

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100419\
 Data File : VX012806.D
 Acq On : 04 Oct 2019 13:05
 Operator : JC/SP
 Sample : VX1004MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 9:26:59 AM

Quant Time: Oct 05 04:44:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282875	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	110476	44.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.98%	
35) Dibromofluoromethane	5.49	113	86853	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	8.71	98	322821	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.14	95	123596	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	29440	15.519	ug/l	99
3) Chloromethane	1.32	50	33812	15.522	ug/l	99
4) Vinyl Chloride	1.40	62	33804	15.613	ug/l	97
5) Bromomethane	1.63	94	16910	19.864	ug/l	96
6) Chloroethane	1.72	64	21707	14.872	ug/l	98
7) Trichlorofluoromethane	1.92	101	50188	16.509	ug/l	97
8) Diethyl Ether	2.18	74	20168	16.189	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	33307	17.989	ug/l	95
10) Methyl Iodide	2.50	142	27093	17.467	ug/l	91
11) Tert butyl alcohol	3.03	59	54162	88.296	ug/l	98
12) 1,1-Dichloroethene	2.36	96	31200	17.209	ug/l	89
13) Acrolein	2.28	56	22306	72.838	ug/l	95
14) Allyl chloride	2.72	41	58199	16.179	ug/l	97
15) Acrylonitrile	3.13	53	106422	85.514	ug/l	99
16) Acetone	2.43	43	104216	80.125	ug/l	95
17) Carbon Disulfide	2.56	76	74381	14.634	ug/l	98
18) Methyl Acetate	2.76	43	53753	17.551	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	119537	17.419	ug/l	100
20) Methylene Chloride	2.84	84	38026	17.285	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	35228	17.538	ug/l	96
22) Diisopropyl ether	3.84	45	120116	17.281	ug/l #	98
23) Vinyl Acetate	3.80	43	503870	82.665	ug/l	95
24) 1,1-Dichloroethane	3.69	63	65410	17.313	ug/l	98
25) 2-Butanone	4.66	43	152438	81.738	ug/l	93
26) 2,2-Dichloropropane	4.58	77	53977	16.063	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	40700	17.463	ug/l	94
28) Bromochloromethane	5.00	49	24052	17.532	ug/l #	15
29) Tetrahydrofuran	5.12	42	94435	83.078	ug/l	94
30) Chloroform	5.20	83	67065	17.350	ug/l	96
31) Cyclohexane	5.58	56	57111	16.709	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	57380	16.749	ug/l	100
36) 1,1-Dichloropropene	5.79	75	48418	17.758	ug/l	97
37) Ethyl Acetate	4.83	43	56929	17.859	ug/l	96
38) Carbon Tetrachloride	5.78	117	48313	17.443	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58004	17.671	ug/l	98
40) Benzene	6.13	78	147875	18.433	ug/l	97
41) Methacrylonitrile	5.03	41	30282	16.931	ug/l	93
42) 1,2-Dichloroethane	6.19	62	55064	18.075	ug/l	97
43) Isopropyl Acetate	6.43	43	90609	16.997	ug/l	96
44) Trichloroethene	7.21	130	37653	18.359	ug/l	97
45) 1,2-Dichloropropane	7.51	63	38070	18.535	ug/l	96
46) Dibromomethane	7.65	93	25723	18.394	ug/l	97
47) Bromodichloromethane	7.89	83	49639	17.760	ug/l	96
48) Methyl methacrylate	7.76	41	42679	16.697	ug/l	92
49) 1,4-Dioxane	7.73	88	20538	354.245	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	291476	88.578	ug/l	97
52) Toluene	8.78	92	91450	18.137	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	53653	17.350	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	60165	17.820	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	38449	19.180	ug/l	97
56) Ethyl methacrylate	9.17	69	59861	17.775	ug/l	91
57) 1,3-Dichloropropane	9.37	76	65850	18.769	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	146606	96.980	ug/l	100
59) 2-Hexanone	9.48	43	218250	86.649	ug/l	94
60) Dibromochloromethane	9.58	129	36666	18.069	ug/l	98
61) 1,2-Dibromoethane	9.67	107	39972	19.160	ug/l	98
64) Tetrachloroethene	9.33	164	34890	19.750	ug/l	93
65) Chlorobenzene	10.14	112	98621	18.483	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	36093	18.670	ug/l	98
67) Ethyl Benzene	10.25	91	176033	18.190	ug/l	98
68) m/p-Xylenes	10.36	106	134520	37.107	ug/l	98
69) o-Xylene	10.70	106	64497	18.386	ug/l	100
70) Styrene	10.71	104	108889	18.517	ug/l	98
71) Bromoform	10.85	173	23604	17.535	ug/l #	97
73) Isopropylbenzene	11.01	105	174046	18.275	ug/l	100
74) N-amyl acetate	10.89	43	74914	16.489	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	57453	18.216	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	55135m	17.825	ug/l	
77) Bromobenzene	11.25	156	39975	18.546	ug/l	100
78) n-propylbenzene	11.35	91	188403	17.572	ug/l	98
79) 2-Chlorotoluene	11.42	91	120616	18.033	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	148304	18.570	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	16855	15.616	ug/l	100
82) 4-Chlorotoluene	11.51	91	137344	18.013	ug/l	99
83) tert-Butylbenzene	11.76	119	139275	18.079	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	146567	18.193	ug/l	100
85) sec-Butylbenzene	11.94	105	164963	18.410	ug/l	99
86) p-Isopropyltoluene	12.06	119	150578	18.624	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	71774	18.503	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	73365	18.717	ug/l	98
89) n-Butylbenzene	12.39	91	121239	17.017	ug/l	99
90) Hexachloroethane	12.59	117	23695	16.439	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	72027	18.547	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13326	16.890	ug/l	97

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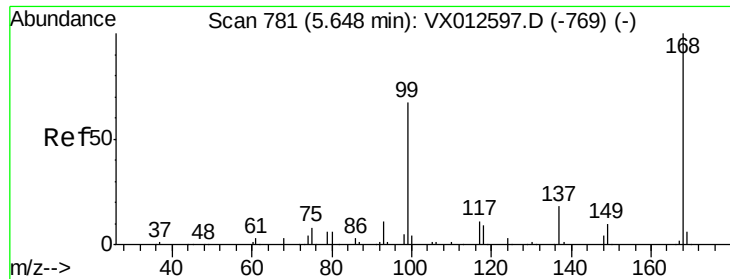
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	41160	17.379	ug/l	96
94) Hexachlorobutadiene	13.78	225	20362	19.985	ug/l	97
95) Naphthalene	13.83	128	154674	18.051	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	41918	17.669	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion:168 Resp: 168629

Ion Ratio Lower Upper

168 100

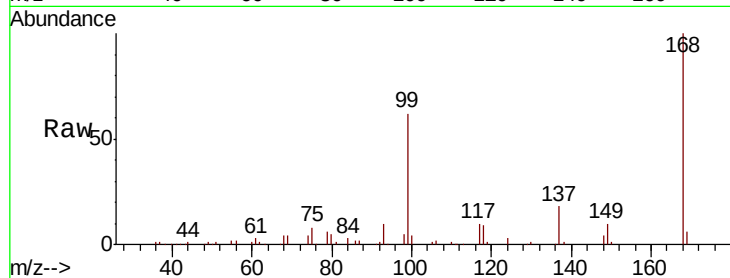
99 61.6 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

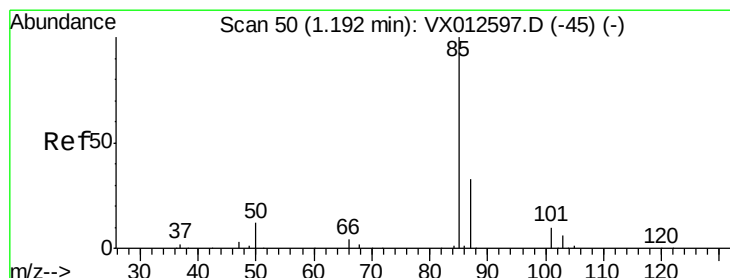
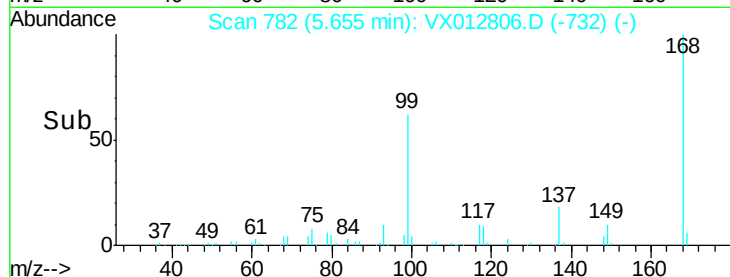
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 15.519 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012806.D

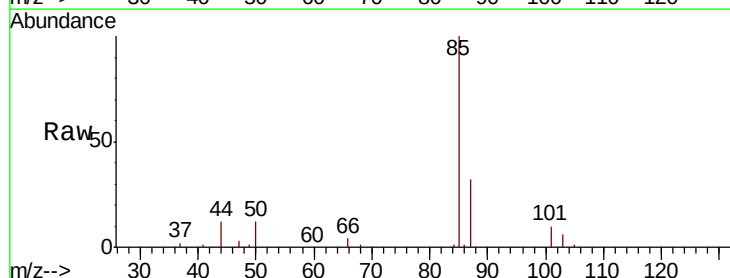
Acq: 04 Oct 2019 13:05

Tgt Ion: 85 Resp: 29440

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

30000

25000

20000

15000

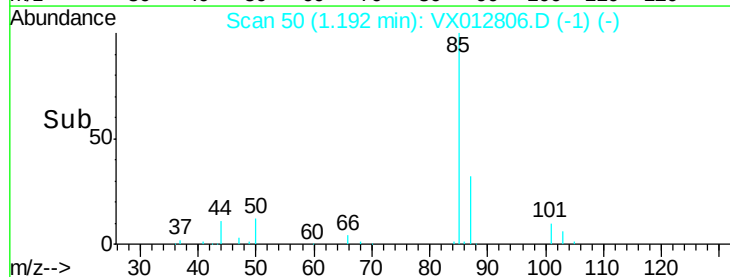
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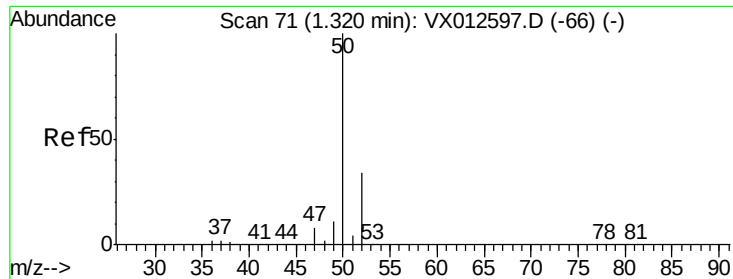
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 15.522 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 50 Resp: 33812

Ion Ratio Lower Upper

50 100

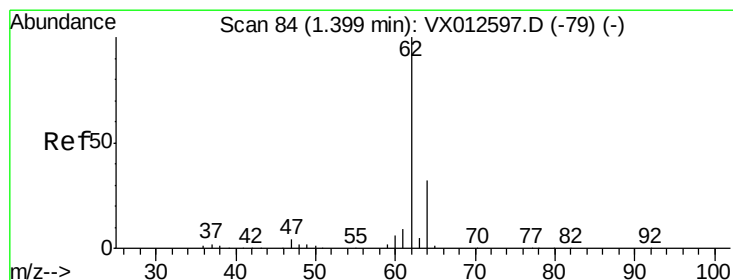
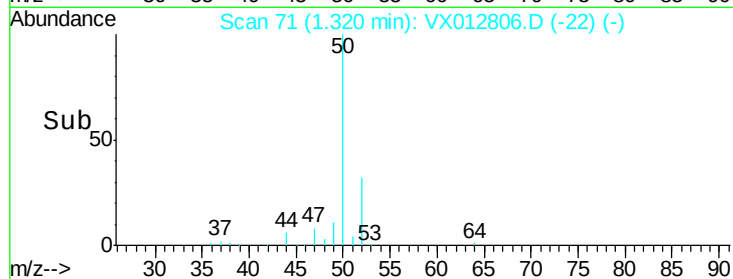
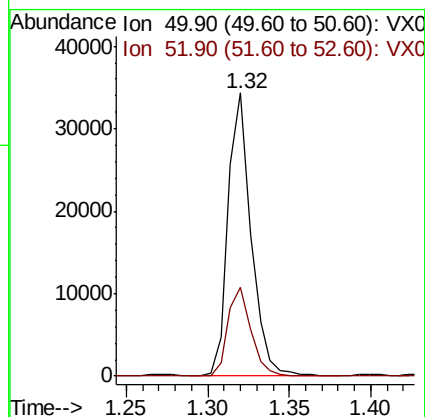
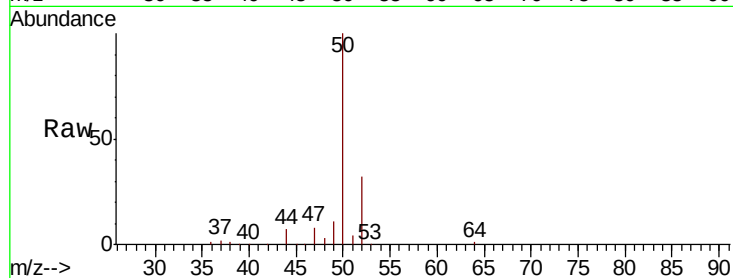
52 31.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.613 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012806.D

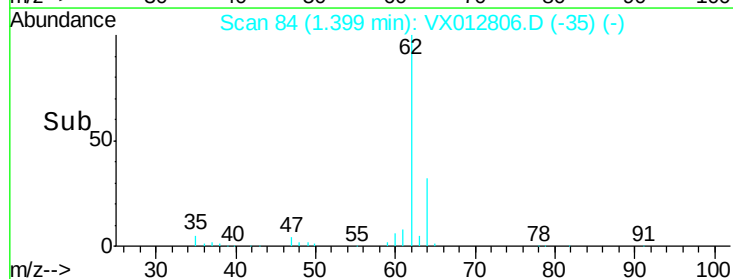
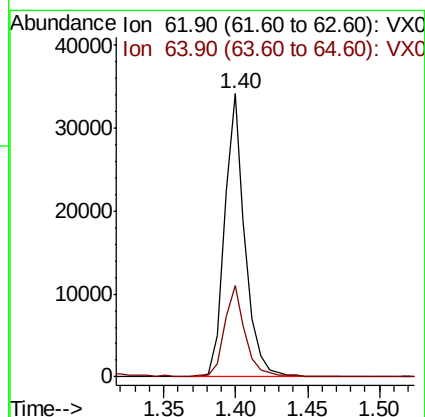
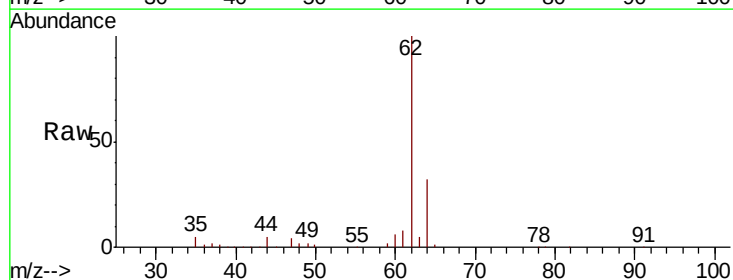
Acq: 04 Oct 2019 13:05

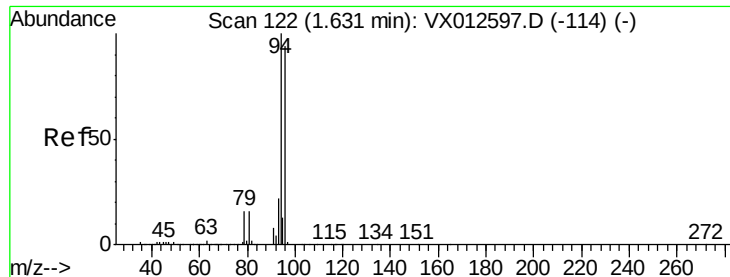
Tgt Ion: 62 Resp: 33804

Ion Ratio Lower Upper

62 100

64 32.0 24.2 36.2





#5

Bromomethane

Concen: 19.864 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 94 Resp: 16910

Ion Ratio Lower Upper

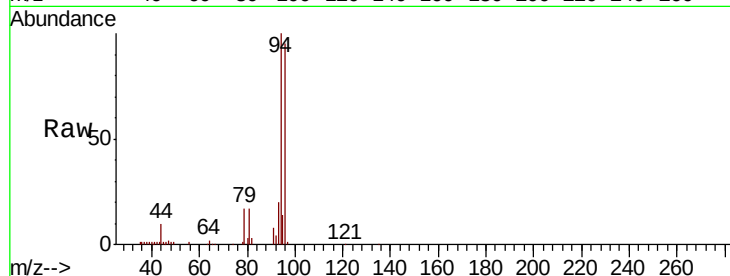
94 100

96 94.5 72.8 109.2

Manual Integrations
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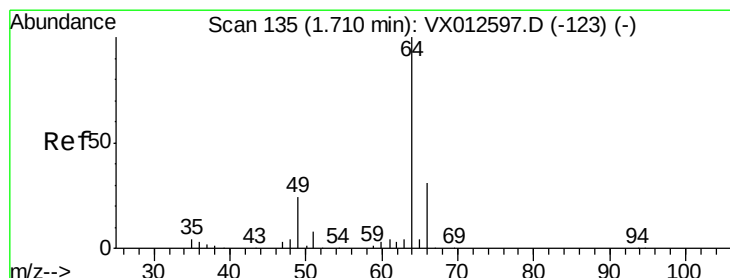
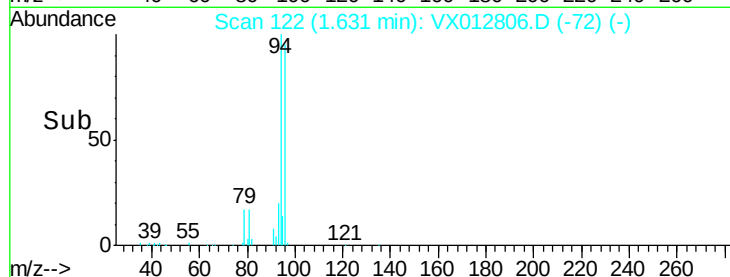
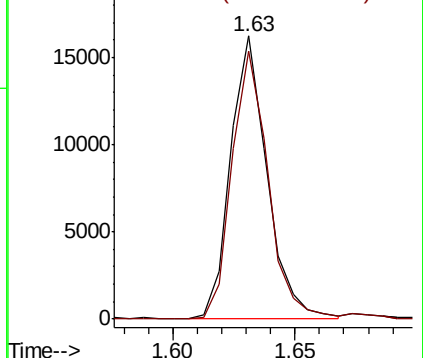
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10/7/2019 9:26:59 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 14.872 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012806.D

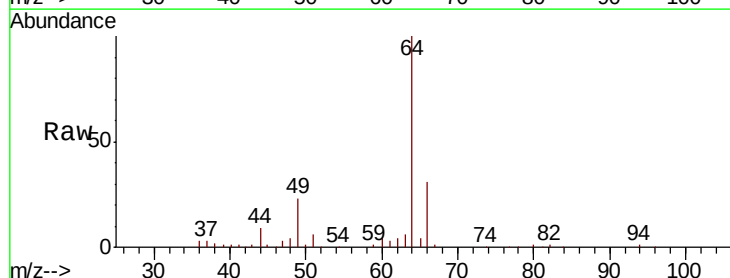
Acq: 04 Oct 2019 13:05

Tgt Ion: 64 Resp: 21707

Ion Ratio Lower Upper

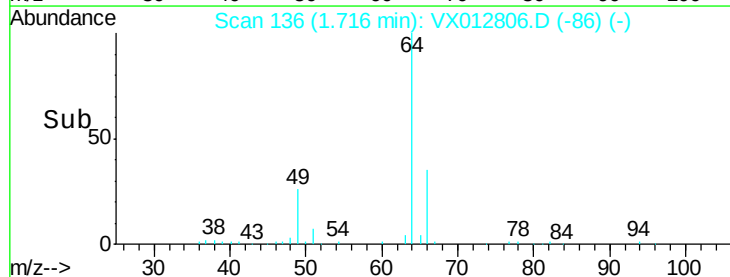
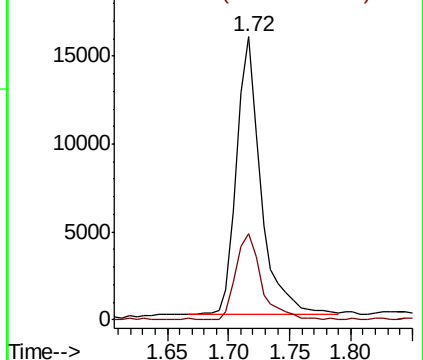
64 100

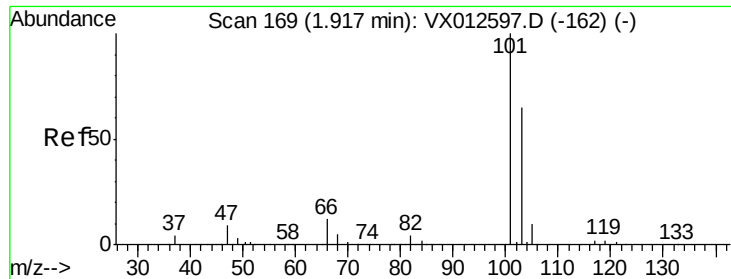
66 30.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

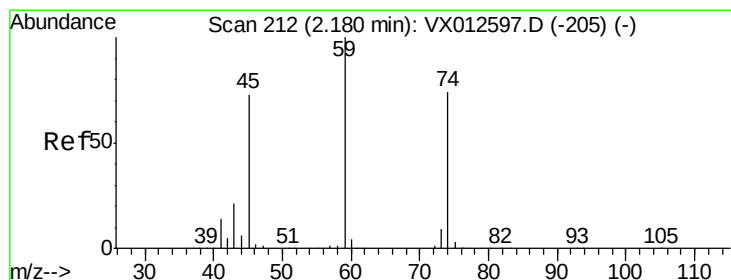
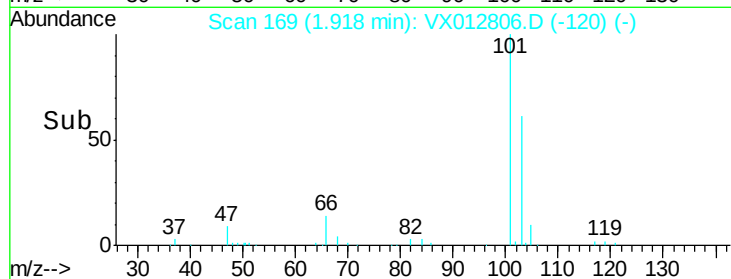
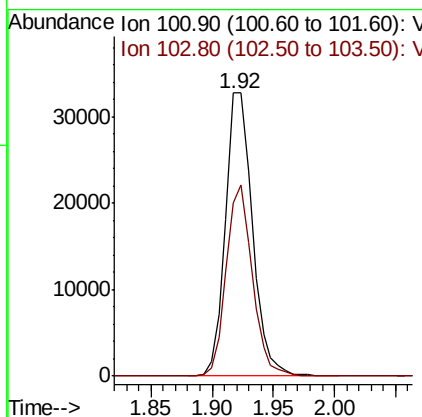
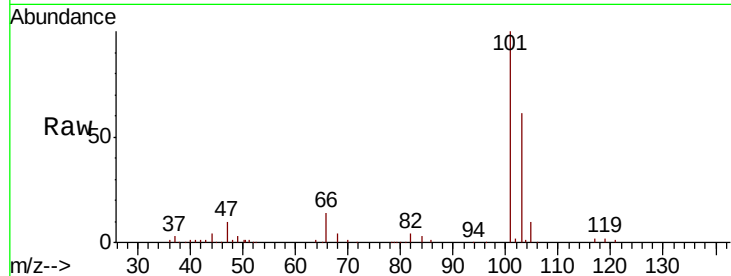
Trichlorofluoromethane
Concen: 16.509 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
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ClientSampleId :
VX1004MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.0	76.4

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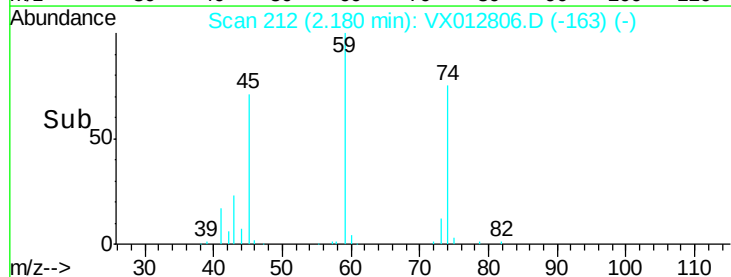
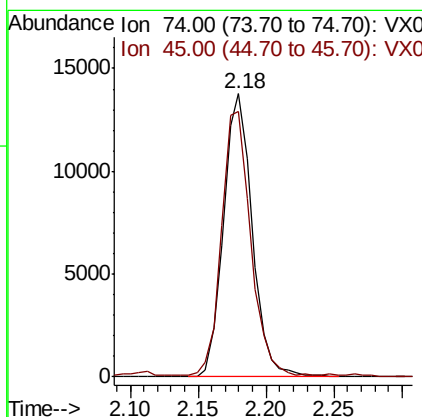
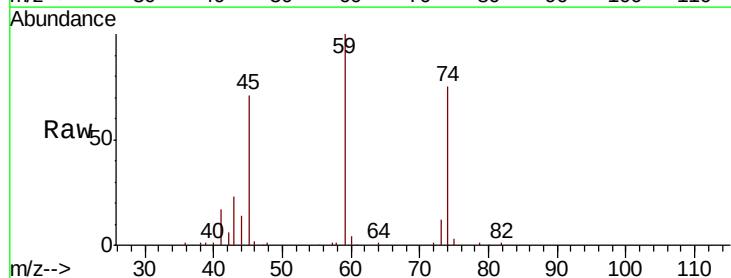
MMDadoda
10/7/2019 9:26:59 AM

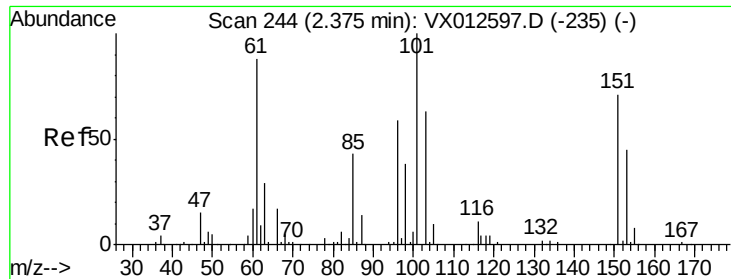


#8

Diethyl Ether
Concen: 16.189 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	49.9	149.7





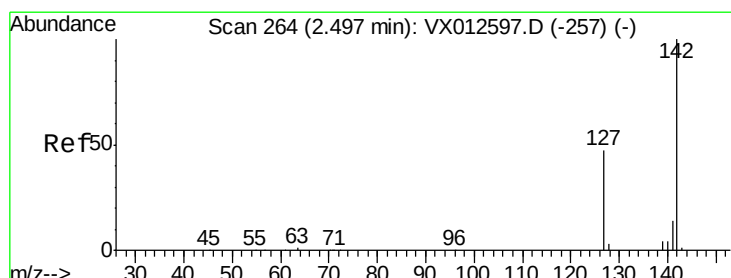
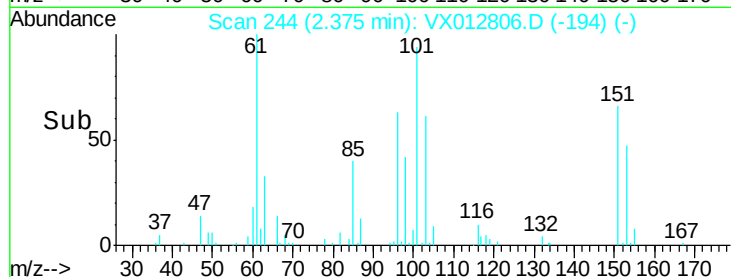
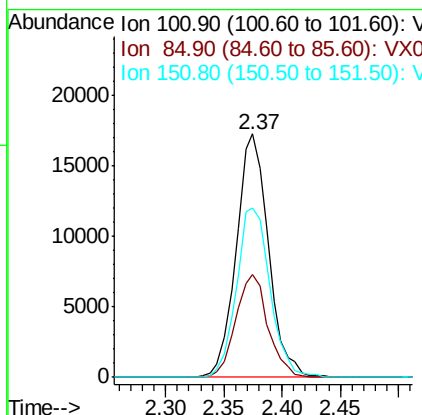
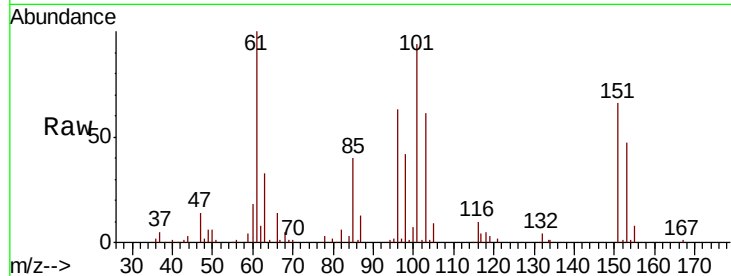
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.989 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	42.1	37.3	55.9
151	72.6	61.0	91.4

