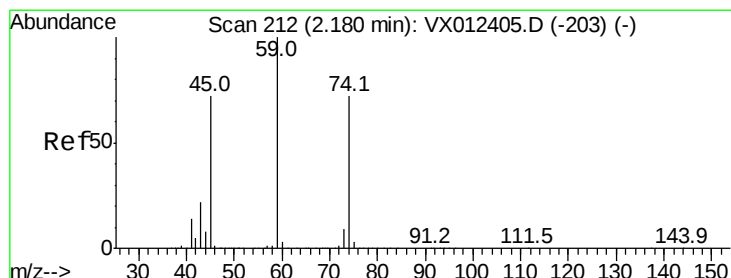
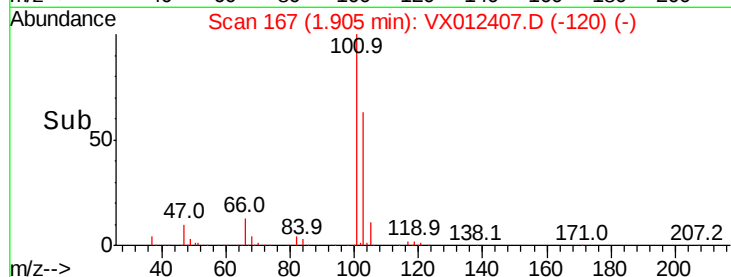
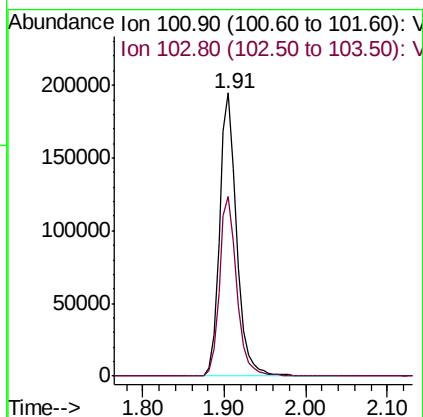
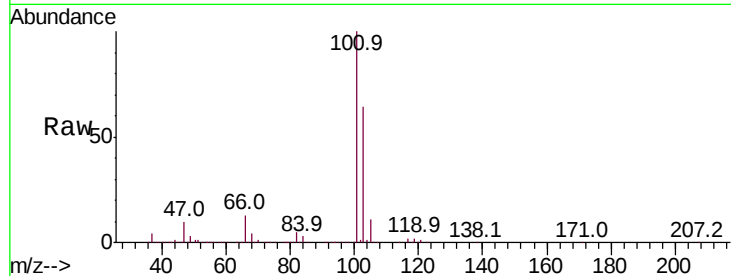
Trichlorofluoromethane
Concen: 176.067 ug/l
RT: 1.91 min Scan# 167
Delta R.T. -0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	284867		
103	63.5	50.5	75.7	

Manual Integrations
APPROVED

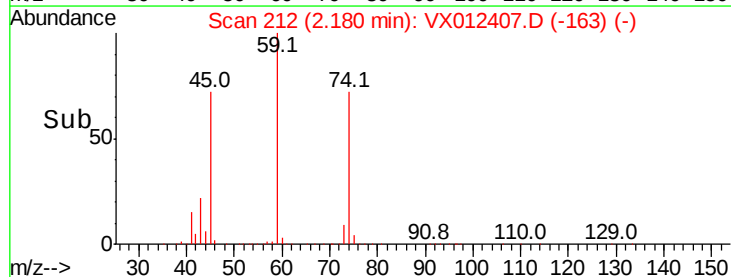
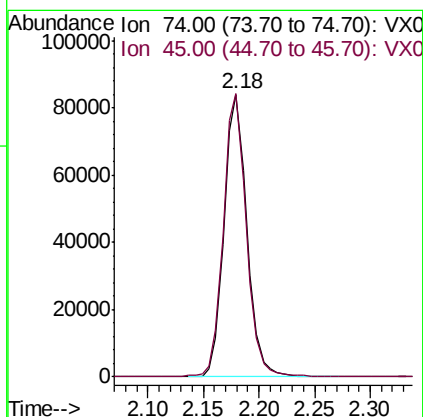
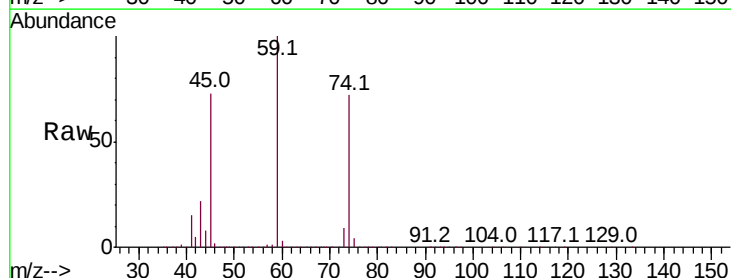
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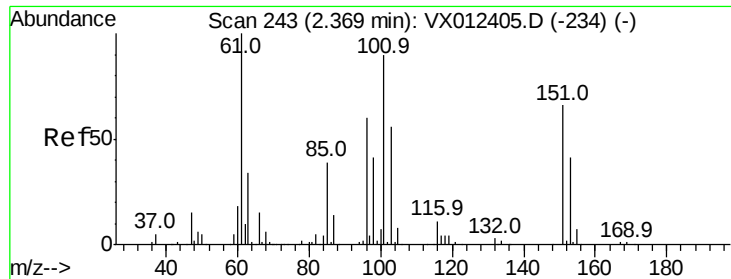


#8

Diethyl Ether
Concen: 207.237 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	119330		
45	100.3	50.6	151.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 197.765 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

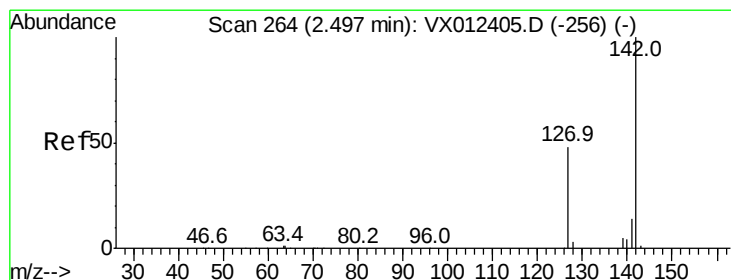
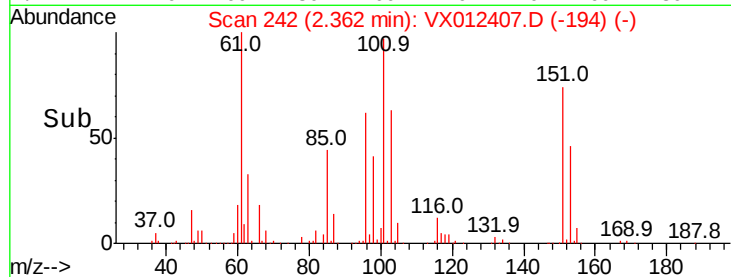
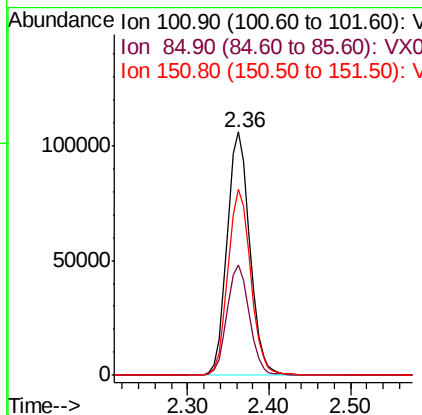
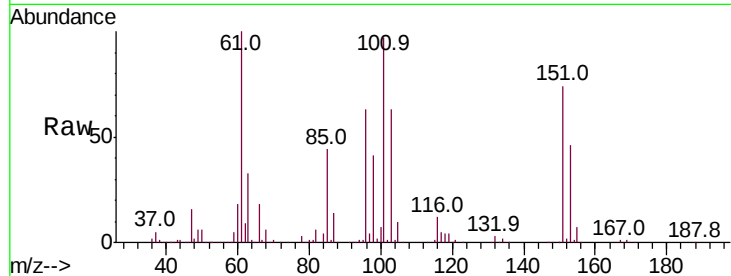
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	203126
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.3	54.5
151	76.3	61.1	91.7

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#10

Methyl Iodide

Concen: 177.473 ug/l

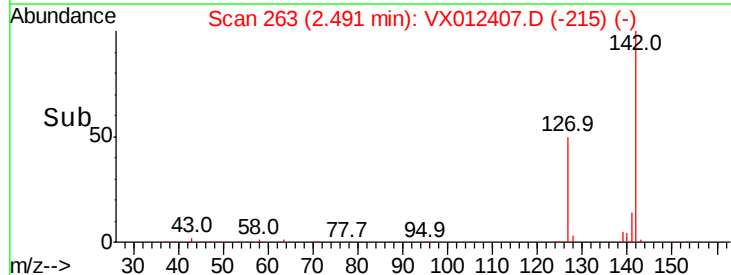
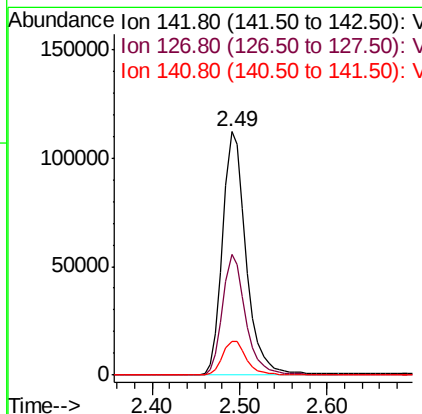
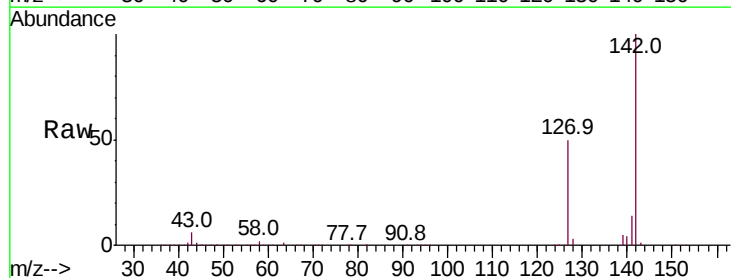
RT: 2.49 min Scan# 263

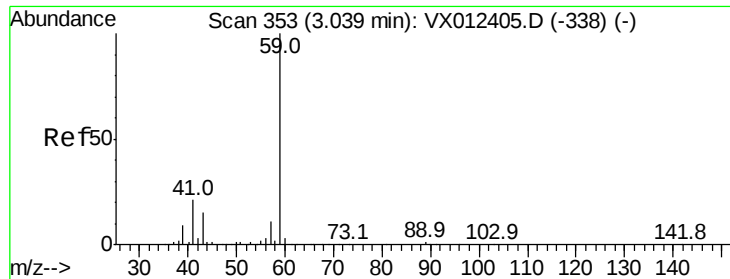
Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Tgt Ion:	142	Resp:	210045
Ion Ratio	Lower	Upper	
142	100		
127	48.9	39.6	59.4
141	14.4	11.6	17.4





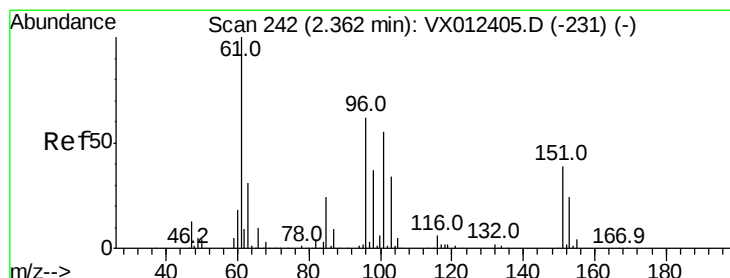
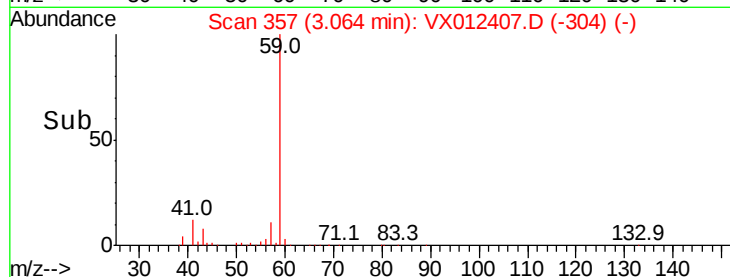
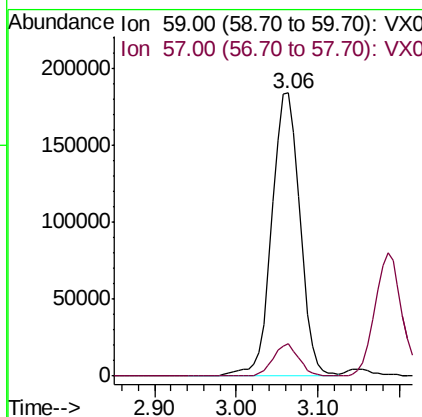
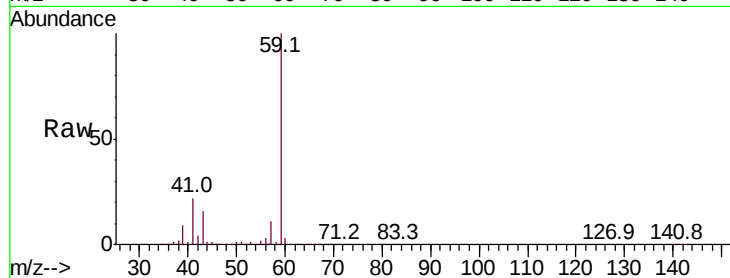
#11
Tert butyl alcohol
Concen: 1421.514 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 441847
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8

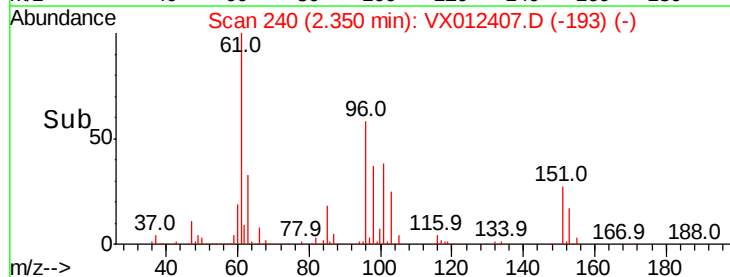
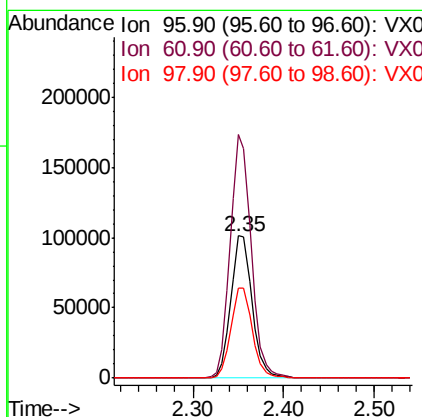
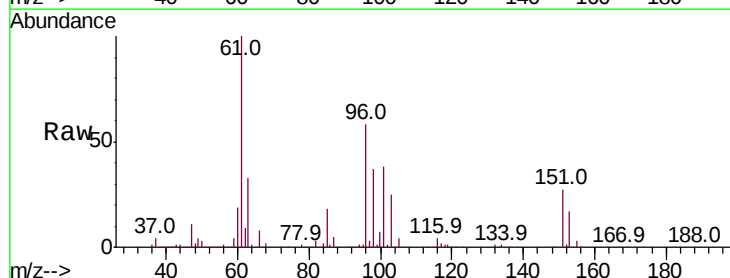
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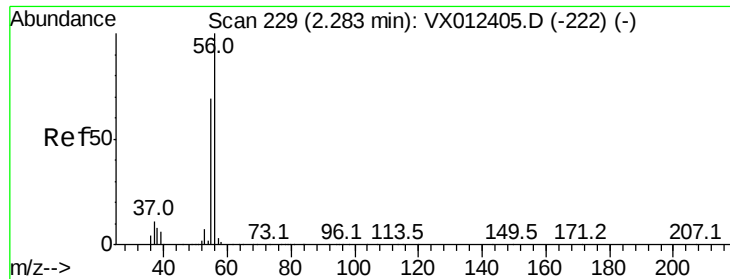
MMDadoda
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#12
1,1-Dichloroethene
Concen: 170.559 ug/l
RT: 2.35 min Scan# 240
Delta R.T. -0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 96 Resp: 165289
Ion Ratio Lower Upper
96 100
61 171.5 129.8 194.6
98 63.7 48.5 72.7





#13

Acrolein

Concen: 1511.724 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 191172

Ion Ratio Lower Upper

56 100

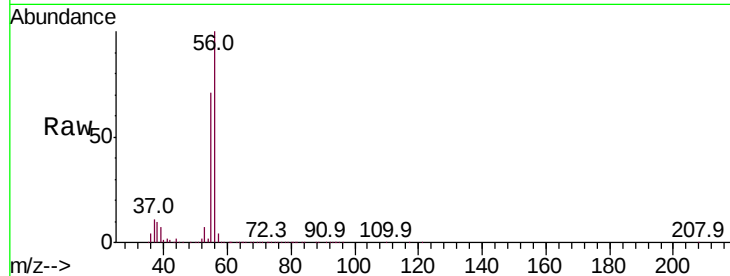
55 70.2 56.1 84.1

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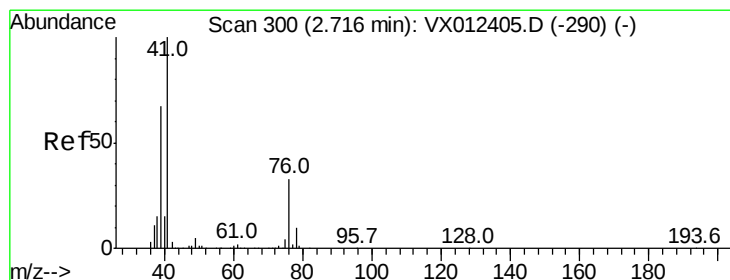
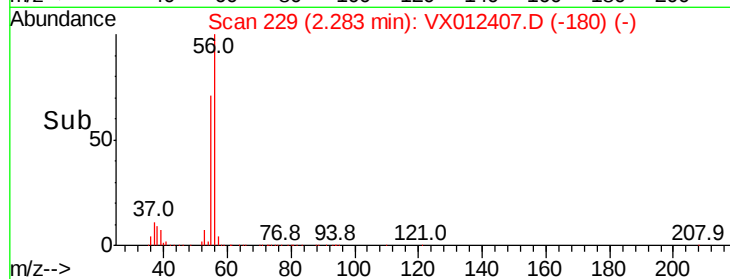
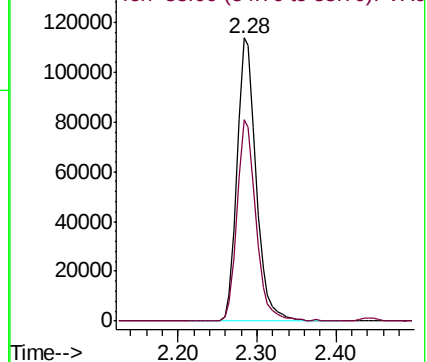
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 231.999 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

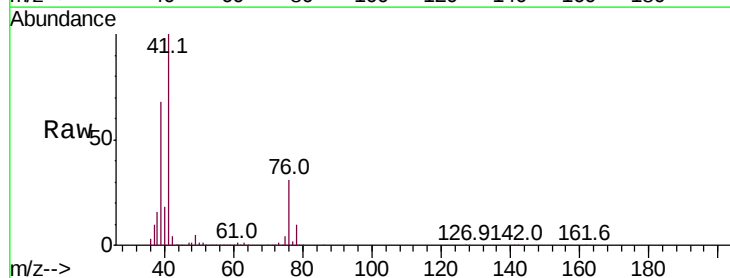
Tgt Ion: 41 Resp: 376809

Ion Ratio Lower Upper

41 100

39 64.4 51.1 76.7

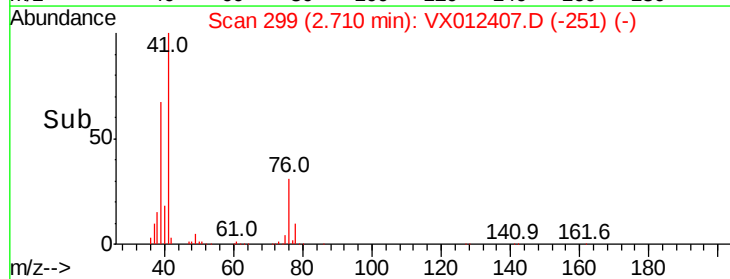
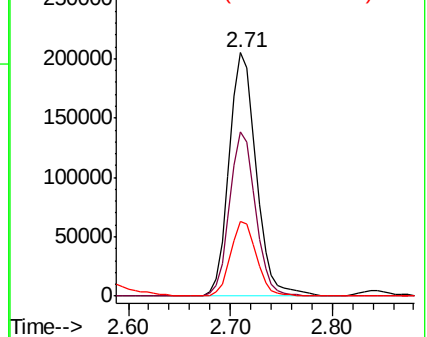
76 29.4 23.4 35.2

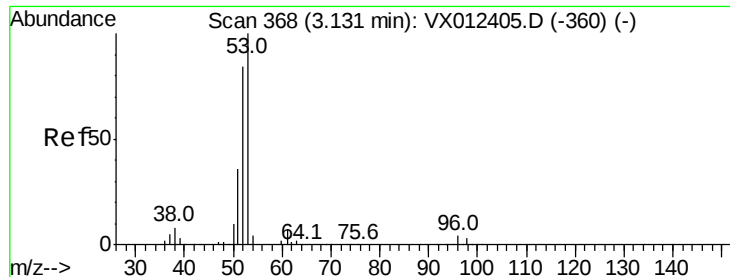


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 1270.121 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 788779

Ion Ratio Lower Upper

53 100

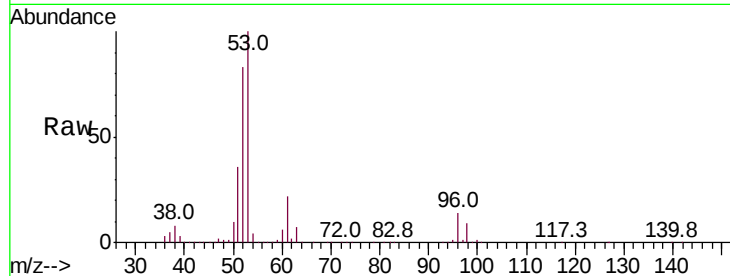
52 83.2 67.4 101.2

51 36.6 29.8 44.6

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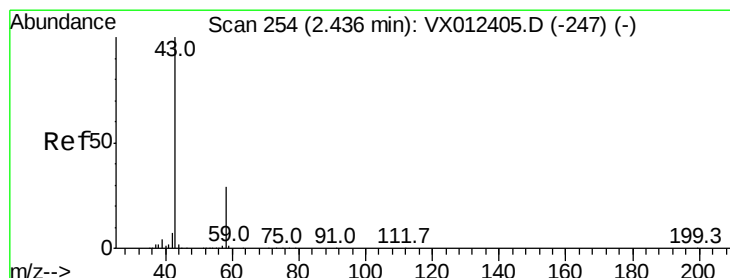
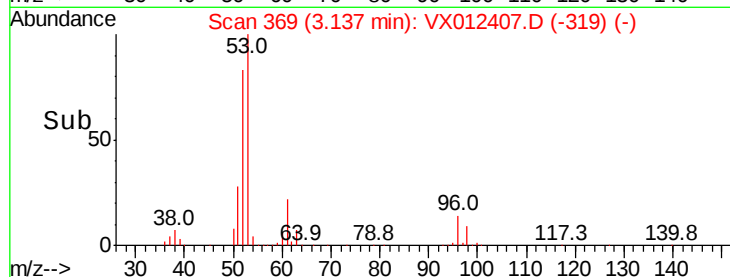
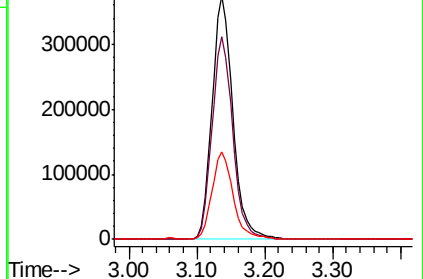
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Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1241.660 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX012407.D

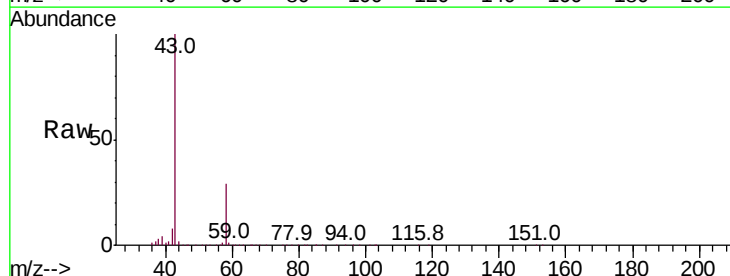
Acq: 16 Sep 2019 14:21

Tgt Ion: 43 Resp: 753056

Ion Ratio Lower Upper

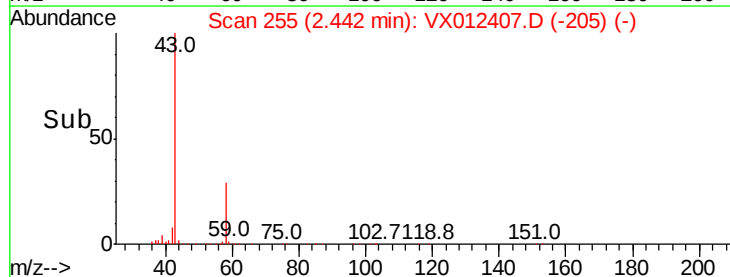
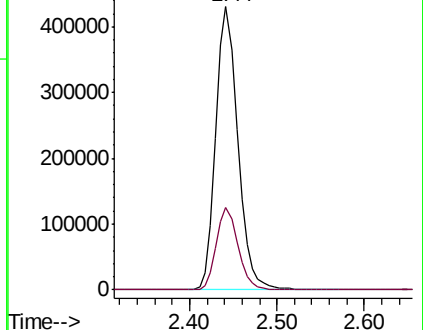
43 100

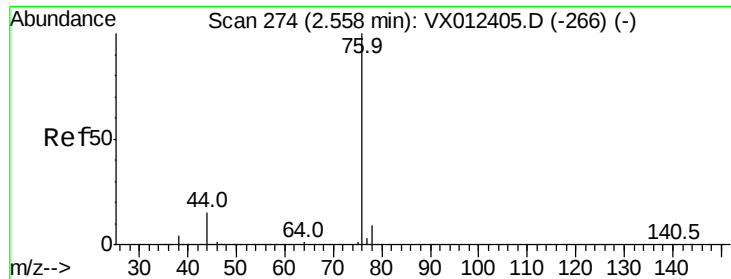
58 29.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 107.835 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 238711

Ion Ratio Lower Upper

76 100

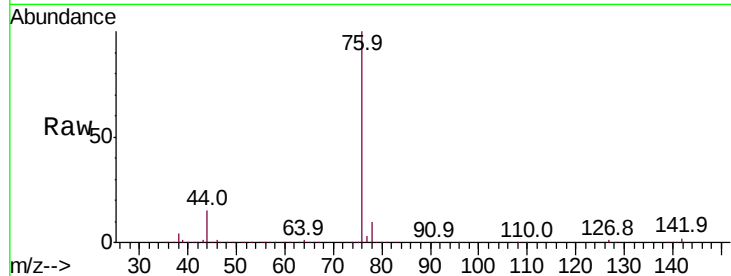
78 9.5 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

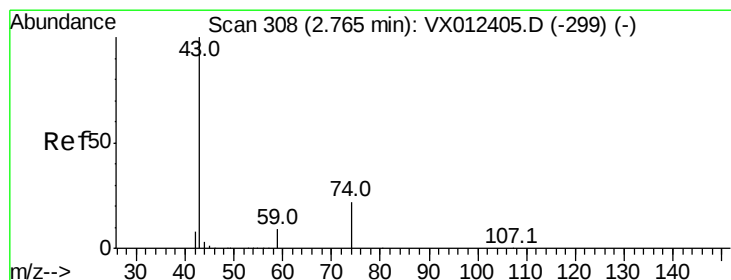
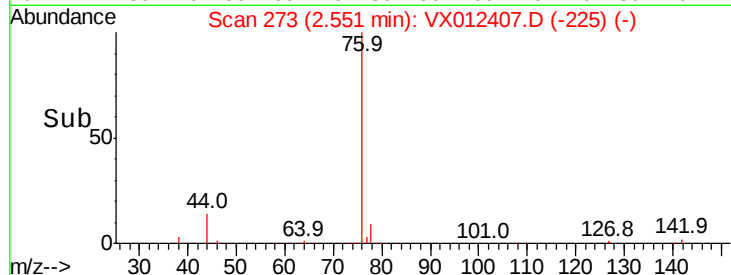
2.55

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 233.686 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012407.D