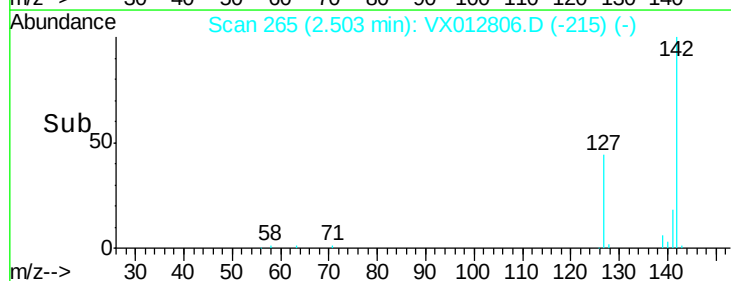
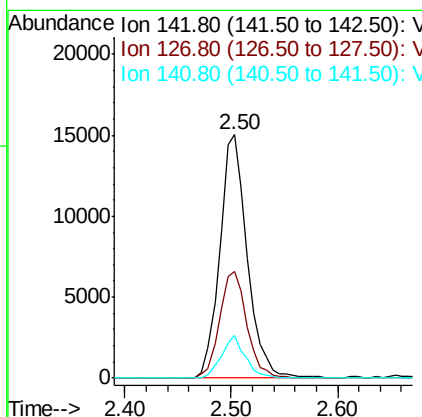
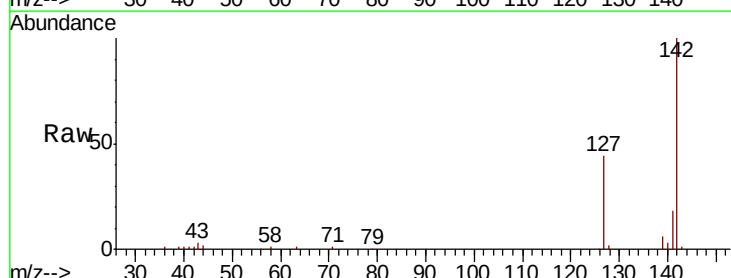
Manual Integrations
APPROVED

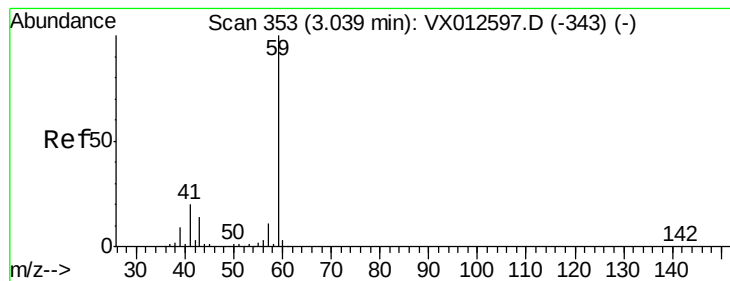
MMDadoda
10/7/2019 9:26:59 AM



#10
Methyl Iodide
Concen: 17.467 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.2	40.8	61.2
141	15.1	12.1	18.1





#11

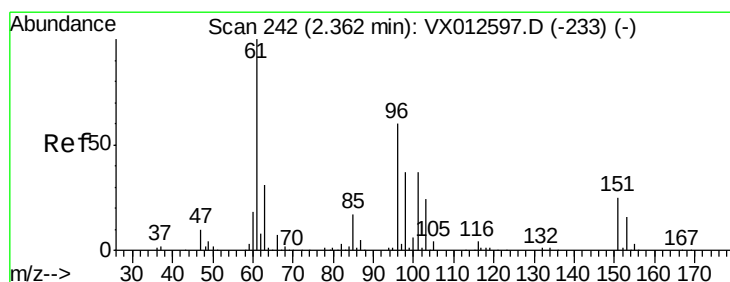
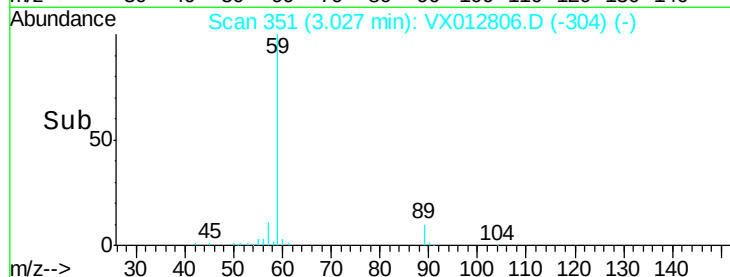
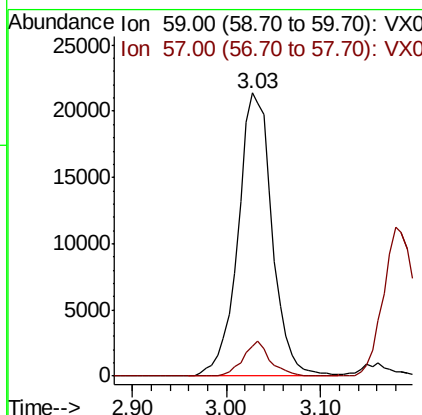
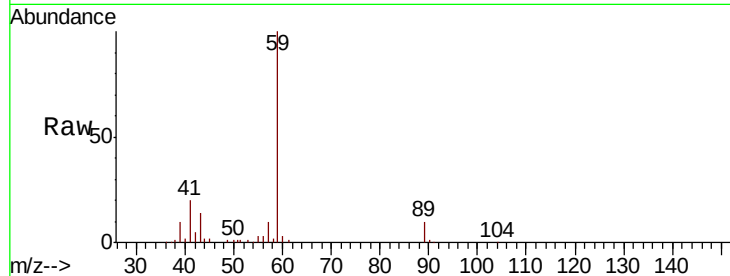
Tert butyl alcohol
 Concen: 88.296 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX1004MBS01

Tot Ion	59	Resp	54162
Ion Ratio	100	Lower	Upper
57	9.8	8.3	12.5

Manual Integrations
 APPROVED

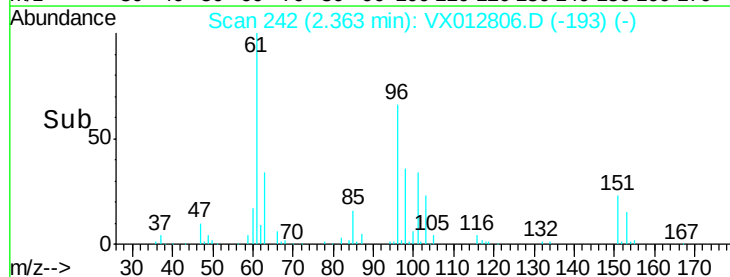
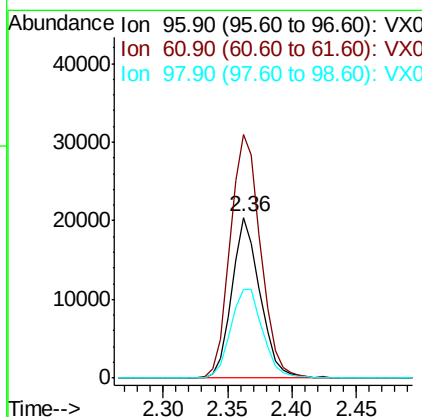
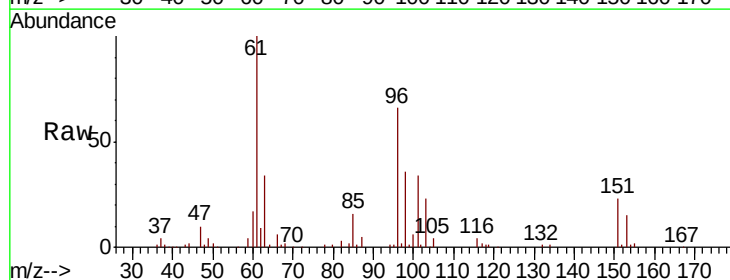
MMDadoda
 10/7/2019 9:26:59 AM

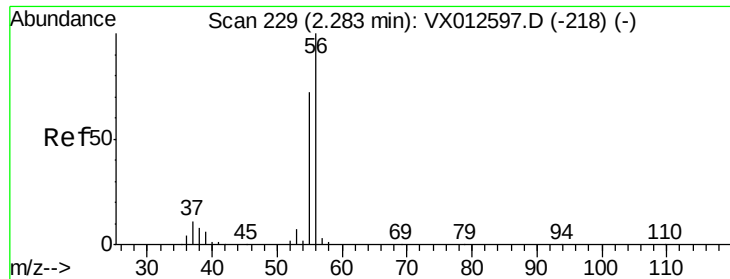


#12

1,1-Dichloroethene
 Concen: 17.209 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Tgt Ion	96	Resp	31200
Ion Ratio	100	Lower	Upper
61	151.3	133.8	200.6
98	54.9	49.9	74.9





#13

Acrolein

Concen: 72.838 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 56 Resp: 22306

Ion Ratio Lower Upper

56 100

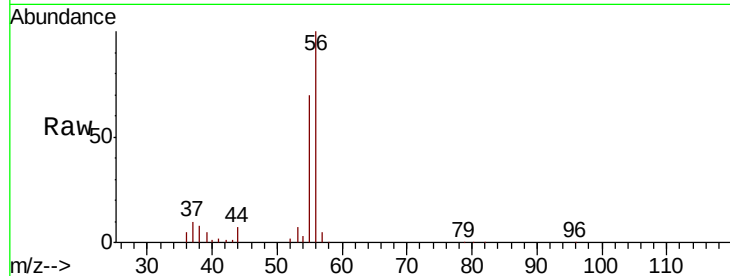
55 65.9 55.8 83.8

Manual Integrations

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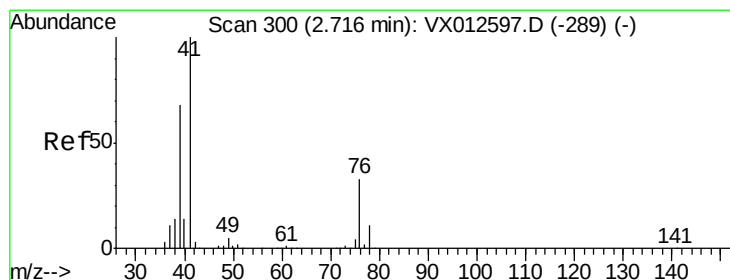
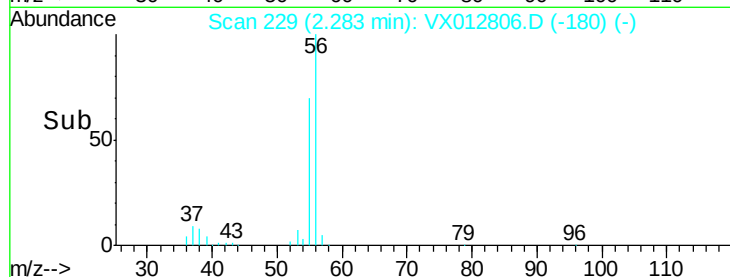
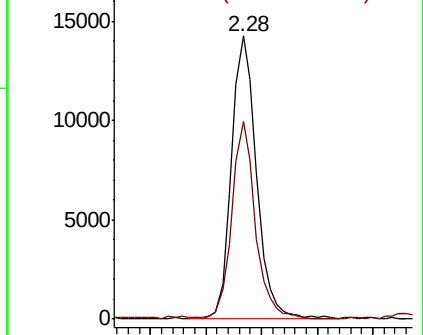
MMDadoda

10/7/2019 9:26:59 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 16.179 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

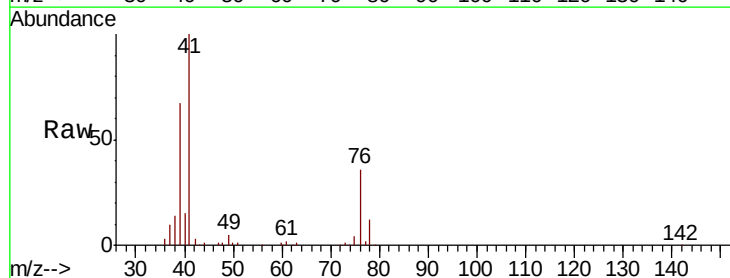
Tgt Ion: 41 Resp: 58199

Ion Ratio Lower Upper

41 100

39 63.2 51.3 76.9

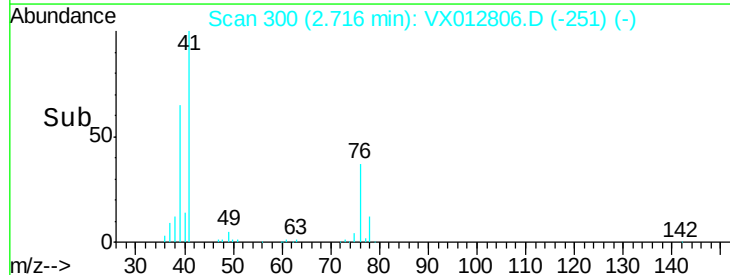
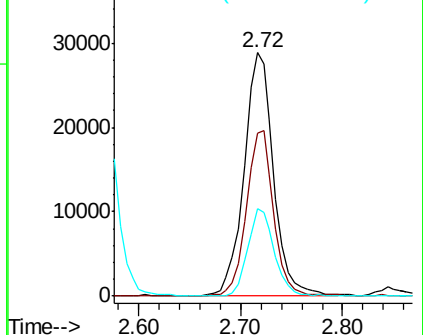
76 32.2 22.6 33.8

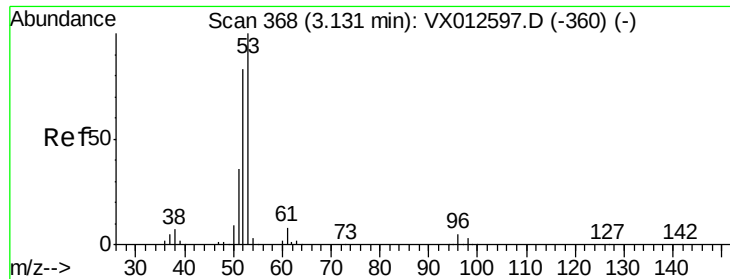


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 85.514 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

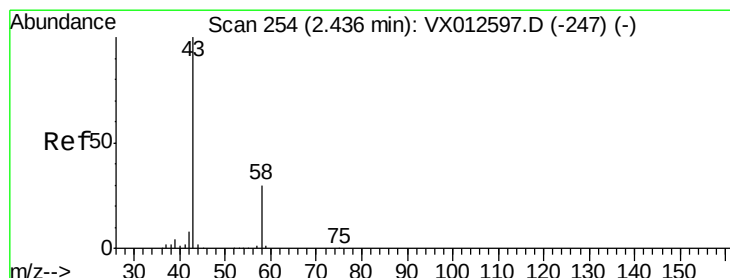
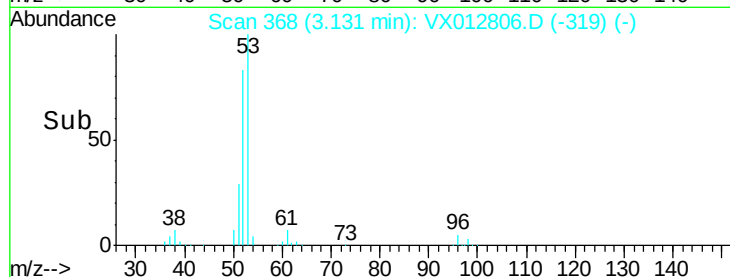
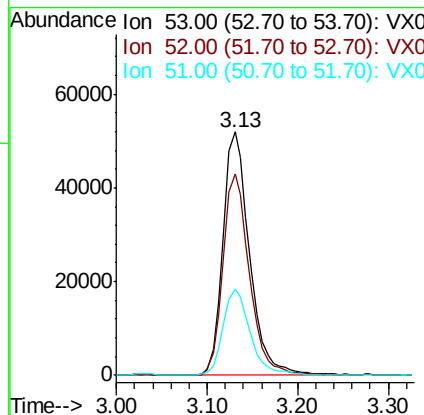
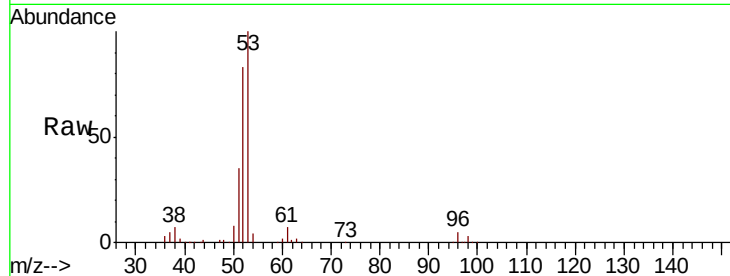
ClientSampleId :

VX1004MBS01

Tot Ion:	53	Resp:	106422
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.0	100.4
51	36.2	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 80.125 ug/l

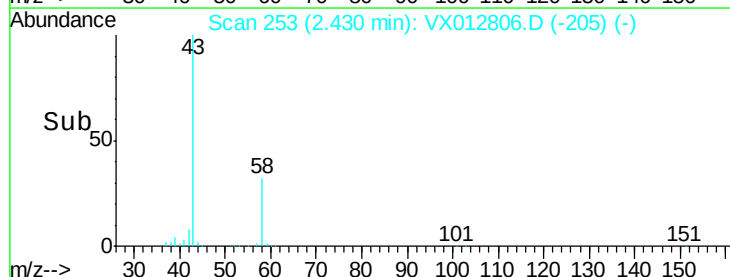
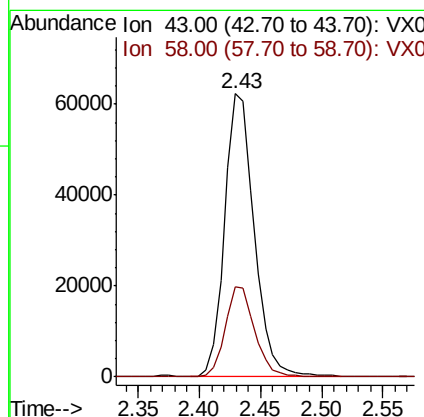
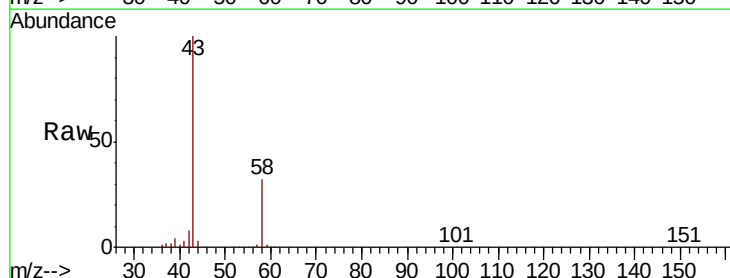
RT: 2.43 min Scan# 253

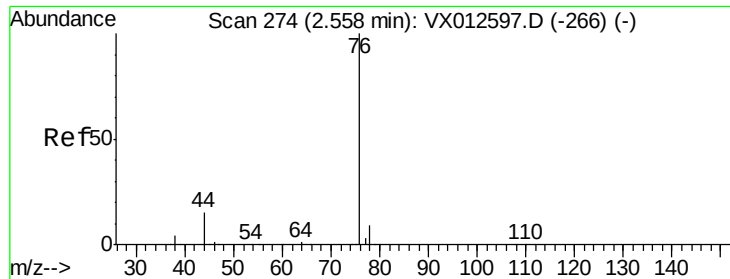
Delta R.T. -0.01 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Tgt Ion:	43	Resp:	104216
Ion	Ratio	Lower	Upper
43	100		
58	32.0	23.3	34.9





#17

Carbon Disulfide

Concen: 14.634 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 76 Resp: 74381

Ion Ratio Lower Upper

76 100

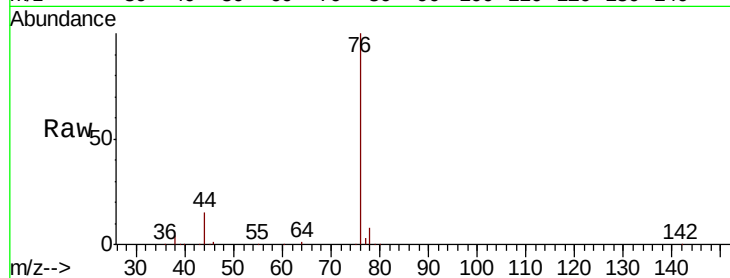
78 8.2 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

40000

30000

20000

10000

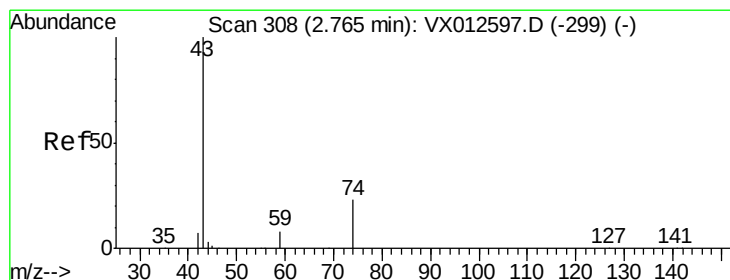
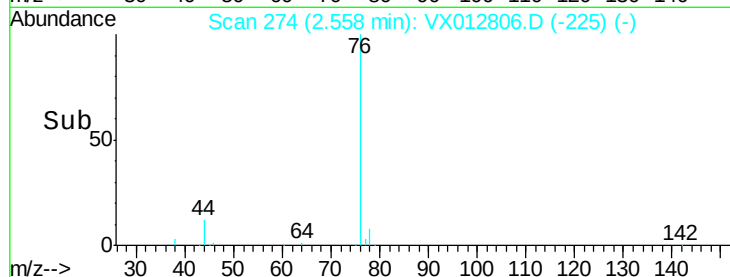
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 17.551 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012806.D

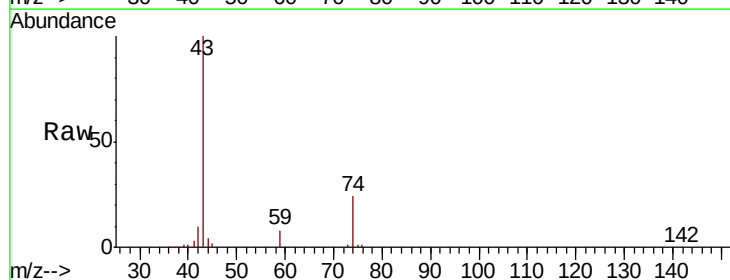
Acq: 04 Oct 2019 13:05

Tgt Ion: 43 Resp: 53753

Ion Ratio Lower Upper

43 100

74 23.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

30000

20000

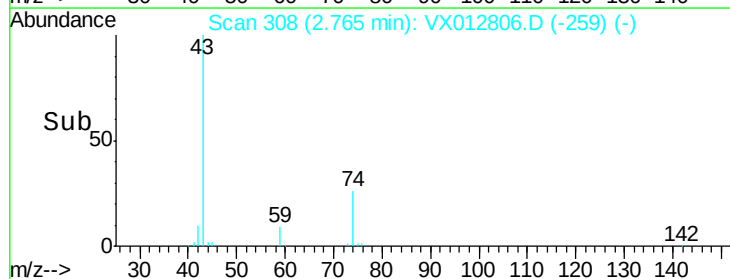
10000

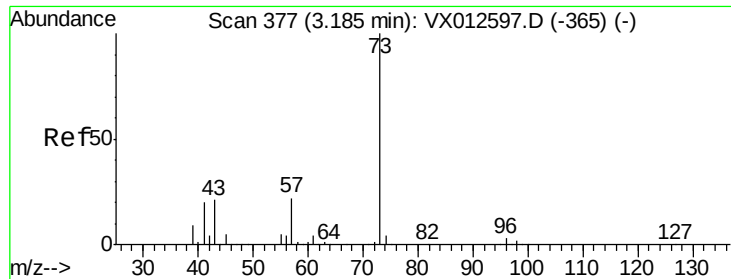
0

Time-->

2.70

2.80





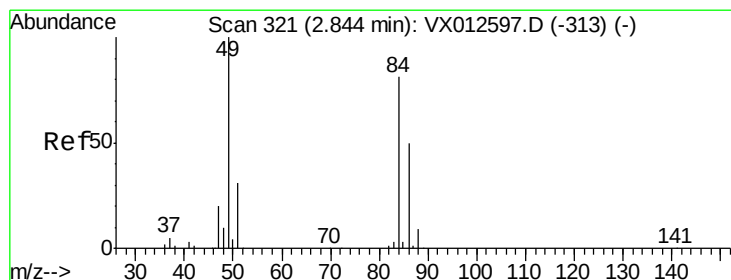
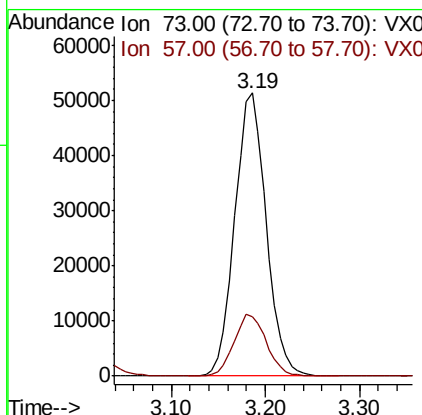
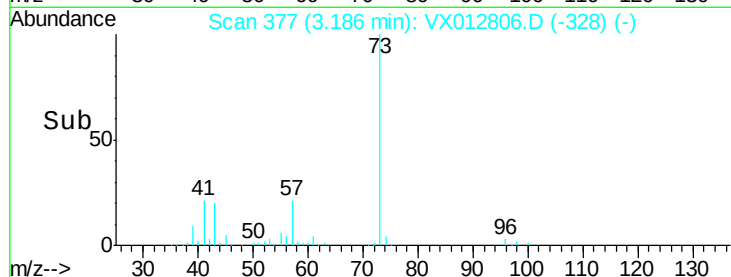
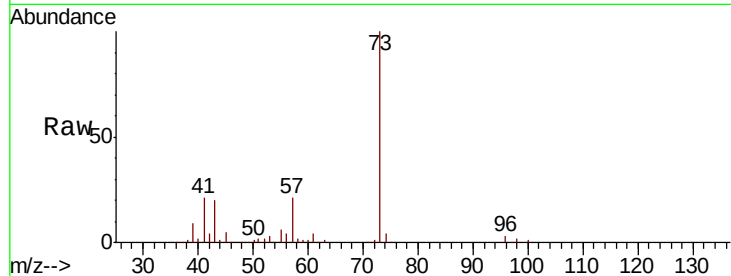
#19
Methvl tert-butvl Ether
Concen: 17.419 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.8	25.2

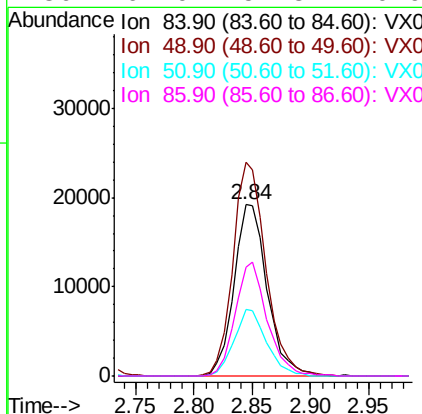
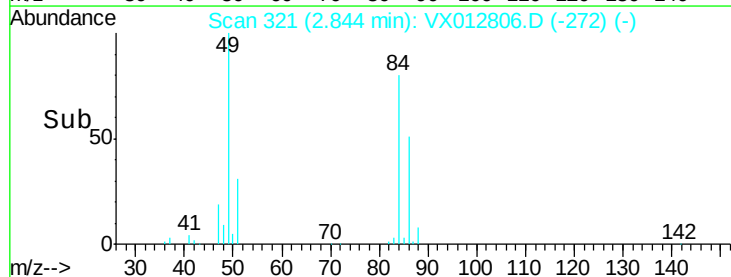
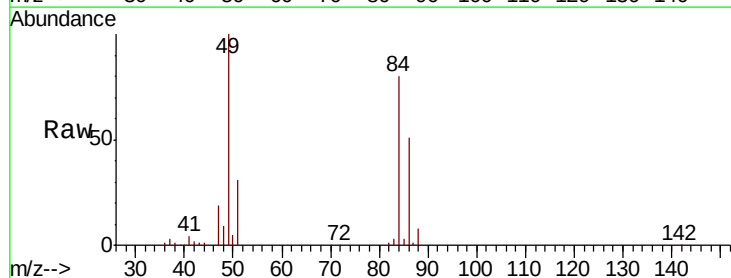
Manual Integrations
APPROVED

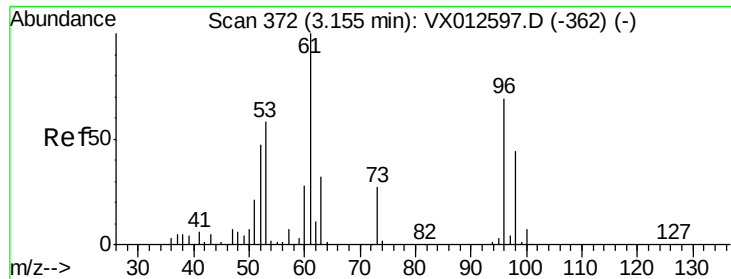
MMDadoda
10/7/2019 9:26:59 AM



#20
Methylene Chloride
Concen: 17.285 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	106.8	160.2
51	38.8	32.3	48.5
86	64.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 17.538 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 96 Resp: 35228

Ion Ratio Lower Upper

96 100

61 136.7 112.0 168.0

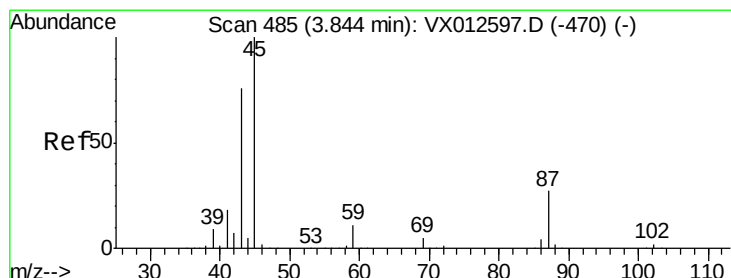
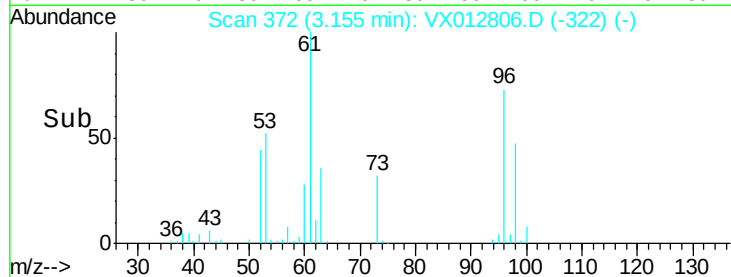
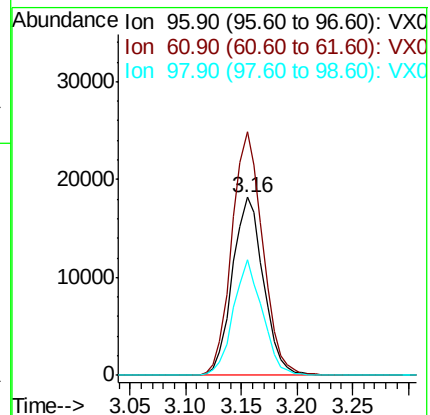
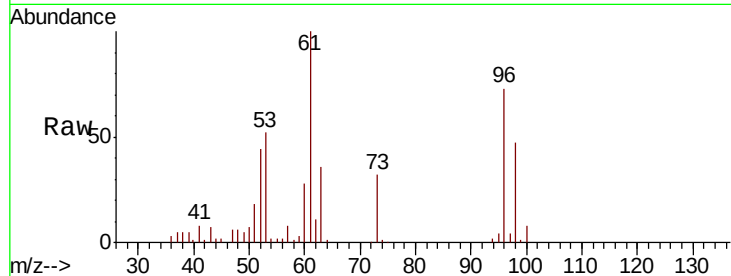
98 64.6 47.8 71.8

Manual Integrations

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MMDadoda

10/7/2019 9:26:59 AM



#22

Diisopropyl ether

Concen: 17.281 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Tgt Ion: 45 Resp: 120116

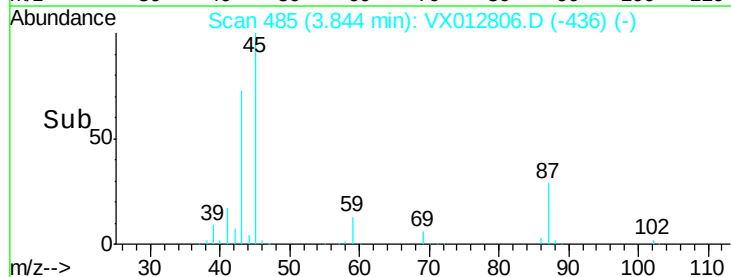
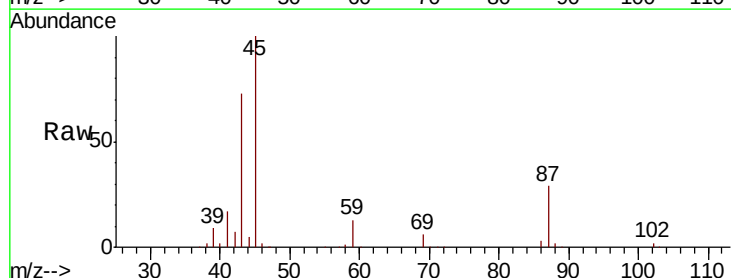
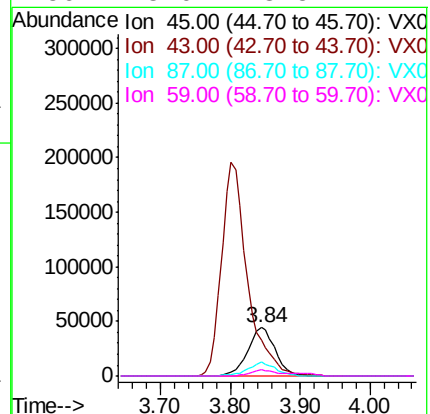
Ion Ratio Lower Upper

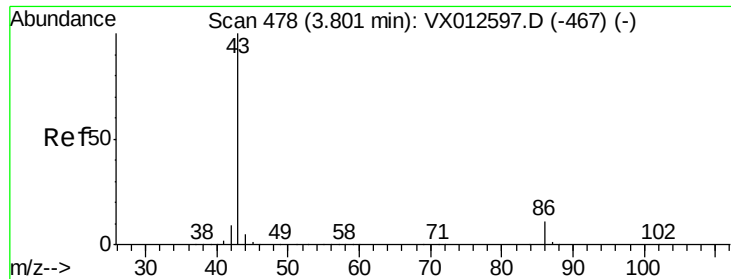
45 100

43 72.5 57.8 86.8

87 29.3 21.3 31.9

59 13.0 8.5 12.7#





#23

Vinyl Acetate

Concen: 82.665 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 43 Resp: 503870

Ion Ratio Lower Upper

43 100

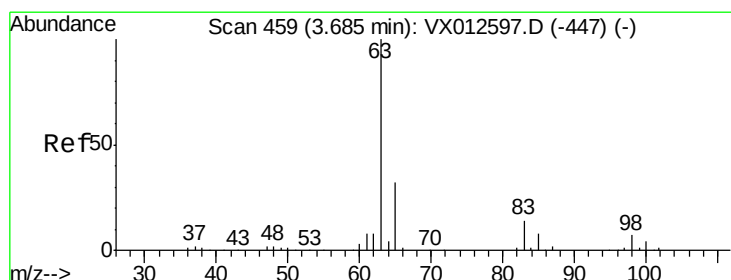
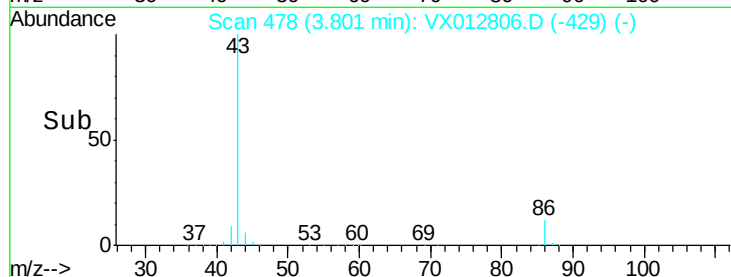
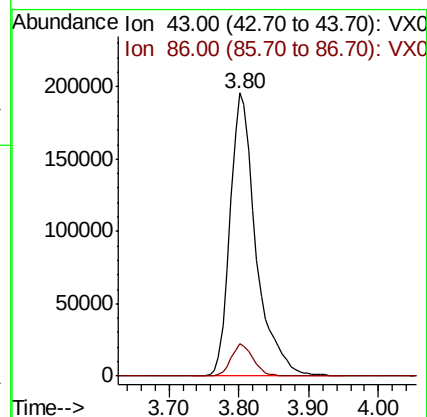
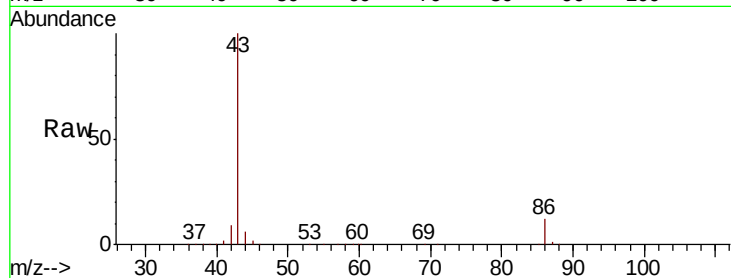
86 11.5 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.313 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

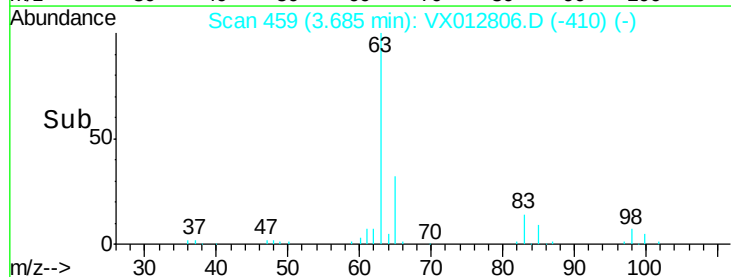
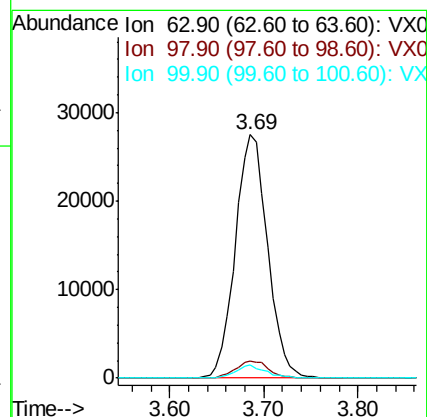
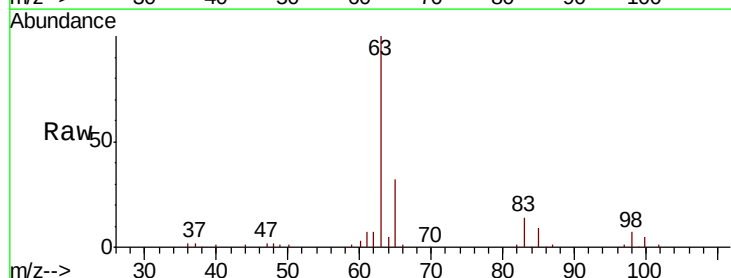
Tgt Ion: 63 Resp: 65410

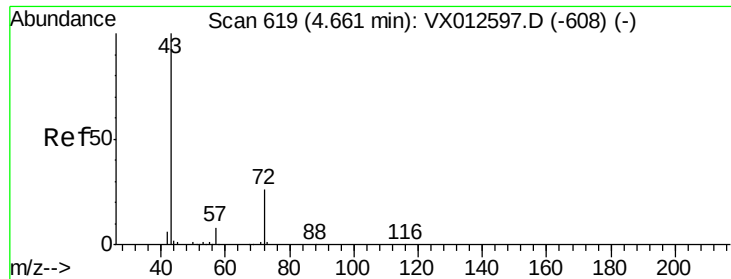
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 5.2 2.3 6.9





#25

2-Butanone

Concen: 81.738 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 43 Resp: 152438

Ion Ratio Lower Upper

43 100

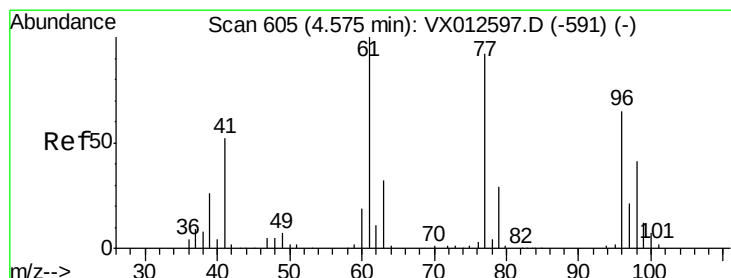
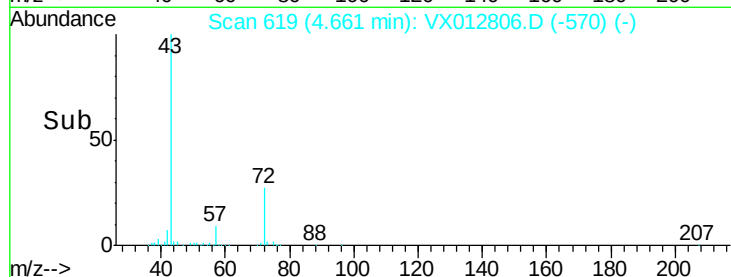
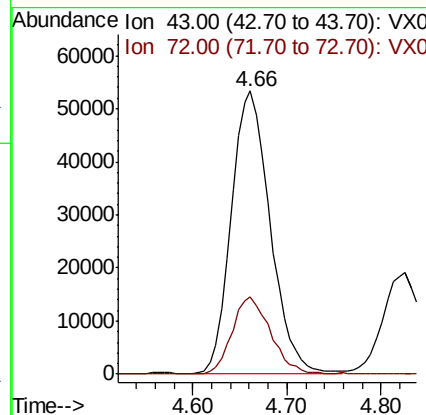
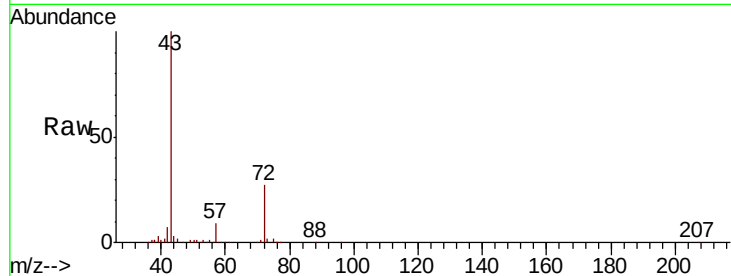
72 27.3 19.2 28.8

Manual Integrations

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MMDadoda

10/7/2019 9:26:59 AM



#26

2,2-Dichloropropane

Concen: 16.063 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012806.D

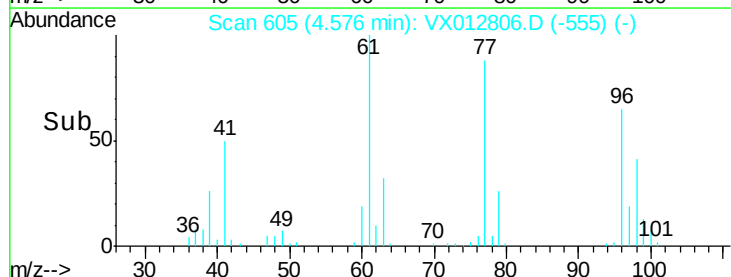
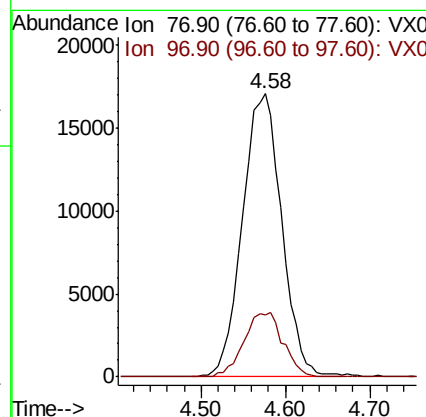
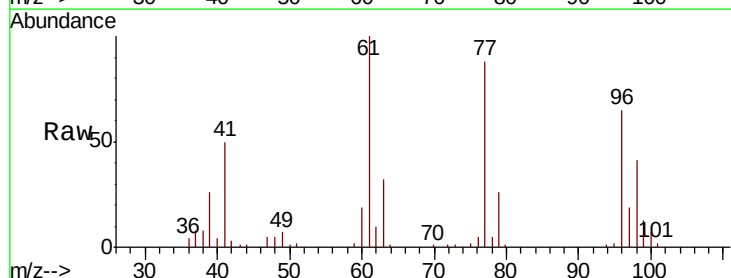
Acq: 04 Oct 2019 13:05

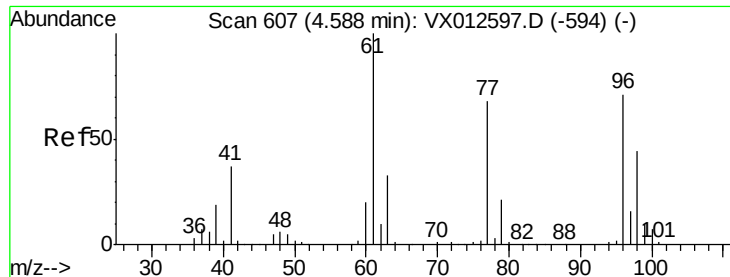
Tgt Ion: 77 Resp: 53977

Ion Ratio Lower Upper

77 100

97 22.6 10.5 31.6





#27

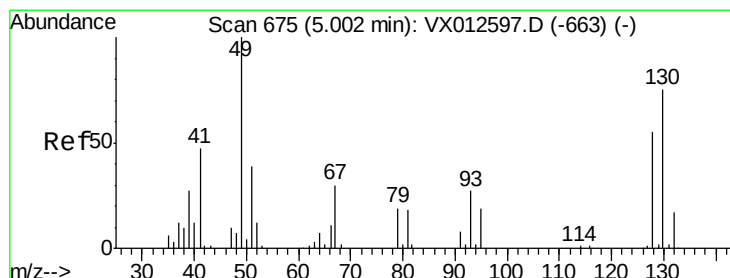
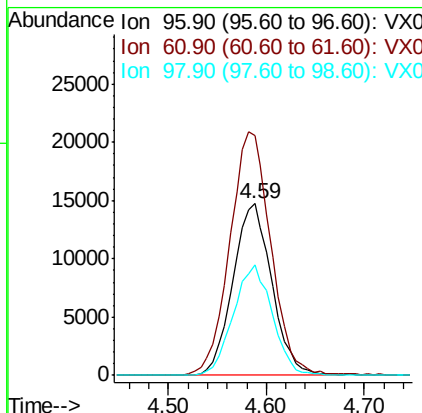
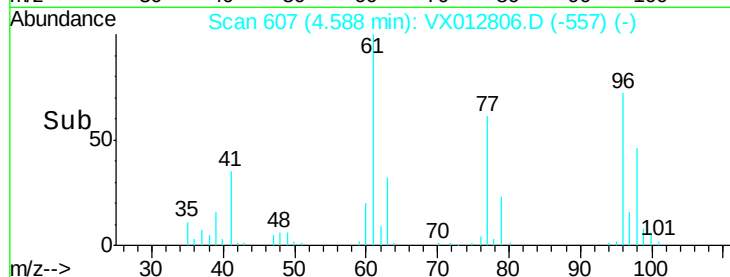
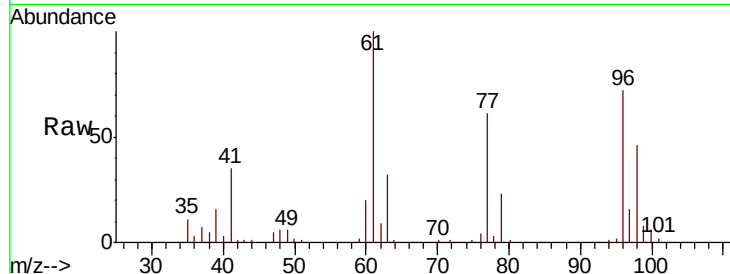
cis-1,2-Dichloroethene
Concen: 17.463 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	40700		
61	149.0	0.0	319.4	
98	64.0	0.0	130.6	

Manual Integrations
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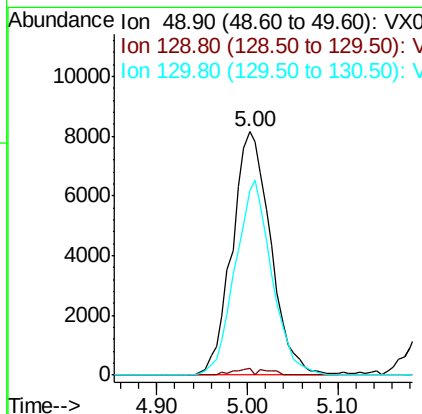
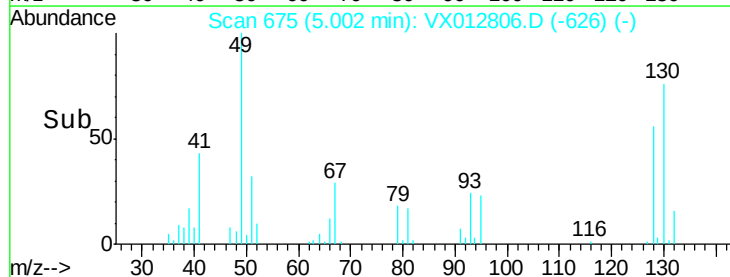
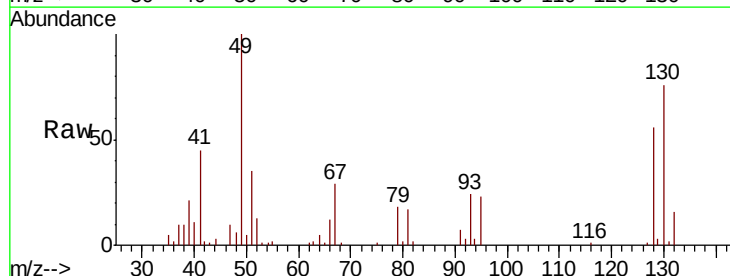
MMDadoda
10/7/2019 9:26:59 AM

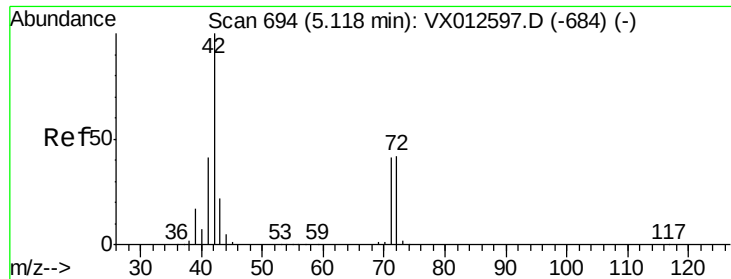


#28

Bromochloromethane
Concen: 17.532 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	24052		
129	1.3	0.0	3.8	
130	0.0	58.2	87.4#	





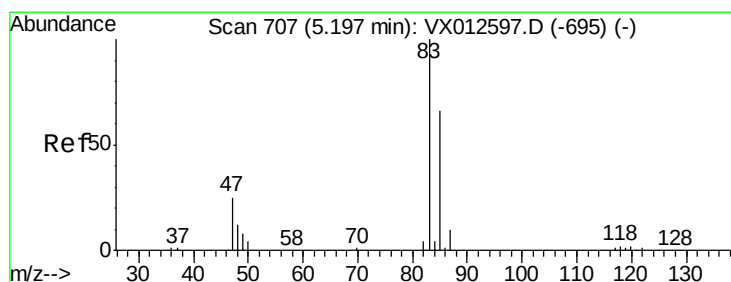
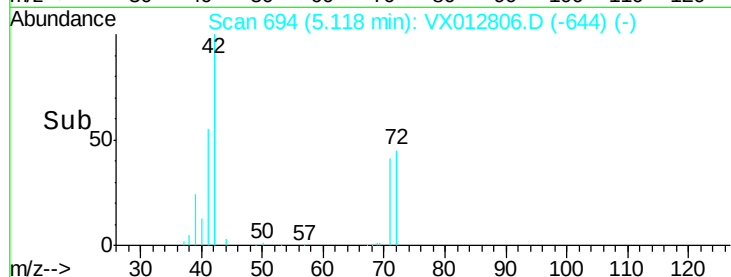
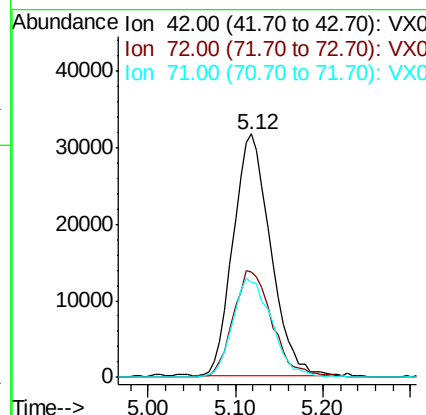
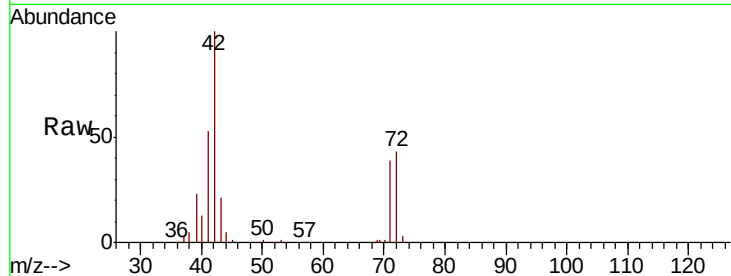
#29
Tetrahydrofuran
Concen: 83.078 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	34.0	51.0
71	42.6	31.5	47.3

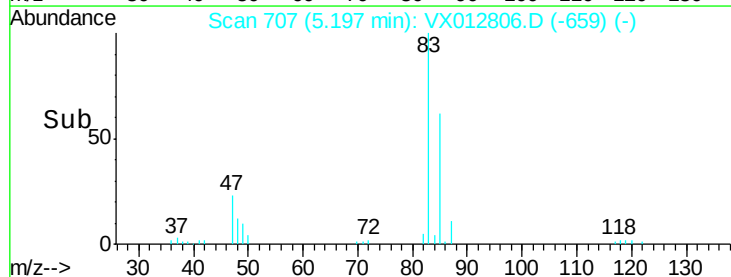
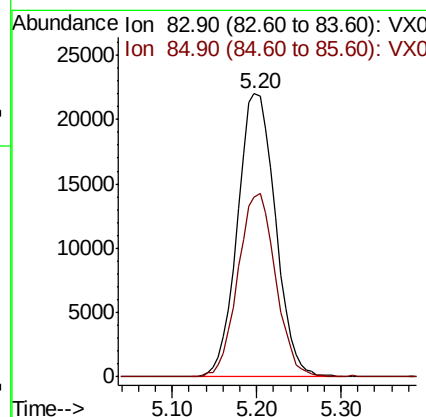
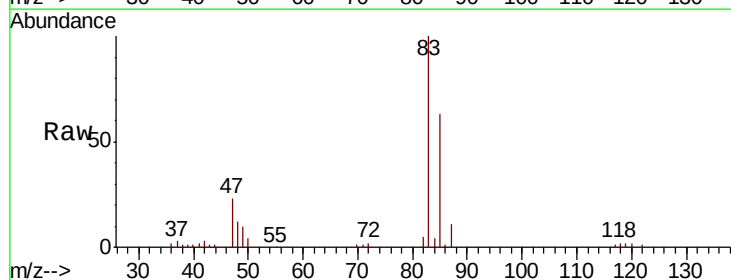
Manual Integrations
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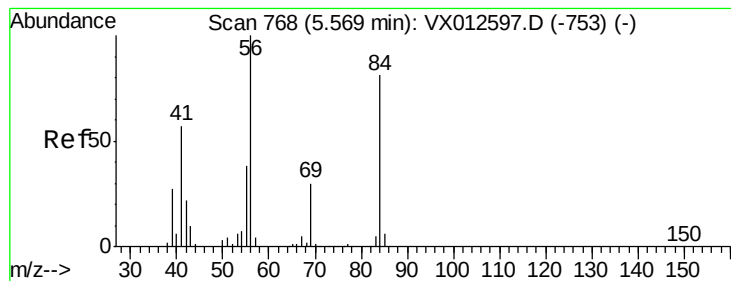
MMDadoda
10/7/2019 9:26:59 AM



#30
Chloroform
Concen: 17.350 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.0	79.4