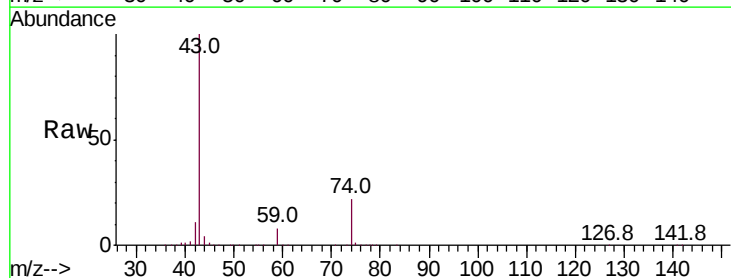
Acq: 16 Sep 2019 14:21

Tgt Ion: 43 Resp: 367812

Ion Ratio Lower Upper

43 100

74 22.8 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

250000

200000

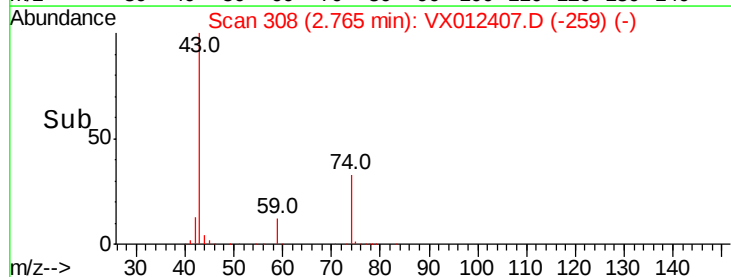
150000

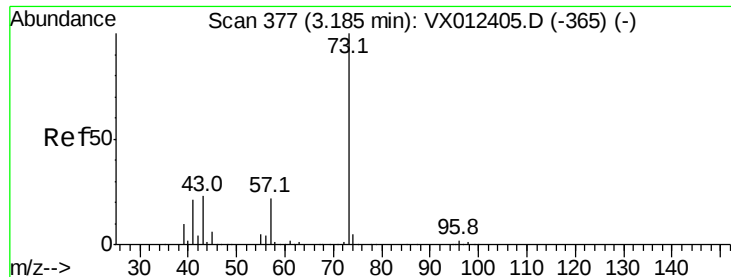
100000

50000

0

Time-->





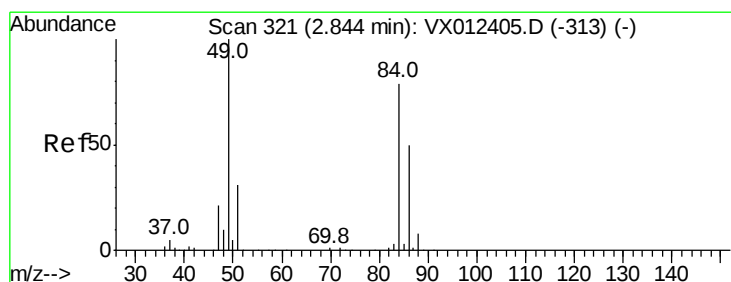
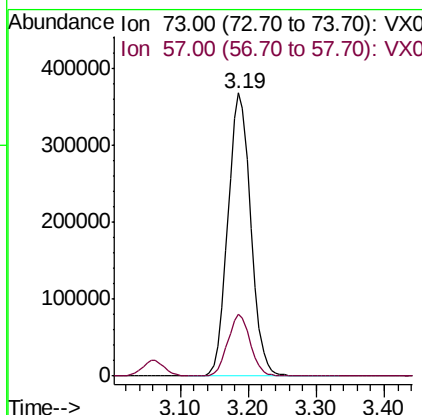
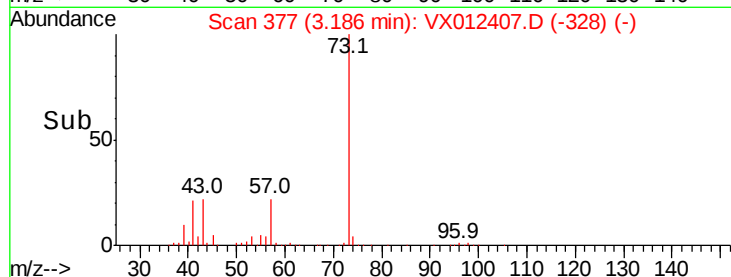
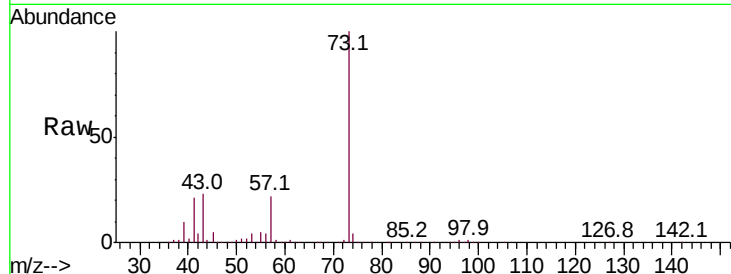
#19
Methvl tert-butvl Ether
Concen: 247.049 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 855629
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.6

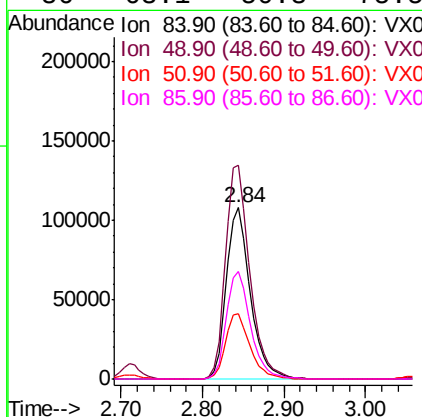
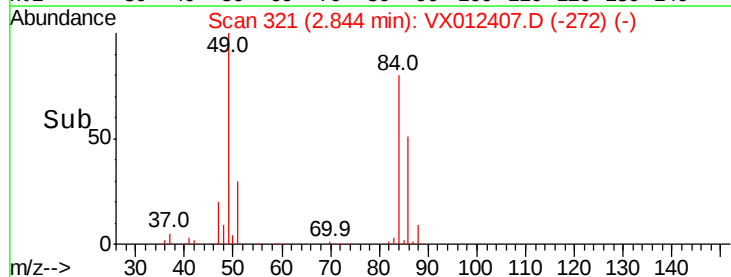
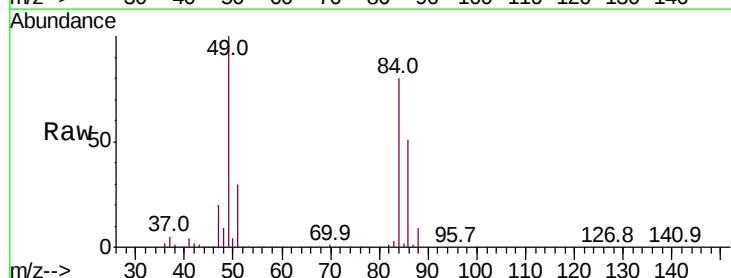
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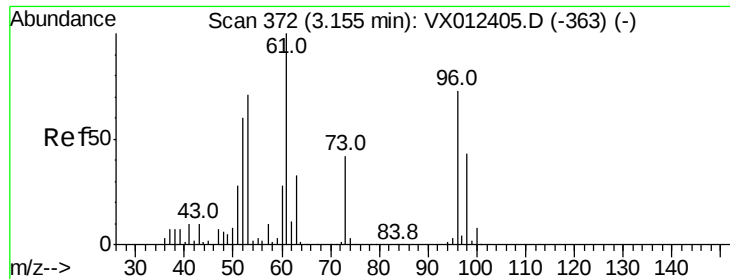
MMDadoda
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#20
Methylene Chloride
Concen: 193.033 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 84 Resp: 217980
Ion Ratio Lower Upper
84 100
49 124.7 101.7 152.5
51 37.9 31.2 46.8
86 63.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 168.038 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 173369

Ion Ratio Lower Upper

96 100

61 145.4 109.7 164.5

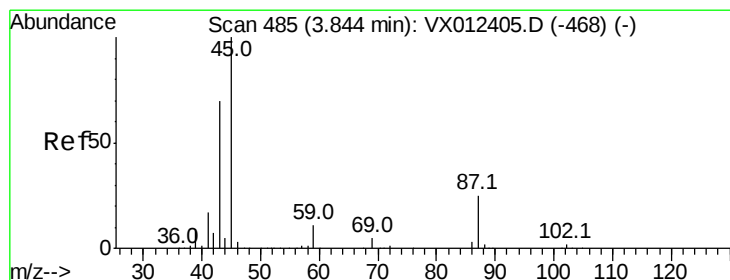
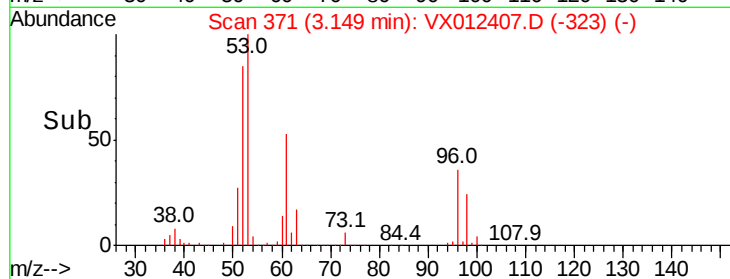
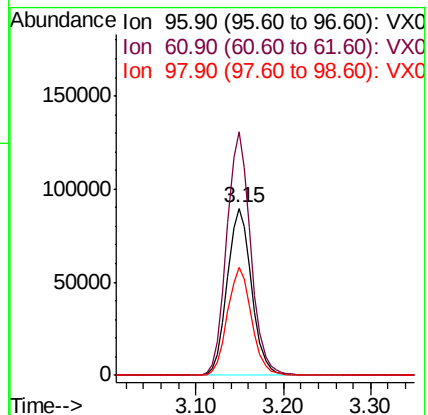
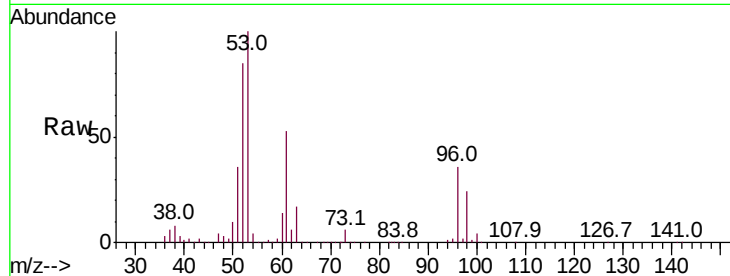
98 64.7 47.0 70.6

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#22

Diisopropyl ether

Concen: 253.577 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Tgt Ion: 45 Resp: 839565

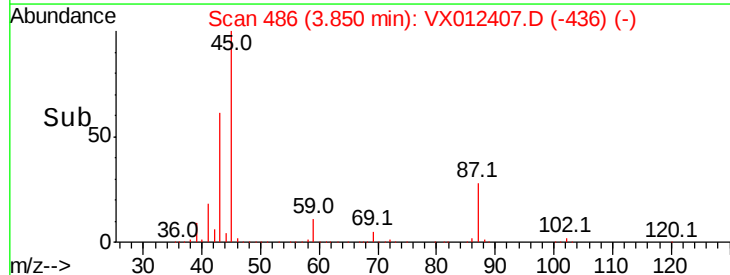
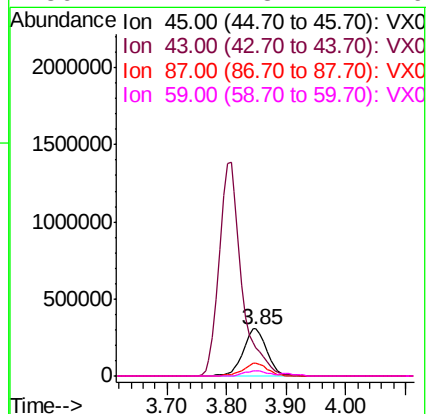
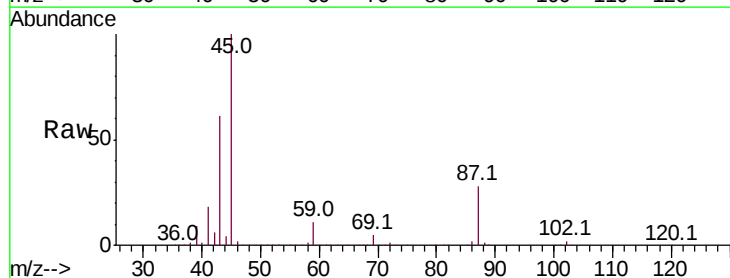
Ion Ratio Lower Upper

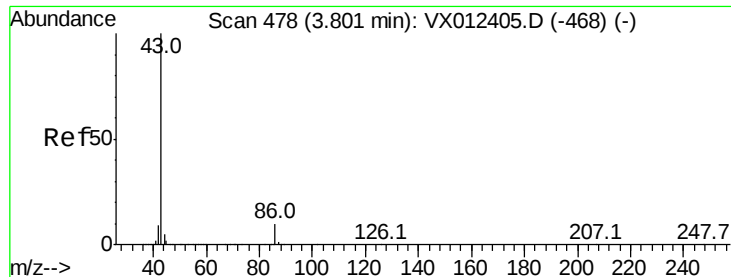
45 100

43 60.8 55.8 83.8

87 27.7 20.0 30.0

59 11.2 8.4 12.6





#23

Vinyl Acetate

Concen: 1315.443 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3624964

Ion Ratio Lower Upper

43 100

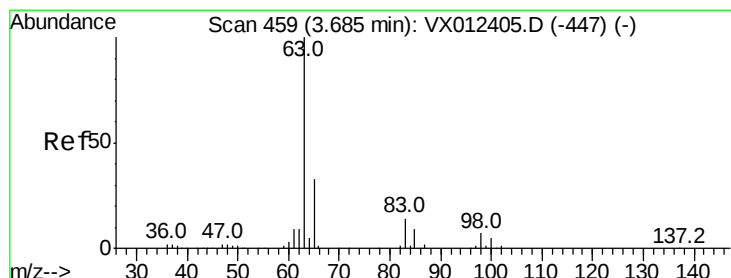
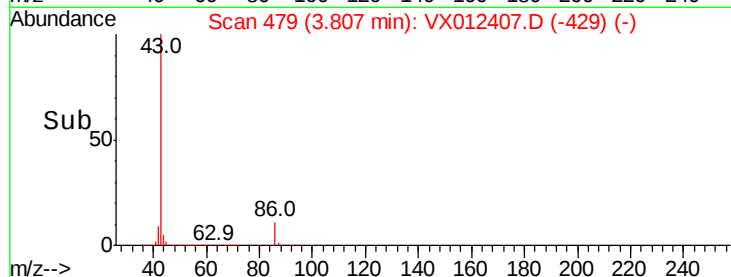
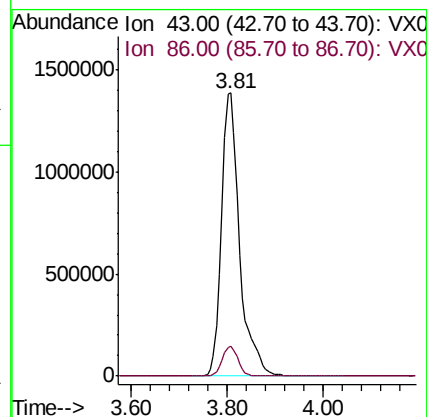
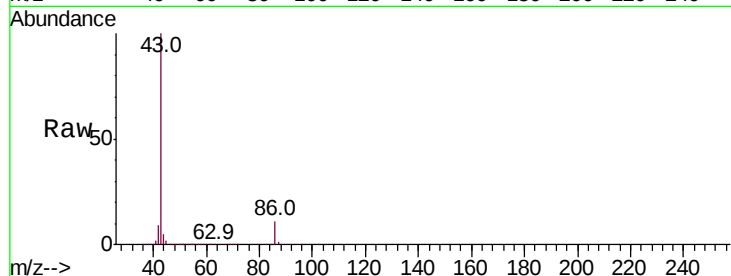
86 10.7 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 226.711 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

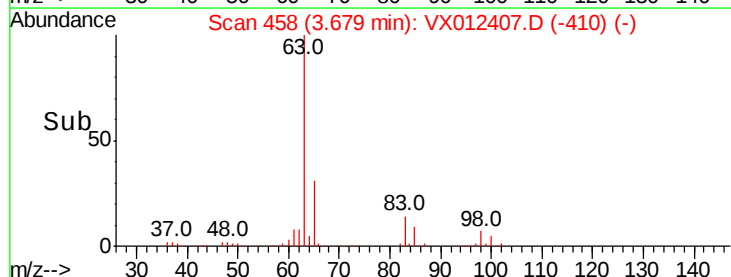
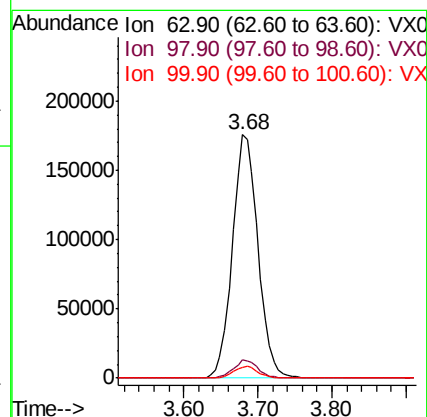
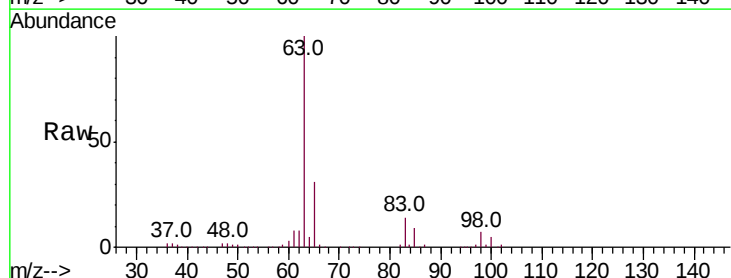
Tgt Ion: 63 Resp: 421197

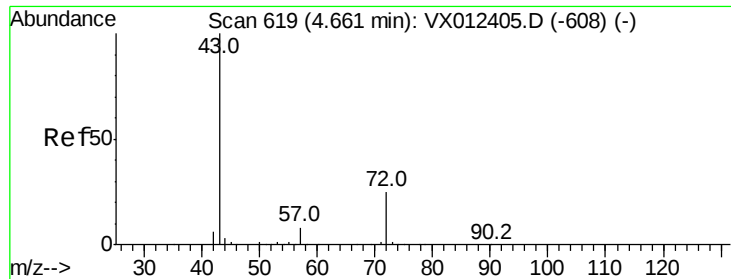
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.6

100 4.5 2.5 7.5





#25

2-Butanone

Concen: 1334.346 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1183047

Ion Ratio Lower Upper

43 100

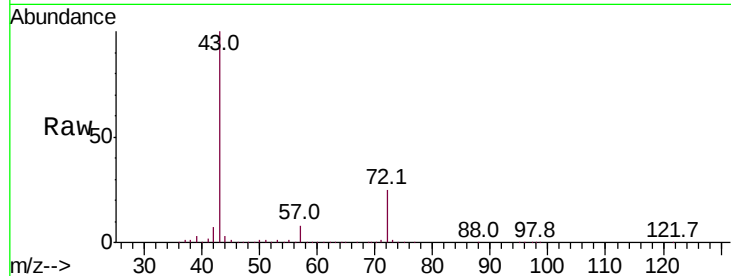
72 24.9 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

400000

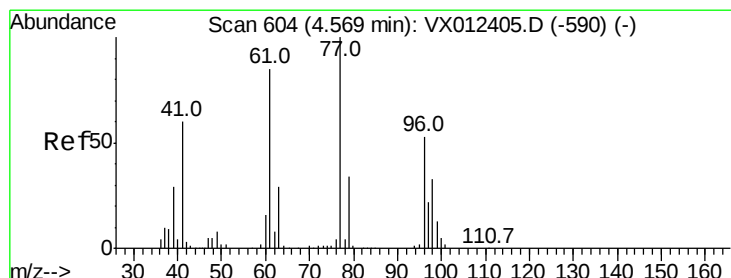
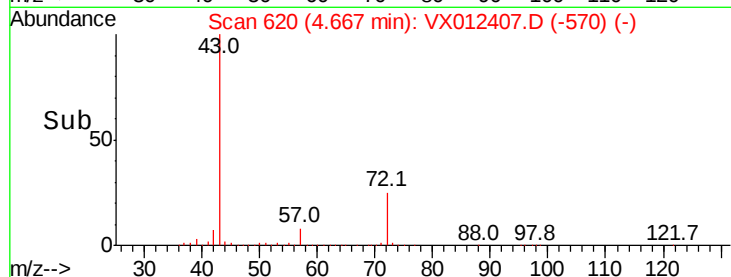
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 237.976 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012407.D

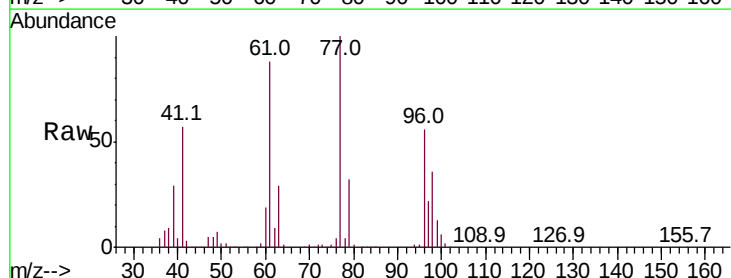
Acq: 16 Sep 2019 14:21

Tgt Ion: 77 Resp: 388550

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

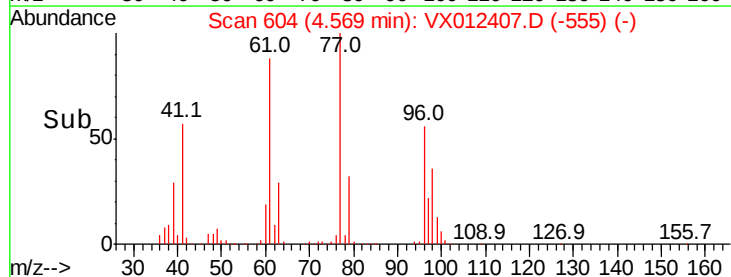
150000

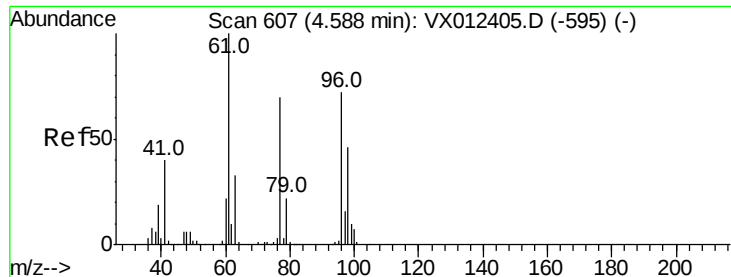
100000

50000

0

Time-->





#27

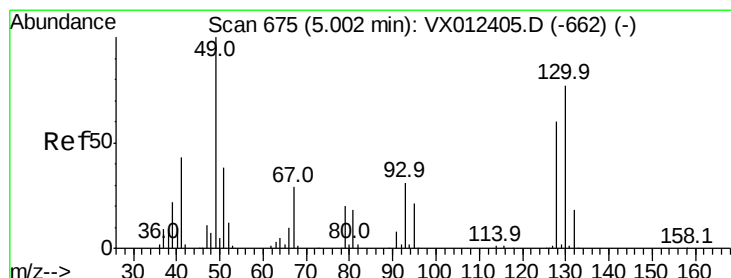
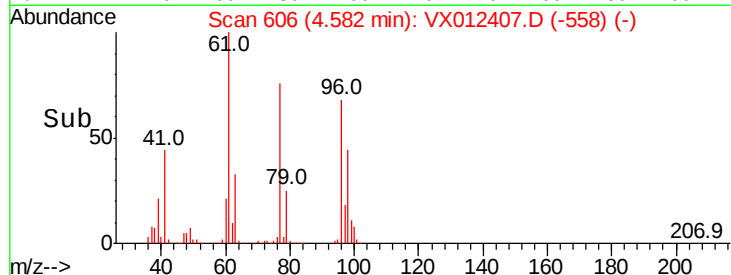
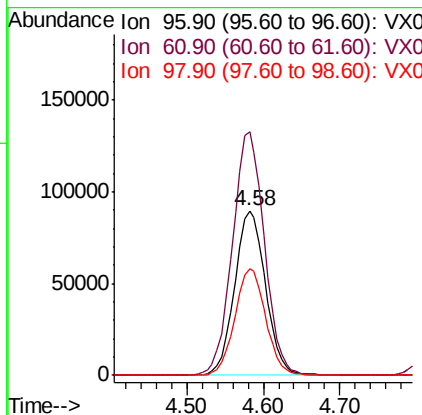
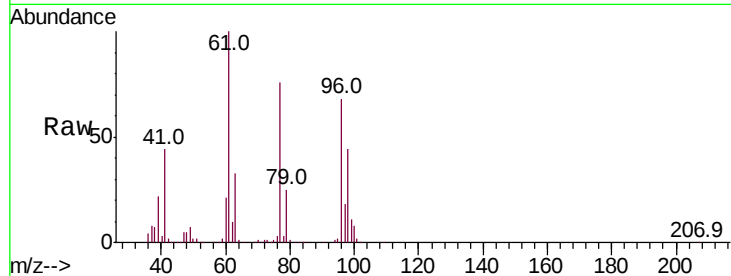
cis-1,2-Dichloroethene
Concen: 200.765 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	250408		
61	153.7	0.0	307.6	
98	64.9	0.0	129.8	

Manual Integrations
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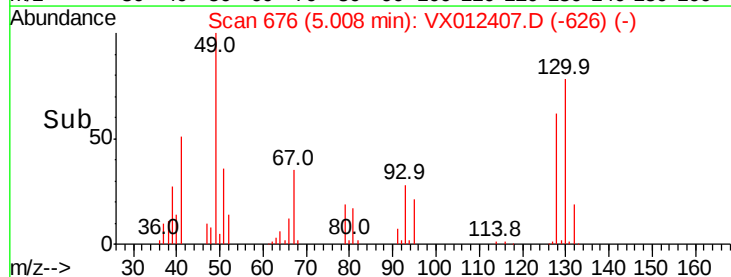
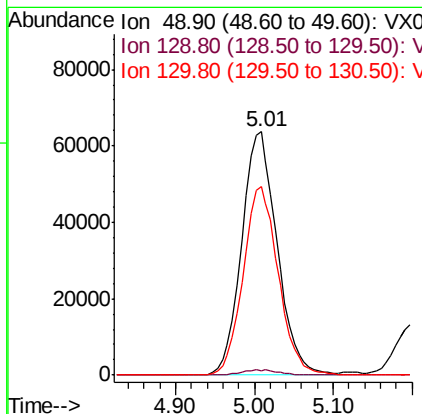
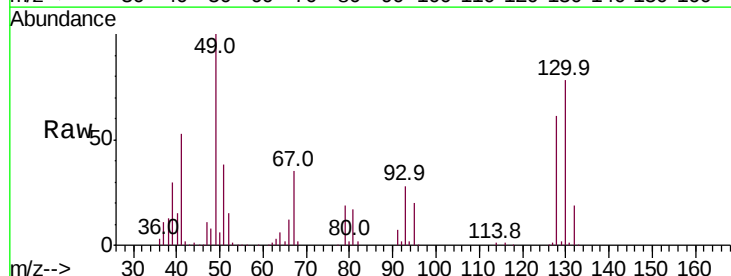
MMDadoda
9/23/2019 5:04:21 PM

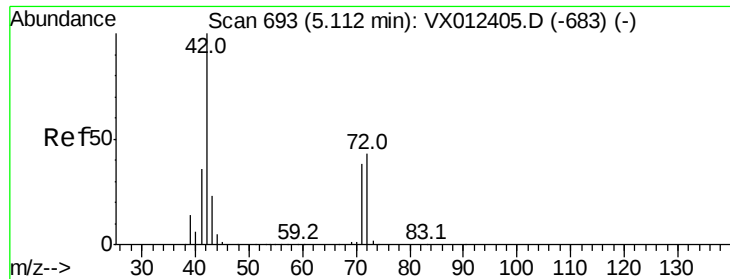


#28

Bromochloromethane
Concen: 231.667 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	199156		
129	2.2	0.0	4.6	
130	76.8	61.3	91.9	





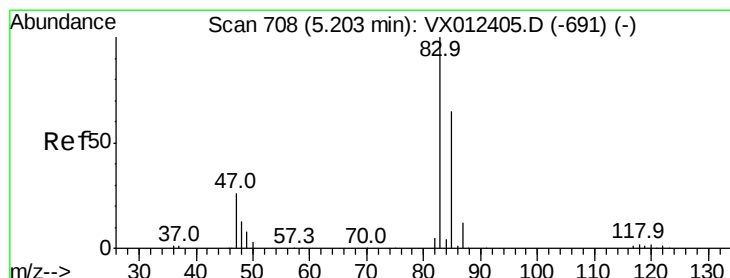
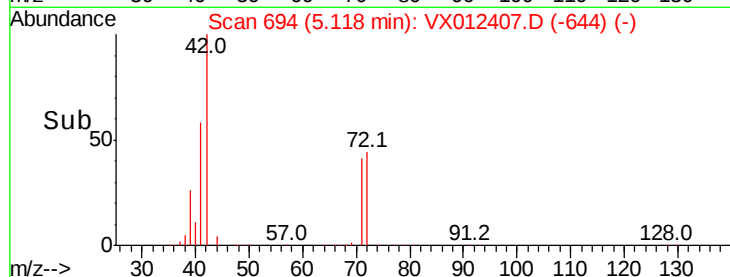
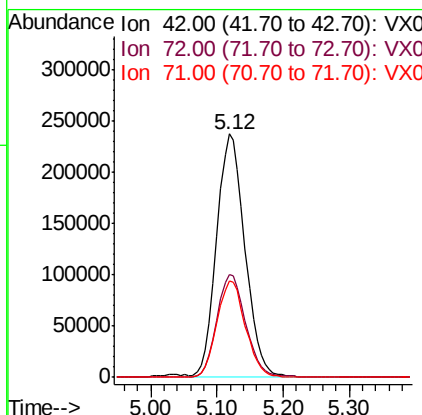
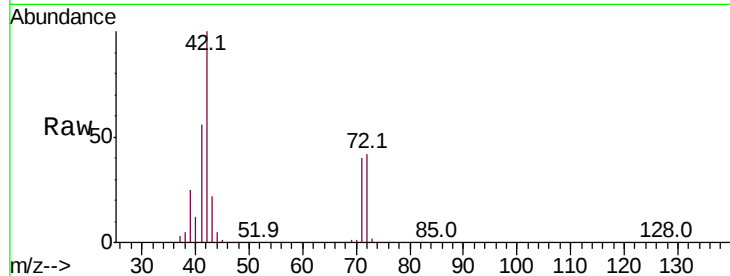
#29
Tetrahydrofuran
Concen: 1278.480 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.9	52.3
71	39.9	32.6	48.8