#31

Cyclohexane

Concen: 16.709 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

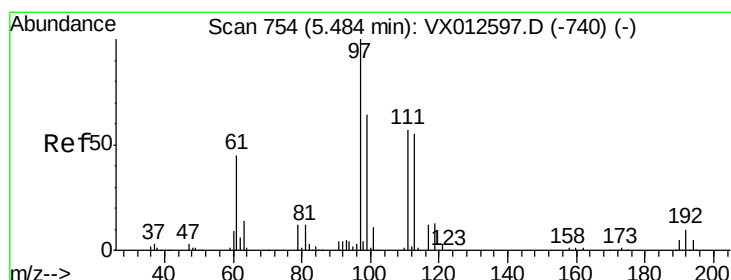
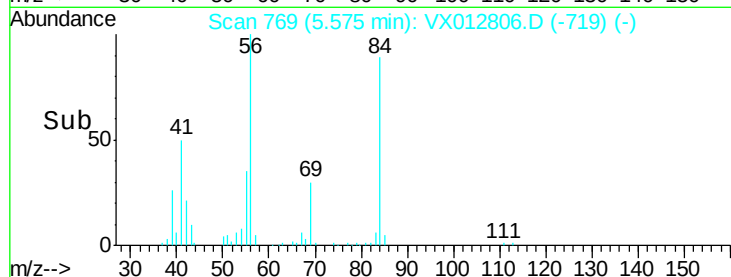
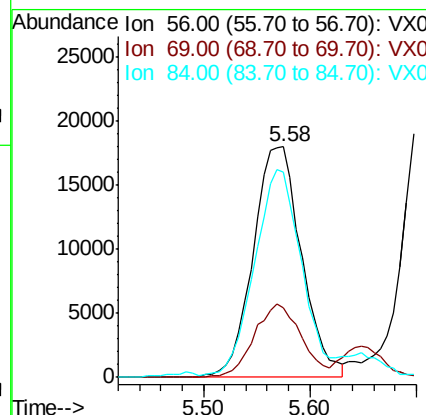
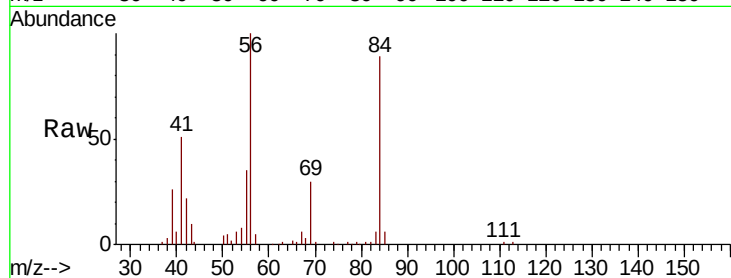
ClientSampleId :

VX1004MBS01

Tot Ion:	56	Resp:	57111
Ion Ratio	Lower	Upper	
56	100		
69	30.0	25.0	37.6
84	87.2	66.4	99.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 16.749 ug/l

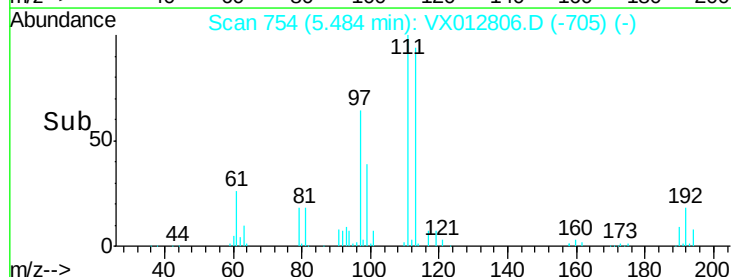
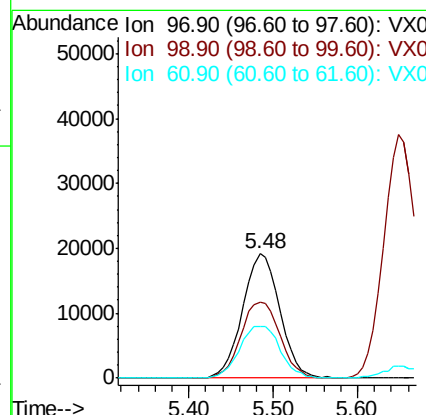
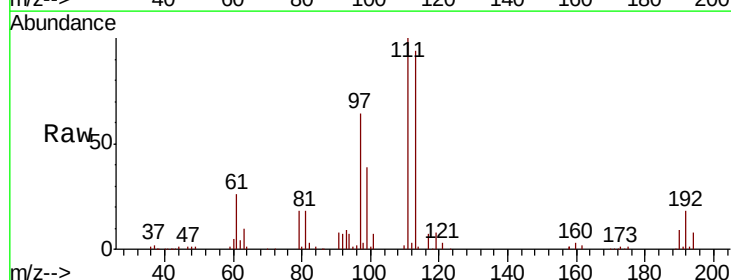
RT: 5.48 min Scan# 754

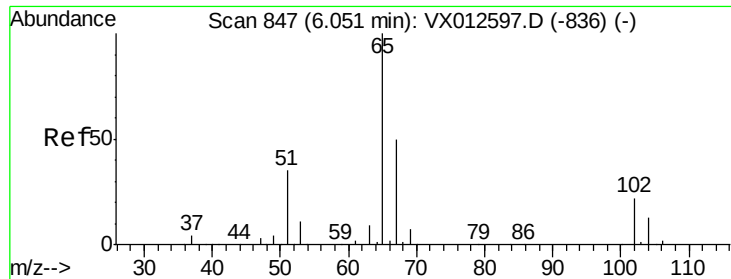
Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Tgt Ion:	97	Resp:	57380
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.3	76.9
61	45.6	36.1	54.1





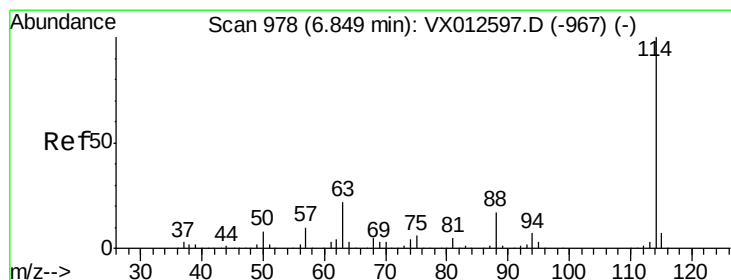
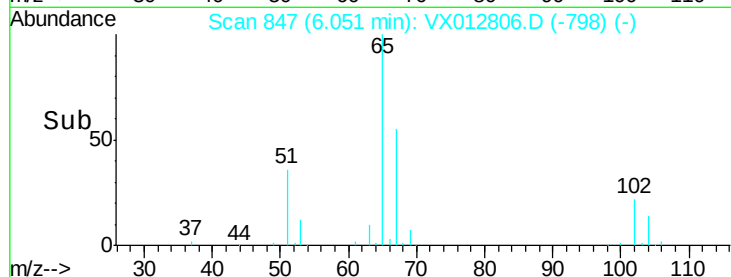
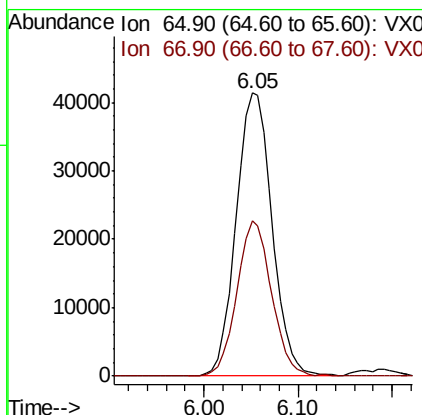
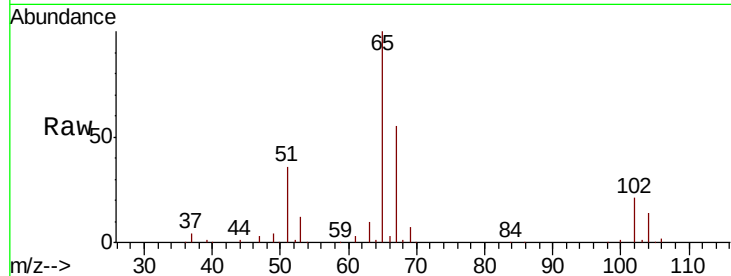
#33
 1,2-Dichloroethane-d4
 Concen: 44.990 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004MBS01

Tot Ion: 65 Resp: 110476
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 101.2

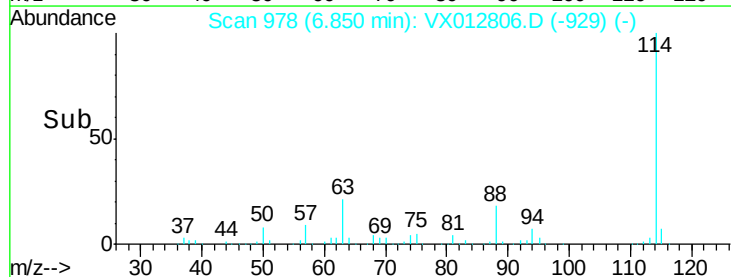
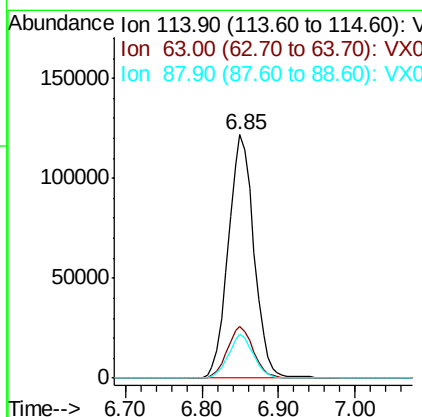
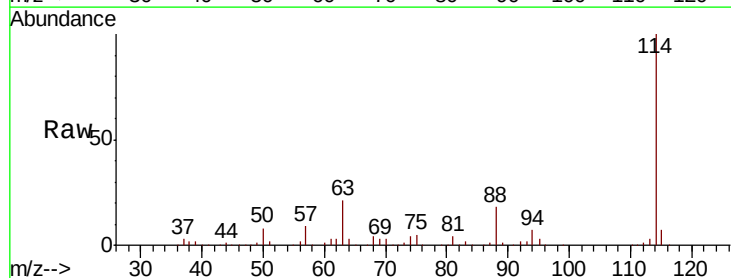
Manual Integrations
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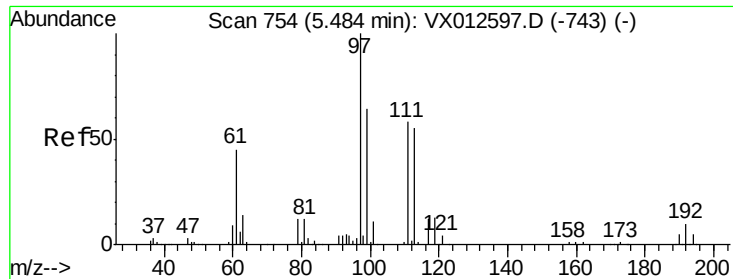
MMDadoda
 10/7/2019 9:26:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Tgt Ion: 114 Resp: 282875
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 17.8 0.0 33.2





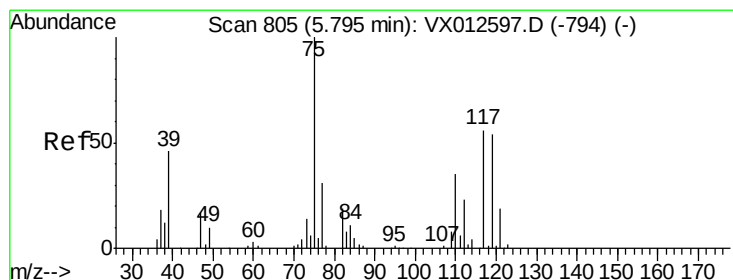
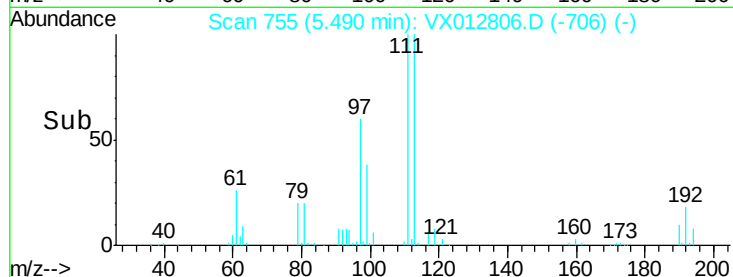
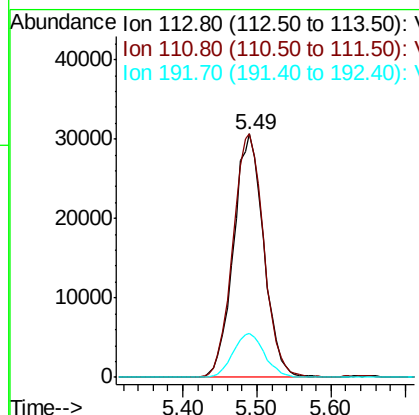
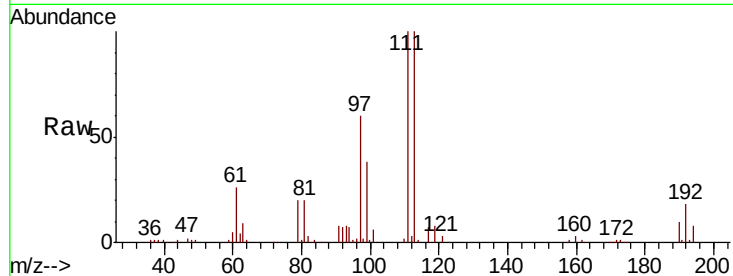
#35
 Dibromofluoromethane
 Concen: 51.556 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.2
192	18.9	14.4	21.6

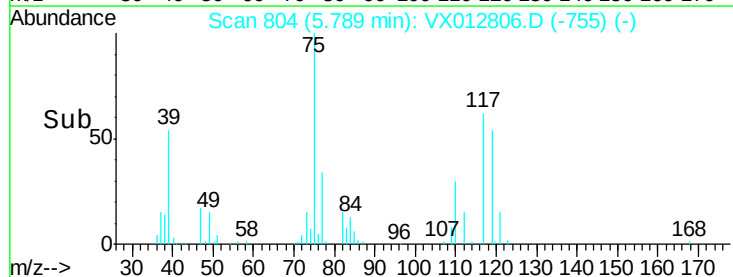
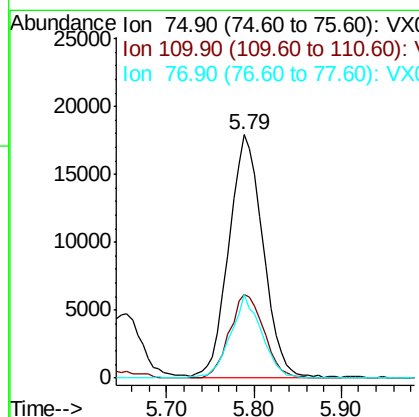
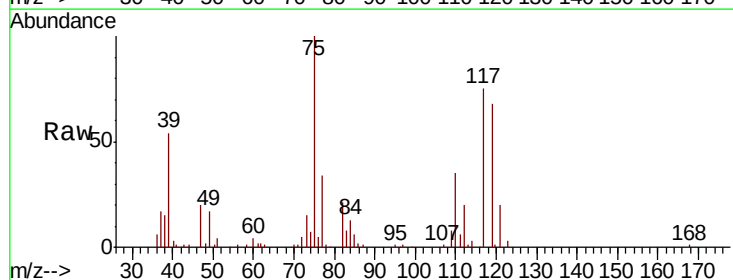
Manual Integrations
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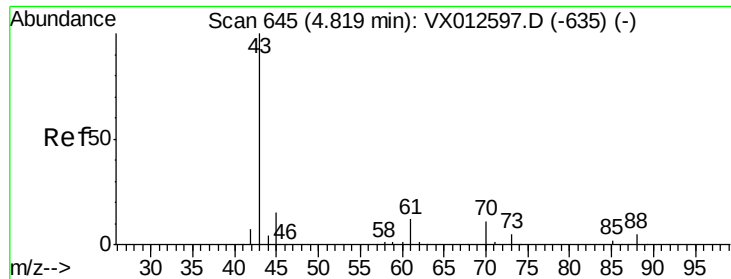
MMDadoda
 10/7/2019 9:26:59 AM



#36
 1,1-Dichloropropene
 Concen: 17.758 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.7	50.0
77	31.4	24.2	36.2





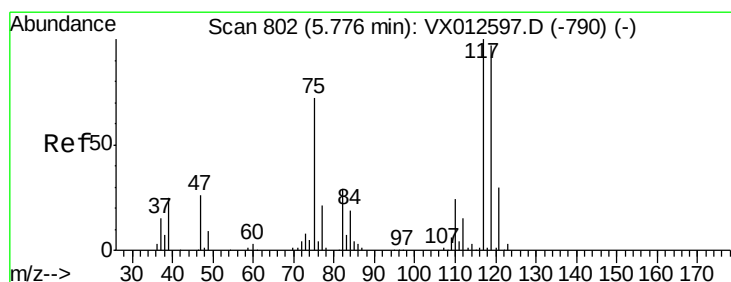
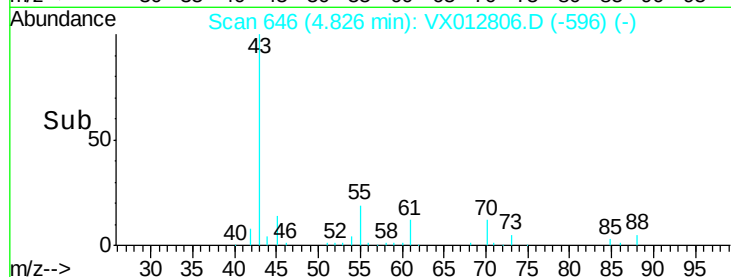
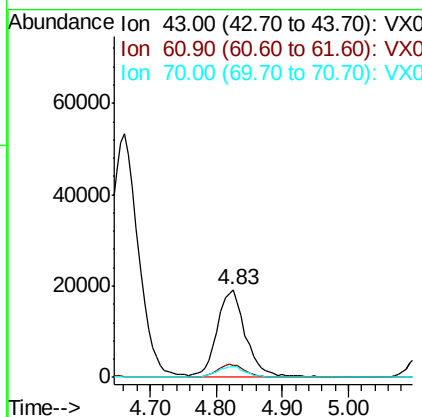
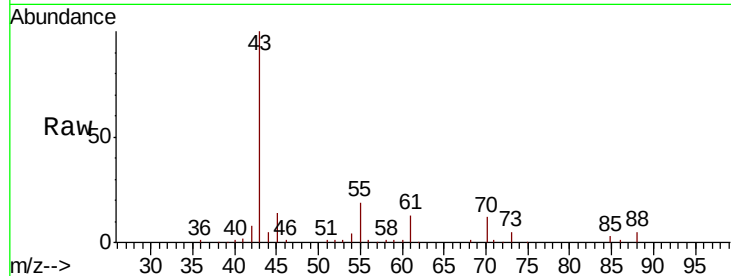
#37
Ethyl Acetate
Concen: 17.859 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.2	15.4
70	12.1	8.7	13.1

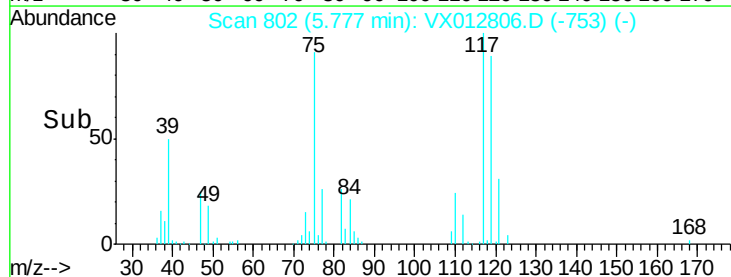
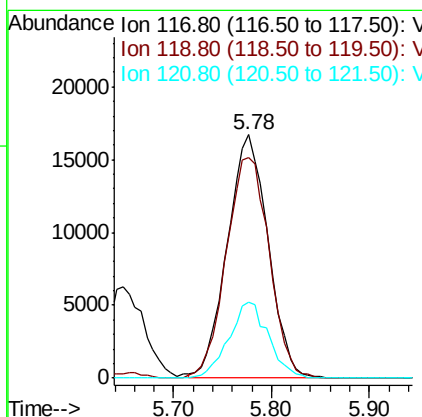
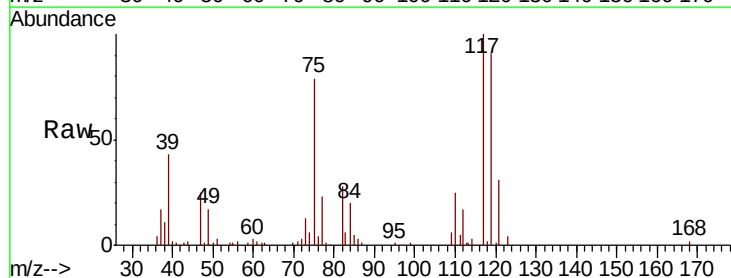
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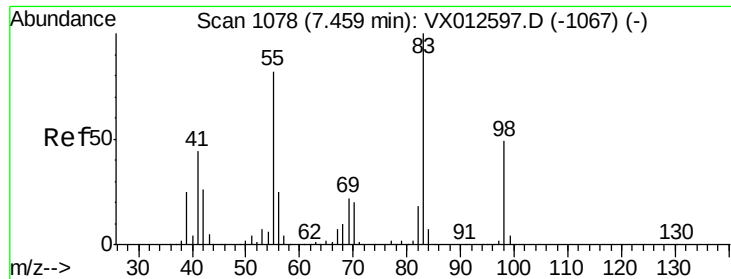
MMDadoda
10/7/2019 9:26:59 AM



#38
Carbon Tetrachloride
Concen: 17.443 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.7	113.5
121	31.2	24.2	36.4





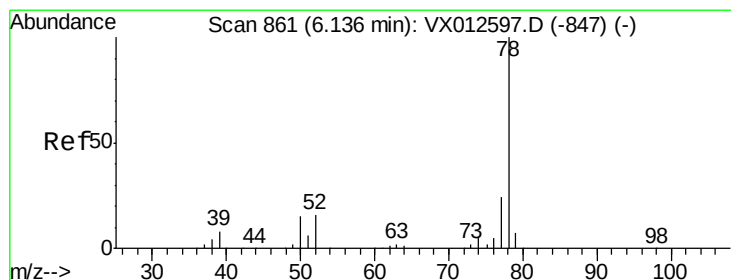
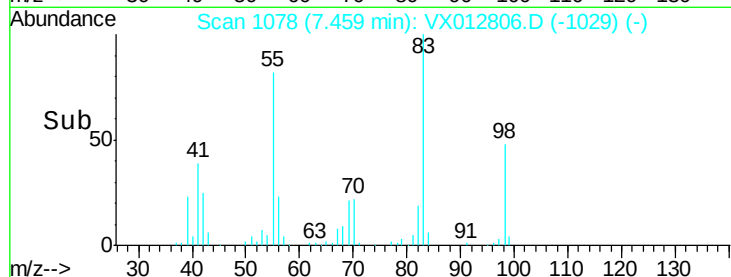
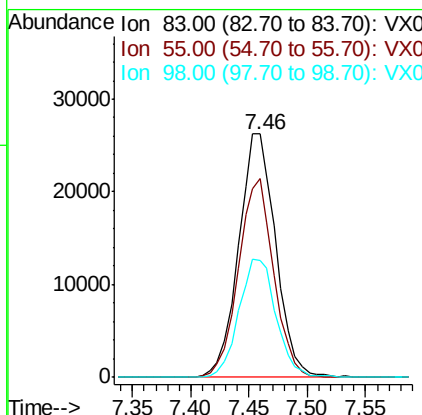
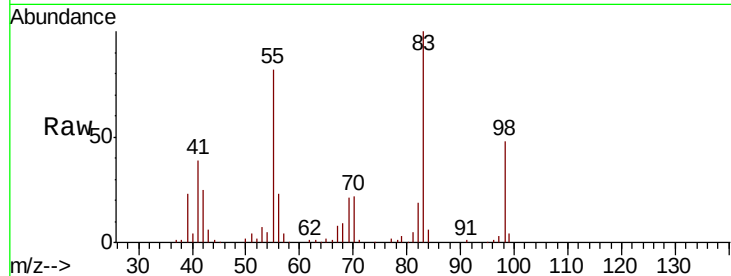
#39
Methylvlcyclohexane
Concen: 17.671 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	64.4	96.6
98	48.0	40.1	60.1

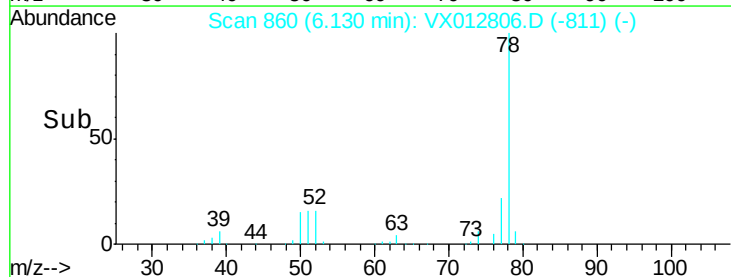
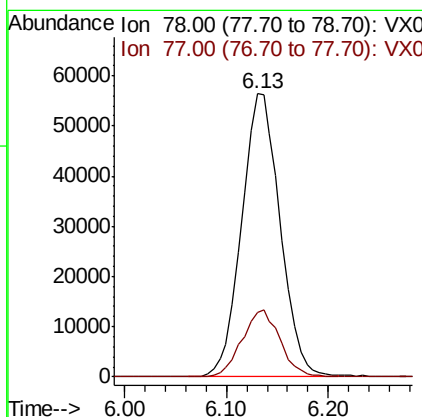
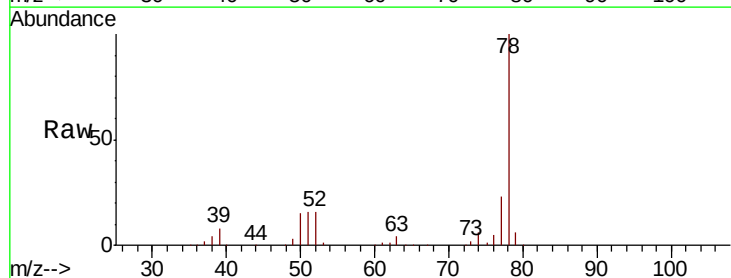
Manual Integrations
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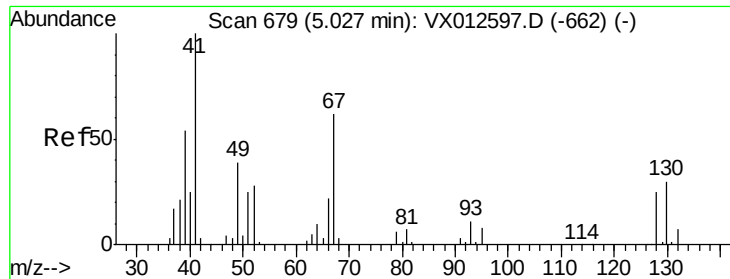
MMDadoda
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#40
Benzene
Concen: 18.433 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.2	28.8





#41

Methacrylonitrile

Concen: 16.931 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 41 Resp: 30282

Ion Ratio Lower Upper

41 100

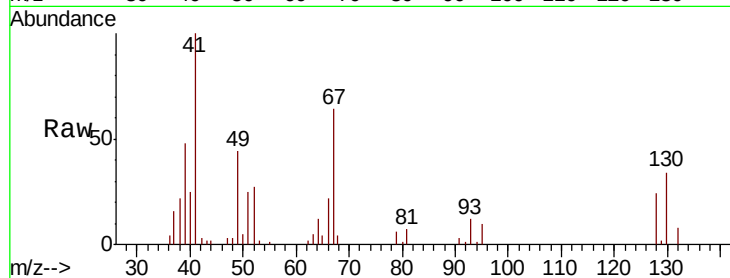
39 54.3 46.0 69.0

67 73.2 52.2 78.2

52 31.3 22.7 34.1

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10/7/2019 9:26:59 AM

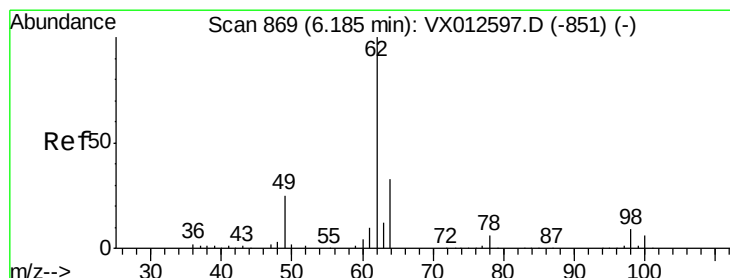
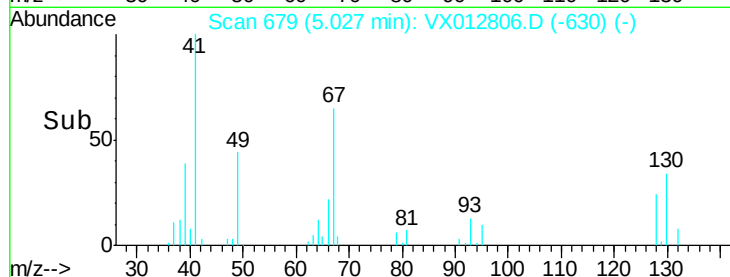
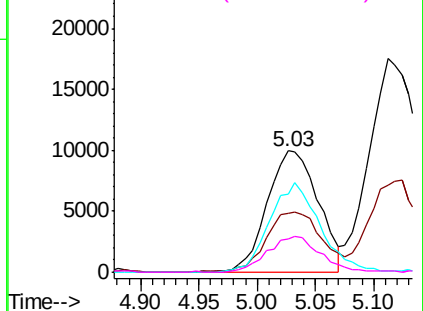


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.075 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012806.D

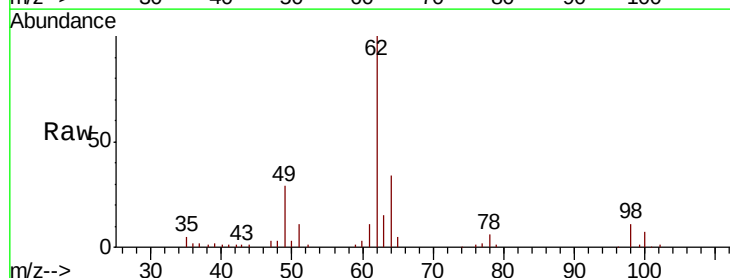
Acq: 04 Oct 2019 13:05

Tgt Ion: 62 Resp: 55064

Ion Ratio Lower Upper

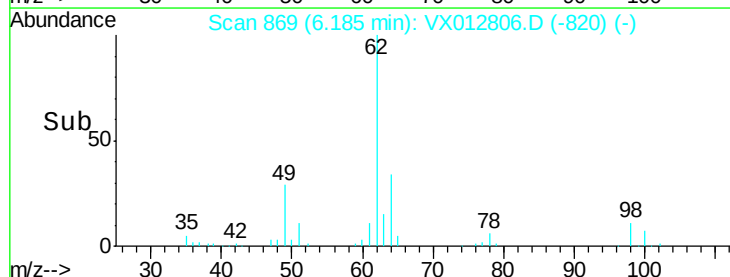
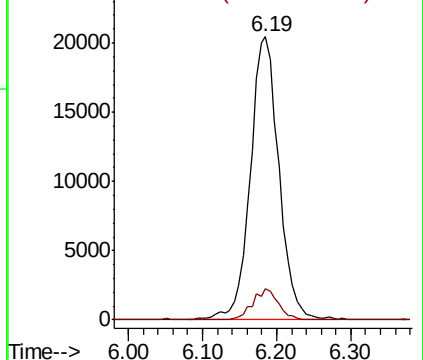
62 100

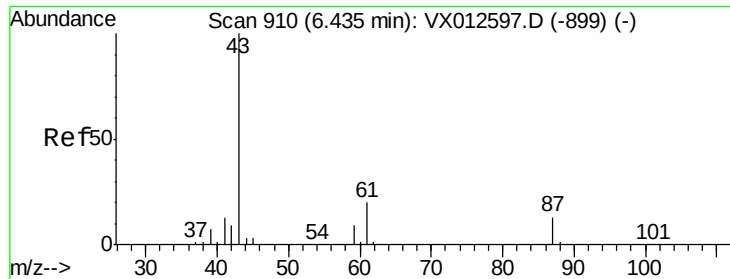
98 9.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 16.997 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

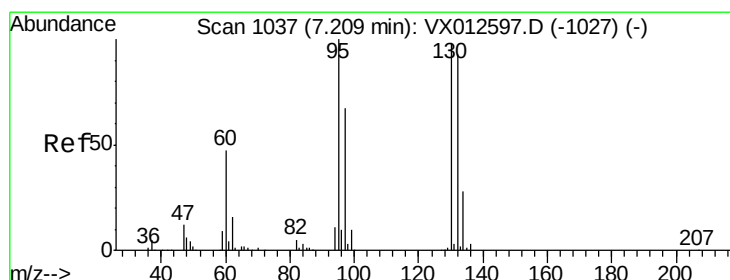
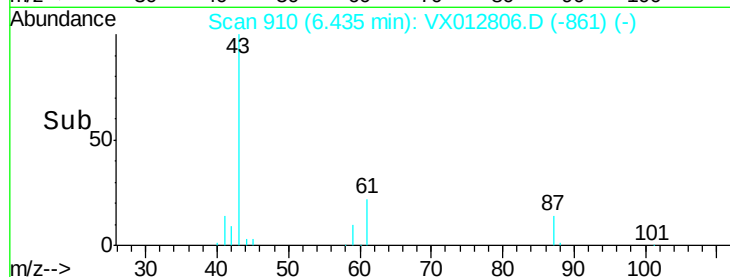
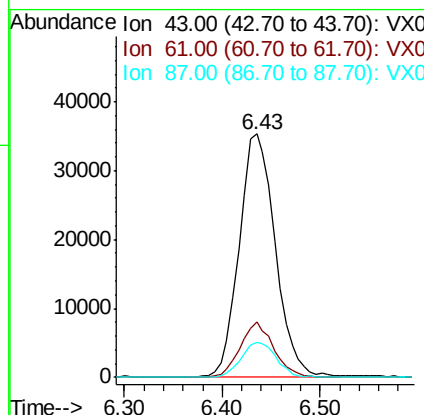
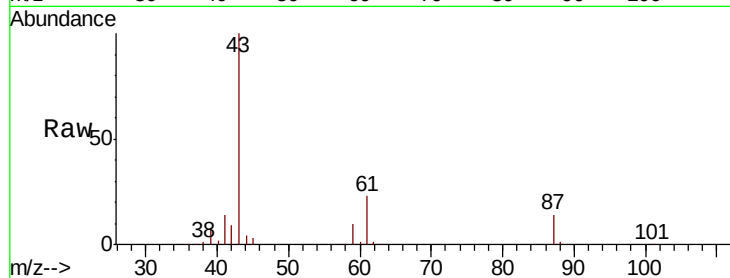
ClientSampleId :

VX1004MBS01

Tot Ion:	43	Resp:	90609
Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.4	23.0
87	14.1	9.8	14.8

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#44

Trichloroethene

Concen: 18.359 ug/l

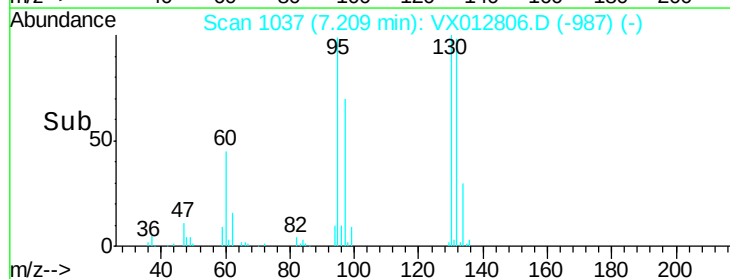
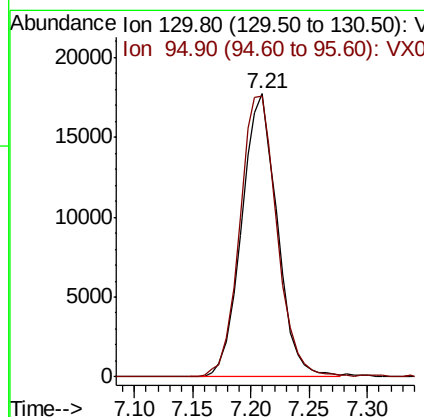
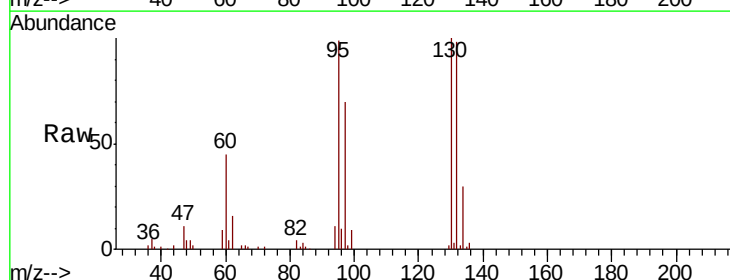
RT: 7.21 min Scan# 1037

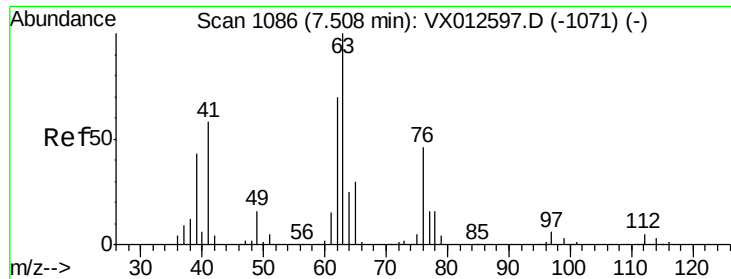
Delta R.T. 0.01 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Tgt Ion:	130	Resp:	37653
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	193.0





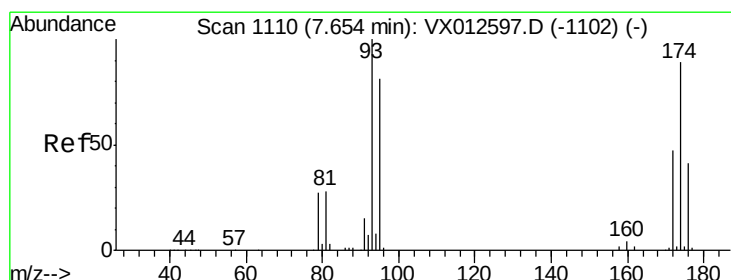
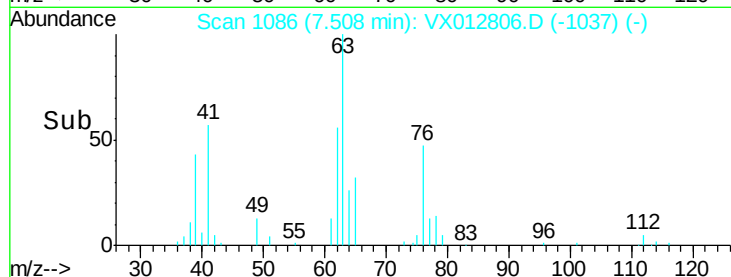
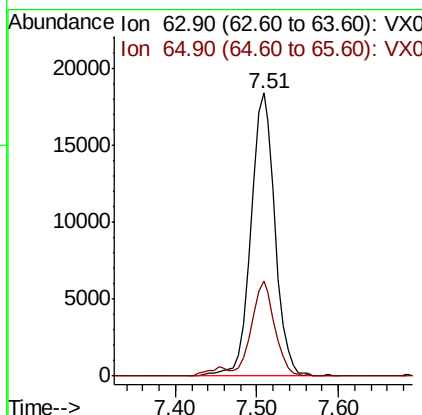
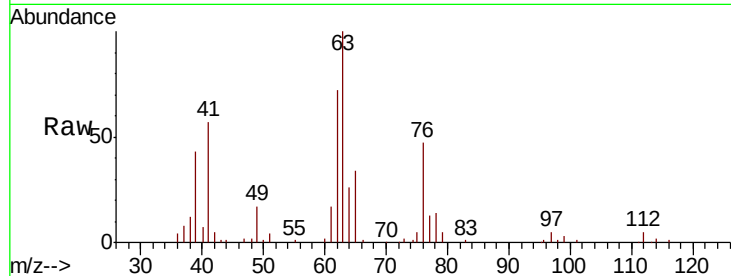
#45
 1,2-Dichloropropane
 Concen: 18.535 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX1004MBS01

Tot Ion: 63 Resp: 38070
 Ion Ratio Lower Upper
 63 100
 65 33.6 25.0 37.6

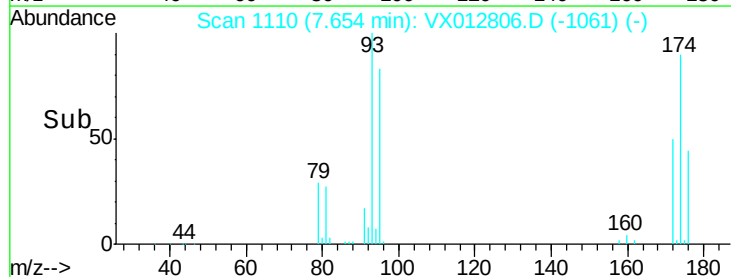
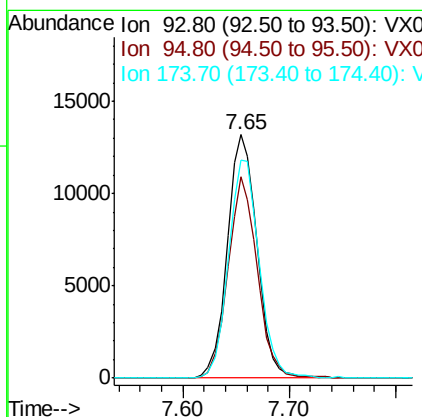
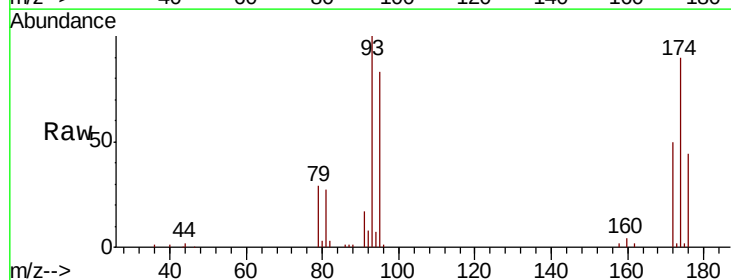
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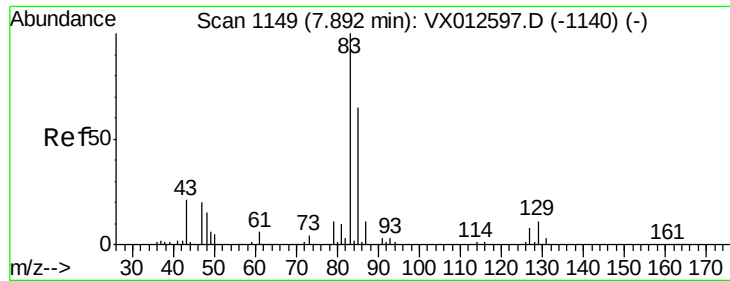
MMDadoda
 10/7/2019 9:26:59 AM



#46
 Dibromomethane
 Concen: 18.394 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Tgt Ion: 93 Resp: 25723
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.6 100.0
 174 92.7 77.4 116.0





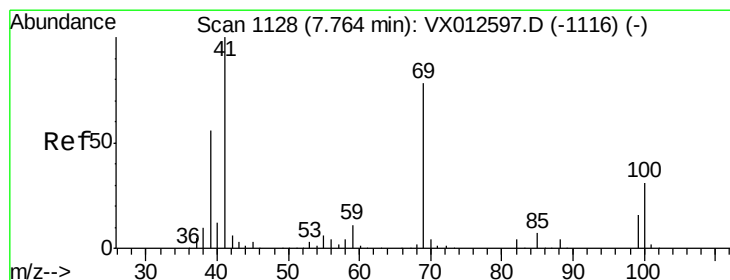
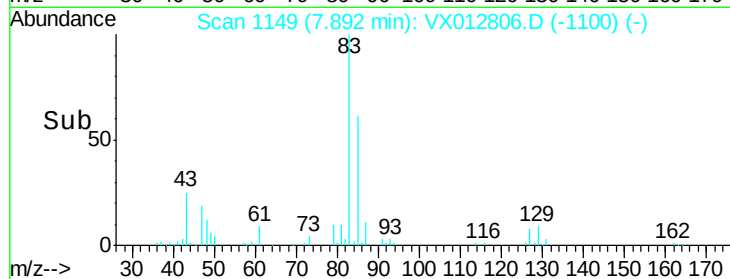
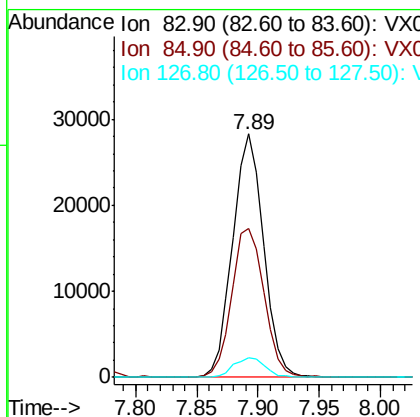
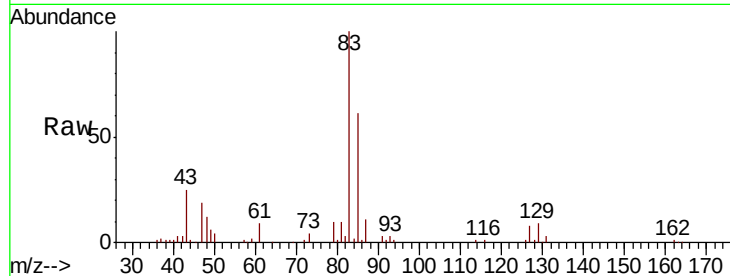
#47
Bromodichloromethane
Concen: 17.760 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion	83	Resp	49639
Ion Ratio	100	Lower	Upper
83	100		
85	61.1	51.8	77.6
127	8.3	7.3	10.9

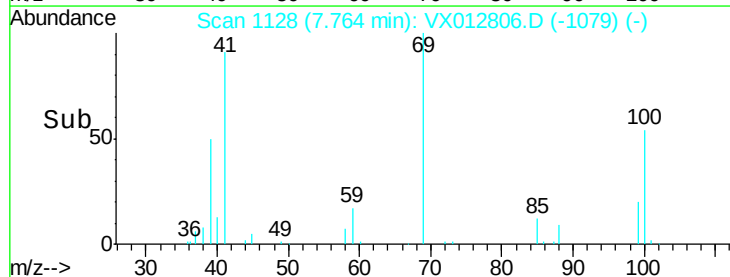
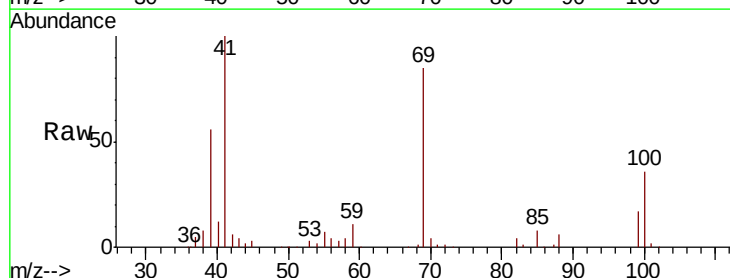
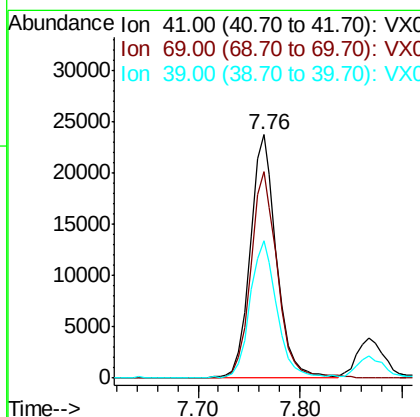
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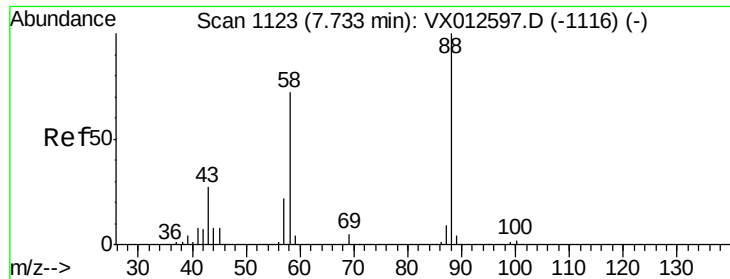
MMDadoda
10/7/2019 9:26:59 AM



#48
Methyl methacrylate
Concen: 16.697 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	41	Resp	42679
Ion Ratio	100	Lower	Upper
41	100		
69	85.9	59.9	89.9
39	57.9	47.8	71.6





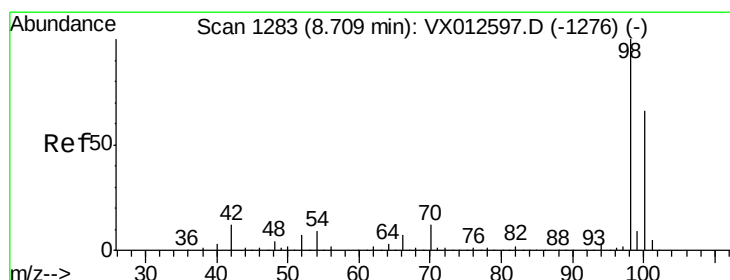
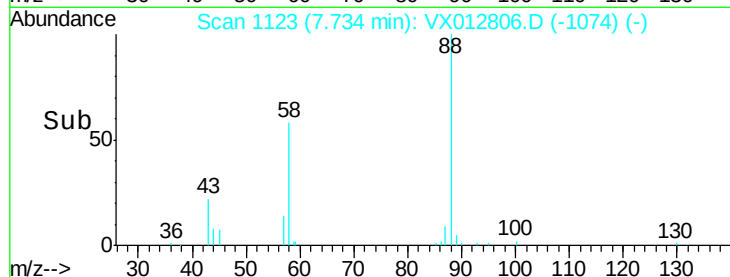
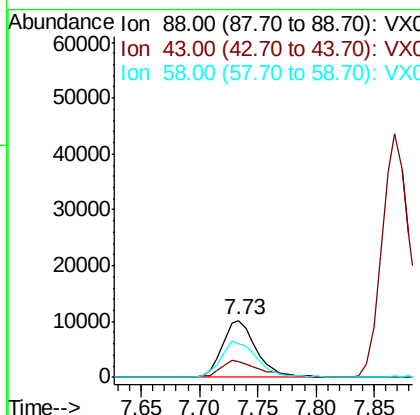
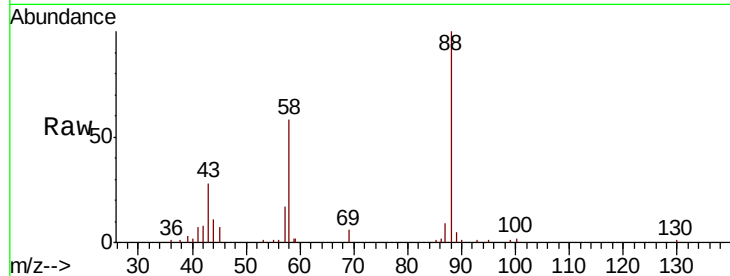
#49
1,4-Dioxane
Concen: 354.245 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	29.4	44.0
58	67.1	57.5	86.3

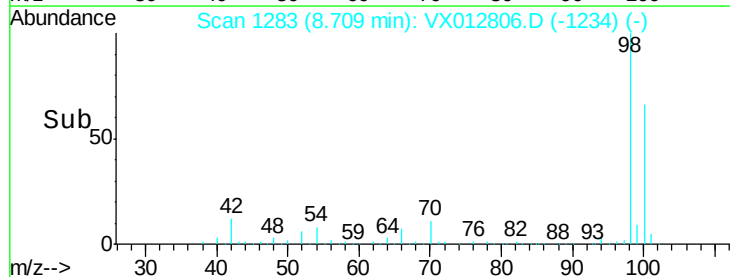
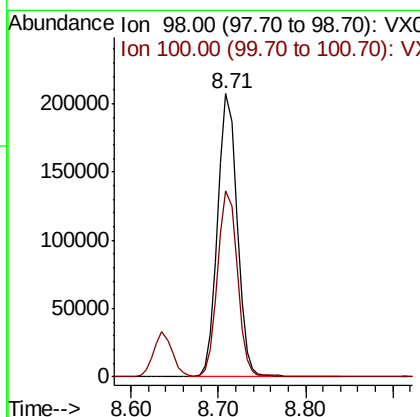
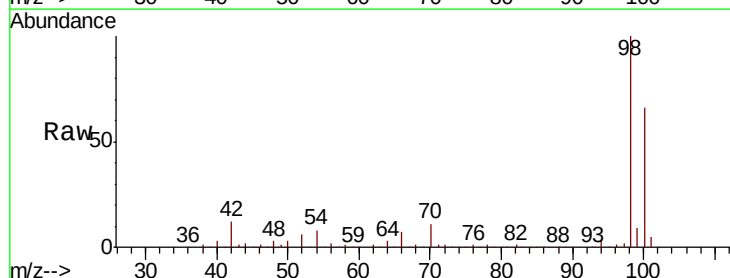
Manual Integrations
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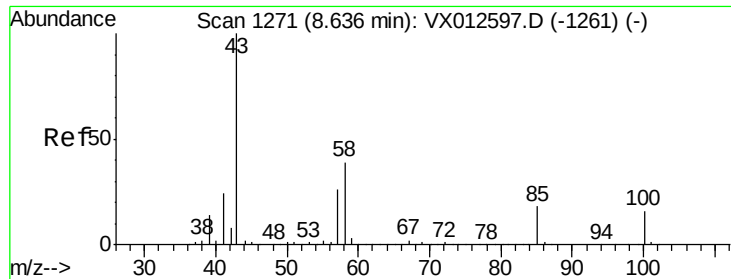
MMDadoda
10/7/2019 9:26:59 AM



#50
Toluene-d8
Concen: 49.759 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 88.578 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 43 Resp: 291476

Ion Ratio Lower Upper

43 100

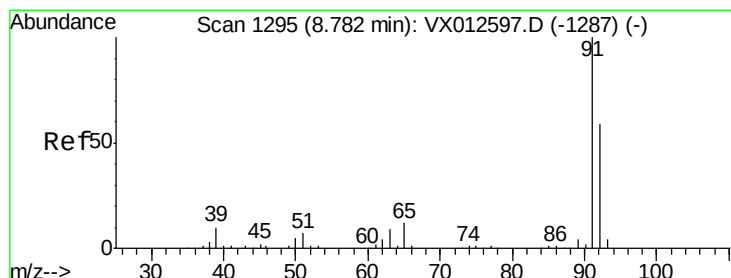
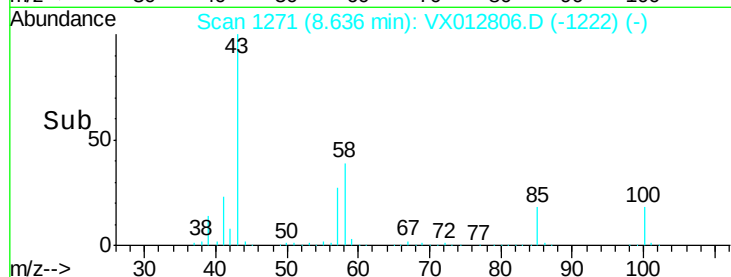
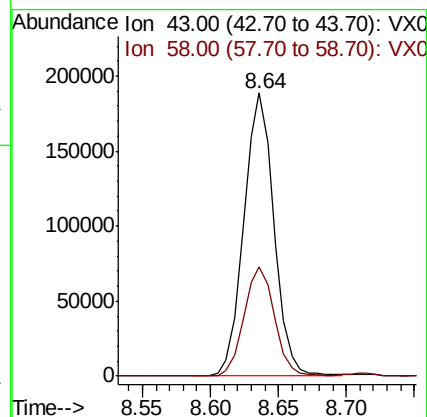
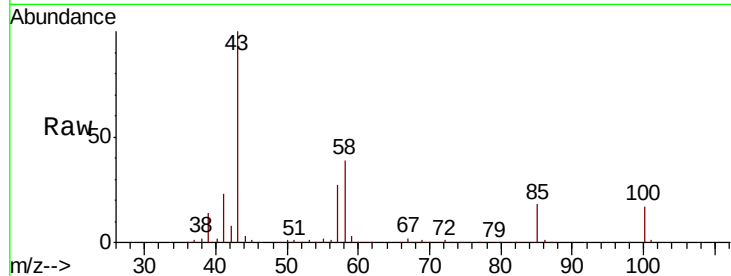
58 39.0 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 18.137 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012806.D