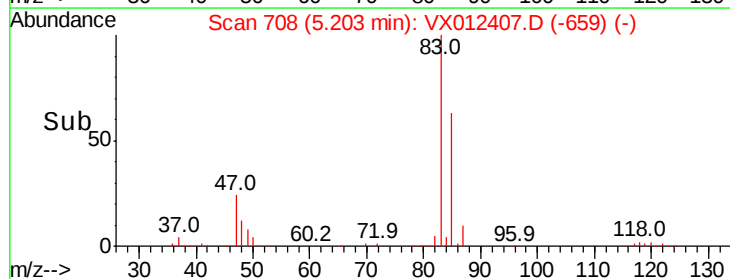
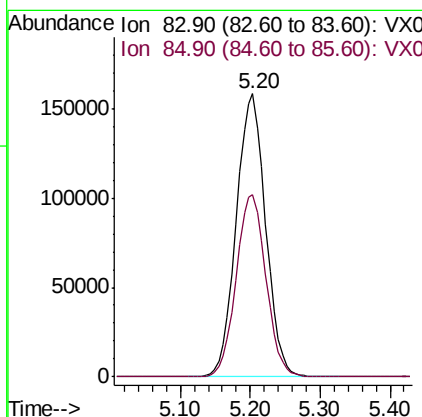
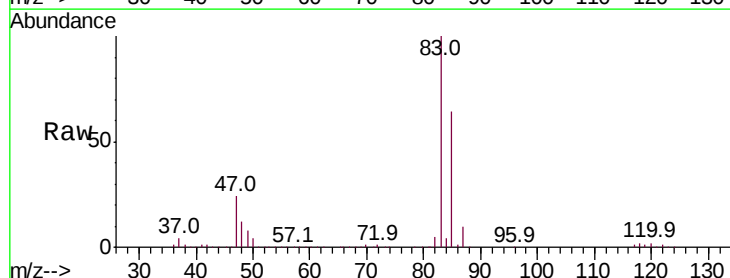
Manual Integrations
APPROVED

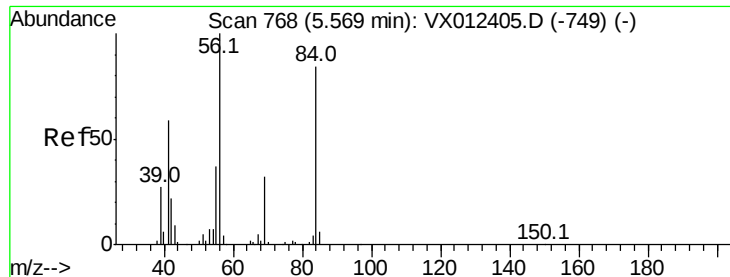
MMDadoda
9/23/2019 5:04:21 PM



#30
Chloroform
Concen: 225.498 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.9	77.9





#31

Cyclohexane

Concen: 172.021 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

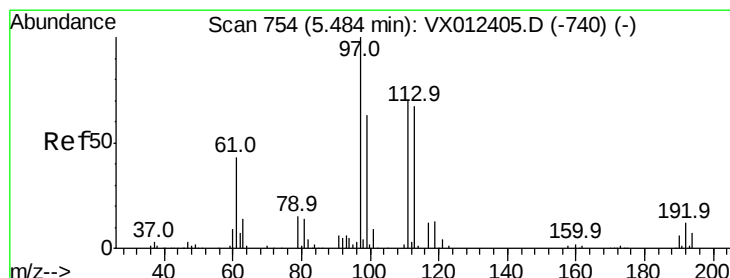
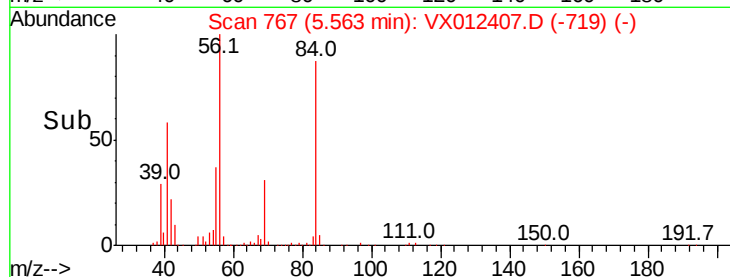
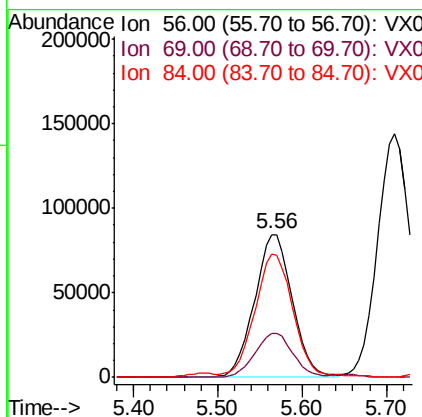
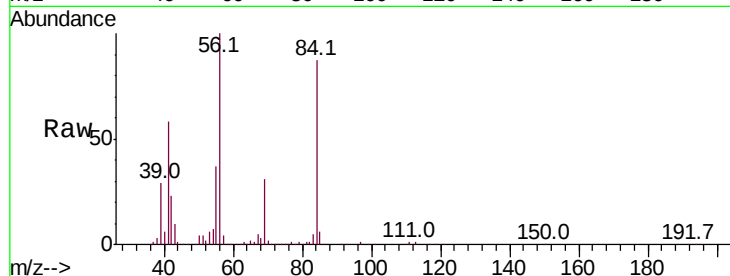
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	259975
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.9	37.3
84	84.9	67.2	100.8

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 230.667 ug/l

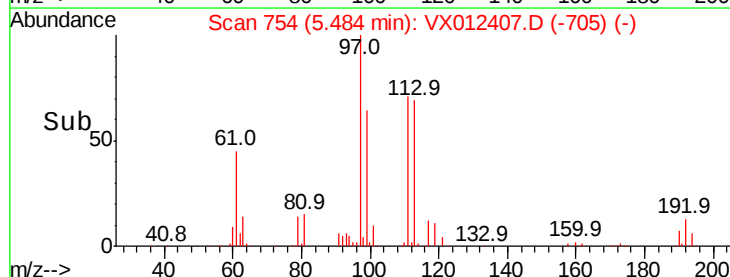
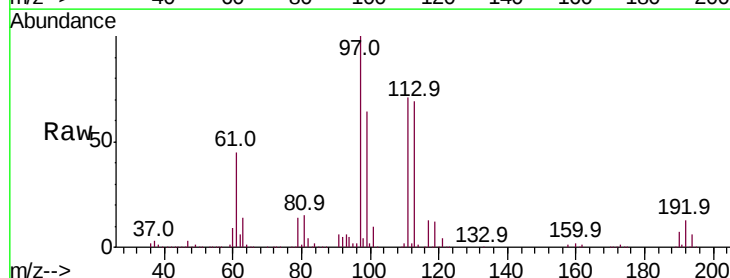
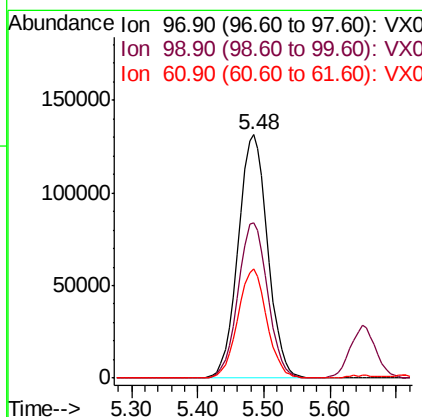
RT: 5.48 min Scan# 754

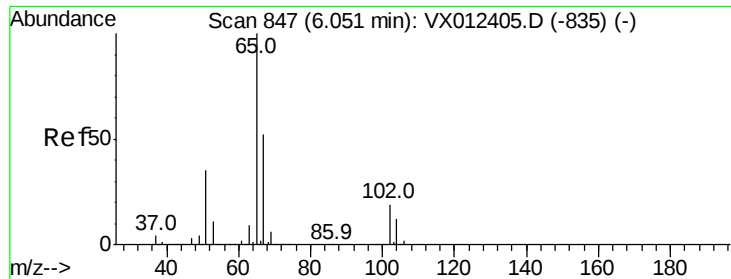
Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Tgt Ion:	97	Resp:	406680
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	44.2	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 246.412 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 356989

Ion Ratio Lower Upper

65 100

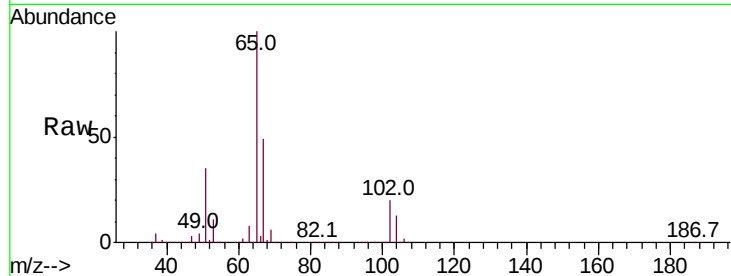
67 50.2 0.0 102.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

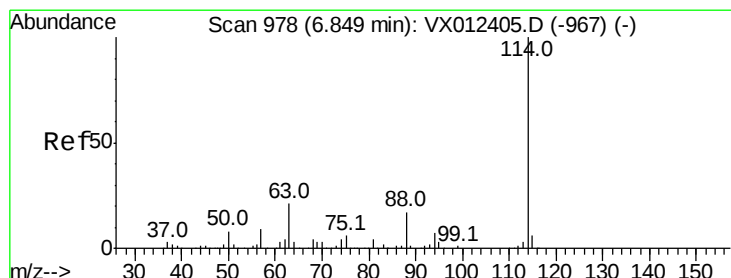
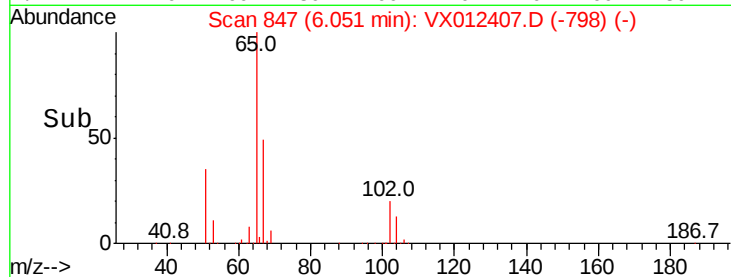
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

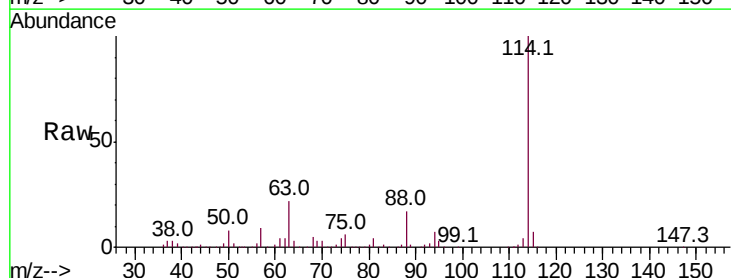
Tgt Ion:114 Resp: 187215

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.4

88 17.4 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

100000

80000

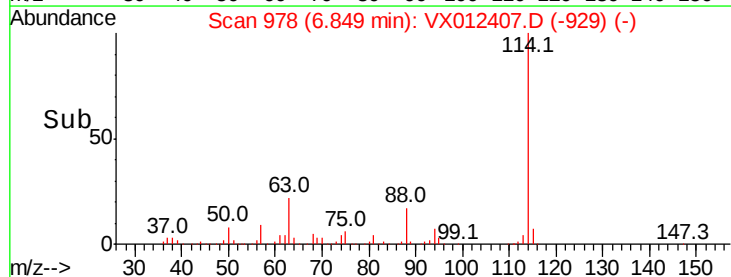
60000

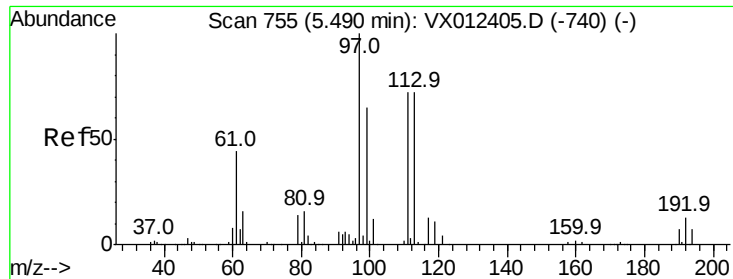
40000

20000

0

Time--> 6.80 6.90





#35

Dibromofluoromethane

Concen: 199.969 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

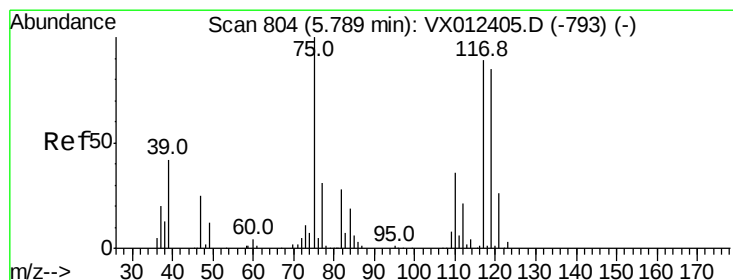
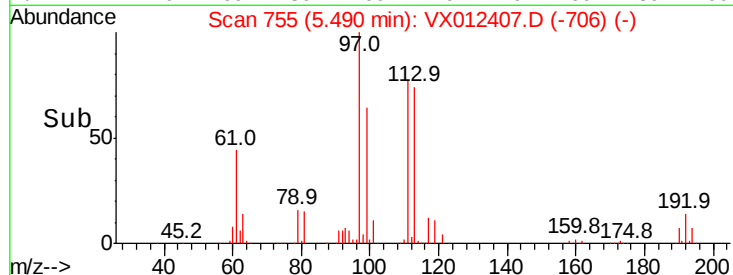
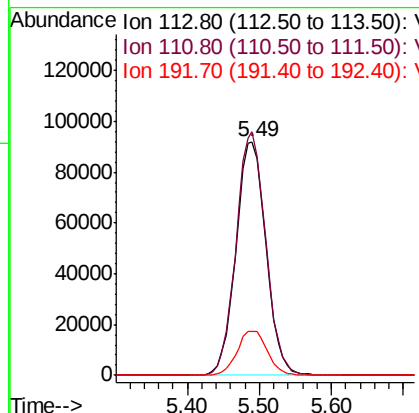
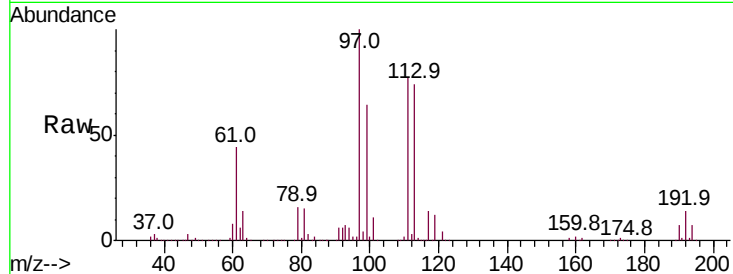
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	266551
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.8	122.6
192	19.2	15.0	22.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 174.518 ug/l

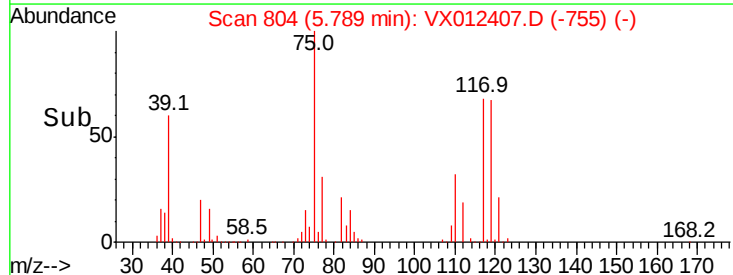
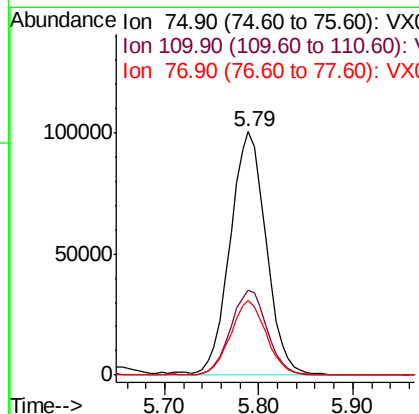
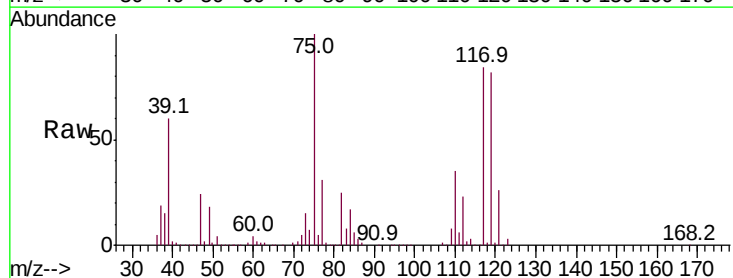
RT: 5.79 min Scan# 804

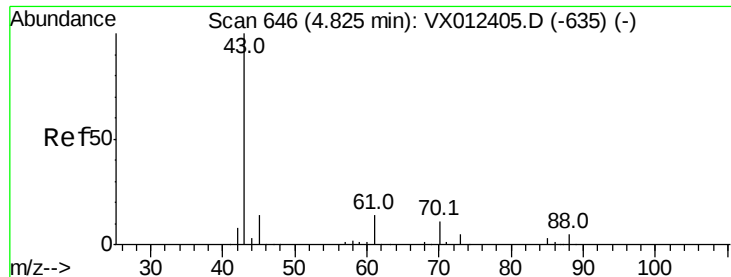
Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Tgt Ion:	75	Resp:	265309
Ion Ratio	Lower	Upper	
75	100		
110	35.6	17.4	52.2
77	30.4	24.8	37.2





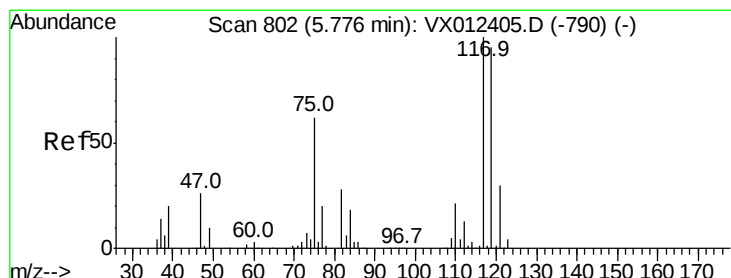
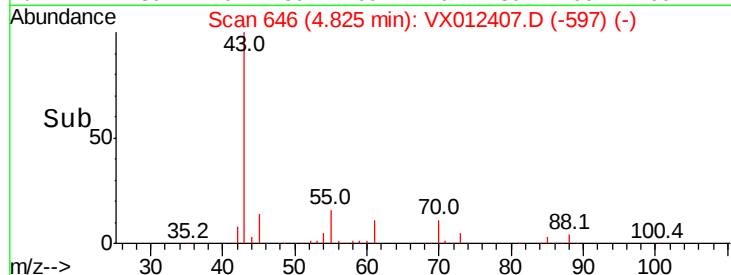
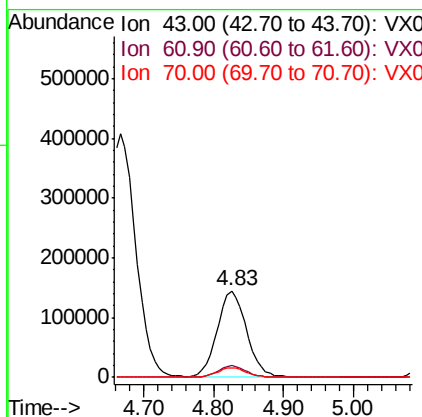
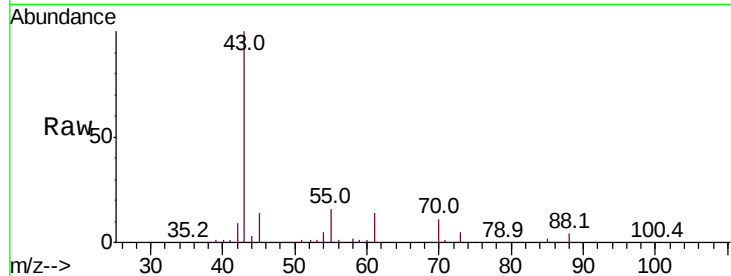
#37
Ethyl Acetate
Concen: 239.893 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.2	16.8
70	11.3	9.0	13.6

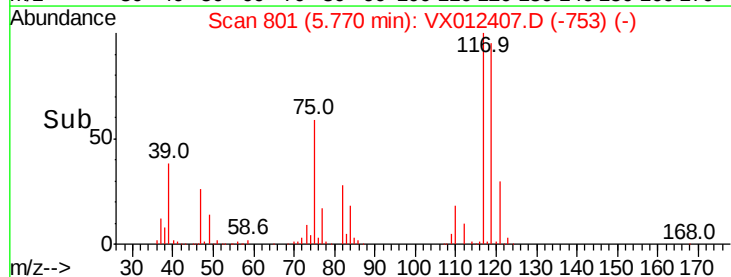
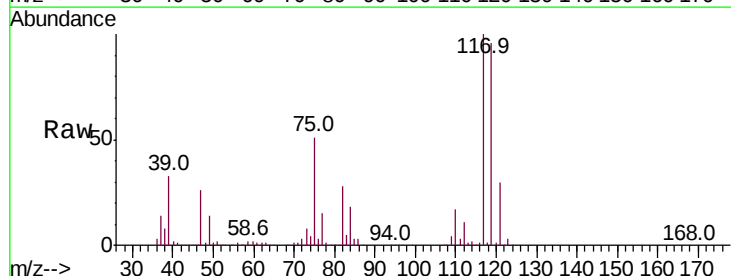
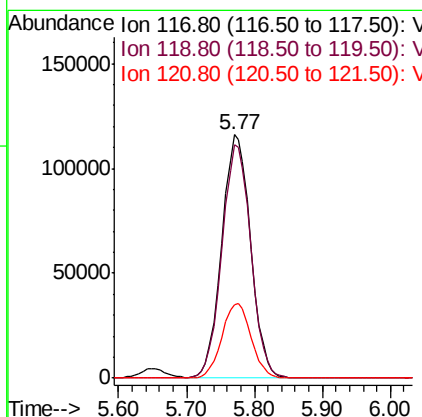
Manual Integrations
APPROVED

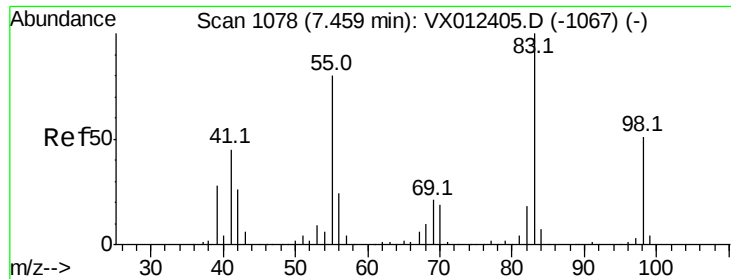
MMDadoda
9/23/2019 5:04:21 PM



#38
Carbon Tetrachloride
Concen: 192.608 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.8	113.8
121	30.2	23.8	35.6





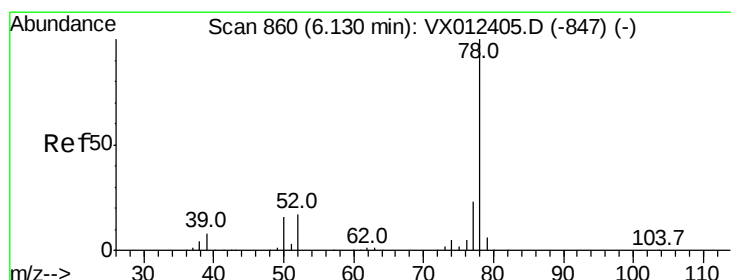
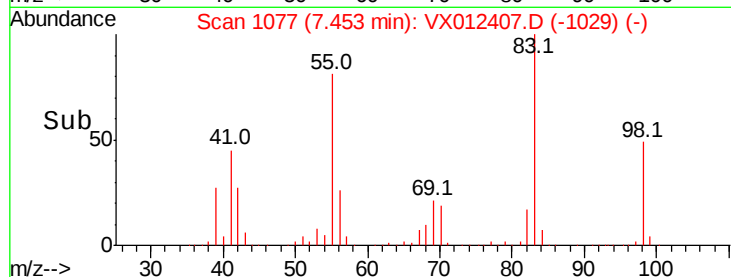
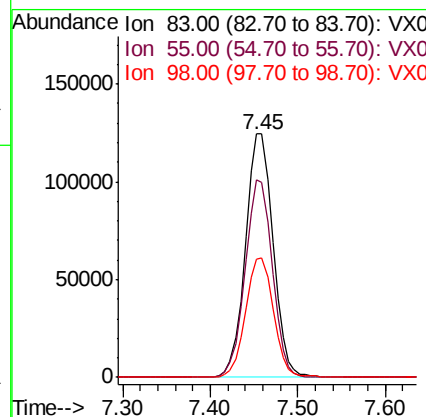
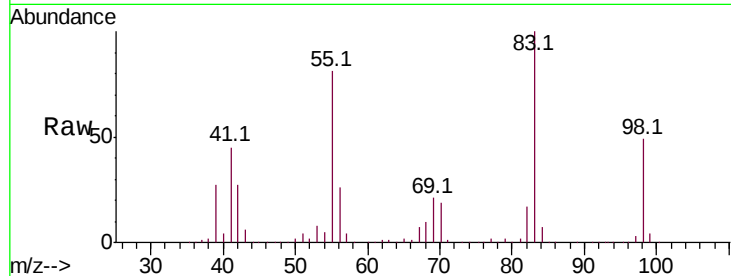
#39
Methvlcvclohexane
Concen: 151.143 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	272772		
55	81.3	63.8	95.6	
98	48.7	40.6	61.0	

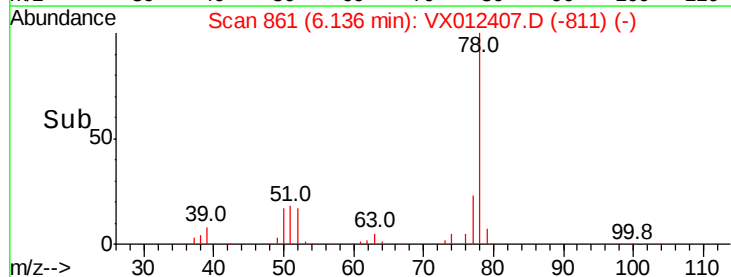
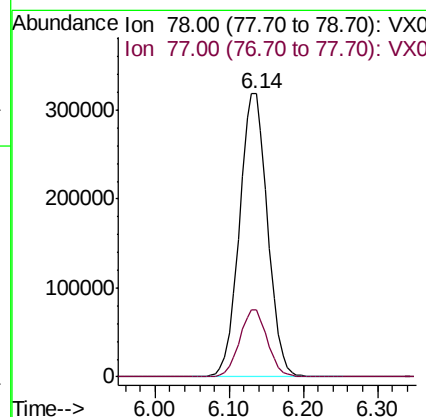
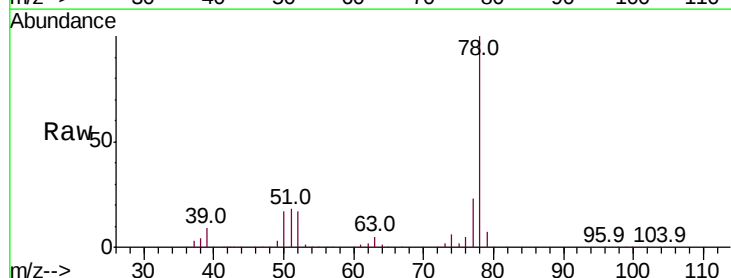
Manual Integrations
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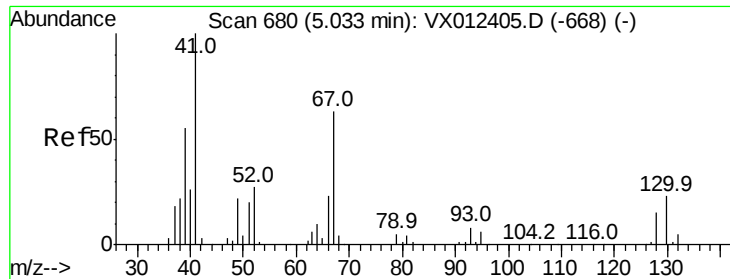
MMDadoda
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#40
Benzene
Concen: 177.264 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	843887		
77	23.5	18.2	27.2	





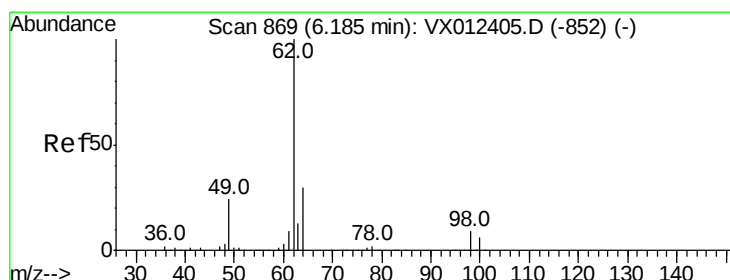
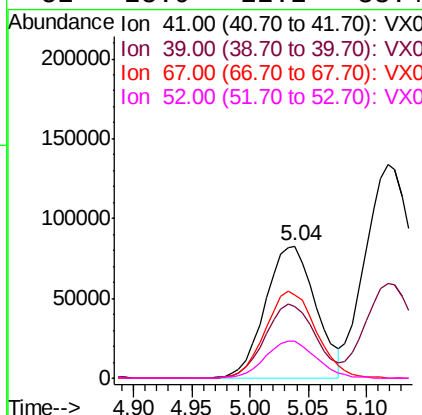
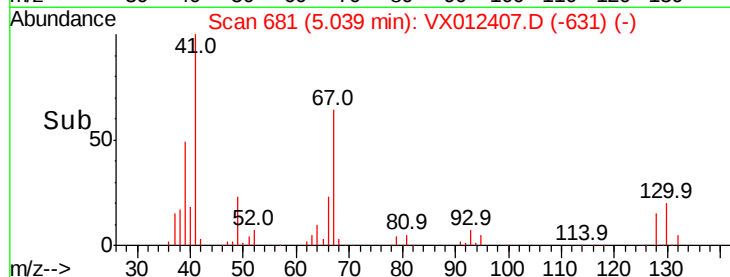
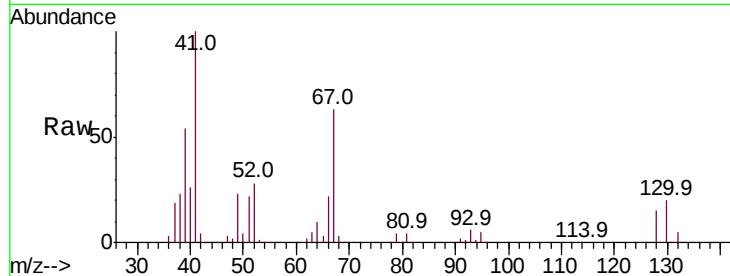
#41
Methacrylonitrile
Concen: 240.024 ug/l
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	44.4	66.6	
67	66.5	53.8	80.8	
52	28.9	22.2	33.4	

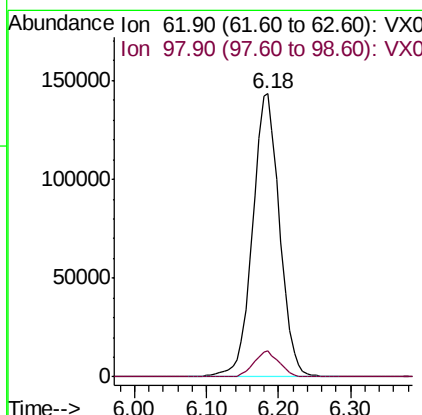
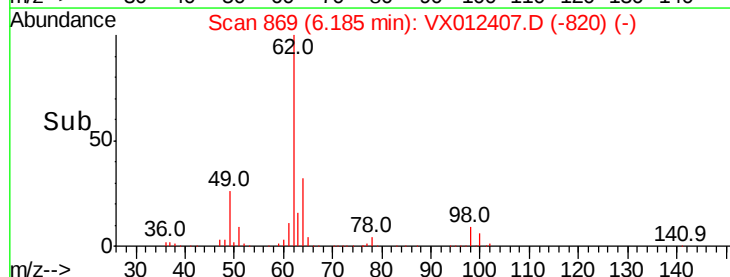
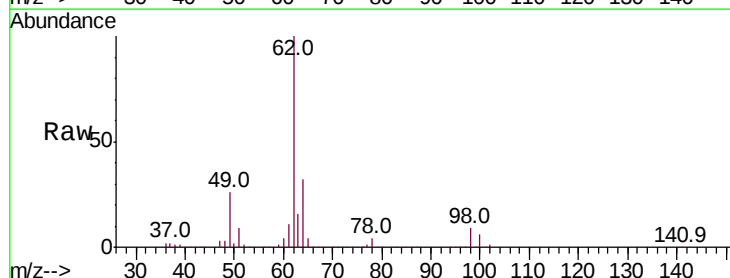
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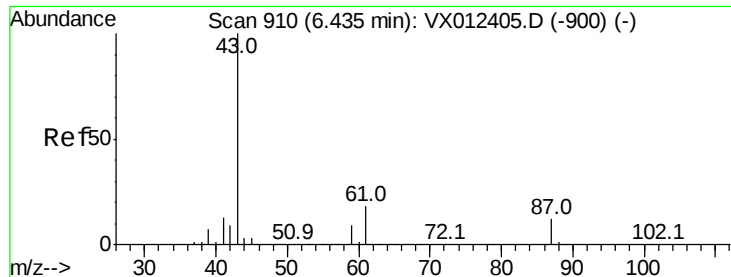
MMDadoda
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#42
1,2-Dichloroethane
Concen: 205.438 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.8	





#43

Isopropyl Acetate

Concen: 251.128 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

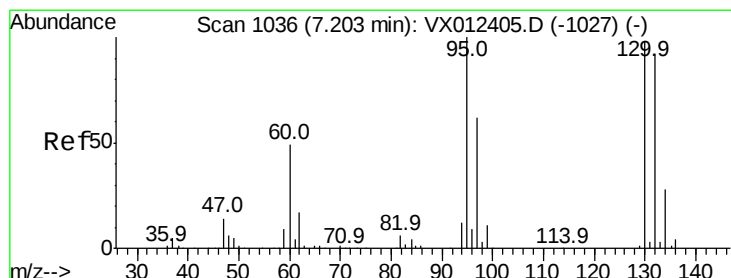
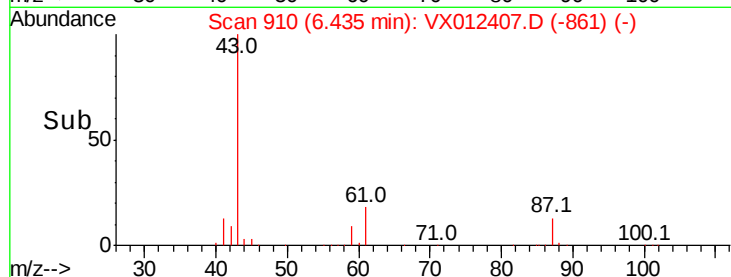
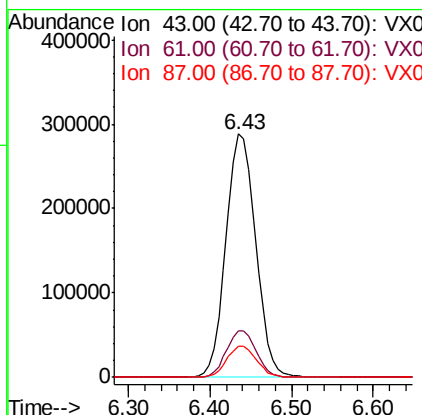
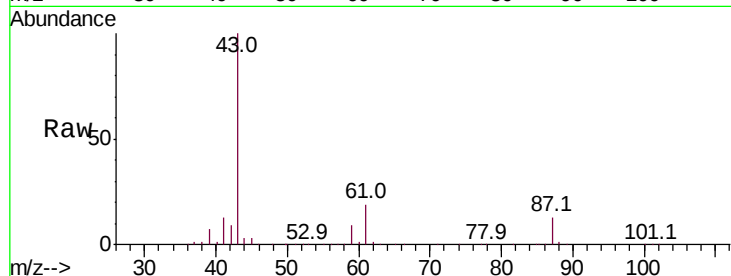
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	724068
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.5	23.3
87	12.9	10.0	15.0

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#44

Trichloroethene

Concen: 160.092 ug/l

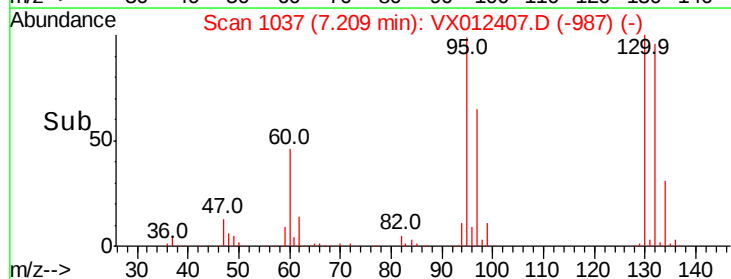
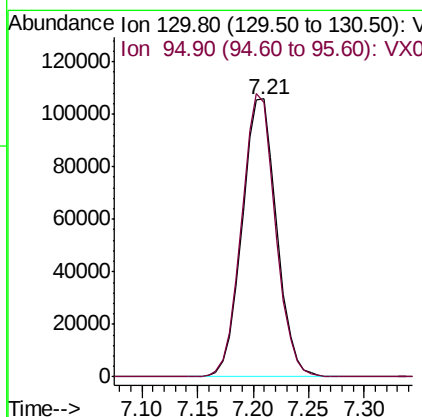
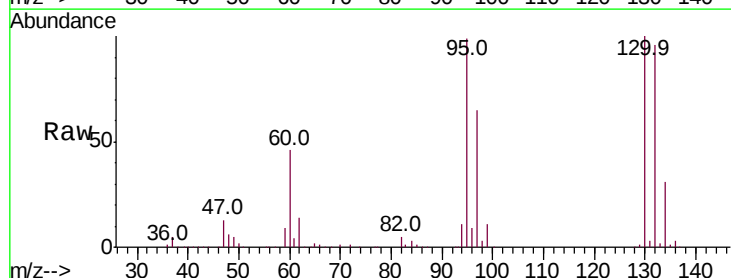
RT: 7.21 min Scan# 1037

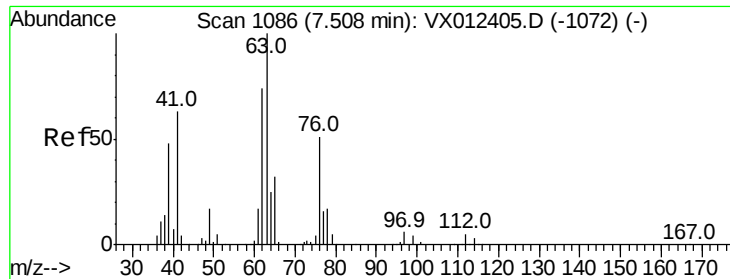
Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Tgt Ion:	130	Resp:	228184
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	203.2





#45

1,2-Dichloropropane

Concen: 204.212 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 251233

Ion Ratio Lower Upper

63 100

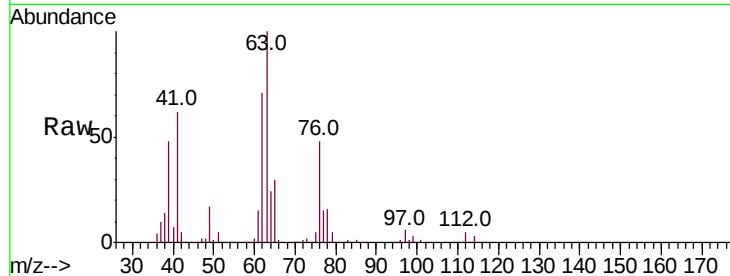
65 30.1 25.6 38.4

Manual Integrations

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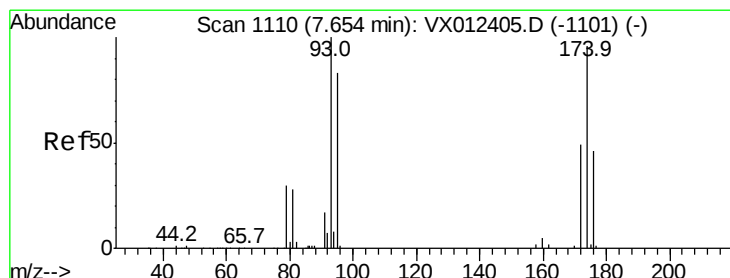
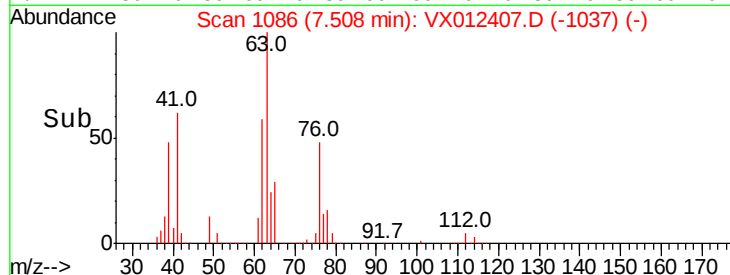
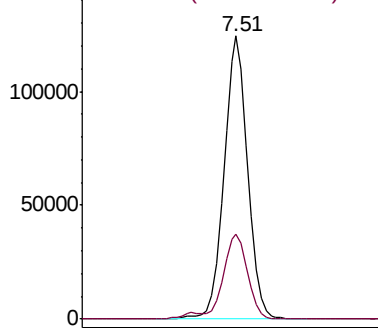
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 189.856 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

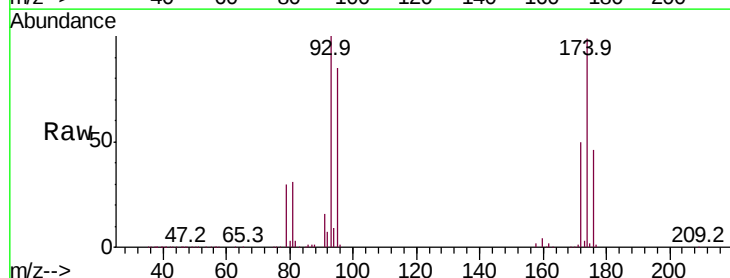
Tgt Ion: 93 Resp: 169367

Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.2

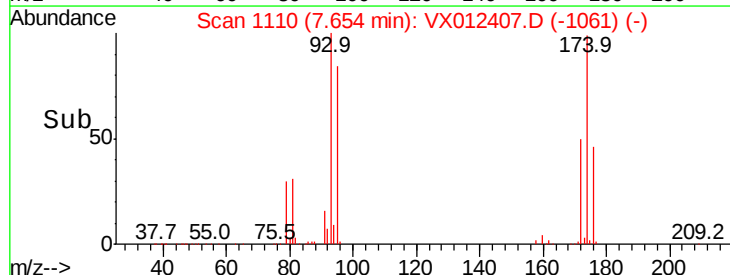
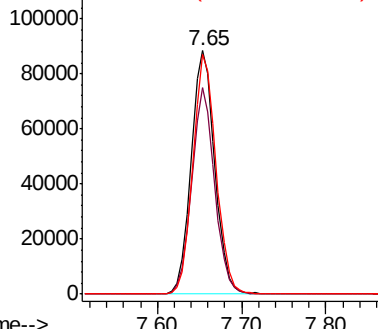
174 96.9 78.6 118.0

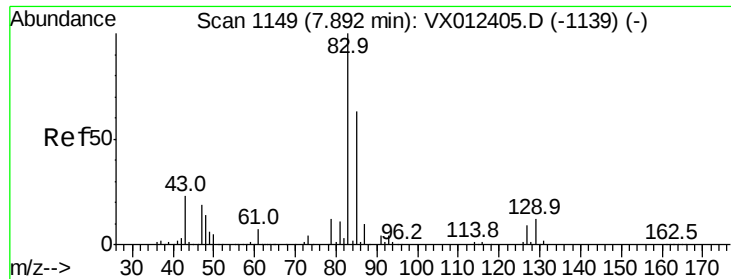


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 231.673 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

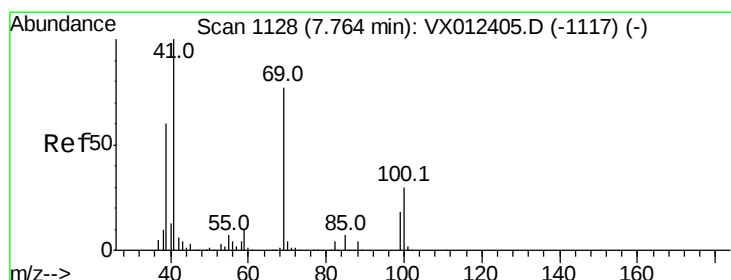
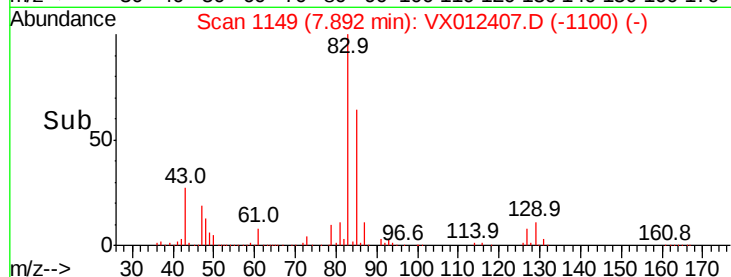
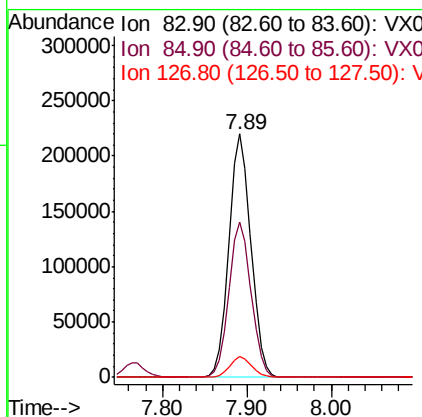
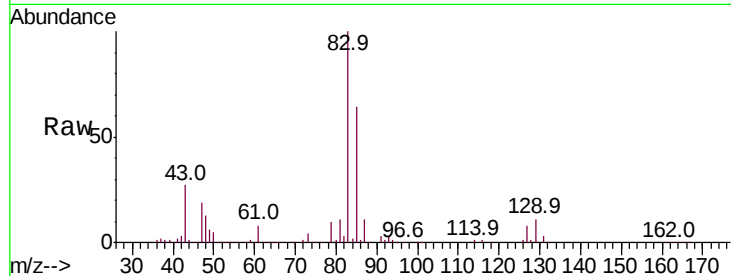
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	390885
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.2	75.4
127	8.5	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 249.512 ug/l

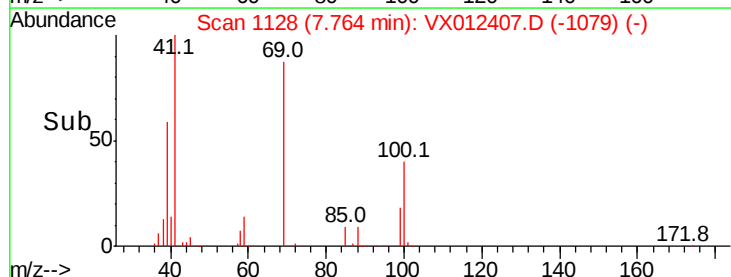
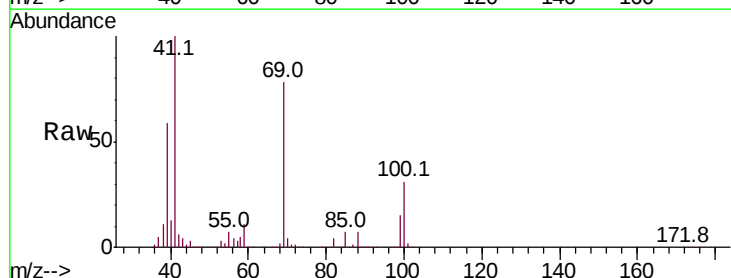
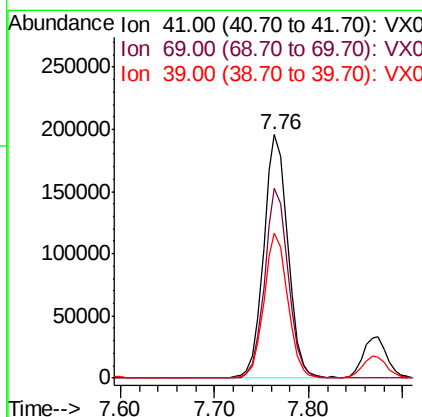
RT: 7.76 min Scan# 1128

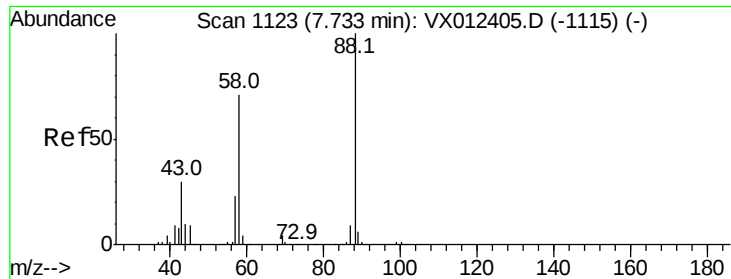
Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Tgt Ion:	41	Resp:	352051
Ion Ratio	Lower	Upper	
41	100		
69	76.8	61.6	92.4
39	58.8	47.6	71.4





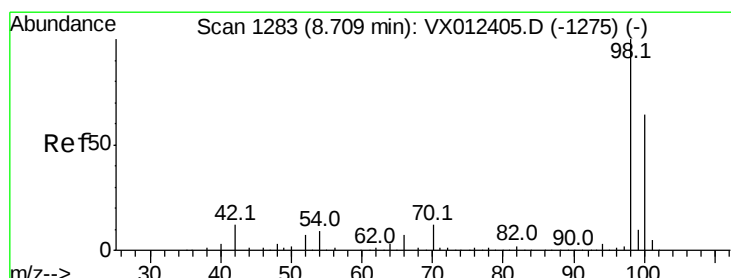
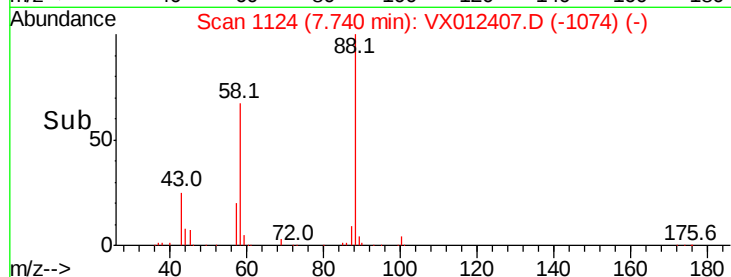
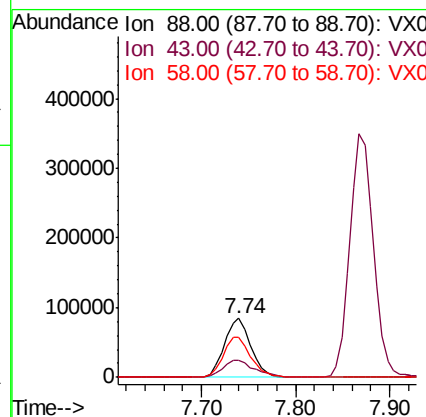
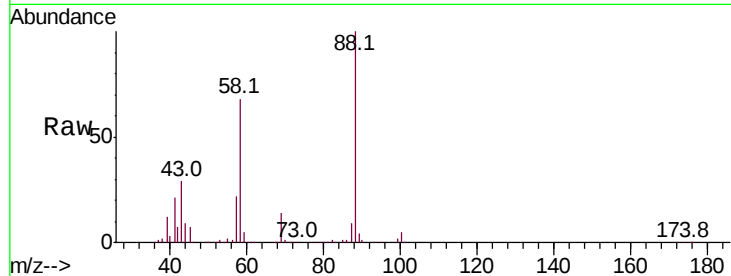
#49
1,4-Dioxane
Concen: 4293.753 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	26.6	39.8
58	71.2	57.1	85.7

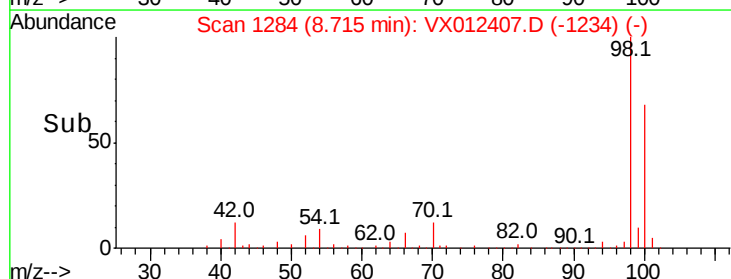
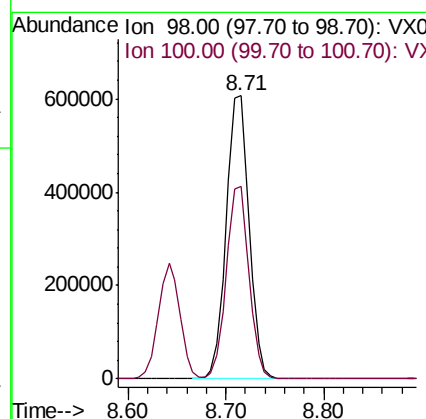
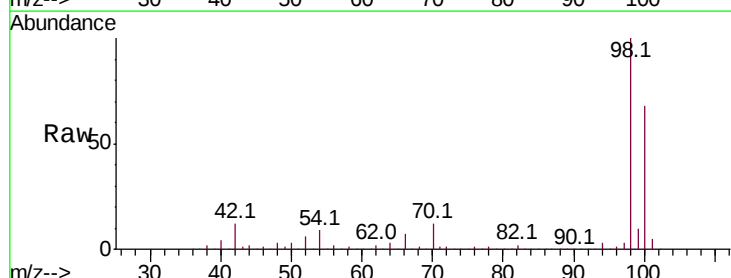
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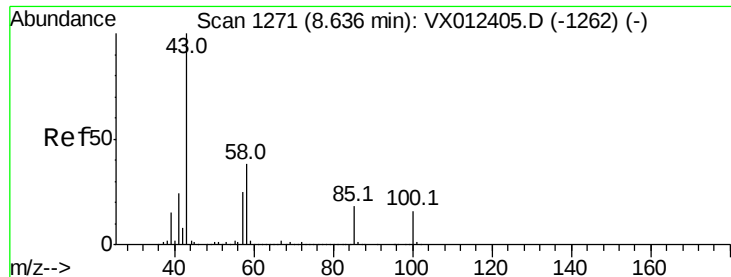
MMDadoda
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#50
Toluene-d8
Concen: 211.318 ug/l
RT: 8.71 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 1243.925 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2365381

Ion Ratio Lower Upper

43 100

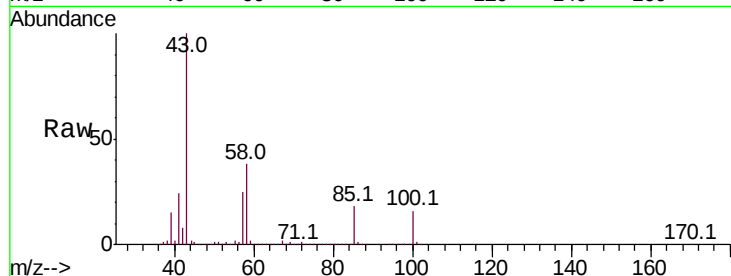
58 38.4 30.2 45.4

Manual Integrations

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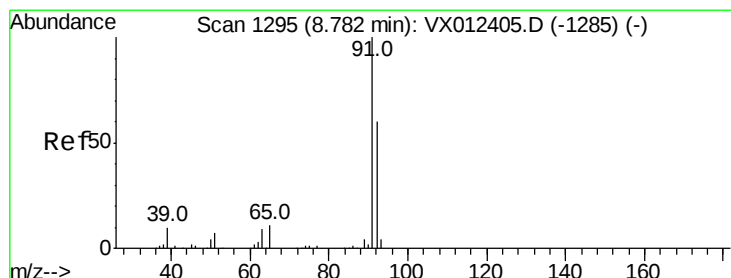
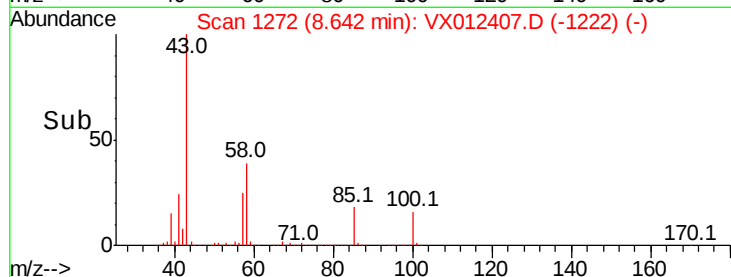
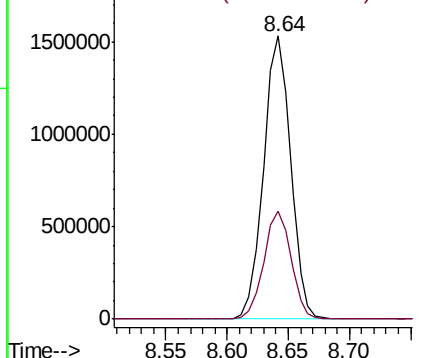
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 180.139 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012407.D