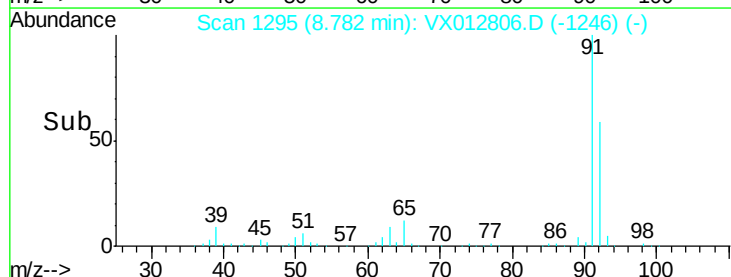
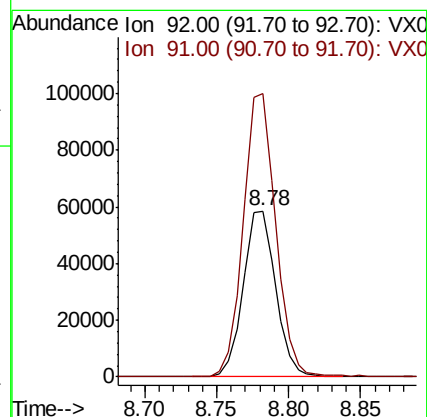
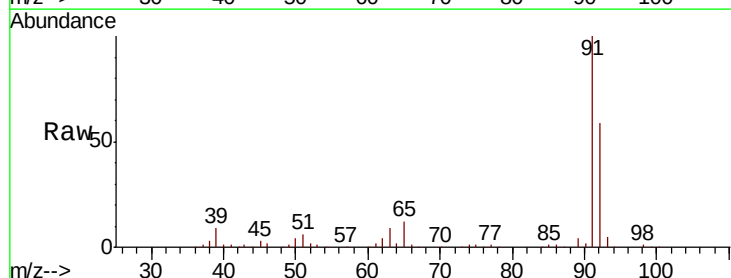
Acq: 04 Oct 2019 13:05

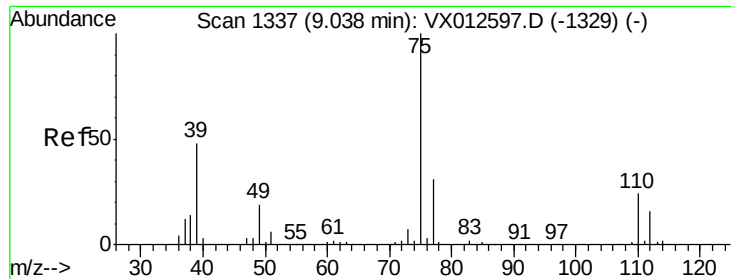
Tgt Ion: 92 Resp: 91450

Ion Ratio Lower Upper

92 100

91 171.7 135.4 203.0





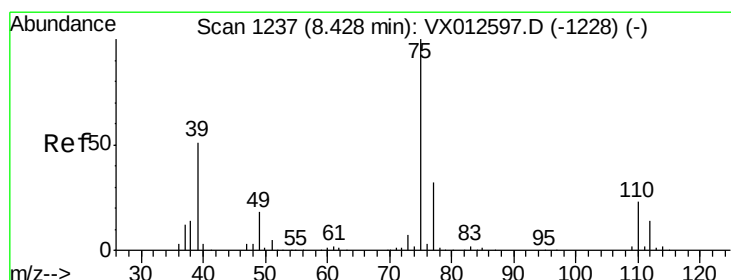
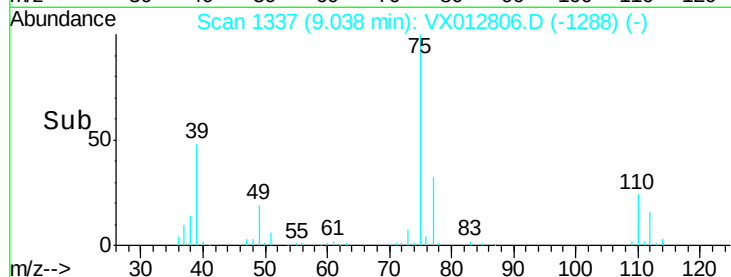
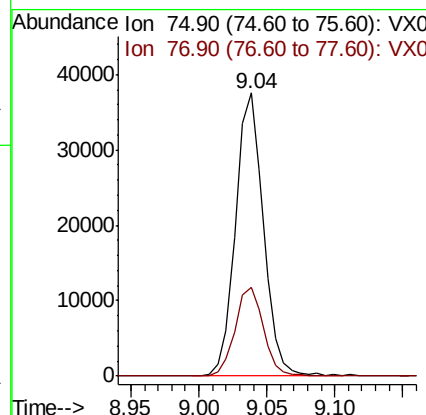
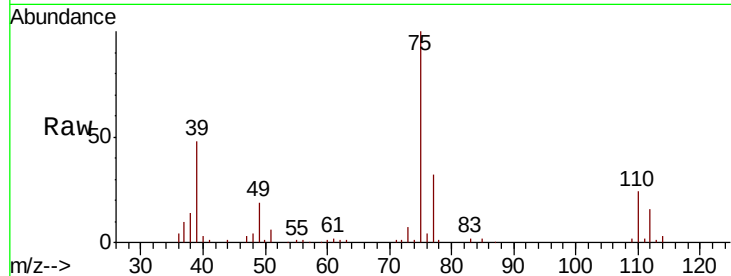
#53
t-1,3-Dichloropropene
Concen: 17.350 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion: 75 Resp: 53653
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

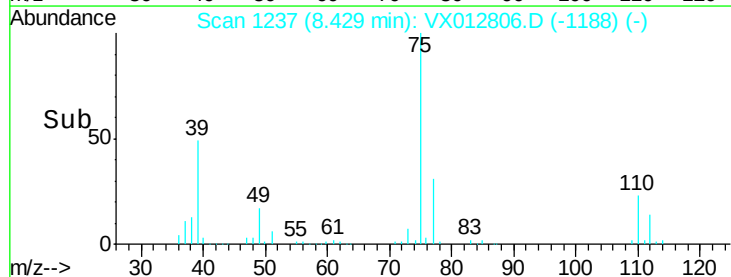
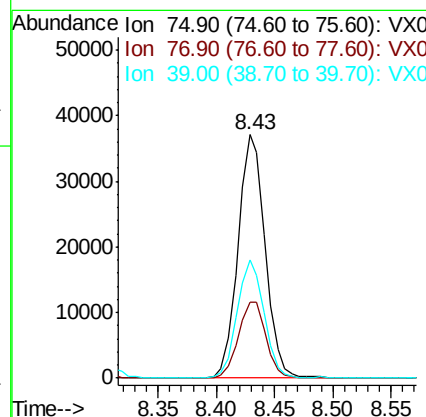
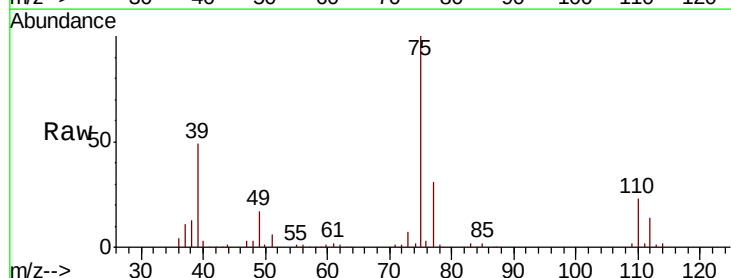
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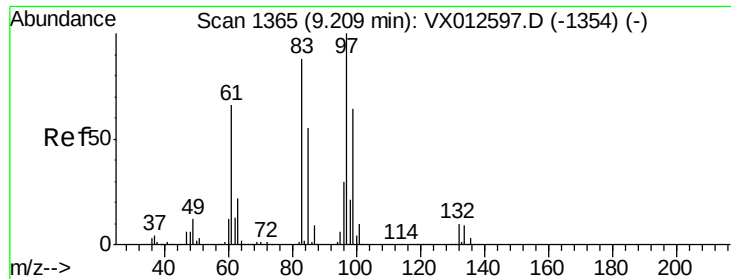
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.820 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion: 75 Resp: 60165
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.8
39 48.8 45.5 68.3





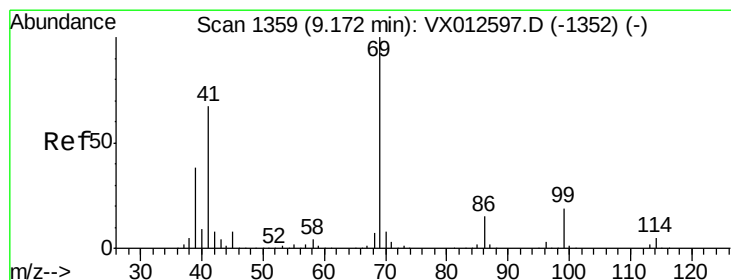
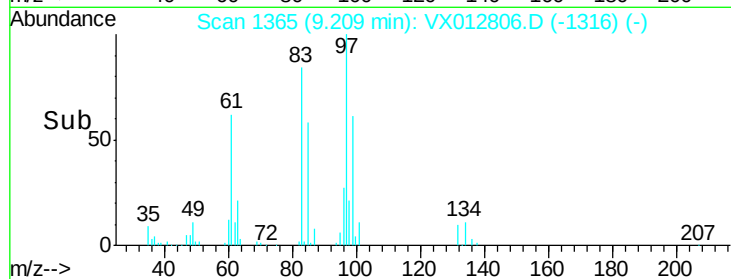
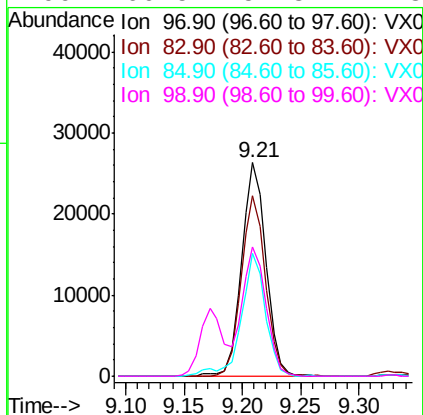
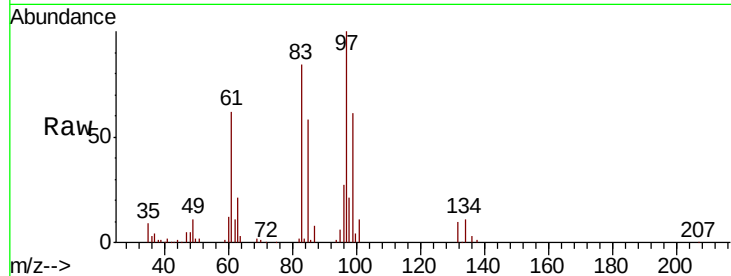
#55
 1,1,2-Trichloroethane
 Concen: 19.180 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.2
85	57.6	43.5	65.3
99	60.5	51.8	77.8

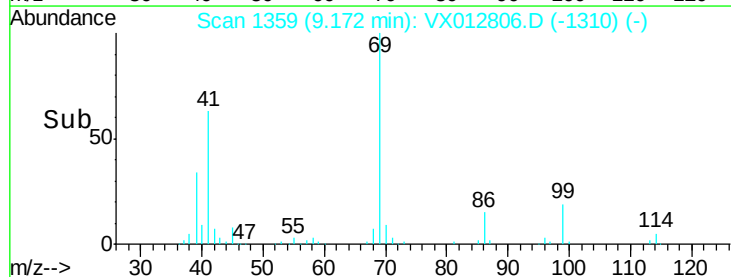
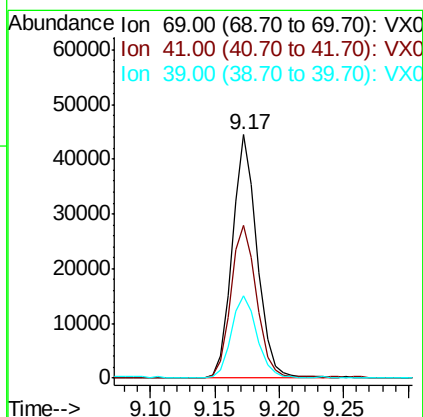
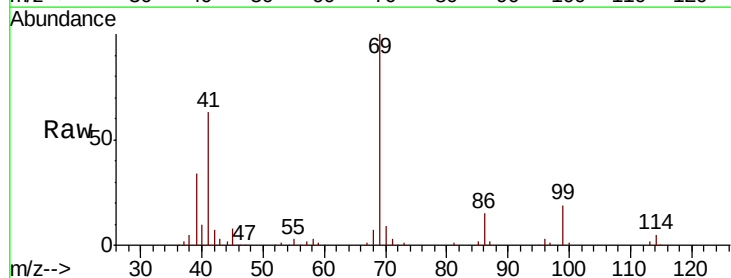
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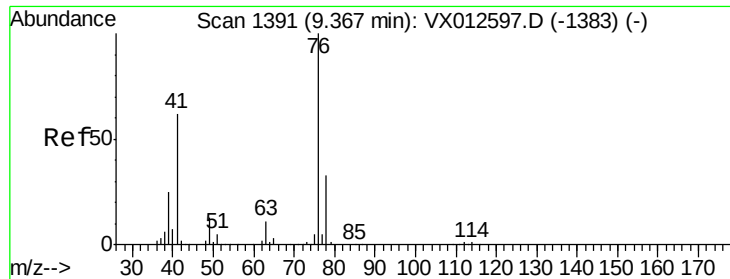
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#56
 Ethyl methacrylate
 Concen: 17.775 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.9	58.4	87.6
39	35.6	33.4	50.0





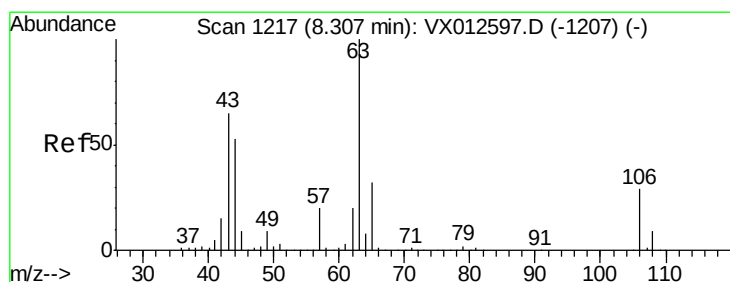
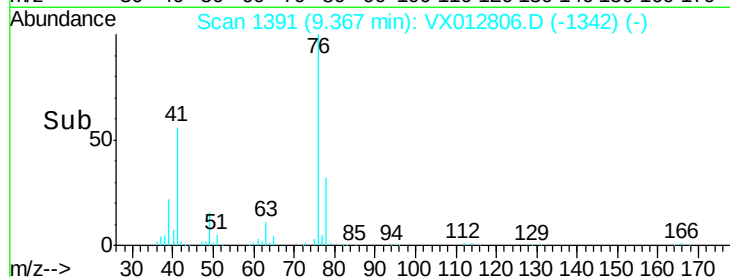
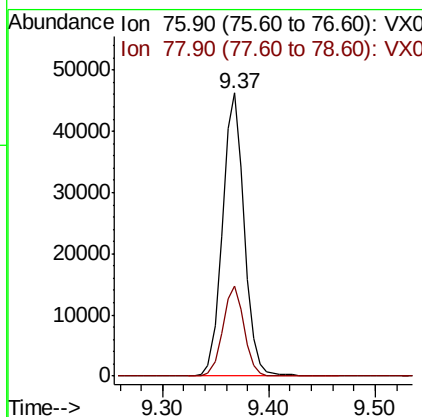
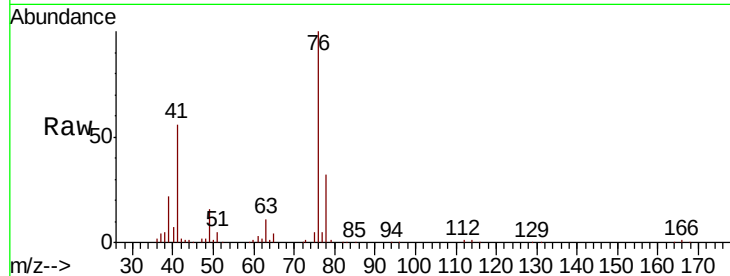
#57
 1,3-Dichloropropane
 Concen: 18.769 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004MBS01

Tot Ion: 76 Resp: 65850
 Ion Ratio Lower Upper
 76 100
 78 31.1 26.2 39.2

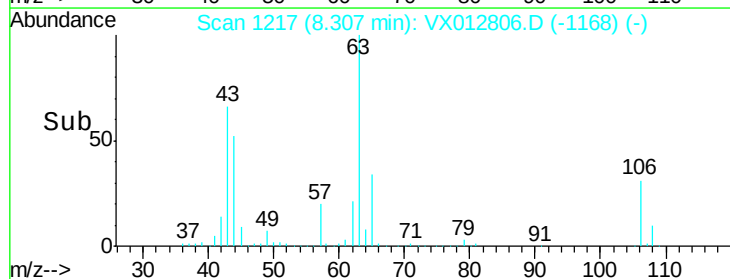
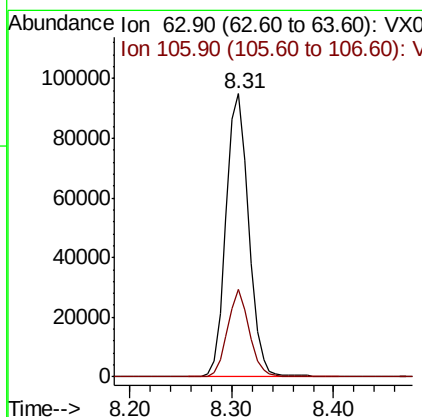
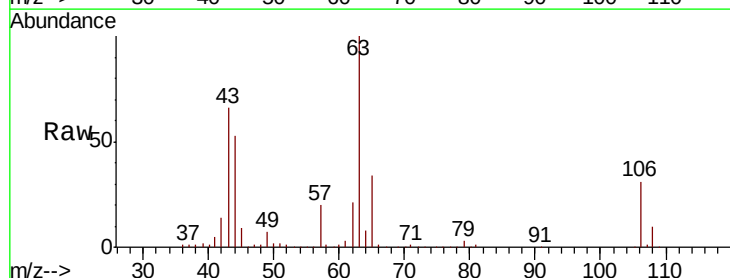
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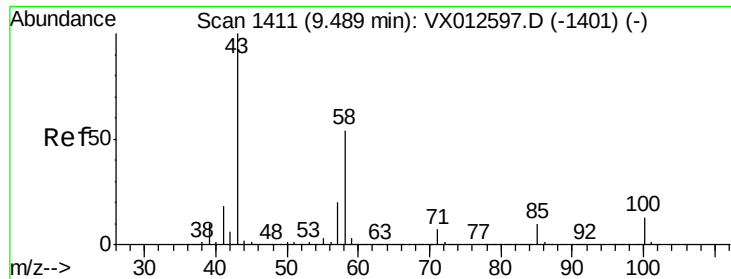
MMDadoda
 10/7/2019 9:26:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.980 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Tgt Ion: 63 Resp: 146606
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.6





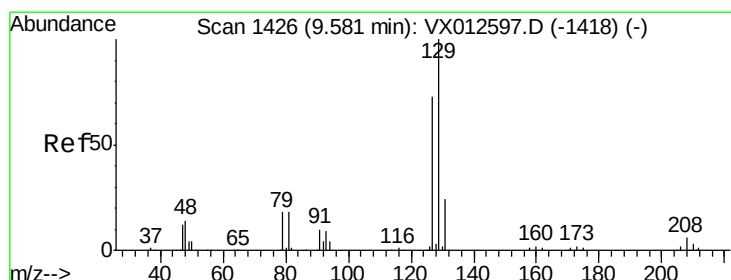
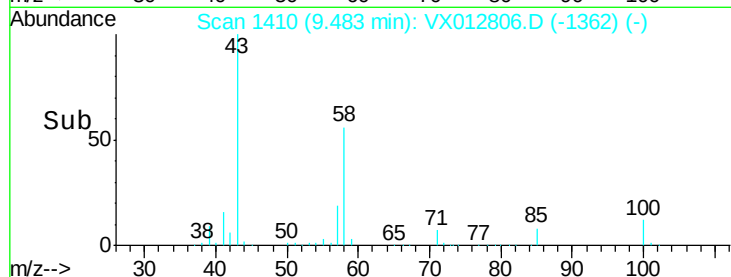
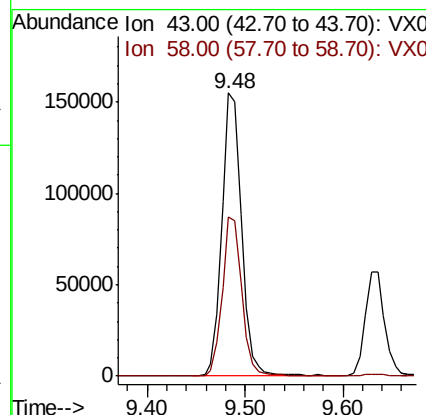
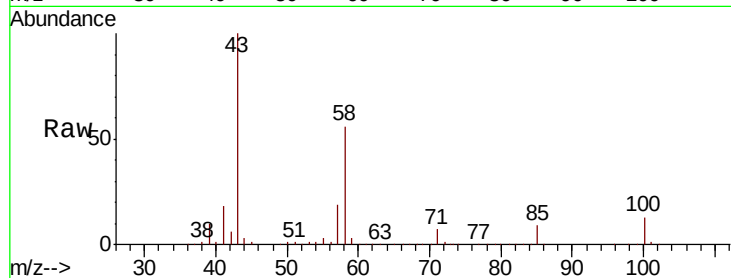
#59
2-Hexanone
Concen: 86.649 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion: 43 Resp: 218250
Ion Ratio Lower Upper
43 100
58 55.4 25.7 77.1

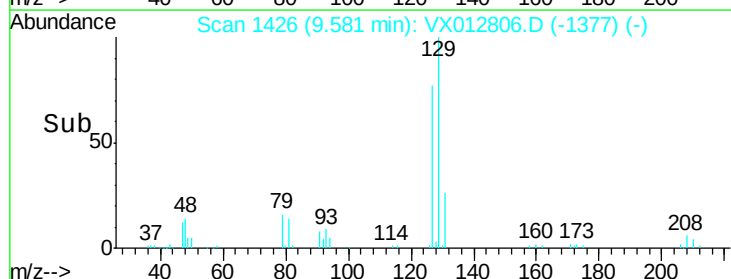
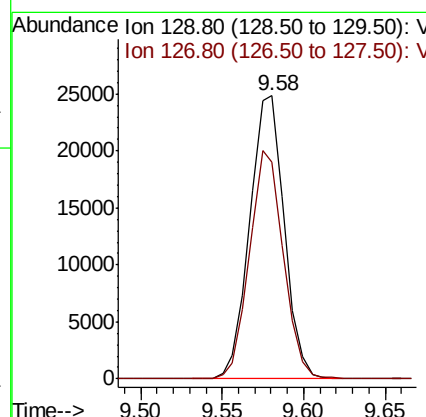
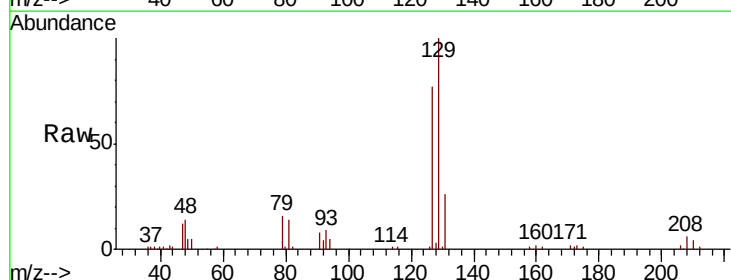
Manual Integrations
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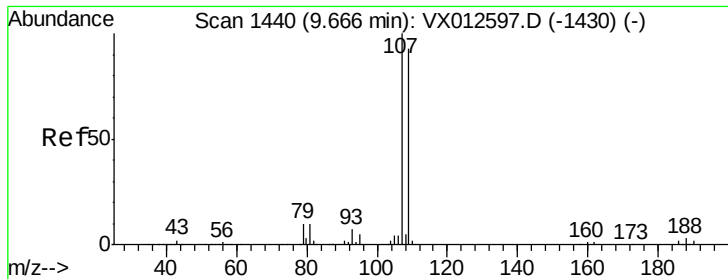
MMDadoda
10/7/2019 9:26:59 AM



#60
Dibromochloromethane
Concen: 18.069 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion: 129 Resp: 36666
Ion Ratio Lower Upper
129 100
127 79.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.160 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 107 Resp: 39972

Ion Ratio Lower Upper

107 100

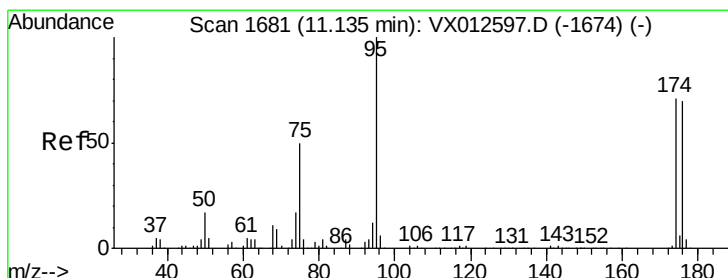
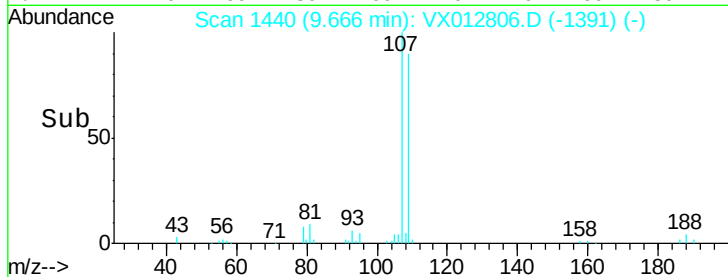
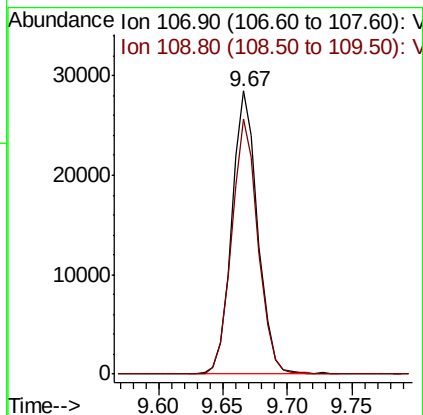
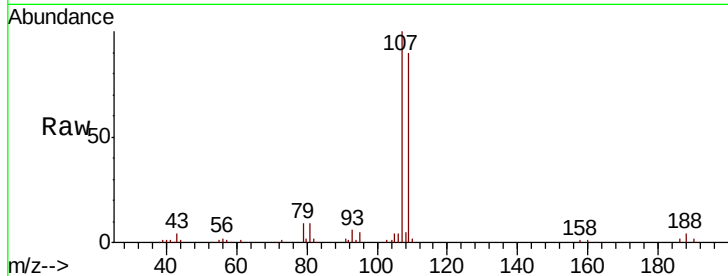
109 91.1 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 48.451 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

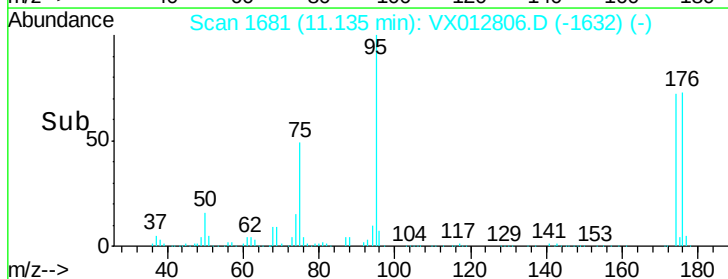
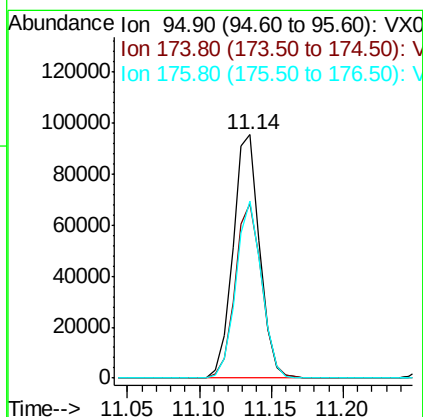
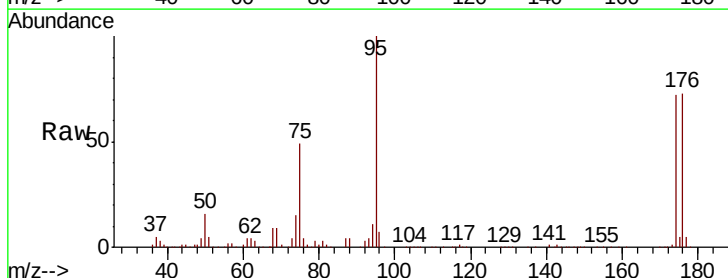
Tgt Ion: 95 Resp: 123596

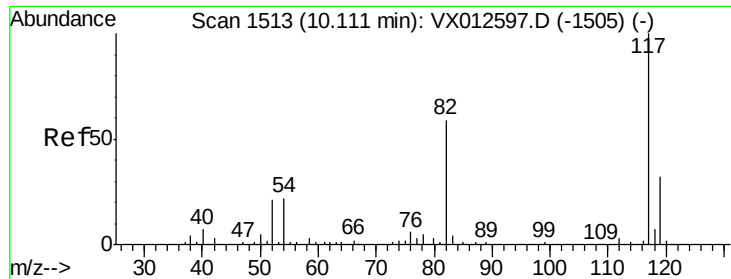
Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.0