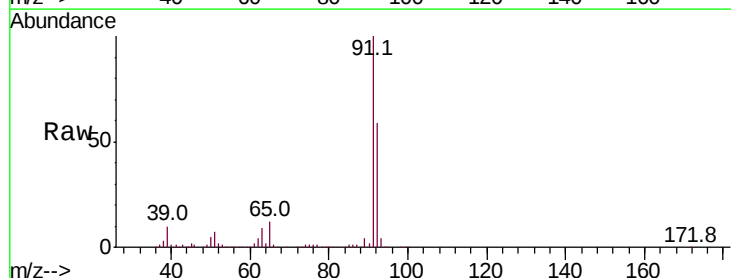
Acq: 16 Sep 2019 14:21

Tgt Ion: 92 Resp: 553504

Ion Ratio Lower Upper

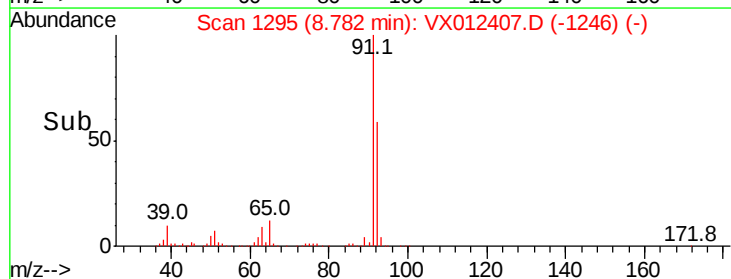
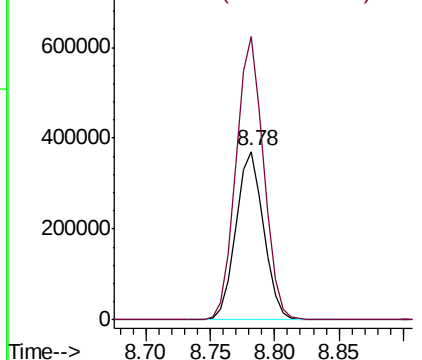
92 100

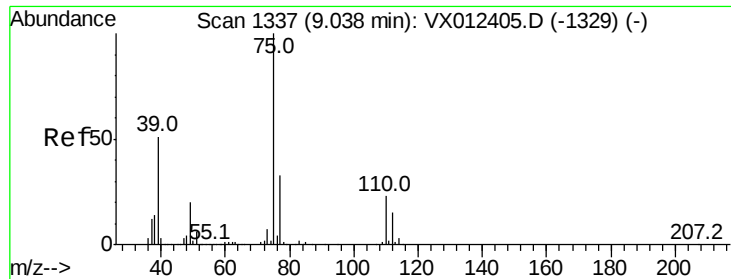
91 167.8 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





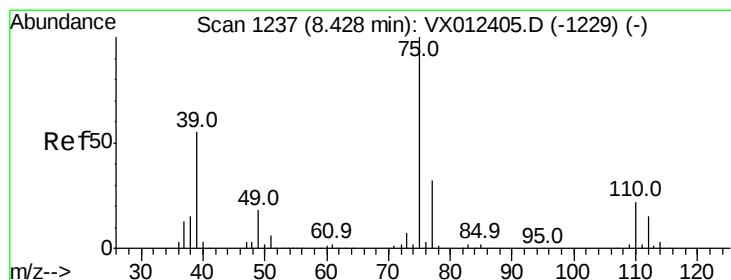
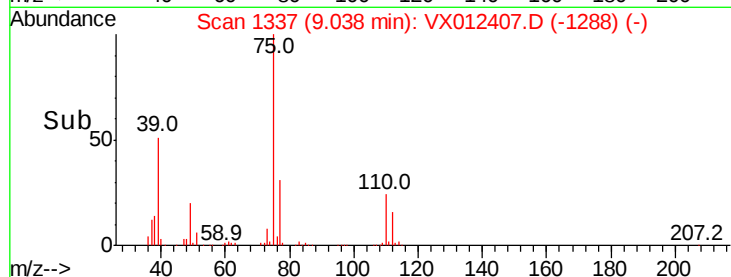
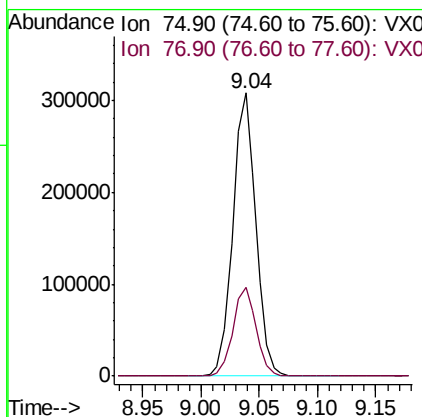
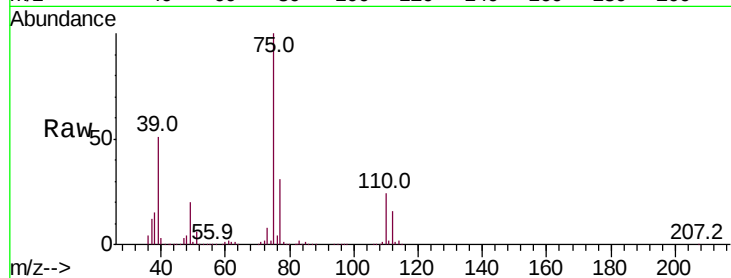
#53
 t-1,3-Dichloropropene
 Concen: 239.798 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 422823
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.1 39.1

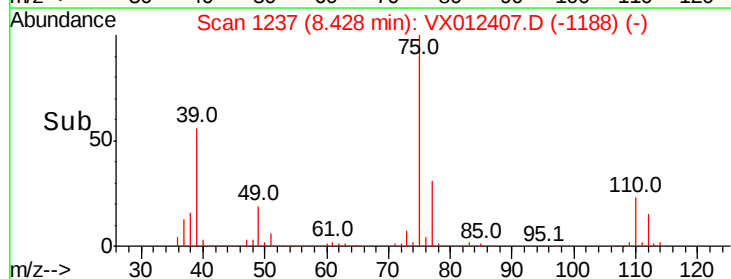
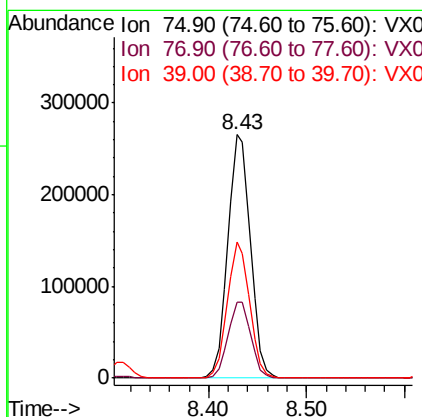
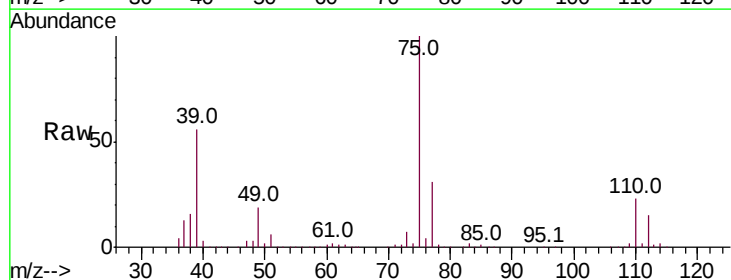
Manual Integrations
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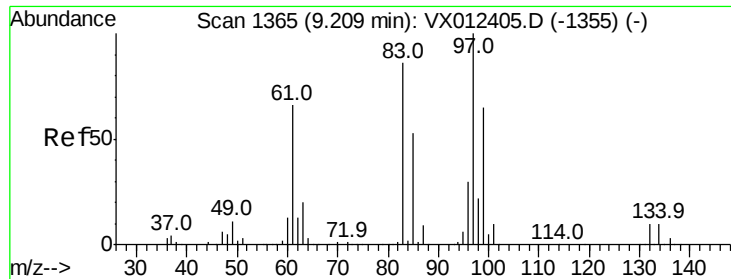
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#54
 cis-1,3-Dichloropropene
 Concen: 224.047 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion: 75 Resp: 425176
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.2 37.8
 39 55.8 43.8 65.8





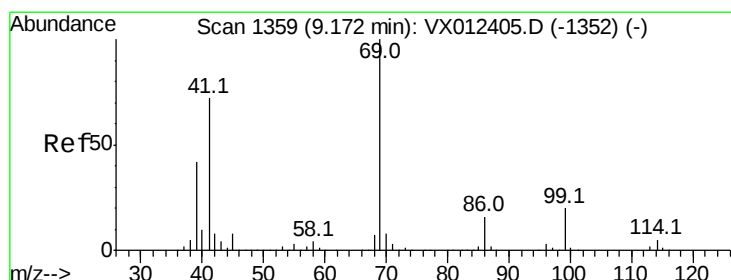
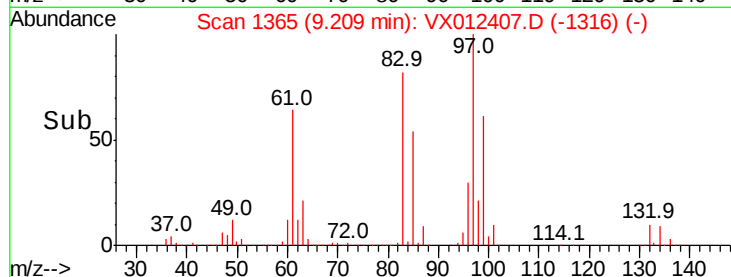
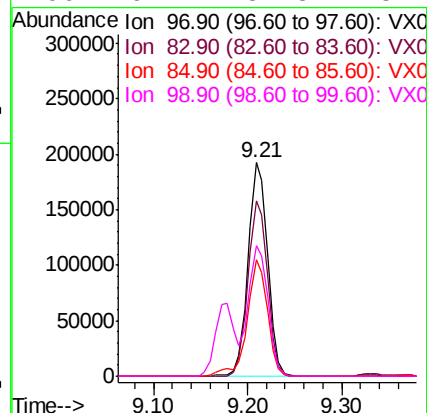
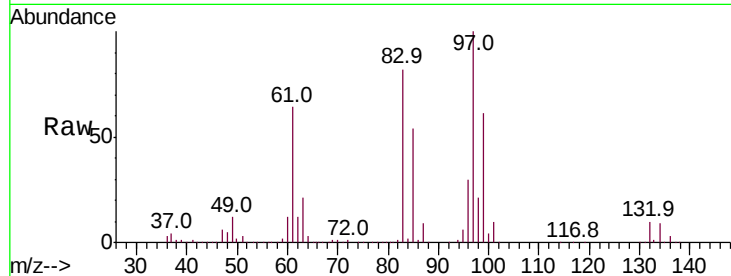
#55
 1,1,2-Trichloroethane
 Concen: 209.249 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.3	68.5	102.7	
85	54.3	42.6	64.0	
99	61.4	52.5	78.7	

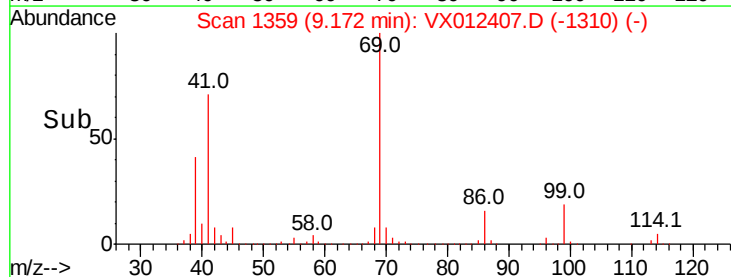
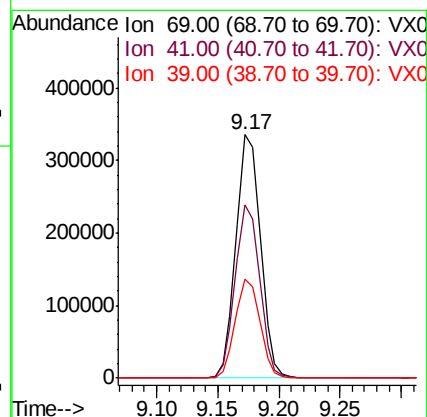
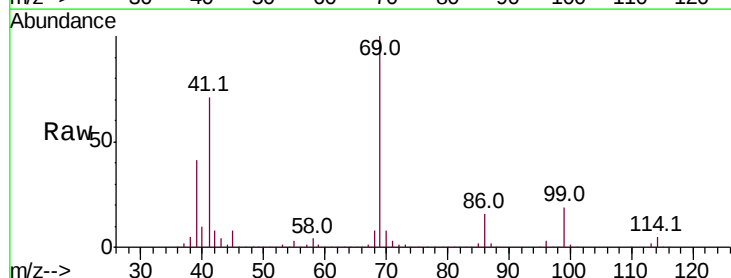
Manual Integrations
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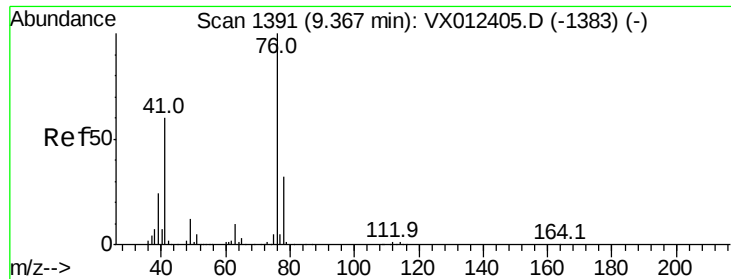
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#56
 Ethyl methacrylate
 Concen: 243.532 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	70.9	57.0	85.6	
39	40.8	32.6	49.0	





#57

1,3-Dichloropropane

Concen: 205.882 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 446735

Ion Ratio Lower Upper

76 100

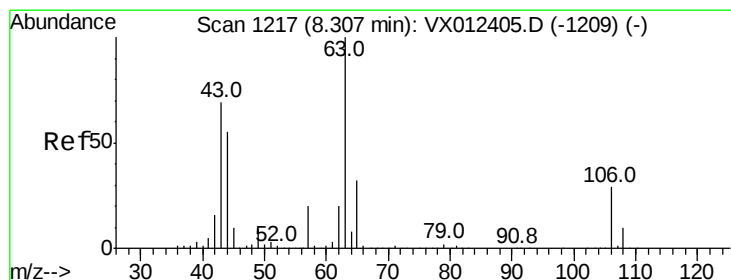
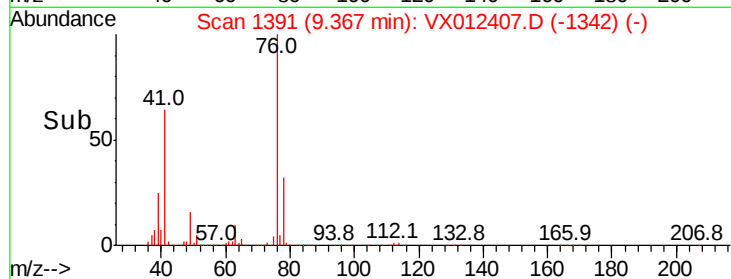
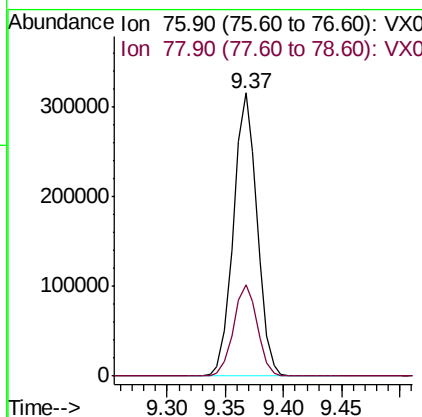
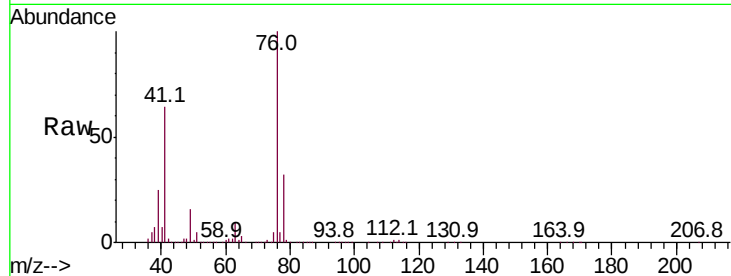
78 32.5 25.9 38.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 1179.949 ug/l

RT: 8.31 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VX012407.D

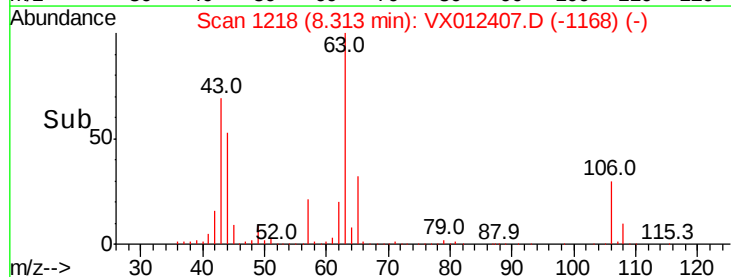
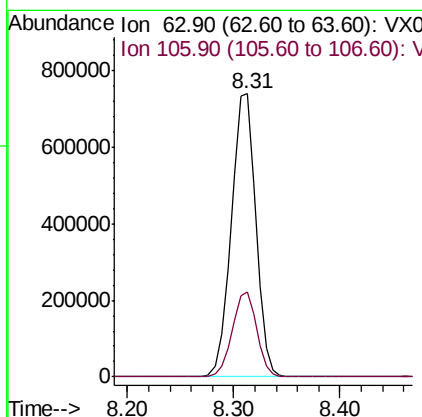
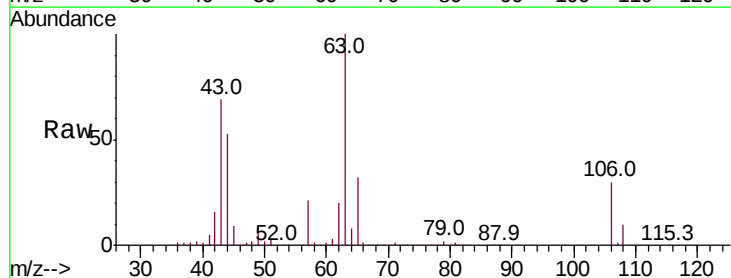
Acq: 16 Sep 2019 14:21

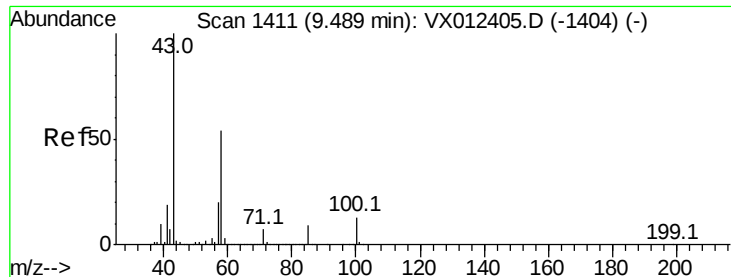
Tgt Ion: 63 Resp: 1198053

Ion Ratio Lower Upper

63 100

106 29.7 23.8 35.8





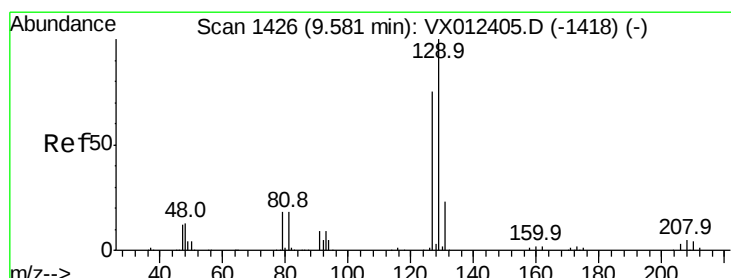
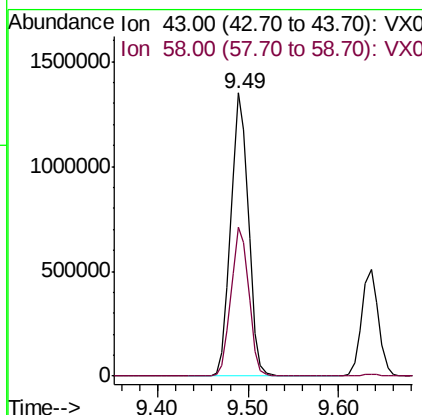
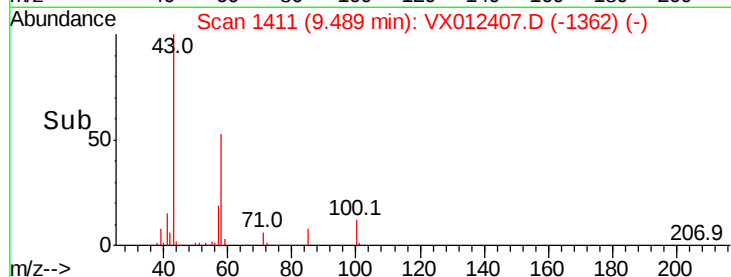
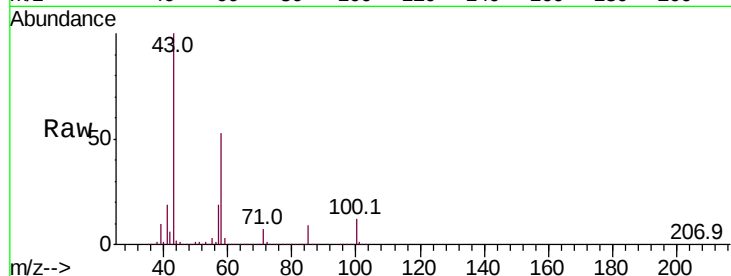
#59
2-Hexanone
Concen: 1253.677 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1823003
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0

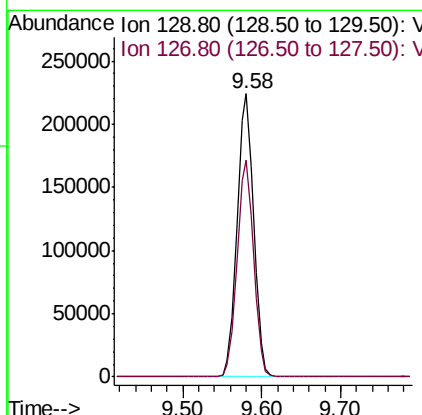
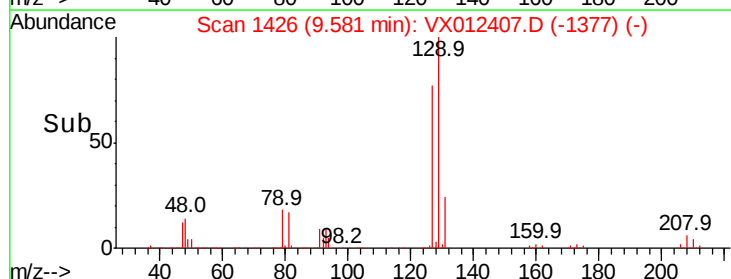
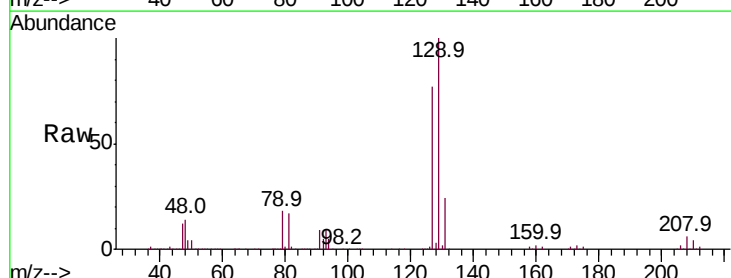
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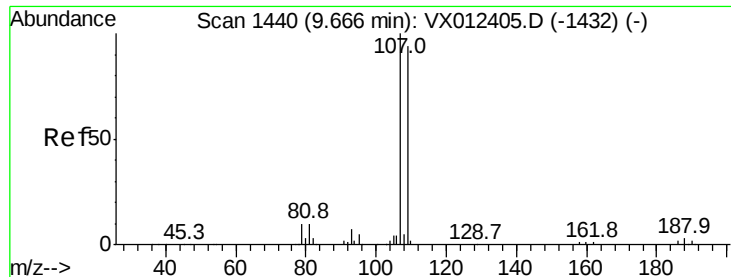
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#60
Dibromochloromethane
Concen: 227.136 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 129 Resp: 327313
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 196.879 ug/l

RT: 9.67 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 272856

Ion Ratio Lower Upper

107 100

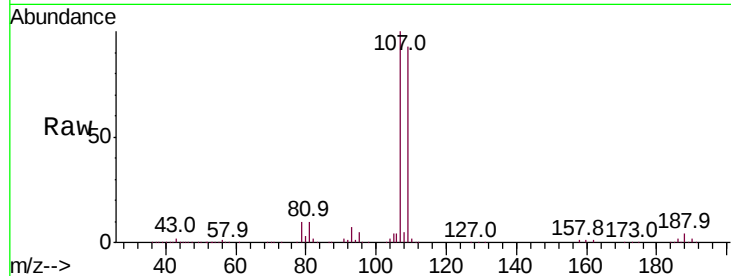
109 93.4 75.1 112.7

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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

200000

150000

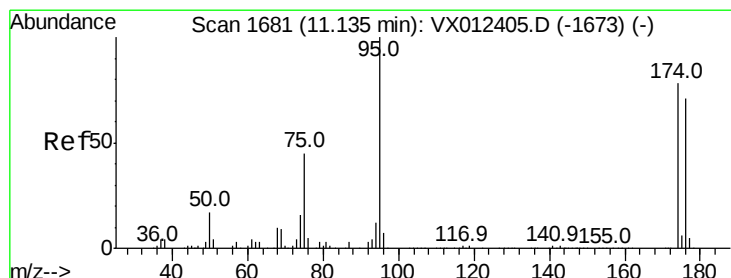
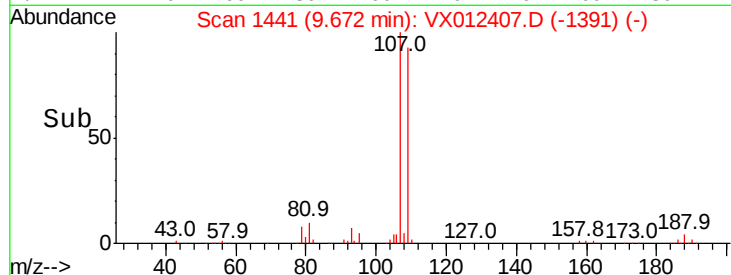
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 226.372 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

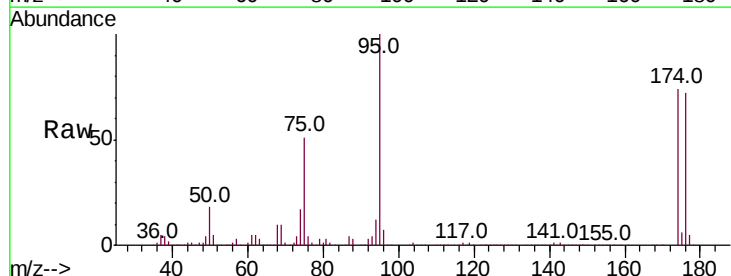
Tgt Ion: 95 Resp: 423816

Ion Ratio Lower Upper

95 100

174 71.9 0.0 146.0

176 69.5 0.0 137.6



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

11.14

400000

300000

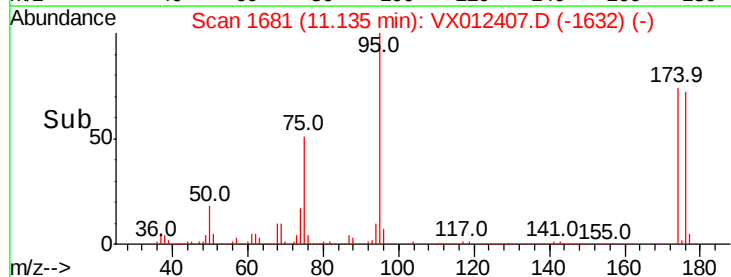
200000

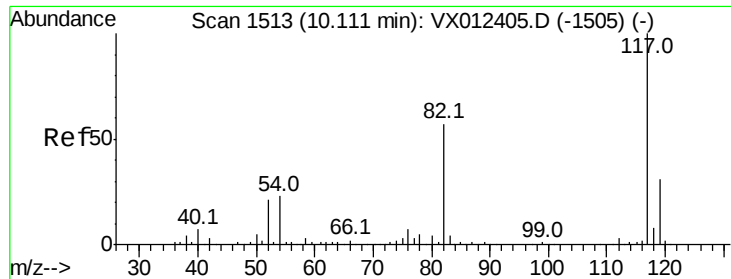
100000

0

11.10 11.20

Time-->





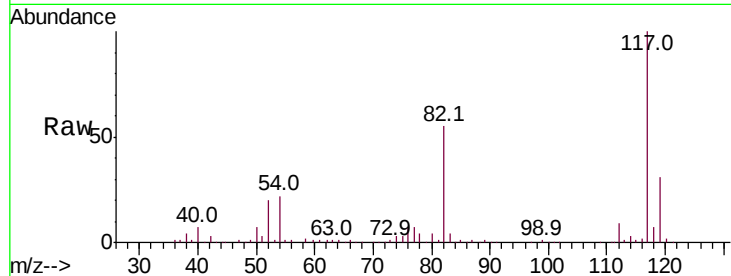
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	184356		
82	54.8	45.8	68.6	
119	31.4	24.9	37.3	

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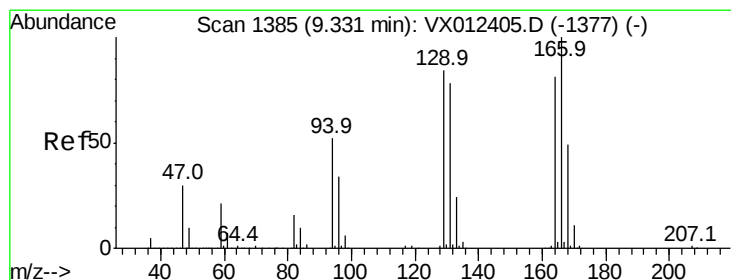
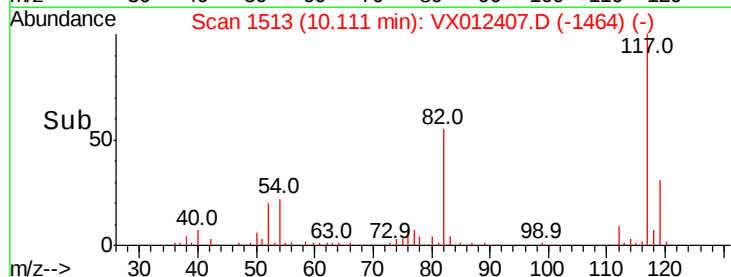
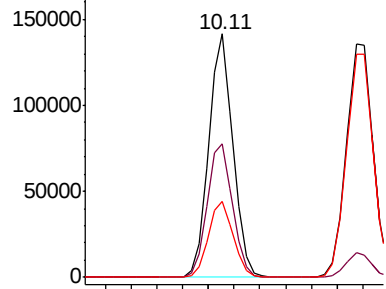


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 126.138 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	179902		
166	132.6	98.2	147.4	
129	100.2	82.6	123.8	
131	97.0	76.7	115.1	

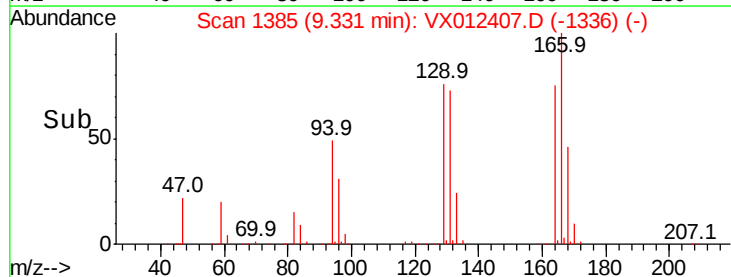
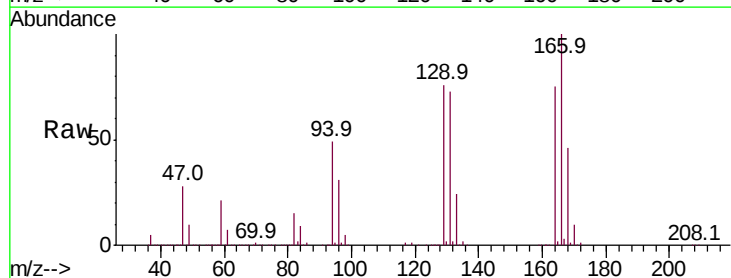
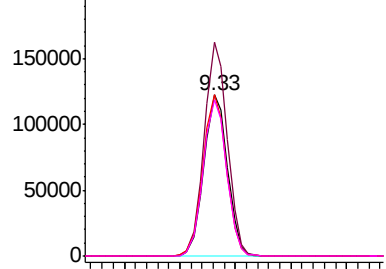
Abundance

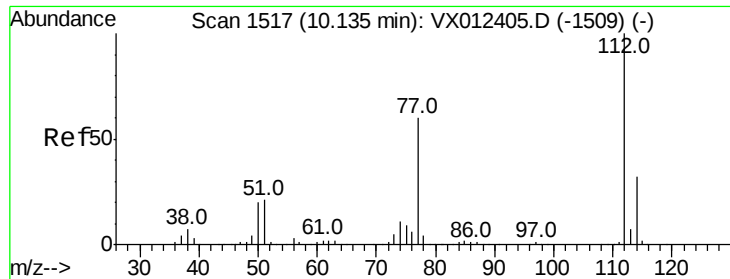
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 176.984 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 667667

Ion Ratio Lower Upper

112 100

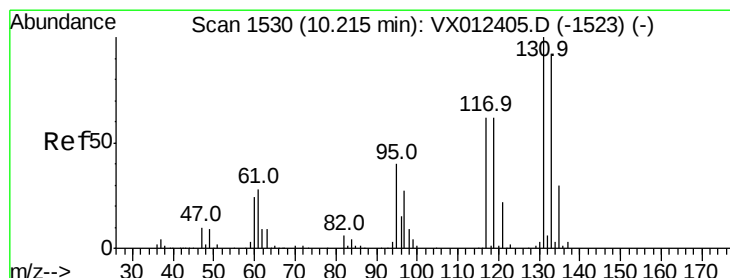
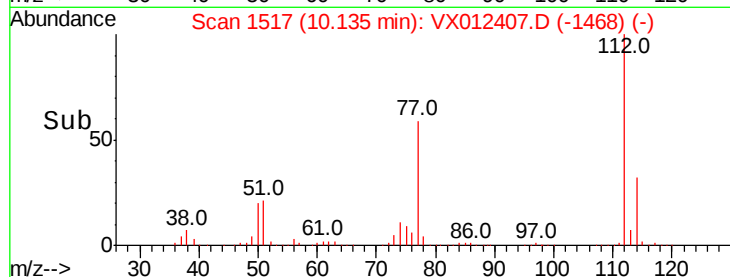
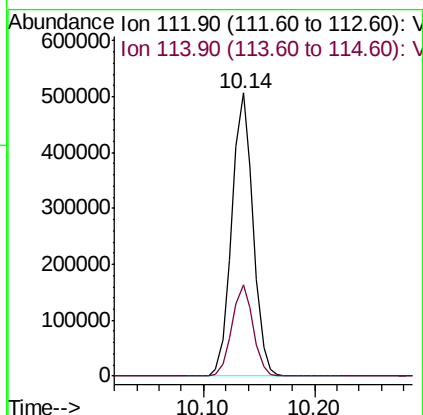
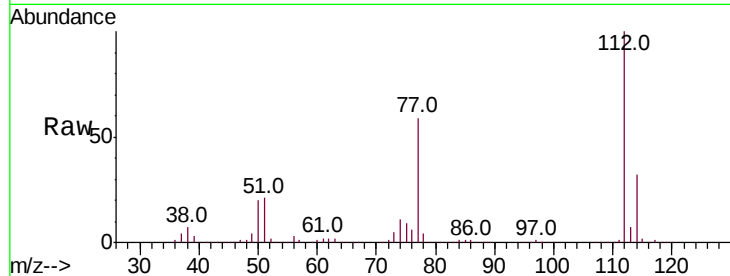
114 32.1 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 203.225 ug/l

RT: 10.22 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

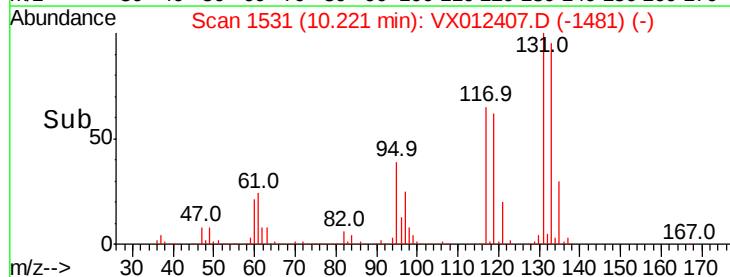
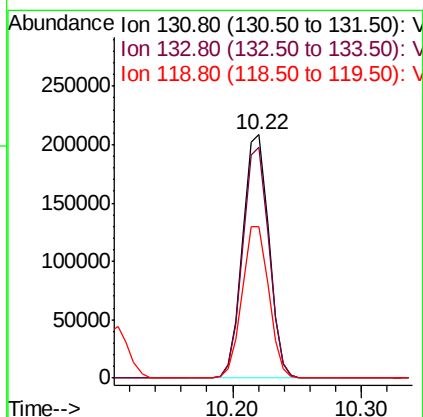
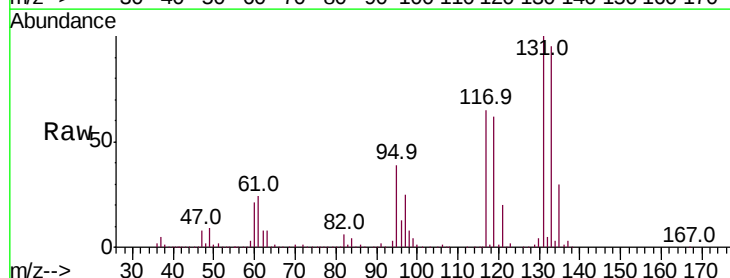
Tgt Ion:131 Resp: 293586

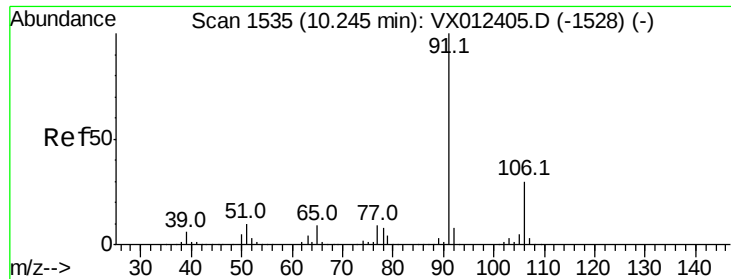
Ion Ratio Lower Upper

131 100

133 95.0 48.4 145.0

119 63.2 31.6 94.7





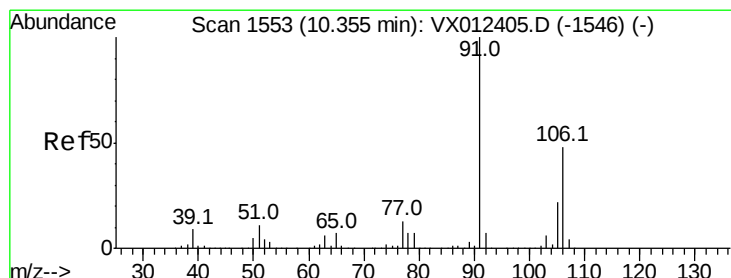
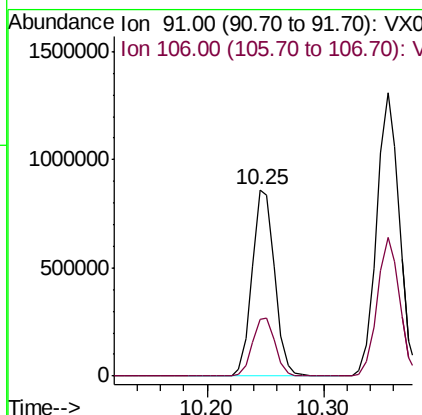
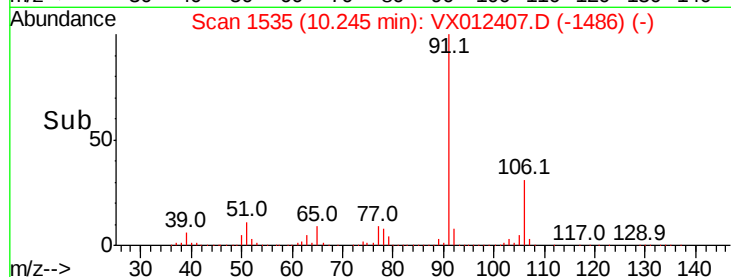
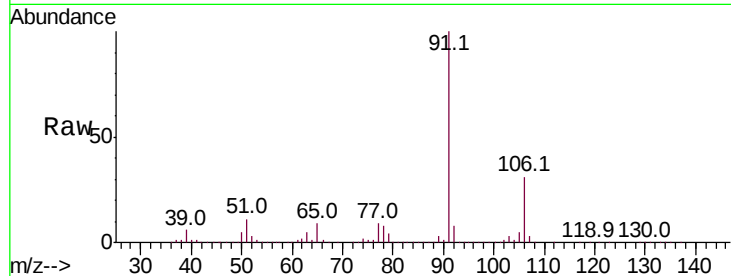
#67
Ethyl Benzene
Concen: 185.229 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1163903
Ion Ratio Lower Upper
91 100
106 30.8 24.0 36.0

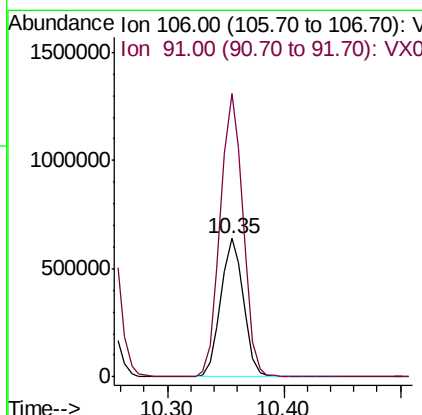
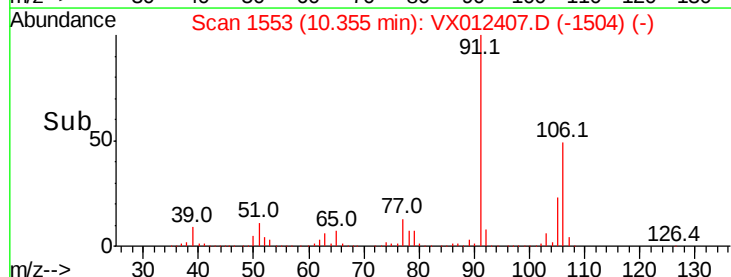
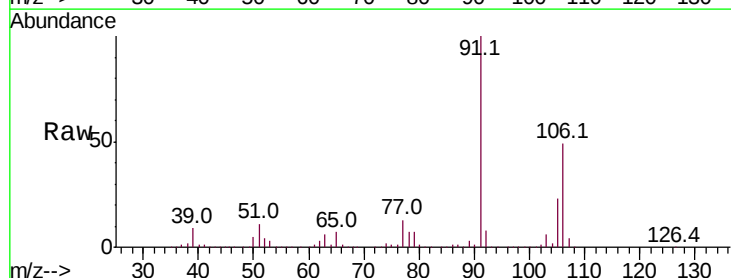
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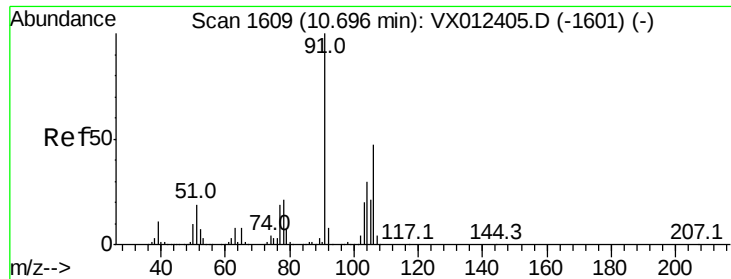
MMDadoda
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#68
m/p-Xylenes
Concen: 359.241 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 106 Resp: 859665
Ion Ratio Lower Upper
106 100
91 205.7 167.4 251.0





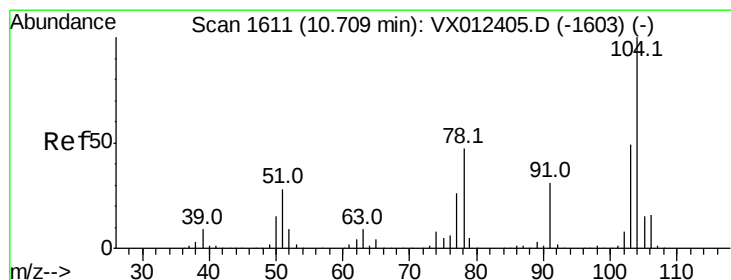
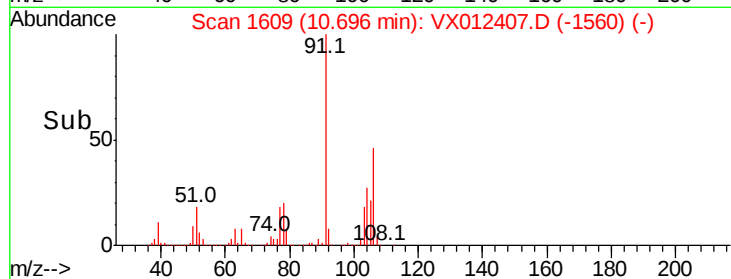
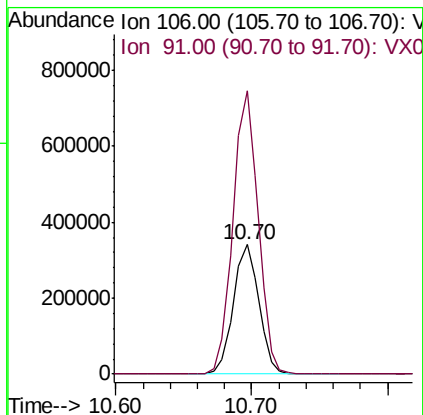
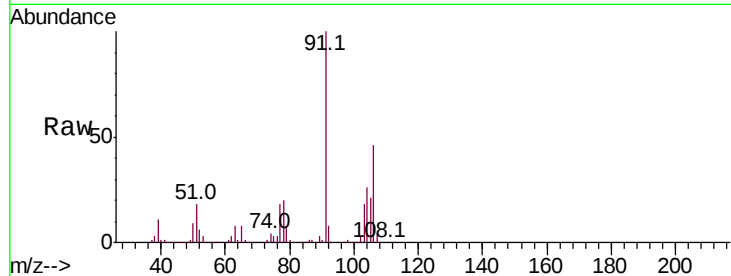
#69
o-Xylene
Concen: 186.727 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 444360
Ion Ratio Lower Upper
106 100
91 216.3 107.8 323.6

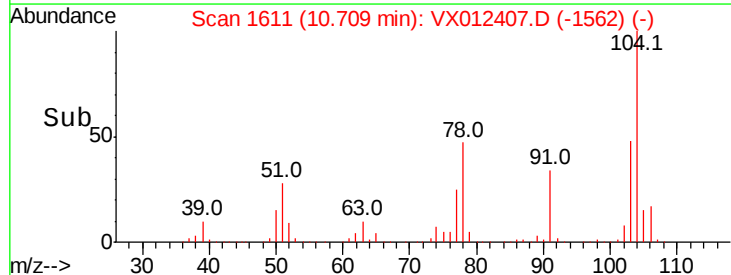
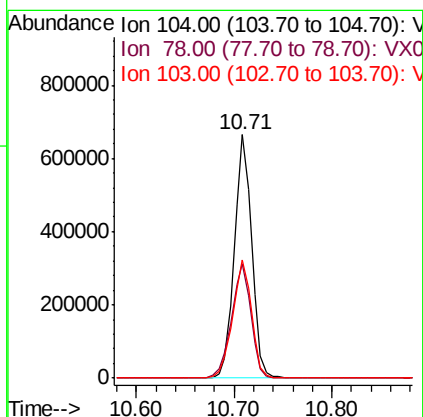
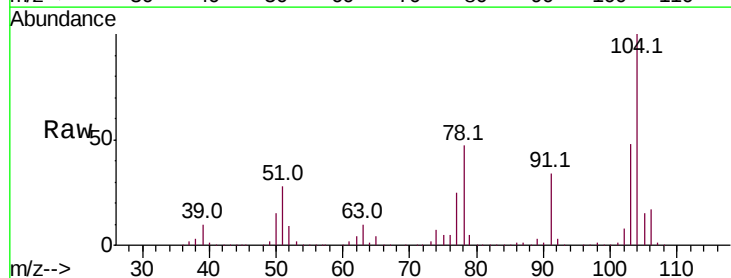
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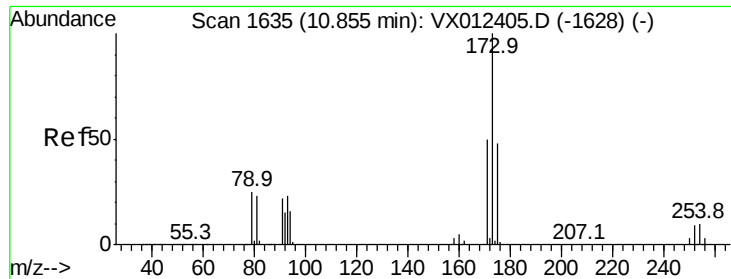
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#70
Styrene
Concen: 202.979 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion:104 Resp: 818138
Ion Ratio Lower Upper
104 100
78 52.8 42.3 63.5
103 52.9 42.9 64.3





#71

Bromoform

Concen: 204.640 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 249525

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

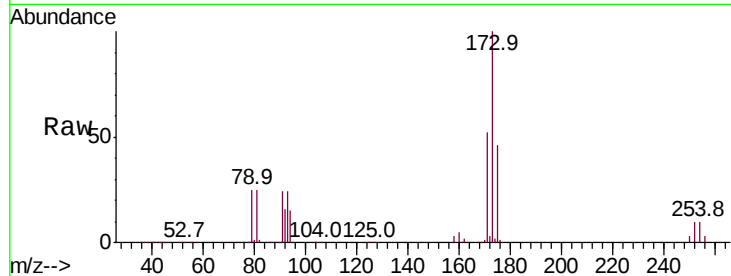
254 0.1 0.1 0.1

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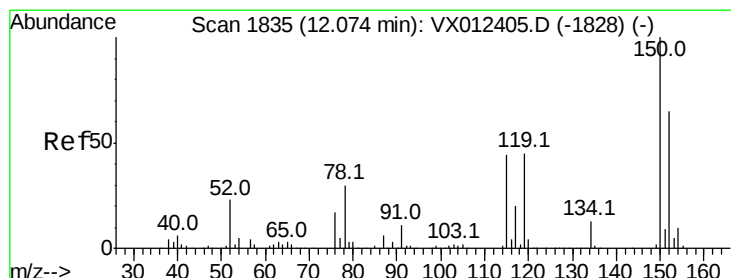
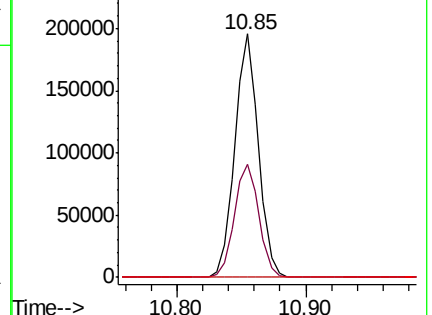
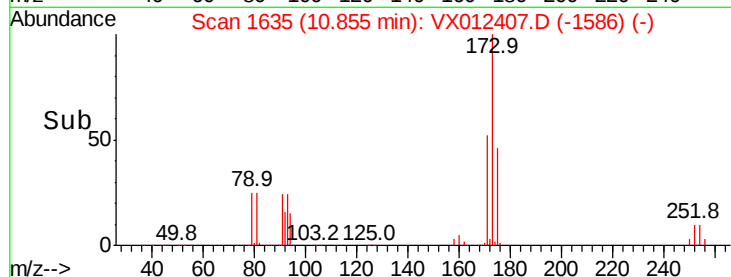
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

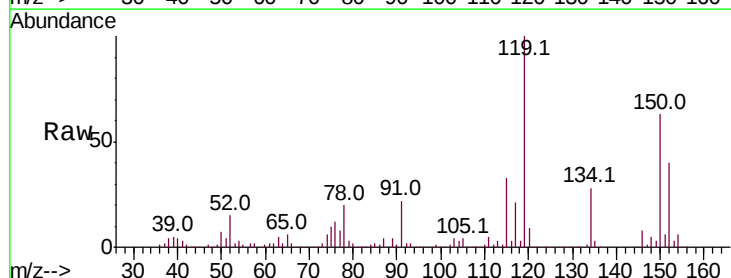
Tgt Ion:152 Resp: 115211

Ion Ratio Lower Upper

152 100

115 140.8 45.3 135.9#

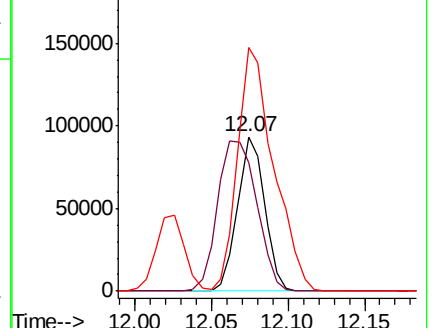
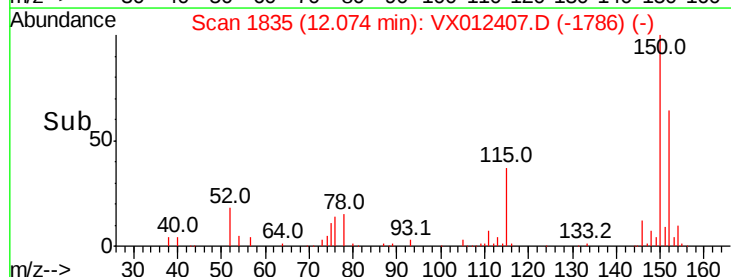
150 210.8 0.0 354.0

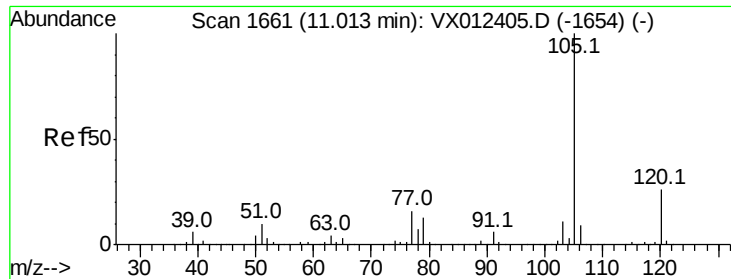


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





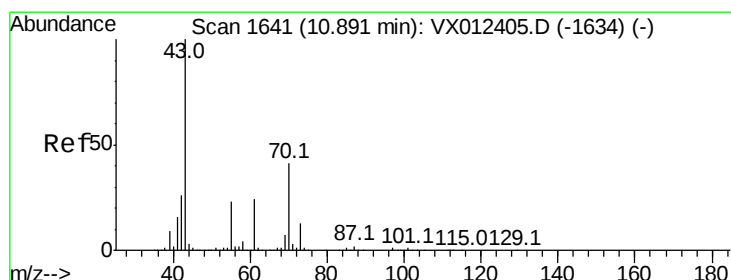
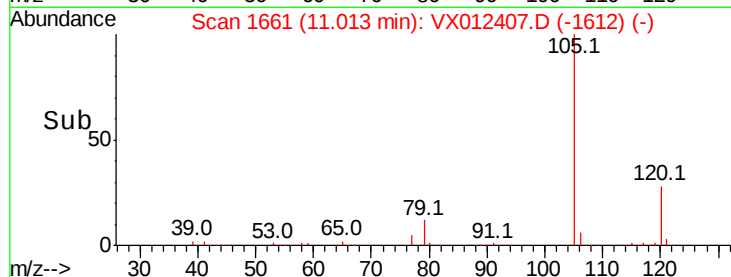
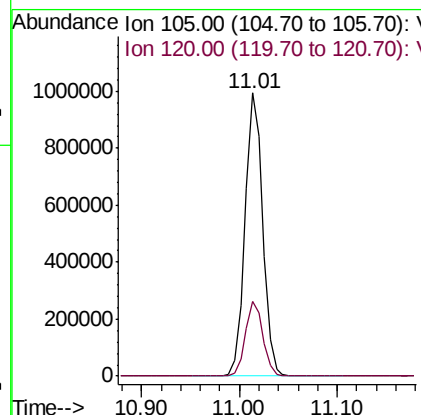
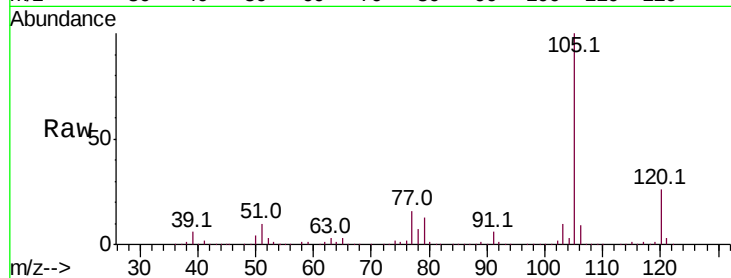
#73
Isopropylbenzene
Concen: 171.908 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1240938
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.6