176 70.0 0.0 135.4





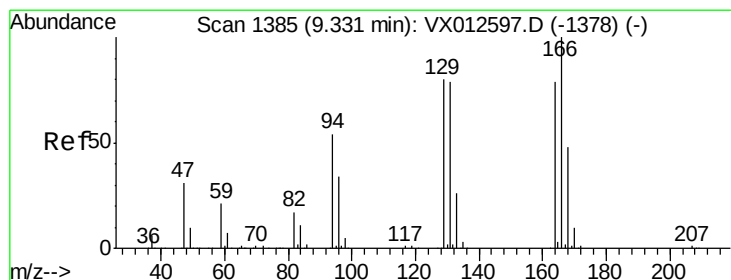
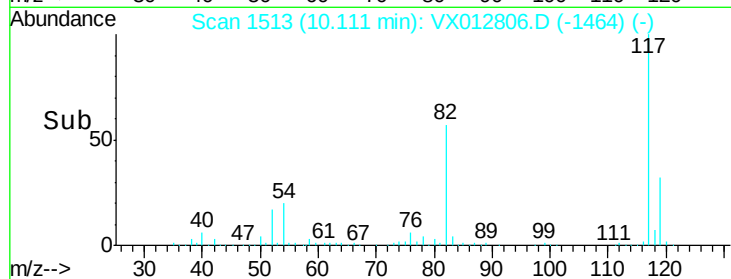
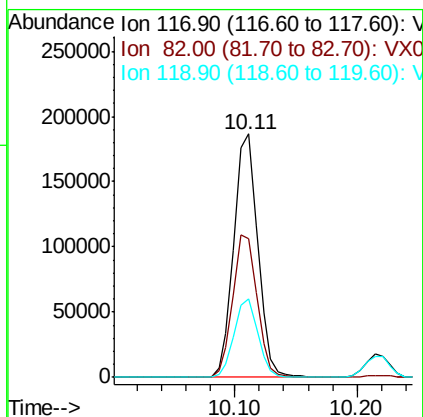
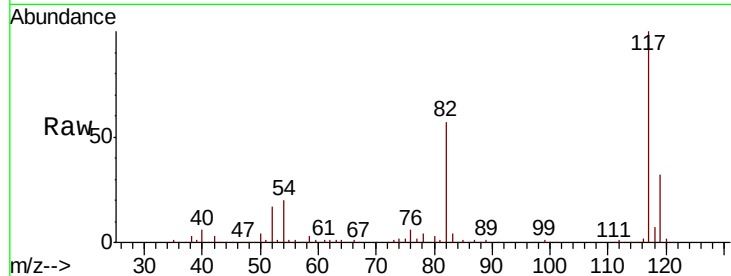
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.9	68.9
119	32.4	25.3	37.9

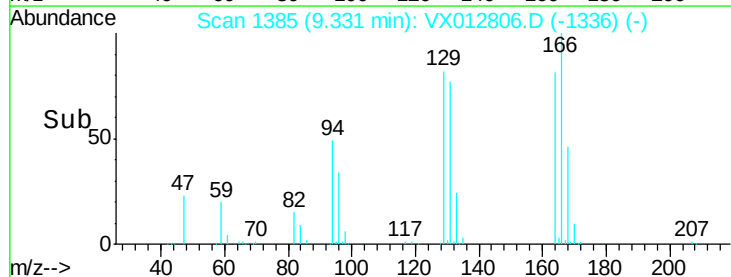
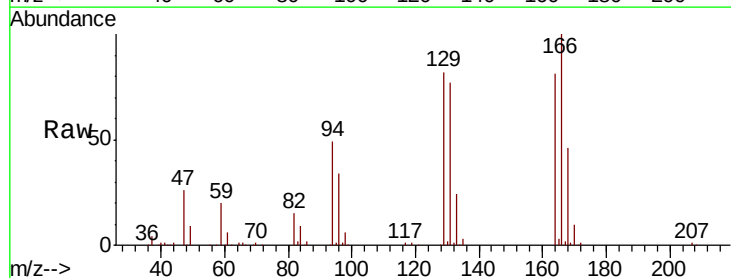
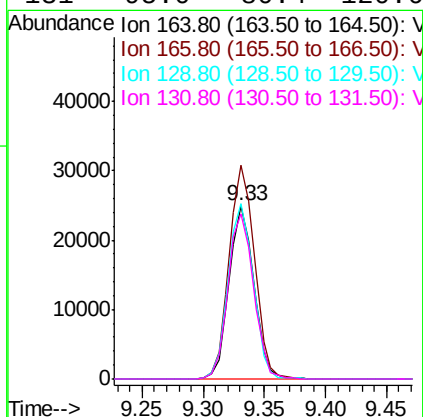
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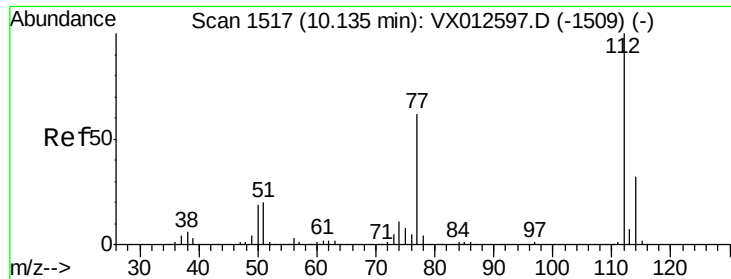
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#64
Tetrachloroethene
Concen: 19.750 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	107.8	161.6
129	101.0	86.2	129.2
131	95.0	80.4	120.6





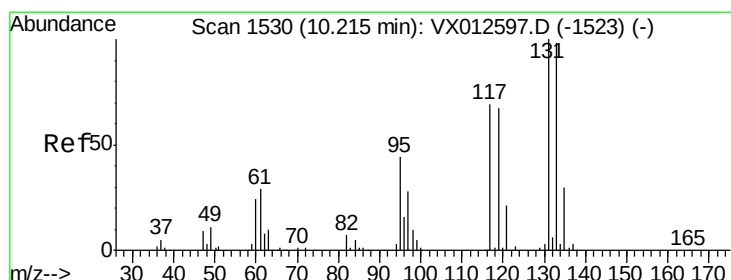
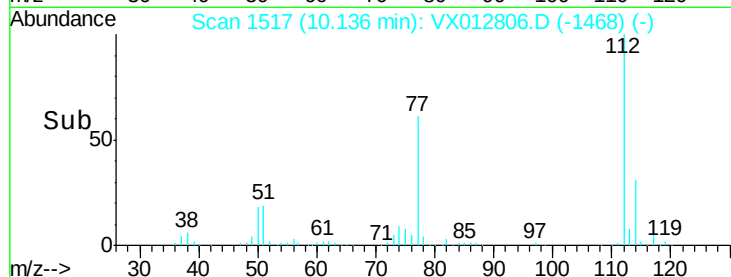
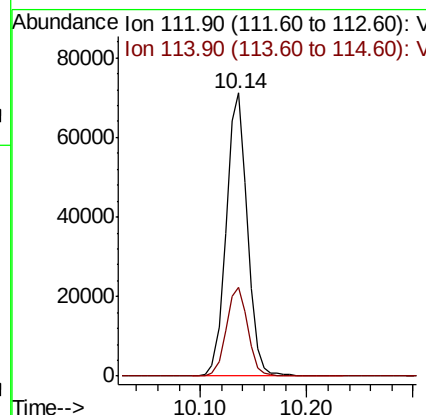
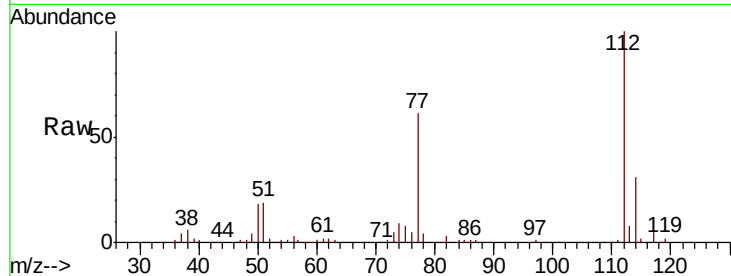
#65
Chlorobenzene
Concen: 18.483 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion:112 Resp: 98621
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0

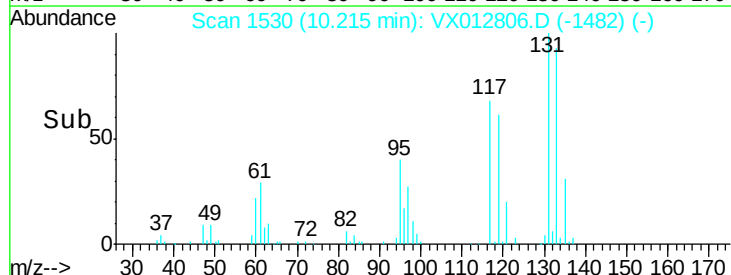
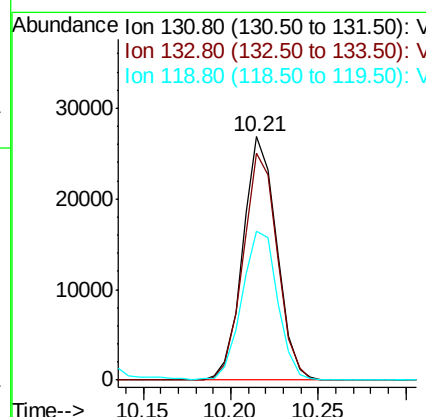
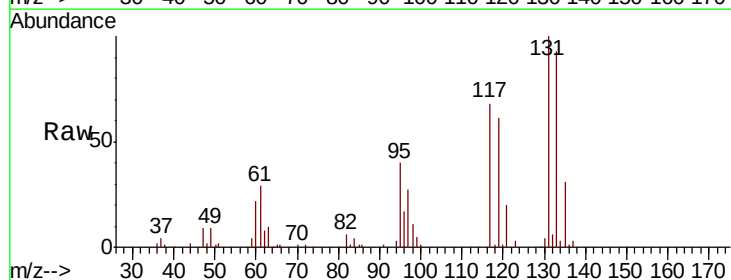
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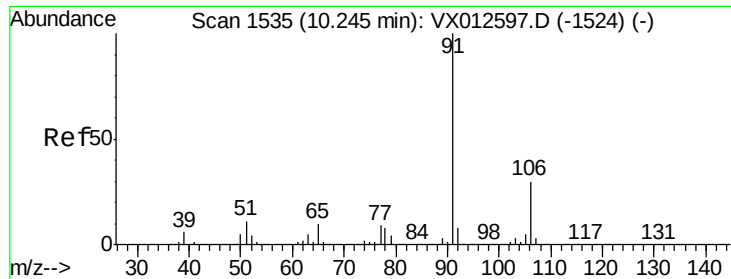
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.670 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion:131 Resp: 36093
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 64.5 31.3 93.8





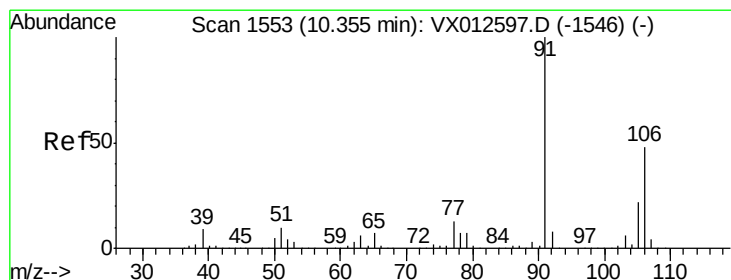
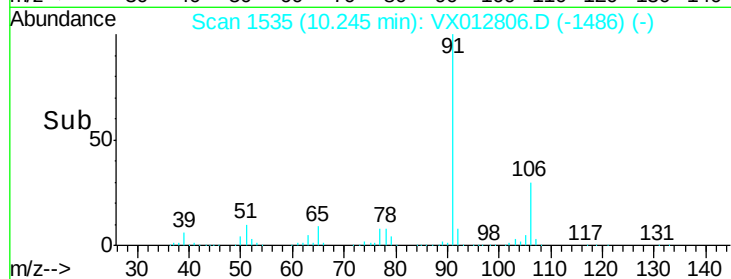
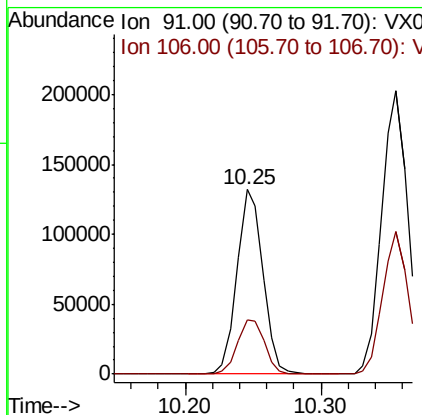
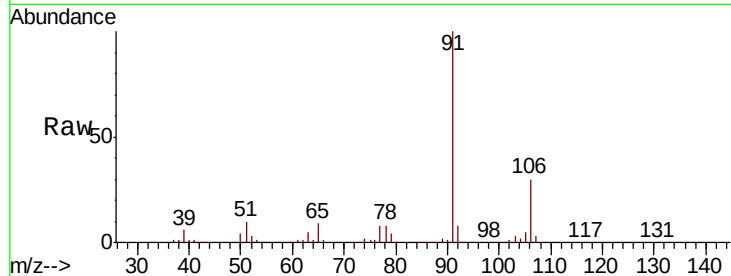
#67
Ethyl Benzene
Concen: 18.190 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion: 91 Resp: 176033
Ion Ratio Lower Upper
91 100
106 29.6 24.6 37.0

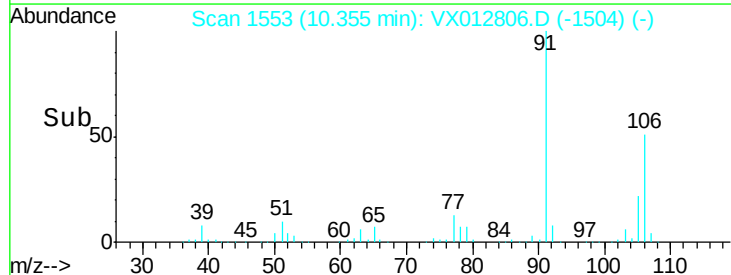
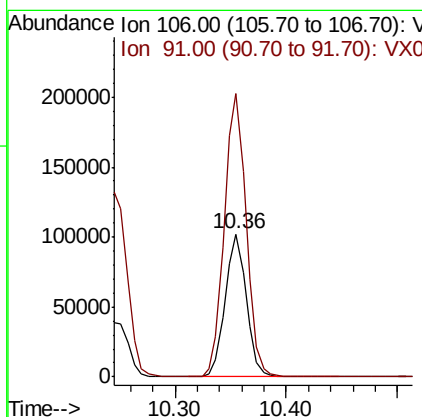
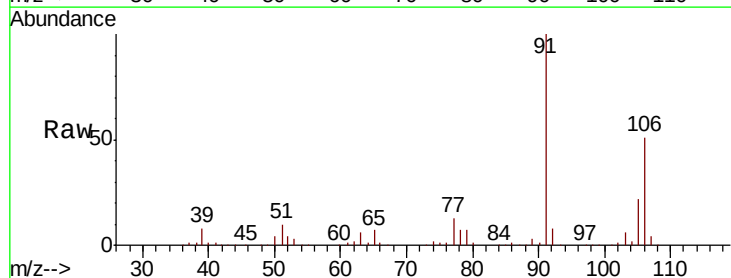
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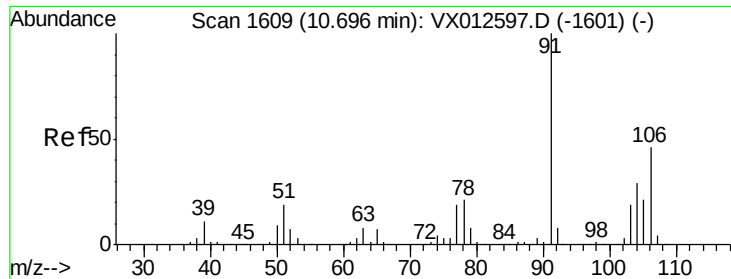
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#68
m/p-Xylenes
Concen: 37.107 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion: 106 Resp: 134520
Ion Ratio Lower Upper
106 100
91 204.6 166.6 250.0





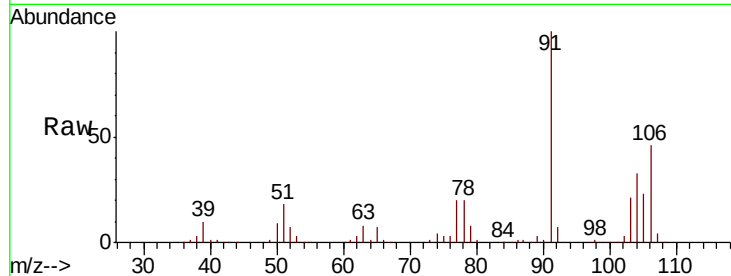
#69
o-Xylene
Concen: 18.386 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

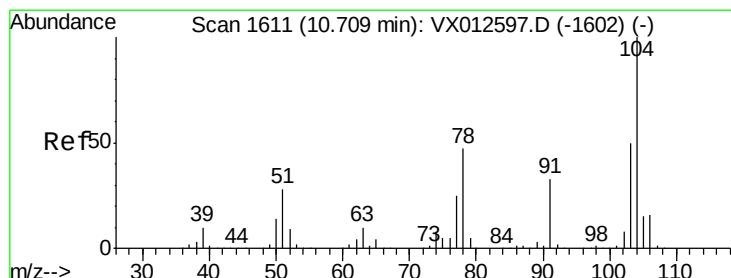
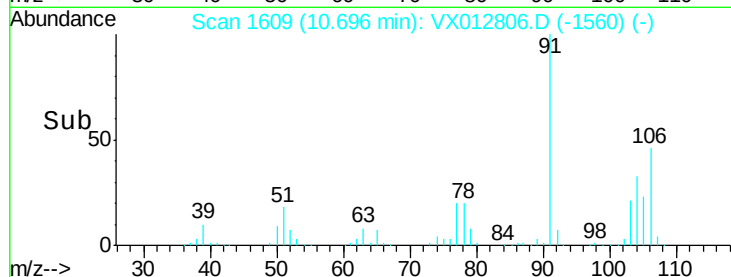
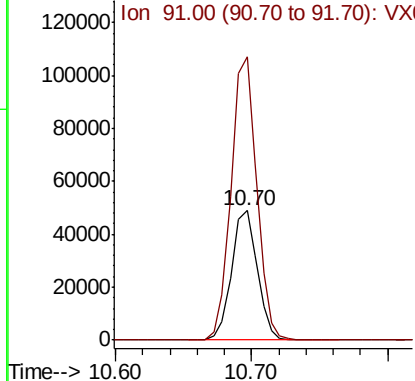
Tot Ion:106 Resp: 64497
Ion Ratio Lower Upper
106 100
91 218.0 109.4 328.2

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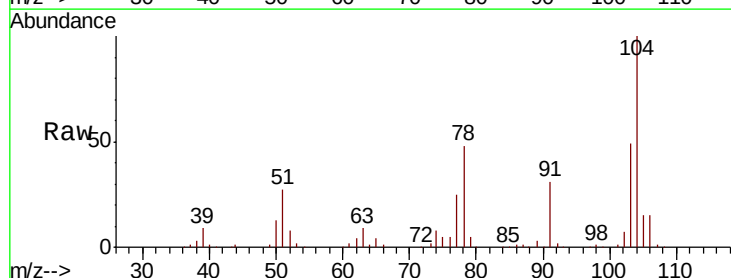


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

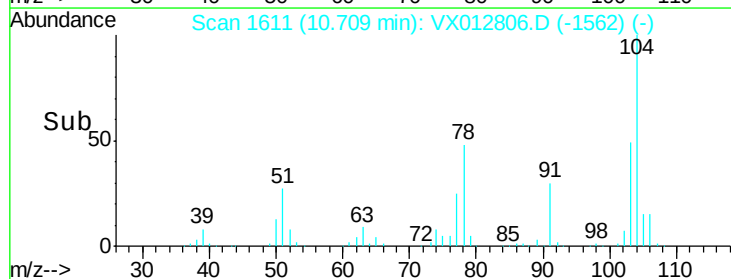
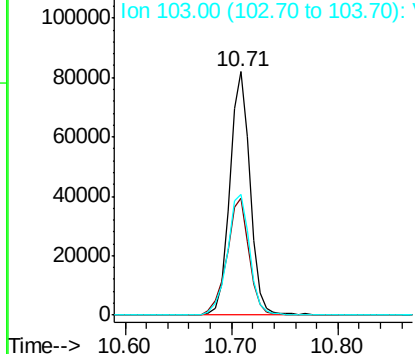


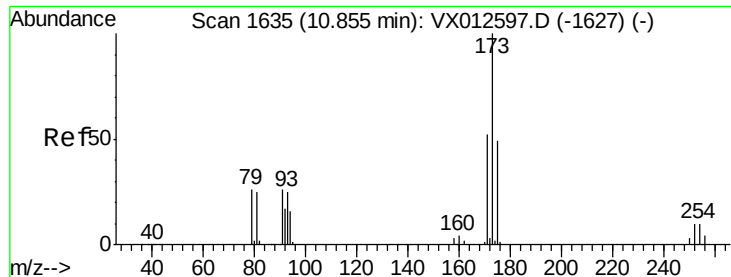
#70
Styrene
Concen: 18.517 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion:104 Resp: 108889
Ion Ratio Lower Upper
104 100
78 52.4 43.4 65.2
103 54.4 43.3 64.9



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





#71

Bromoform

Concen: 17.535 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion:173 Resp: 23604

Ion Ratio Lower Upper

173 100

175 49.1 23.7 71.1

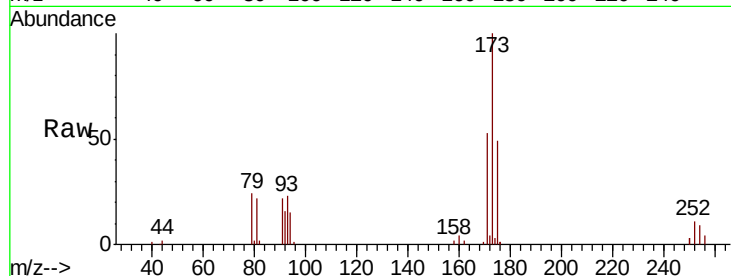
254 0.0 0.1 0.1#

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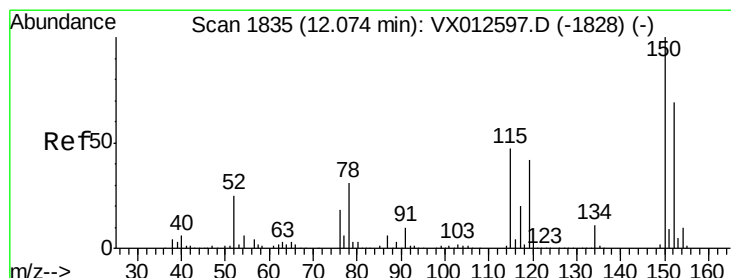
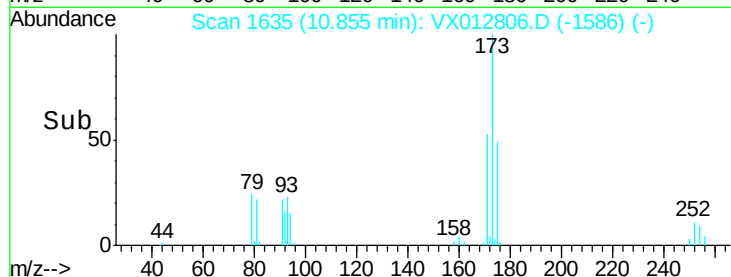
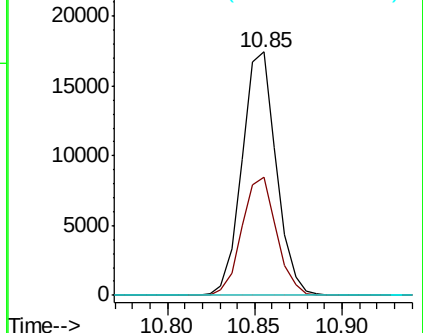
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX012806.D

Acq: 04 Oct 2019 13:05

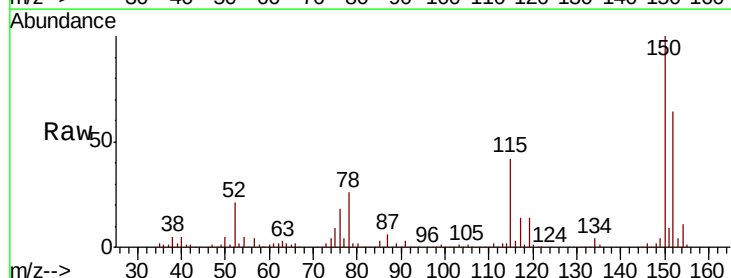
Tgt Ion:152 Resp: 116930

Ion Ratio Lower Upper

152 100

115 72.7 44.1 132.3

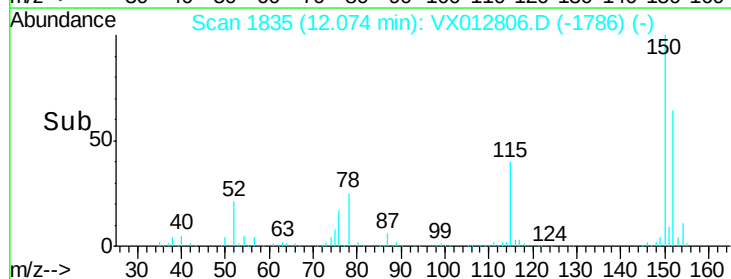
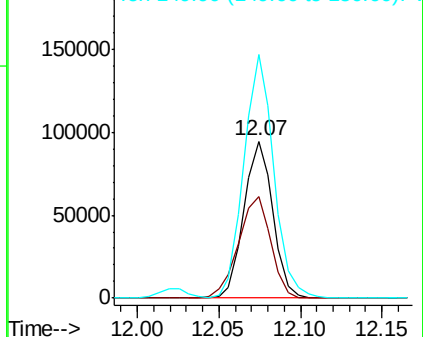
150 161.1 0.0 343.8

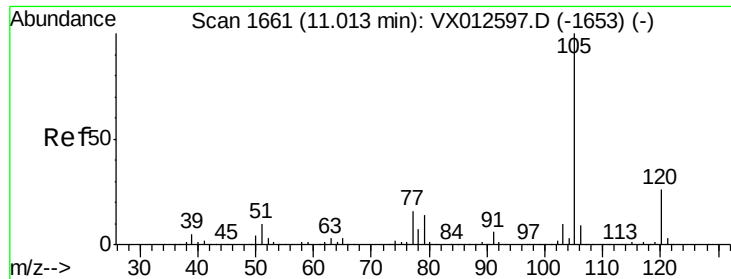


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.275 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 105 Resp: 174046

Ion Ratio Lower Upper

105 100

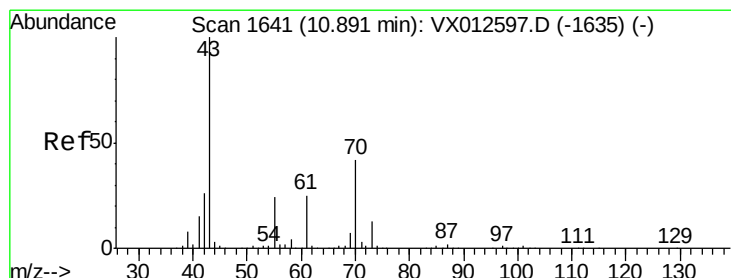
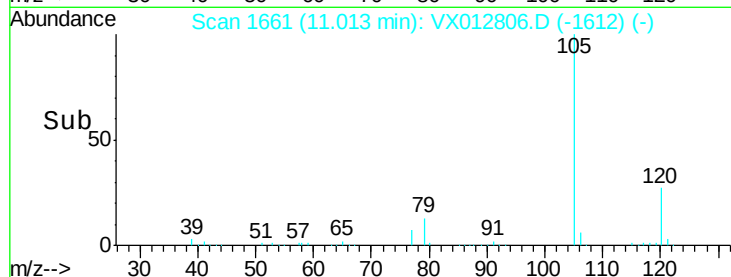
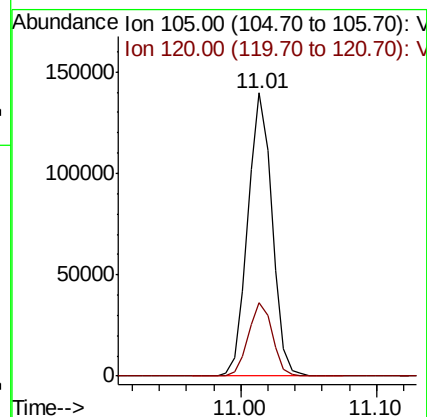
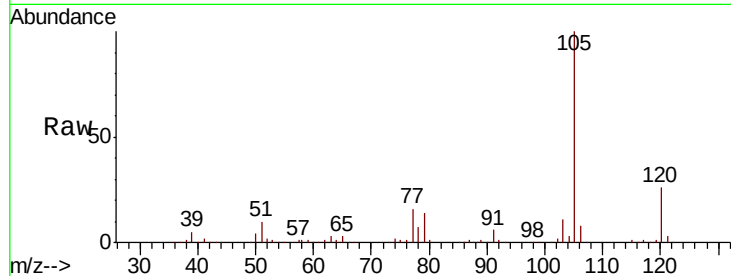
120 25.9 12.9 38.7