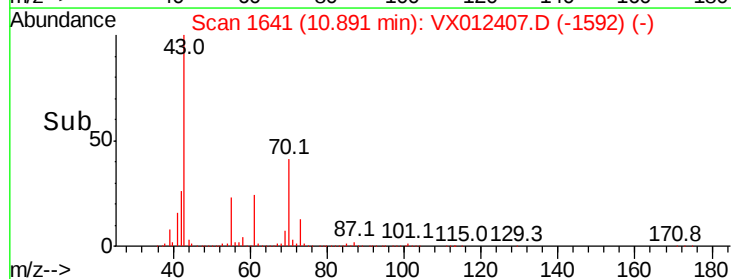
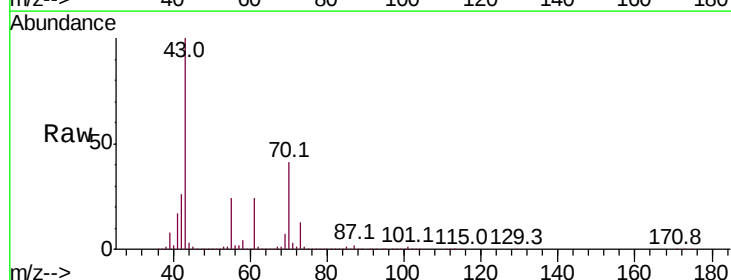
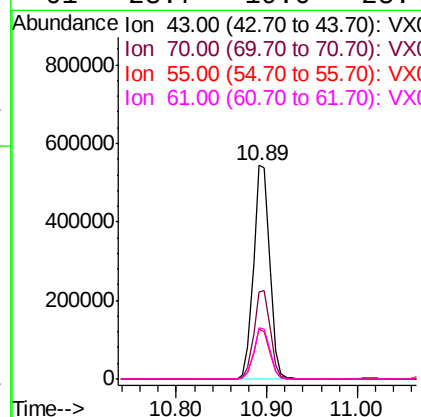
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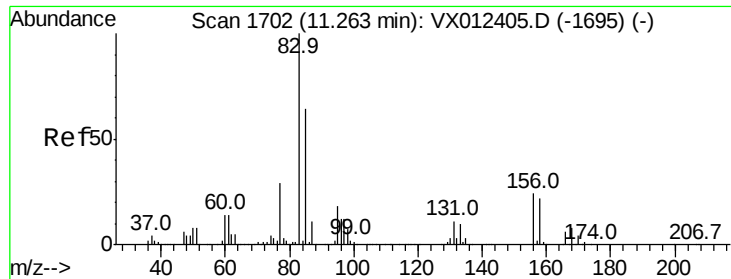
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#74
N-ethyl acetate
Concen: 224.111 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 43 Resp: 673097
Ion Ratio Lower Upper
43 100
70 41.6 32.7 49.1
55 23.1 18.9 28.3
61 23.7 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 194.099 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 484236

Ion Ratio Lower Upper

83 100

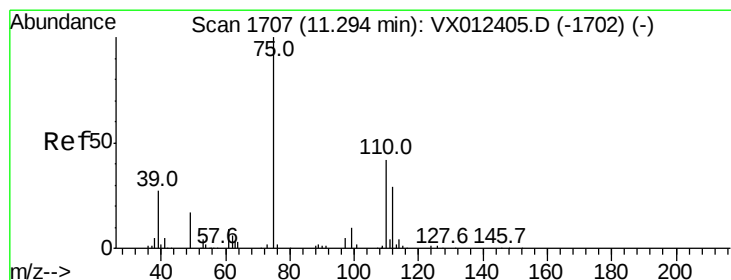
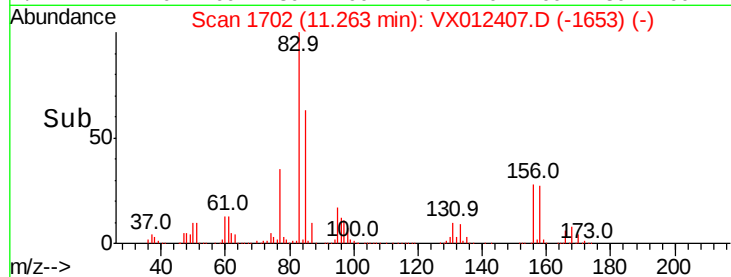
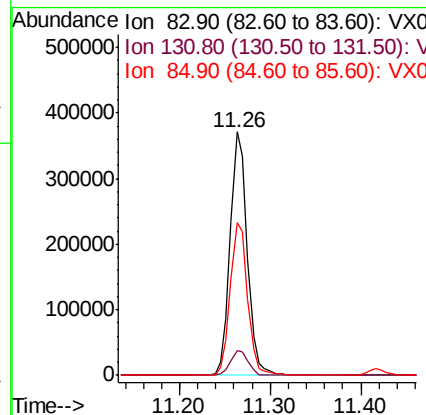
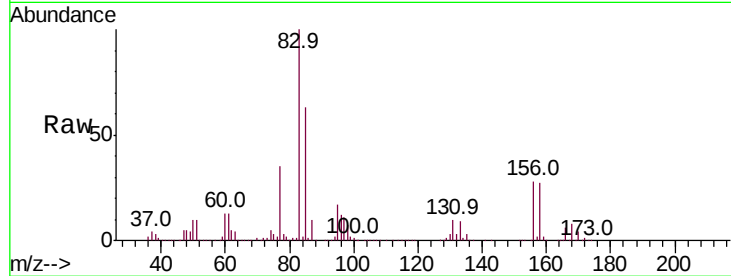
131 10.5 5.5 16.4

85 64.2 32.9 98.7

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#76

1,2,3-Trichloropropane

Concen: 199.213 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012407.D

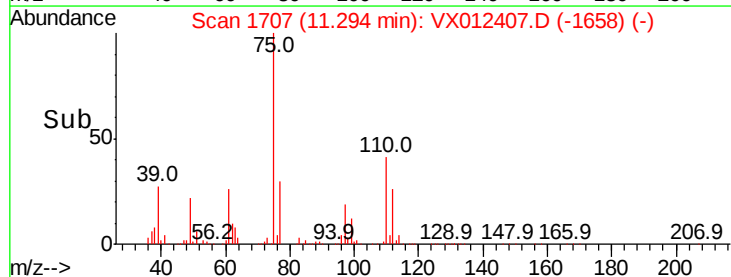
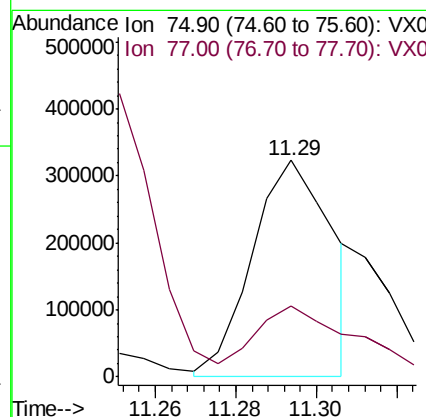
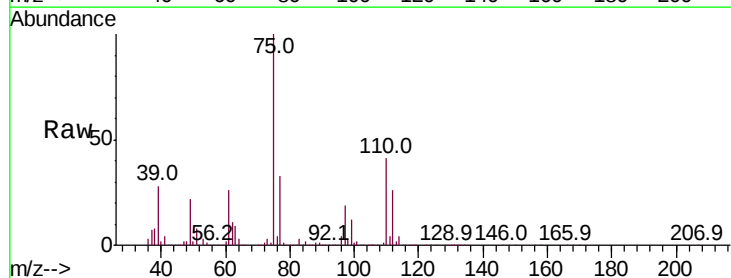
Acq: 16 Sep 2019 14:21

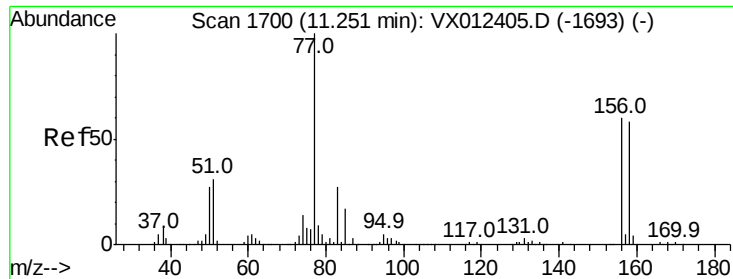
Tgt Ion: 75 Resp: 444270

Ion Ratio Lower Upper

75 100

77 41.7 19.4 58.2





#77

Bromobenzene

Concen: 151.865 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 315967

Ion Ratio Lower Upper

156 100

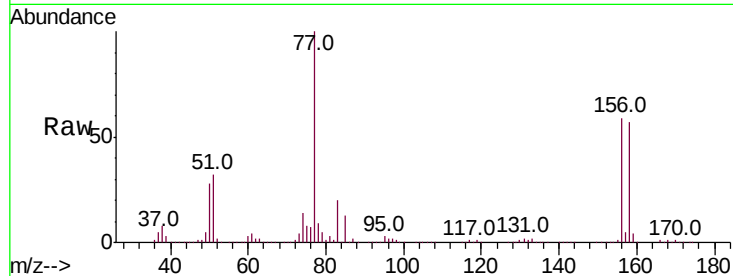
77 168.8 84.8 254.3

158 96.7 47.9 143.6

Manual Integrations
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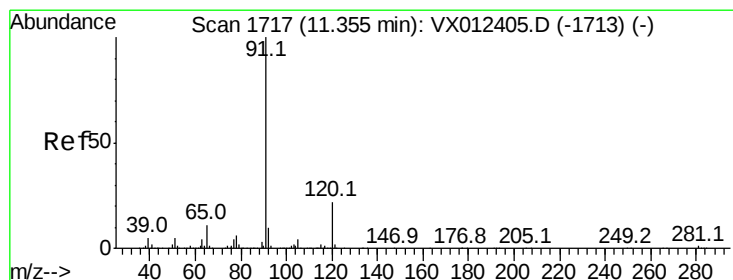
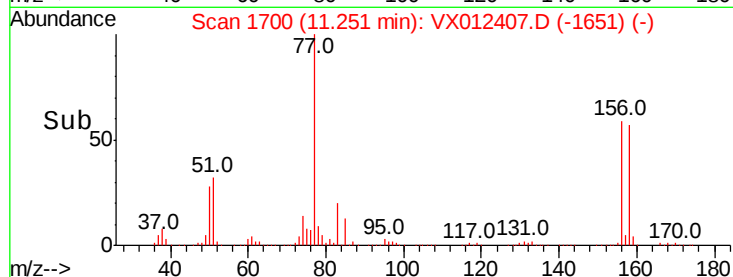
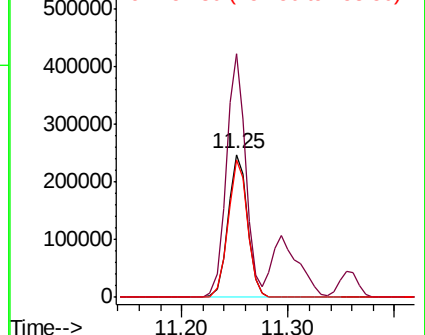
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 183.392 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012407.D

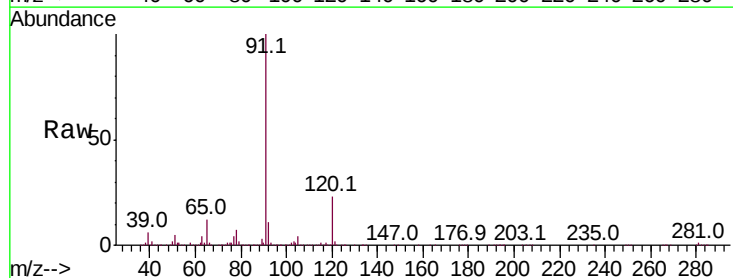
Acq: 16 Sep 2019 14:21

Tgt Ion: 91 Resp: 1424634

Ion Ratio Lower Upper

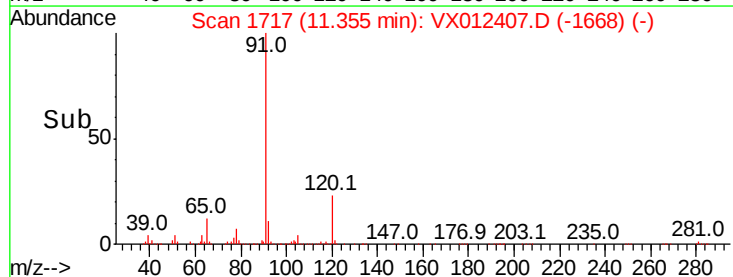
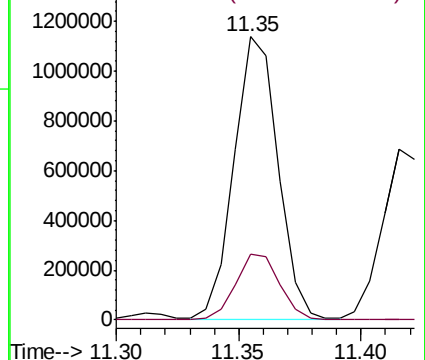
91 100

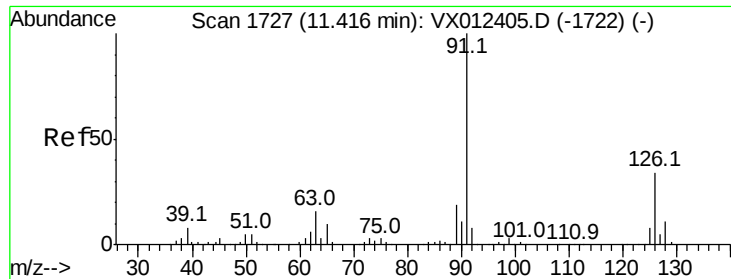
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





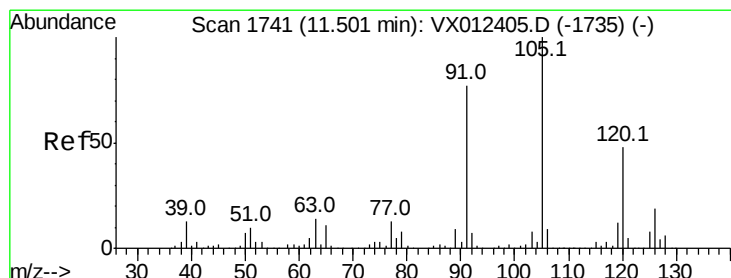
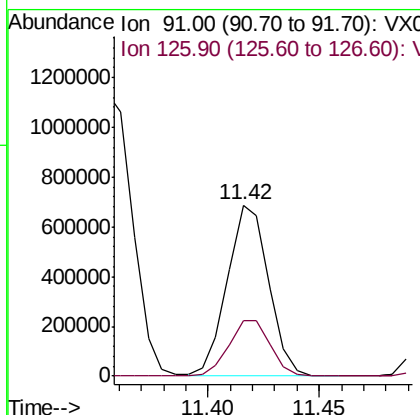
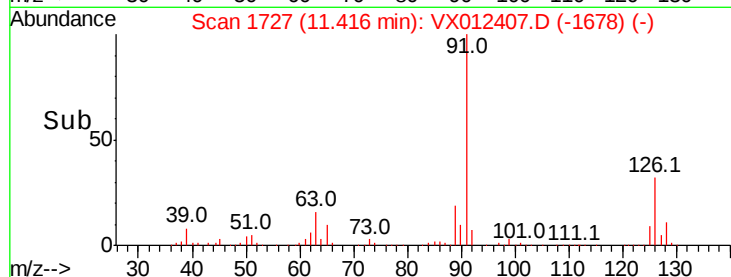
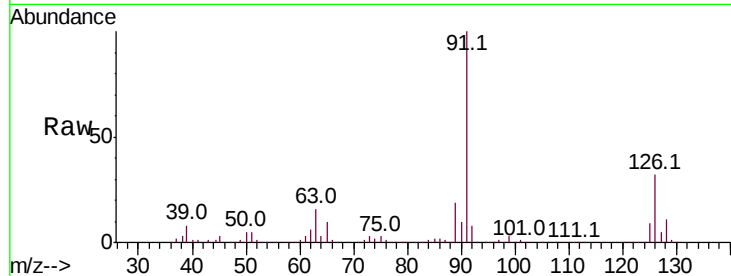
#79
 2-Chlorotoluene
 Concen: 182.664 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 890024
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.4 49.2

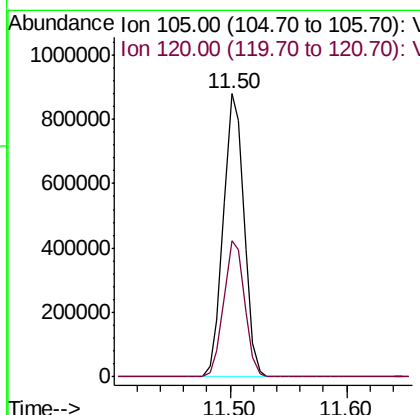
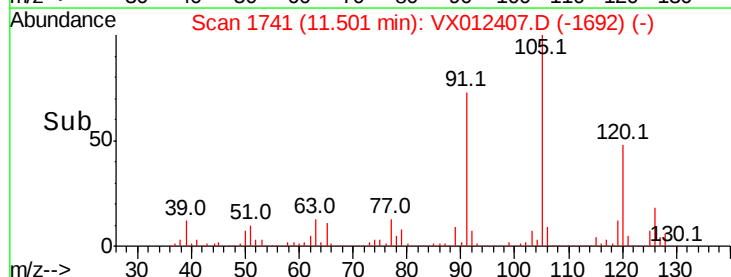
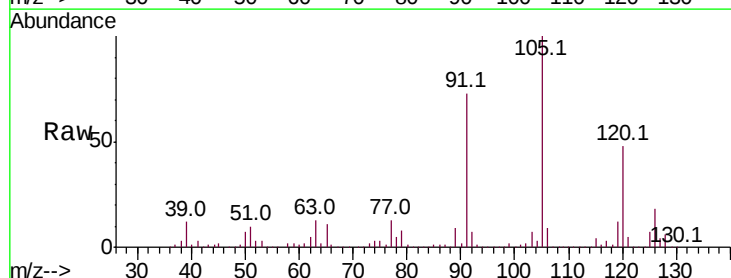
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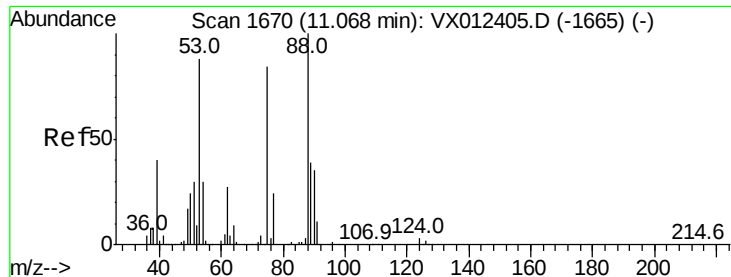
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#80
 1,3,5-Trimethylbenzene
 Concen: 178.268 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion: 105 Resp: 1079720
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 234.987 ug/l

RT: 11.07 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 175353

Ion Ratio Lower Upper

75 100

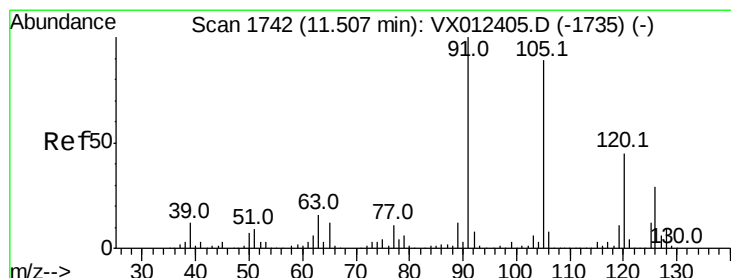
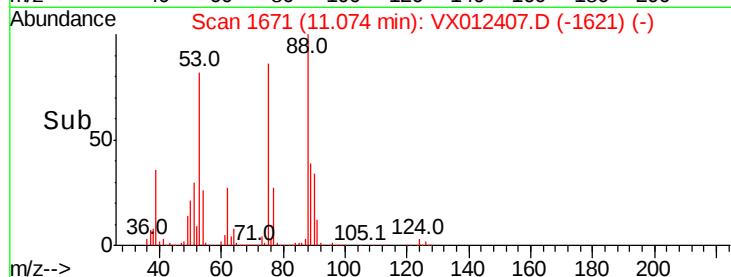
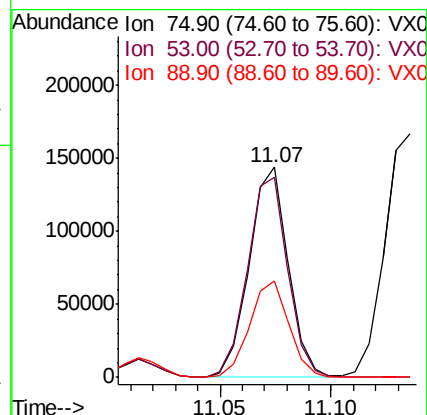
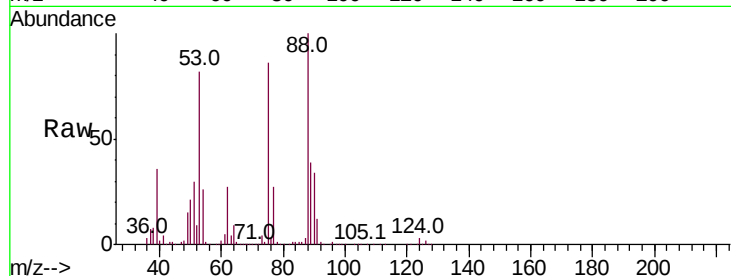
53 98.4 84.6 127.0

89 46.2 38.8 58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 185.665 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012407.D

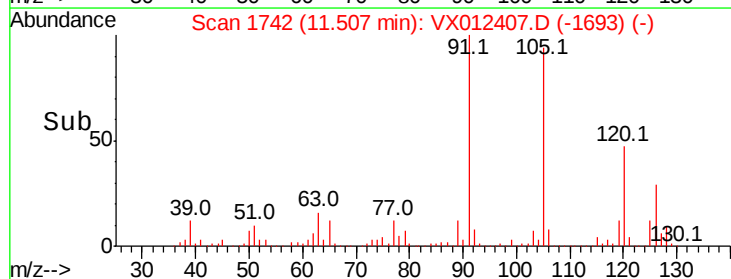
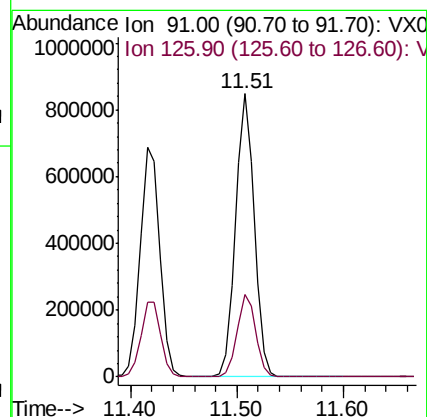
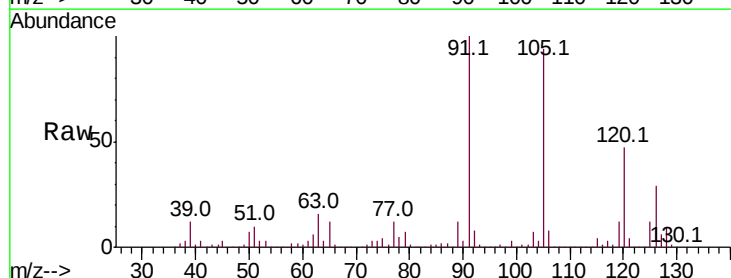
Acq: 16 Sep 2019 14:21

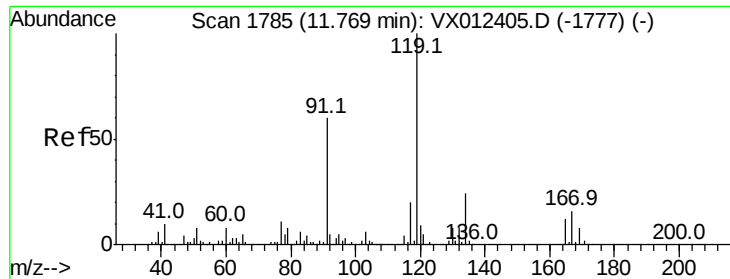
Tgt Ion: 91 Resp: 1047469

Ion Ratio Lower Upper

91 100

126 28.7 14.1 42.3





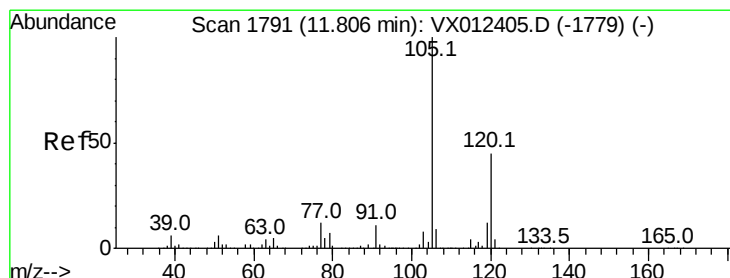
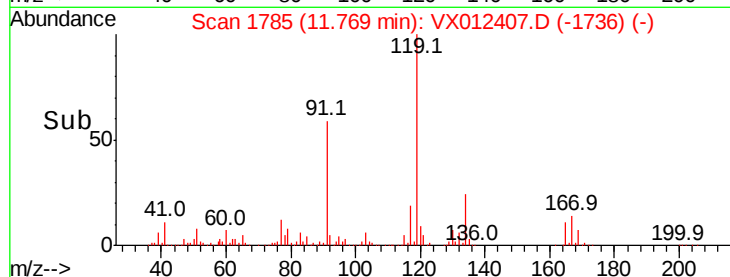
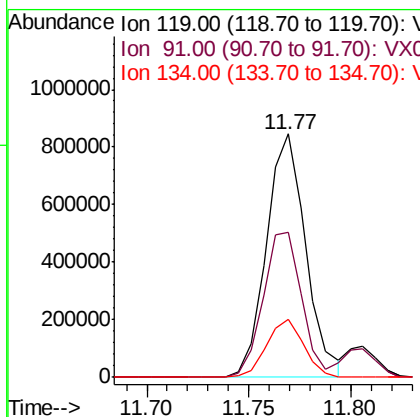
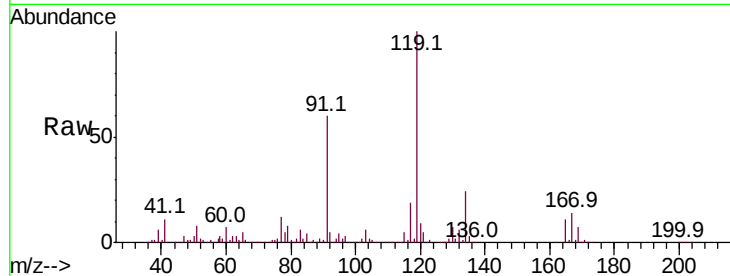
#83
tert-Butylbenzene
Concen: 187.971 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.6	88.8
134	22.7	11.4	34.1

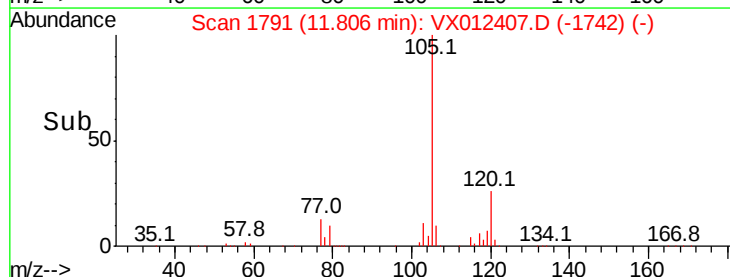
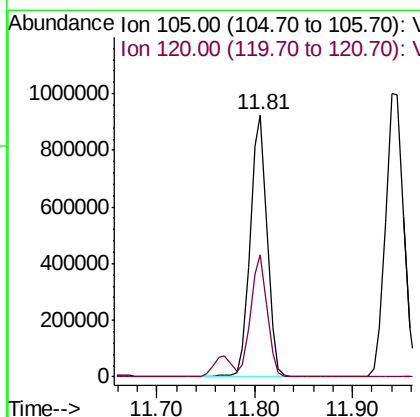
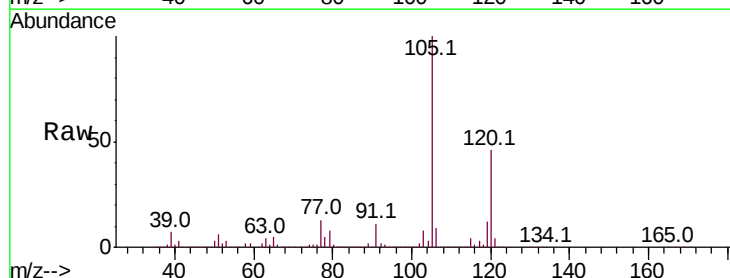
Manual Integrations
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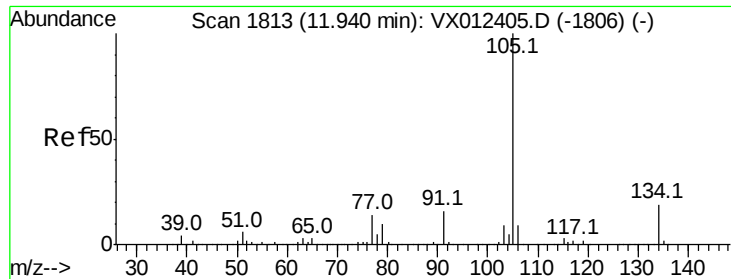
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#84
1,2,4-Trimethylbenzene
Concen: 180.419 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 185.782 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1285917

Ion Ratio Lower Upper

105 100

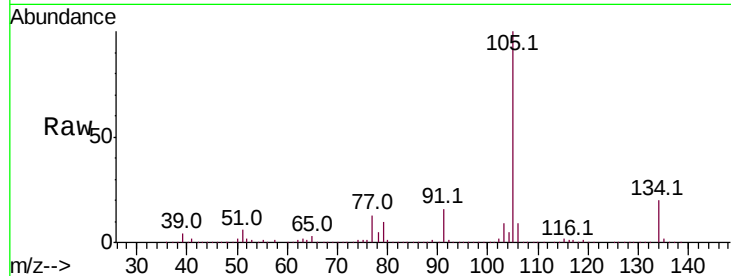
134 20.2 10.1 30.1

Manual Integrations

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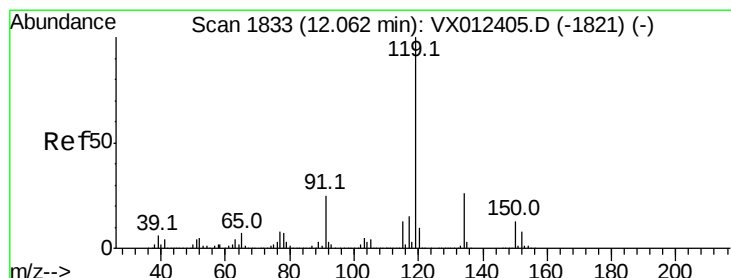
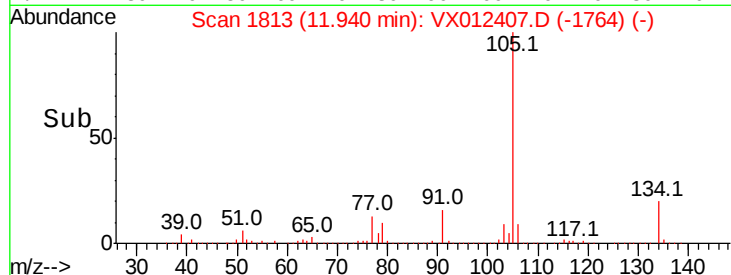
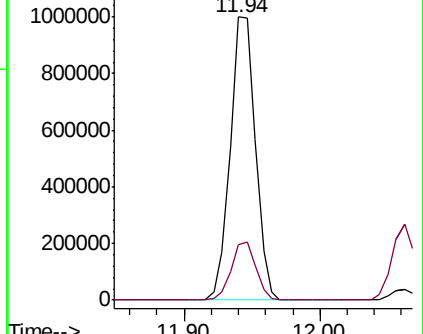
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 181.796 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

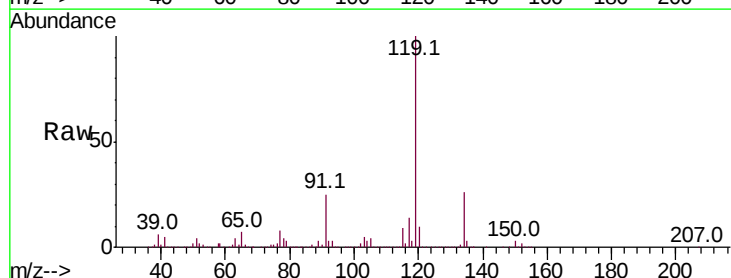
Tgt Ion:119 Resp: 1195915

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

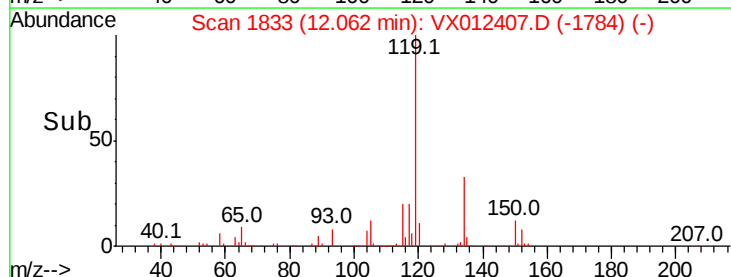
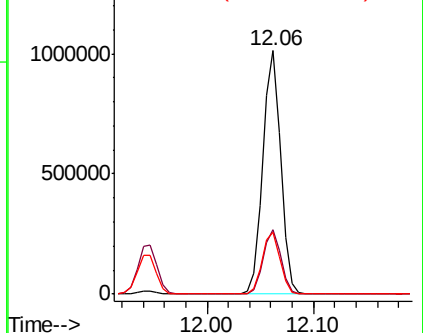
91 25.5 12.9 38.6

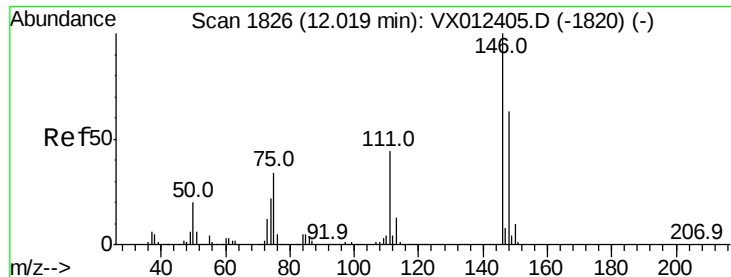


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





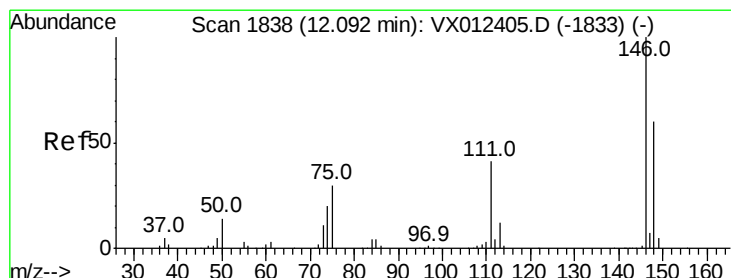
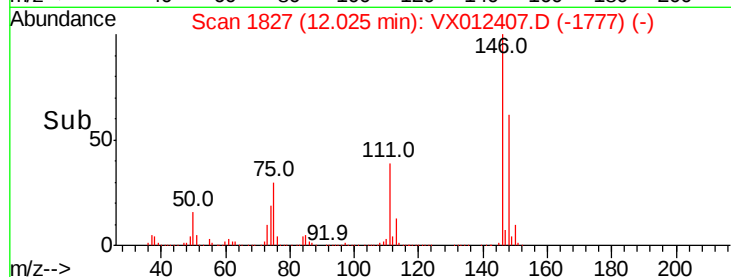
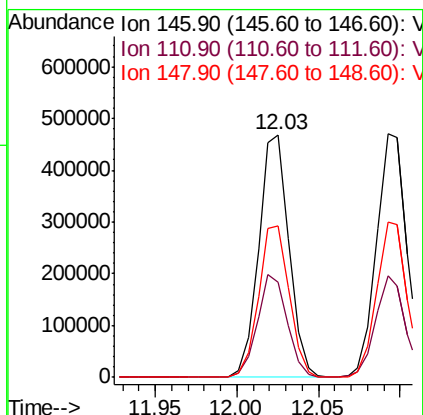
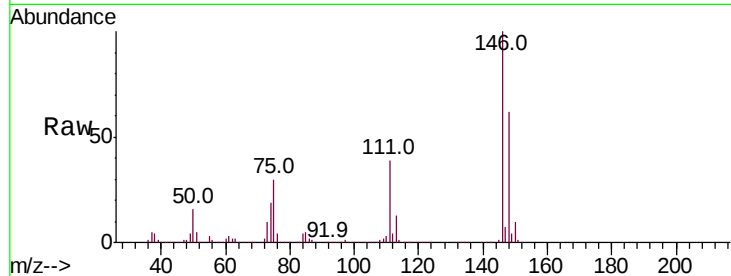
#87
 1,3-Dichlorobenzene
 Concen: 166.533 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	64.0
148	63.2	31.6	94.8

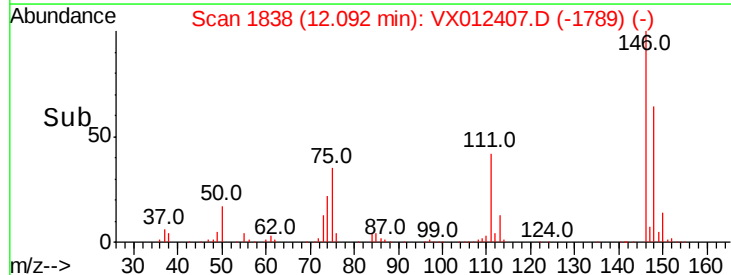
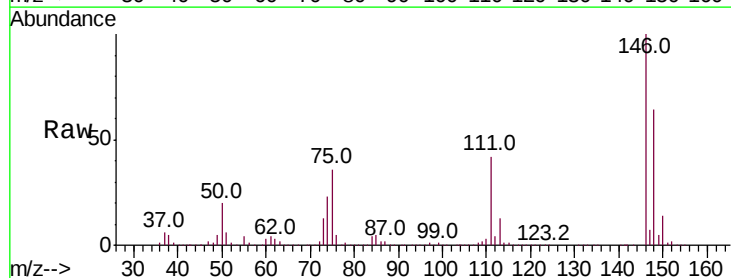
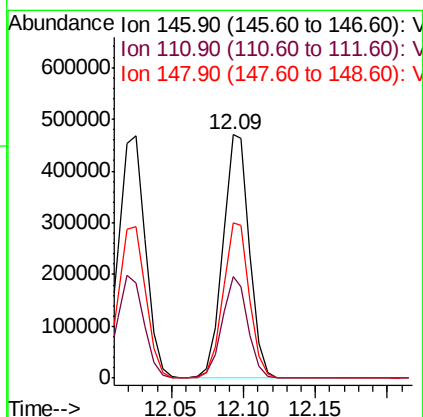
Manual Integrations
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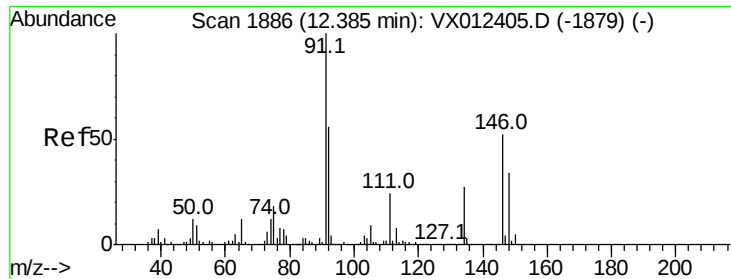
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#88
 1,4-Dichlorobenzene
 Concen: 165.495 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.9
148	63.2	31.6	94.8





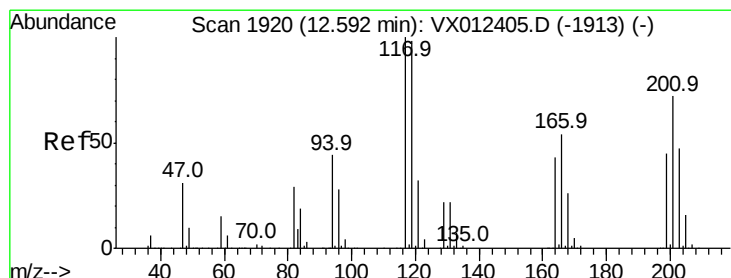
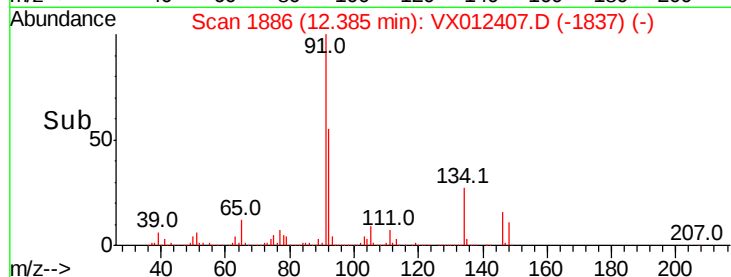
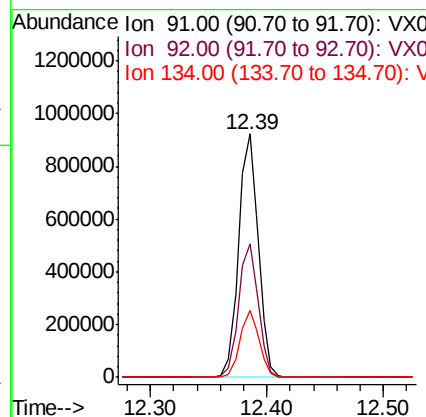
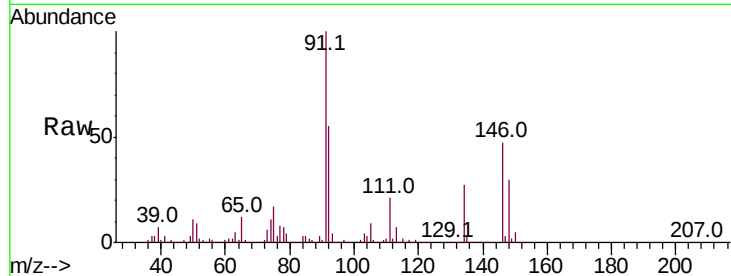
#89
n-Butylbenzene
Concen: 196.668 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1086684
Ion Ratio Lower Upper
91 100
92 54.8 27.5 82.4
134 26.6 13.2 39.6

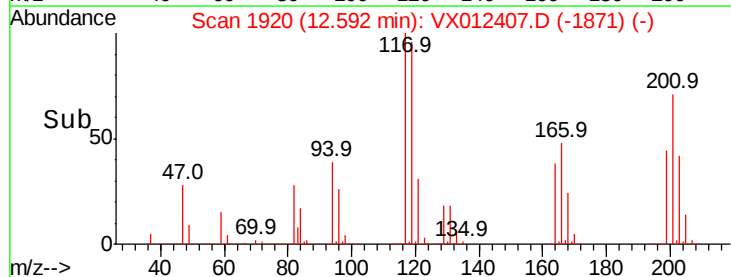
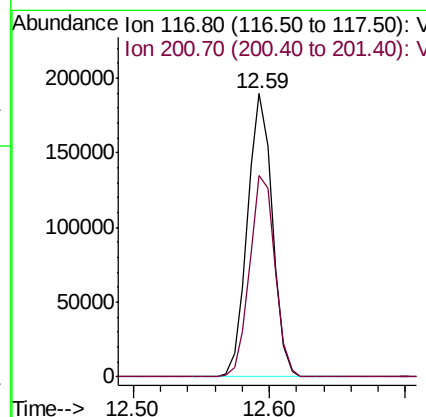
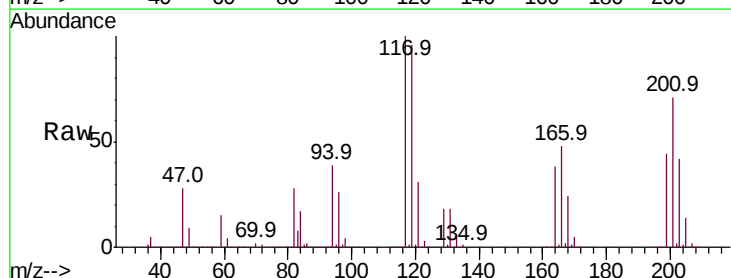
Manual Integrations
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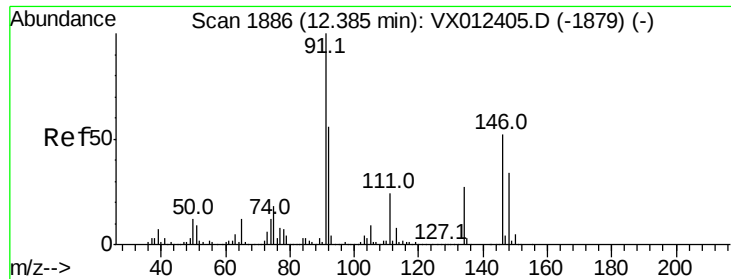
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#90
Hexachloroethane
Concen: 226.661 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 117 Resp: 242179
Ion Ratio Lower Upper
117 100
201 72.5 35.2 105.6





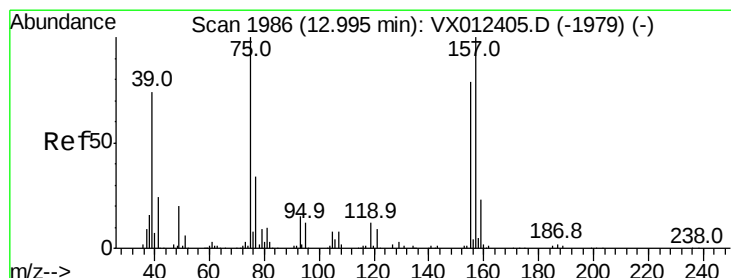
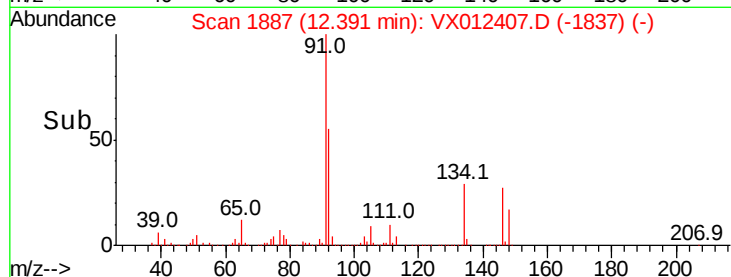
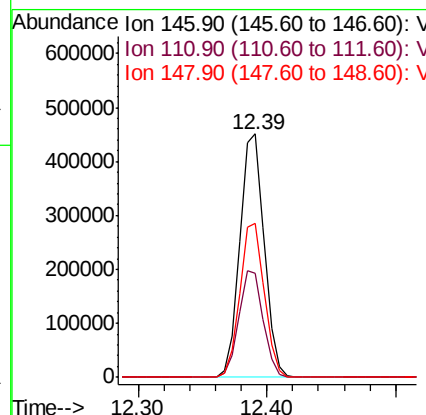
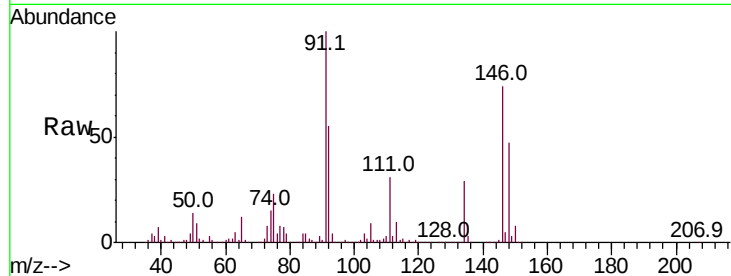
#91
 1,2-Dichlorobenzene
 Concen: 161.999 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	594570		
111	43.8	22.3	66.9	
148	63.4	32.0	96.0	

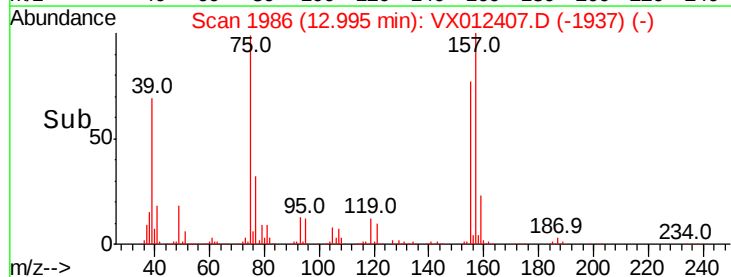
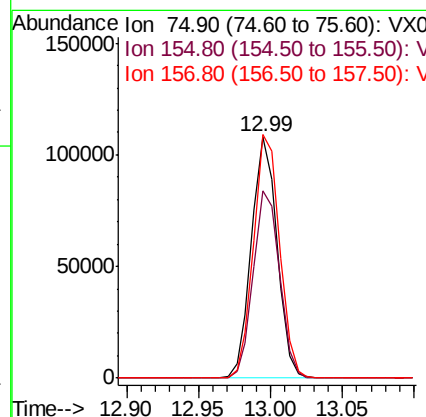
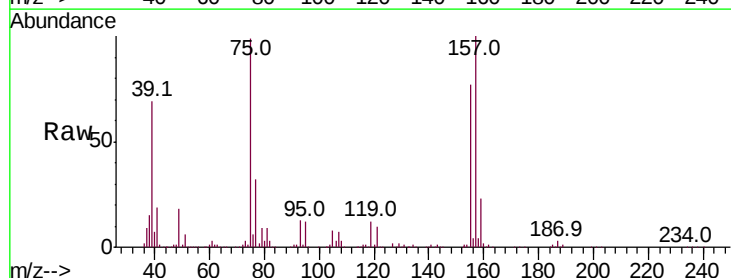
Manual Integrations
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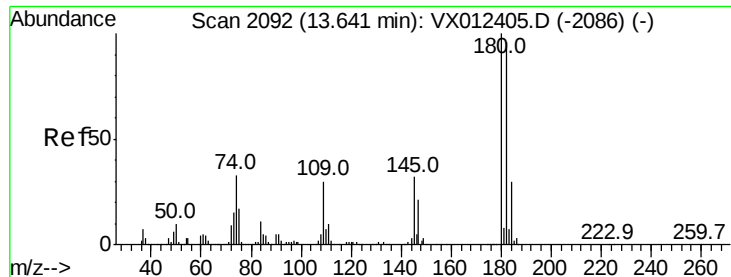
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 221.744 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132466		
155	79.6	39.8	119.4	
157	102.6	50.0	150.1	





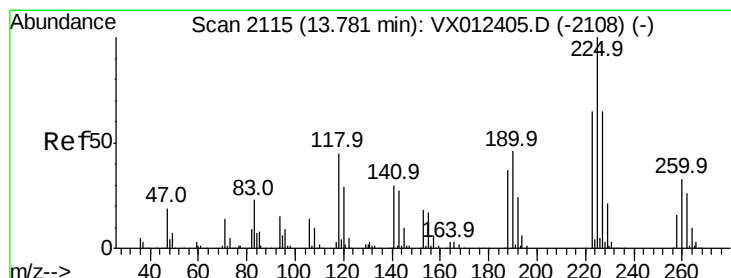
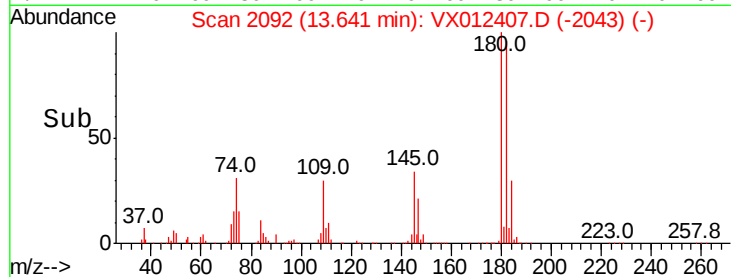
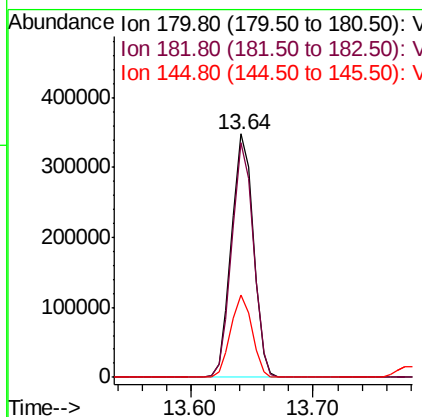
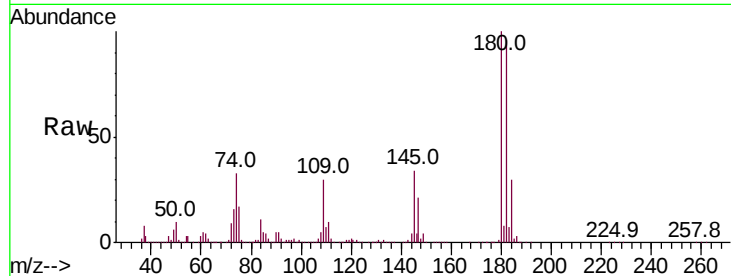
#93
 1,2,4-Trichlorobenzene
 Concen: 162.334 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	48.1	144.4	
145	33.1	16.6	49.7	

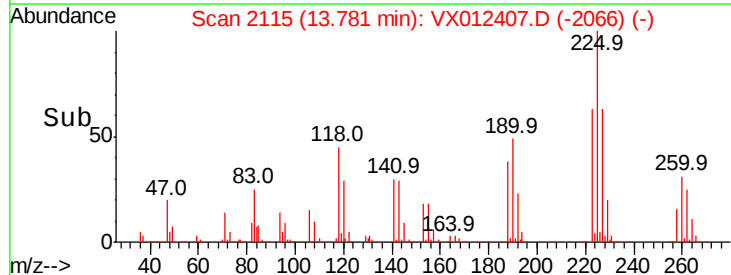
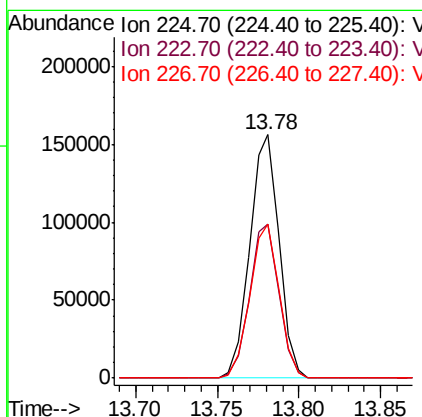
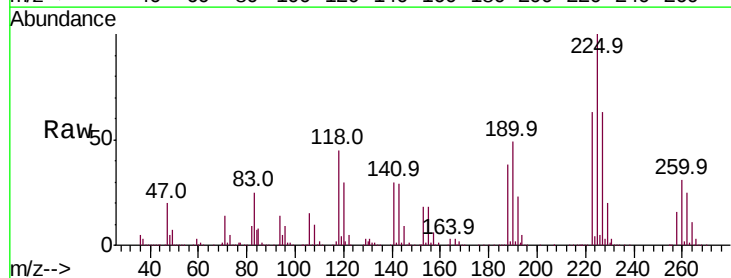
Manual Integrations
 APPROVED

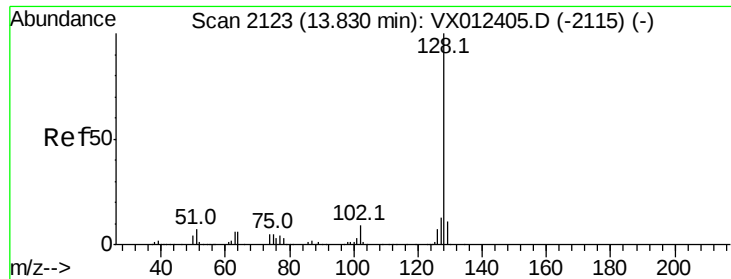
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#94
 Hexachlorobutadiene
 Concen: 136.274 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	32.0	96.0	
227	63.0	32.8	98.3	





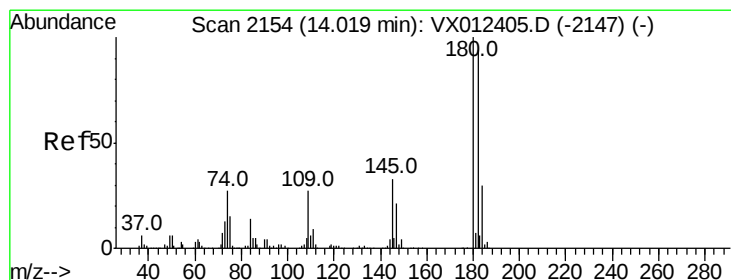
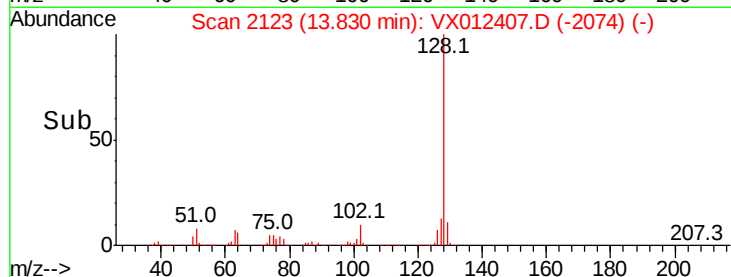
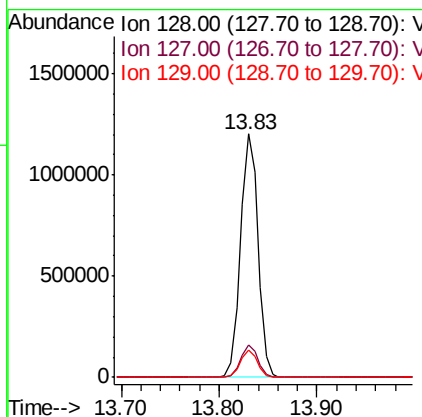
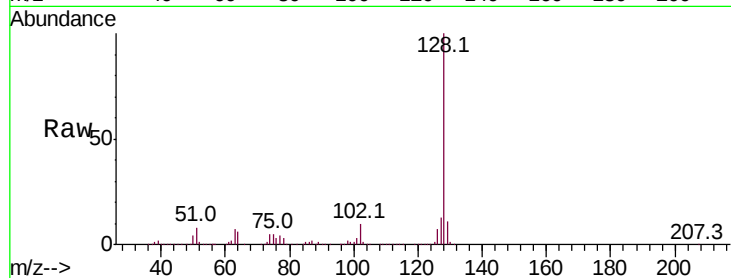
#95
Naphthalene
Concen: 193.261 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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9/23/2019 5:04:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 159.530 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.9	140.8
145	35.8	17.6	52.9