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#74

N-ethyl acetate

Concen: 16.489 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Tgt Ion: 43 Resp: 74914

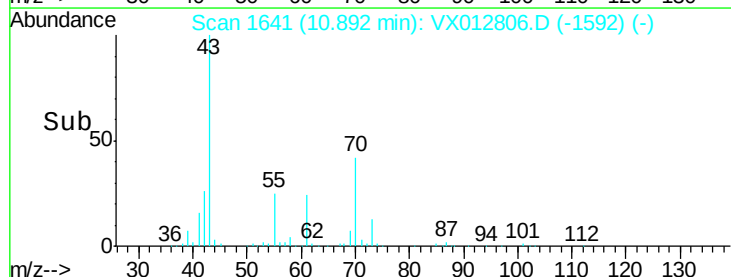
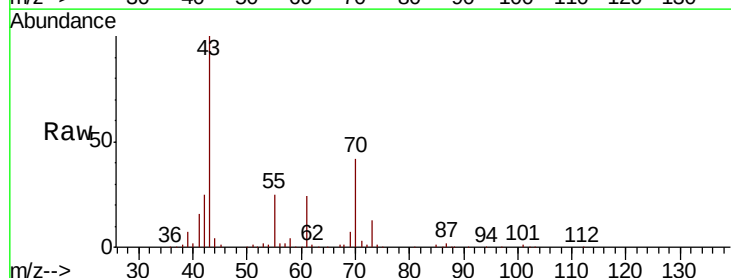
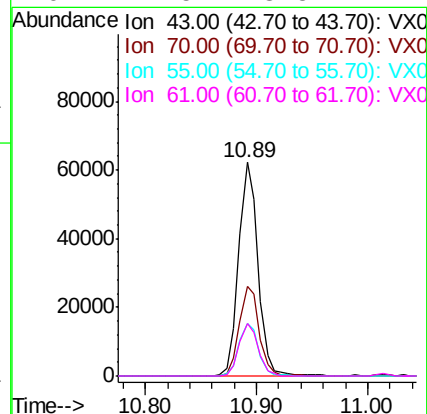
Ion Ratio Lower Upper

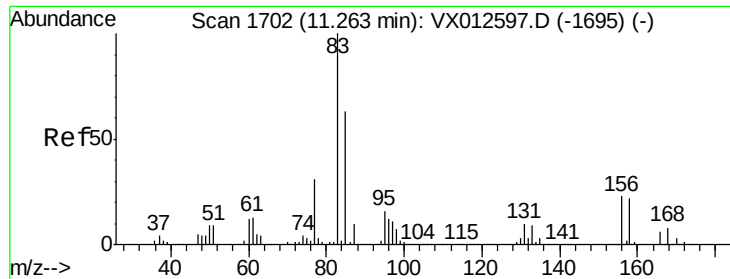
43 100

70 43.5 32.4 48.6

55 25.3 18.2 27.4

61 24.5 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.216 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

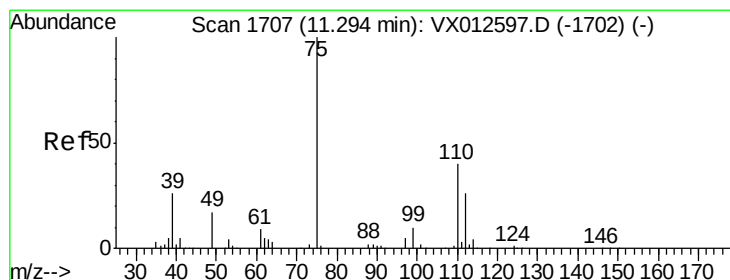
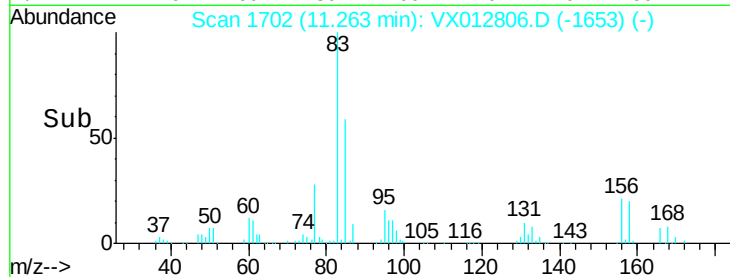
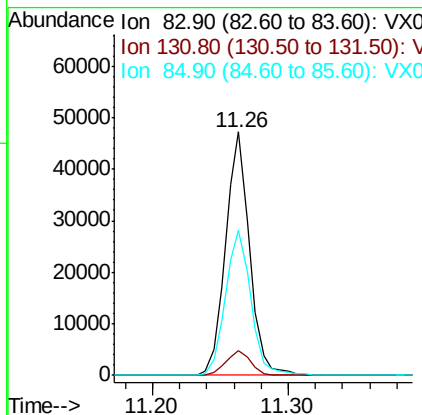
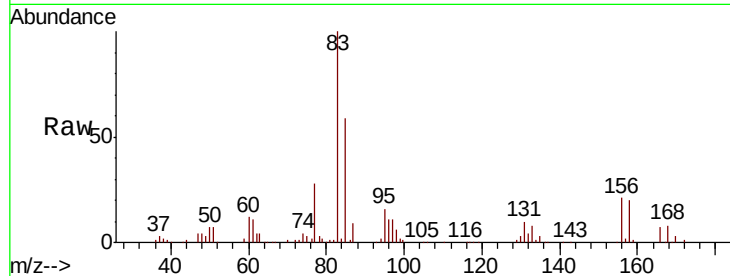
ClientSampleId :

VX1004MBS01

Tot Ion:	83	Resp:	57453
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	63.1	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 17.825 ug/l m

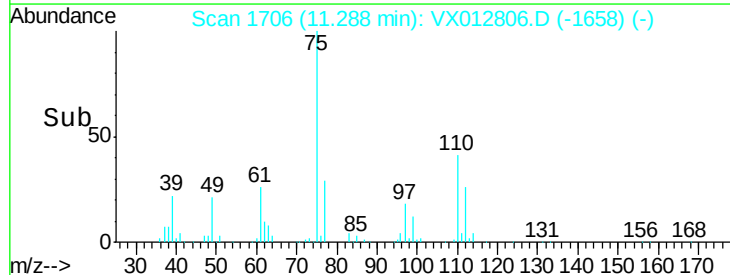
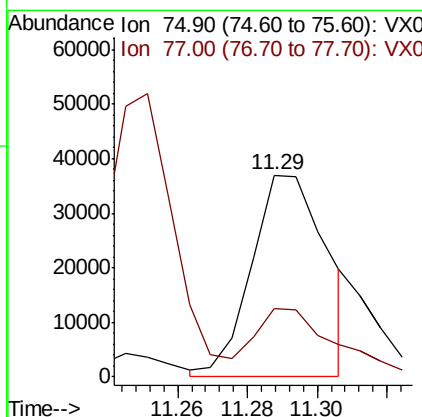
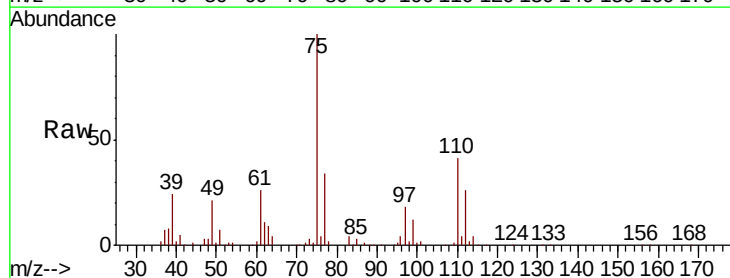
RT: 11.29 min Scan# 1706

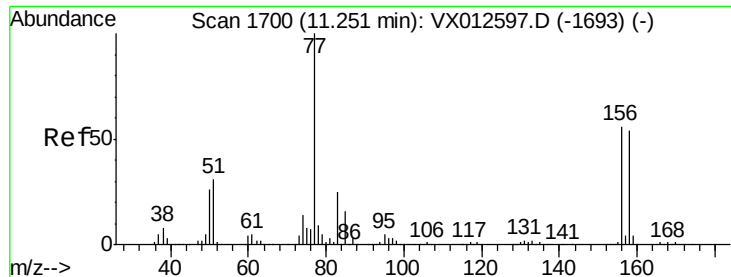
Delta R.T. -0.01 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Tgt Ion:	75	Resp:	55135
Ion Ratio	Lower	Upper	
75	100		
77	36.7	19.7	59.0





#77

Bromobenzene

Concen: 18.546 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion:156 Resp: 39975

Ion Ratio Lower Upper

156 100

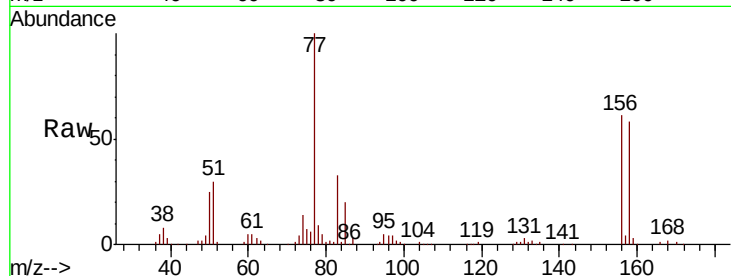
77 174.5 87.3 261.8

158 96.9 48.5 145.6

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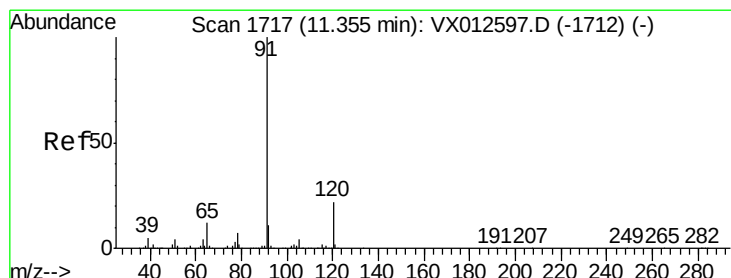
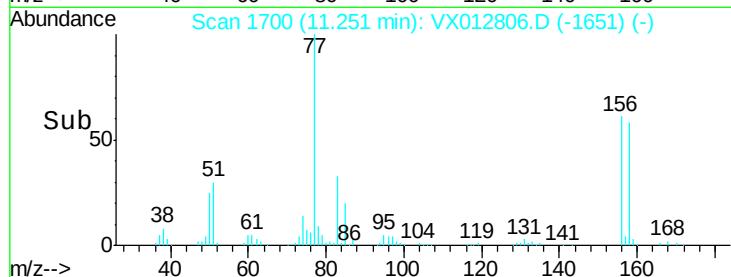
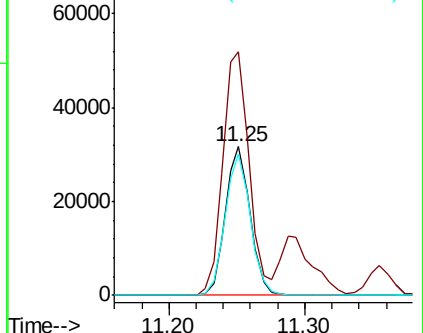
10/7/2019 9:26:59 AM



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: 17.572 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012806.D

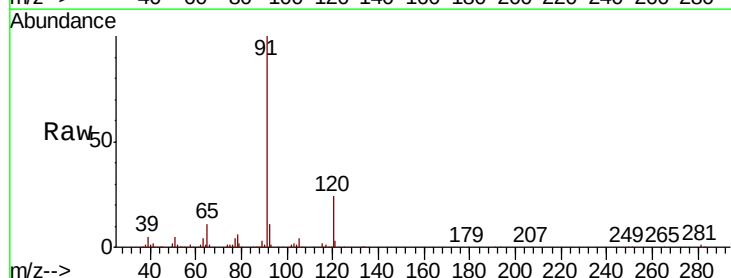
Acq: 04 Oct 2019 13:05

Tgt Ion: 91 Resp: 188403

Ion Ratio Lower Upper

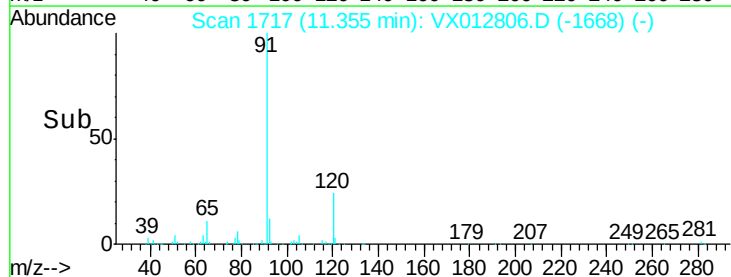
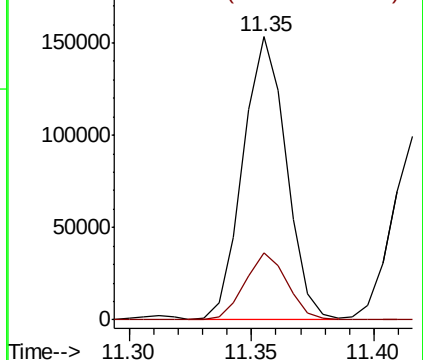
91 100

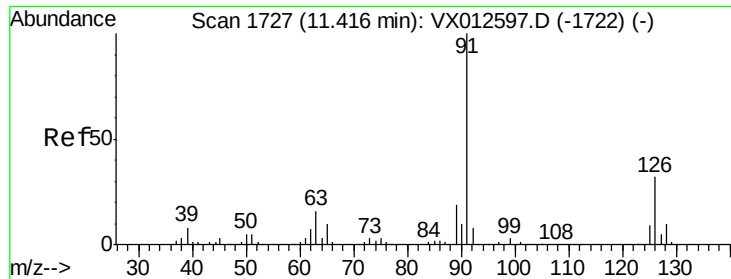
120 23.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





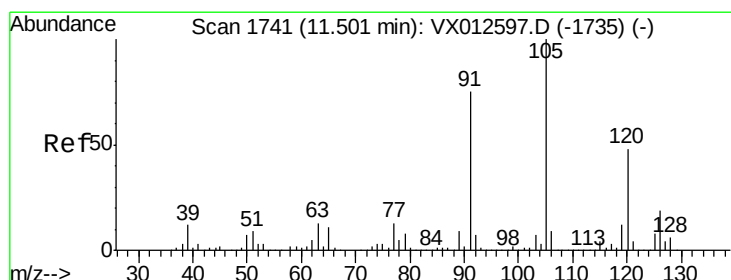
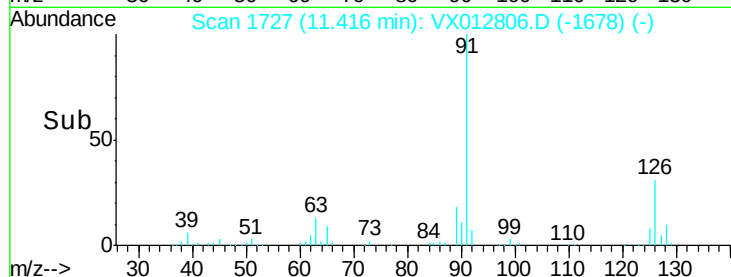
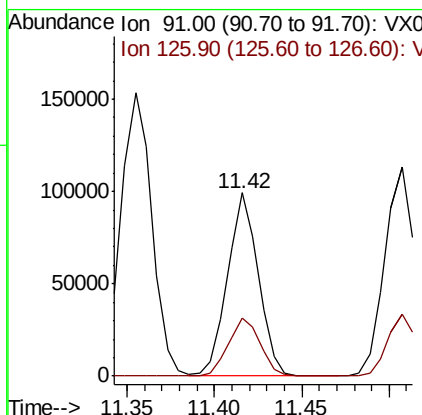
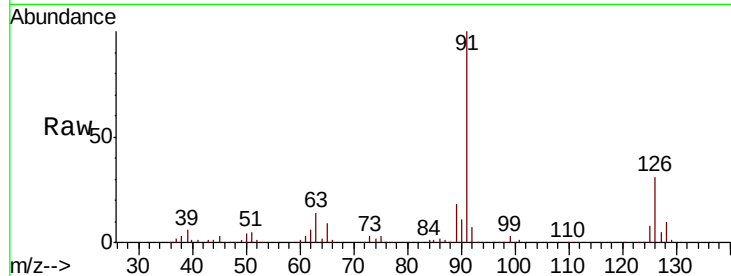
#79
 2-Chlorotoluene
 Concen: 18.033 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004MBS01

Tot Ion: 91 Resp: 120616
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.4 49.4

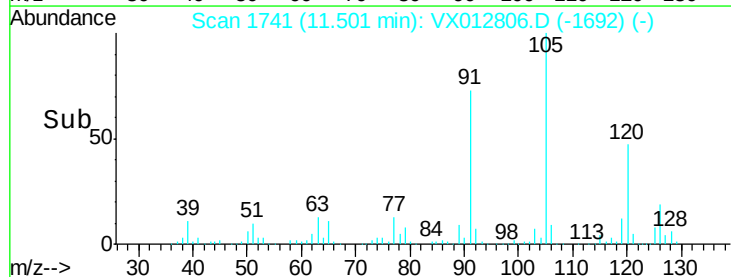
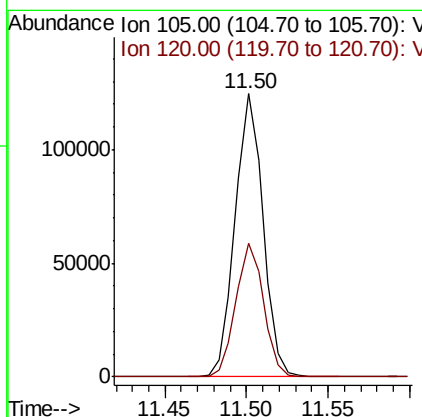
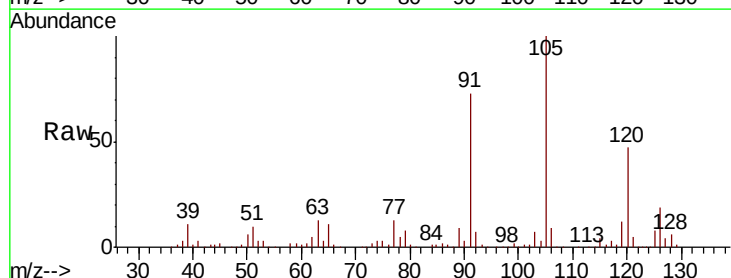
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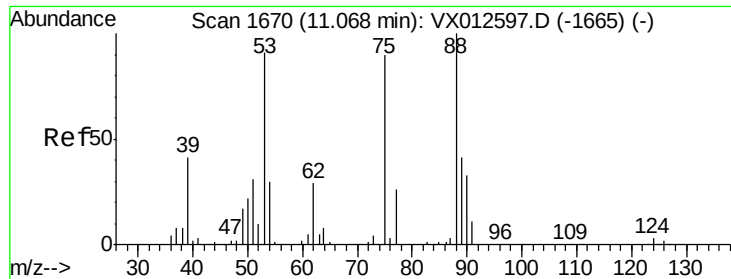
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.570 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Tgt Ion: 105 Resp: 148304
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 15.616 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX1004MBS01

Tot Ion: 75 Resp: 16855

Ion Ratio Lower Upper

75 100

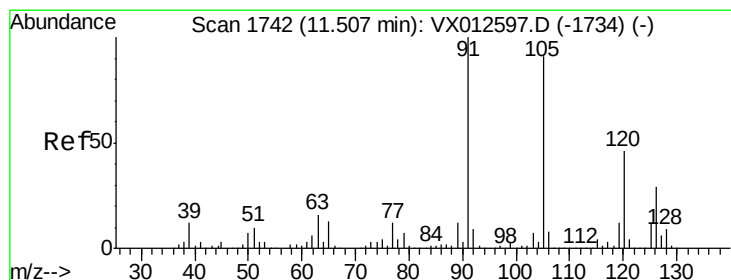
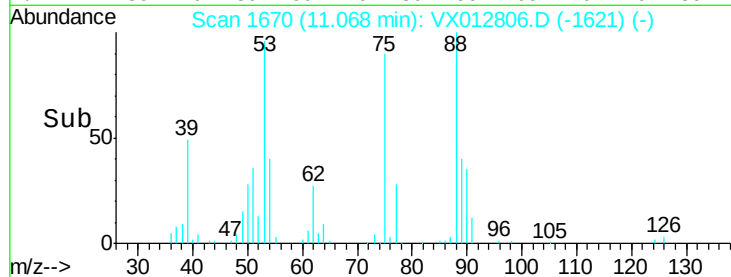
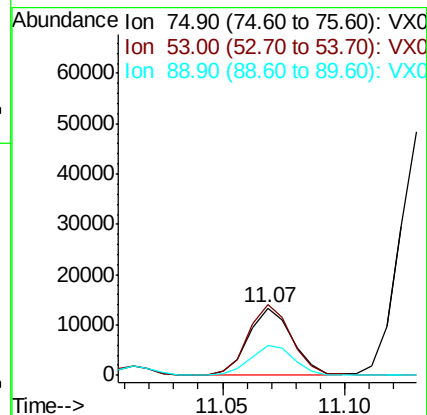
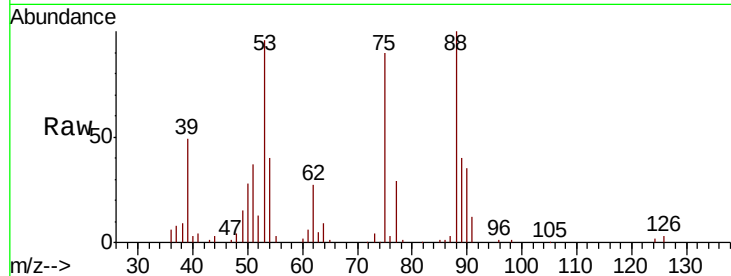
53 104.4 83.6 125.4

89 44.7 36.3 54.5

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#82

4-Chlorotoluene

Concen: 18.013 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012806.D

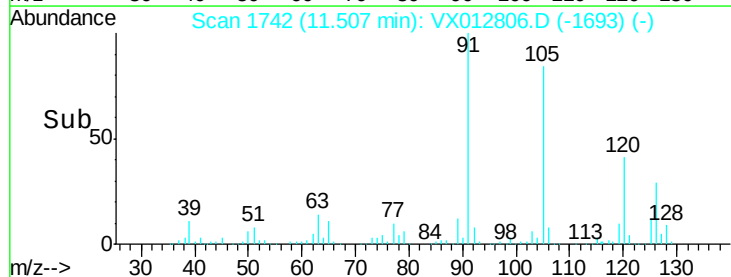
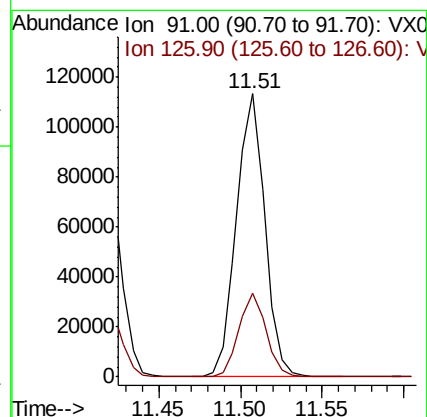
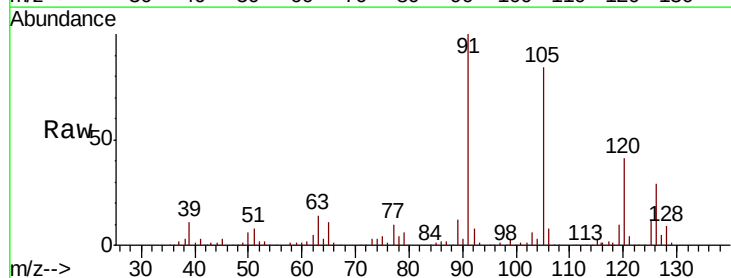
Acq: 04 Oct 2019 13:05

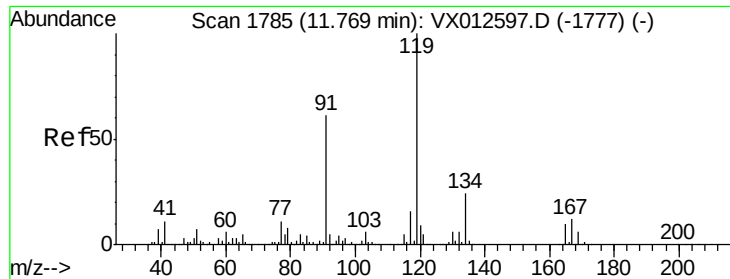
Tgt Ion: 91 Resp: 137344

Ion Ratio Lower Upper

91 100

126 28.4 14.4 43.0





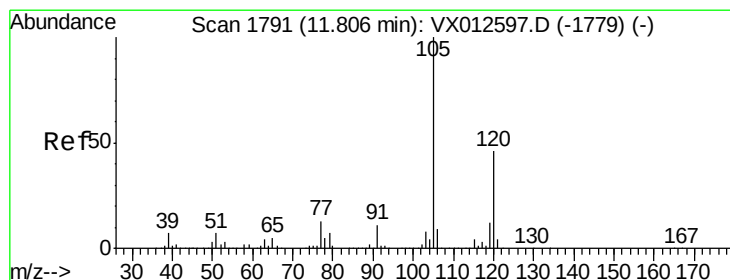
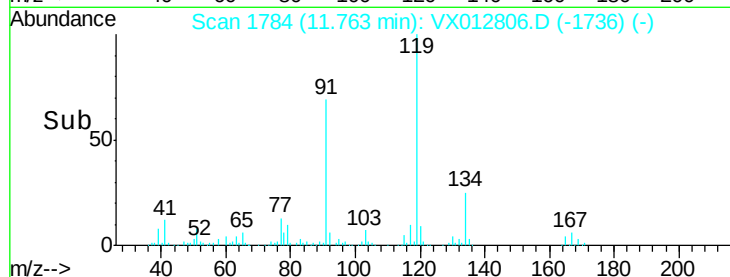
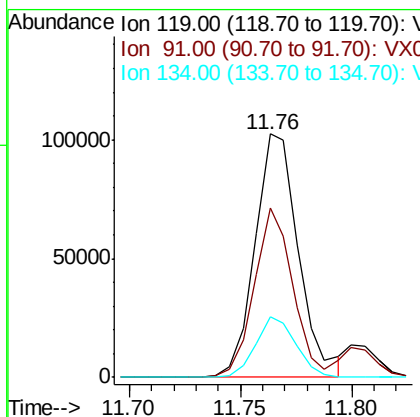
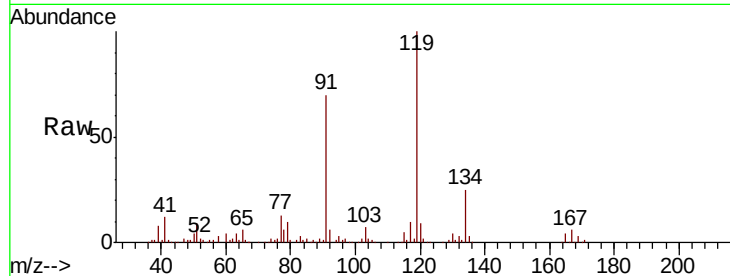
#83
 tert-Butylbenzene
 Concen: 18.079 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX1004MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139275		
91	61.6		30.0	90.0
134	23.1		11.3	33.9

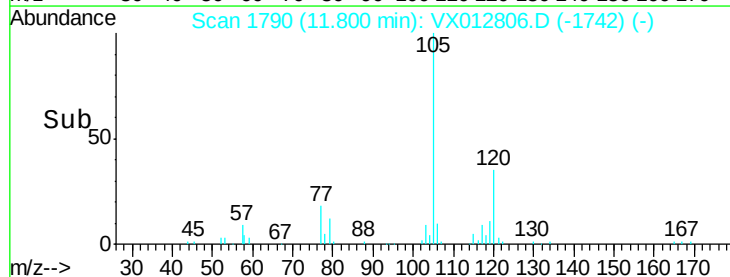
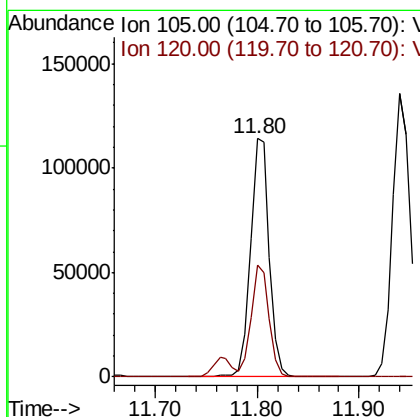
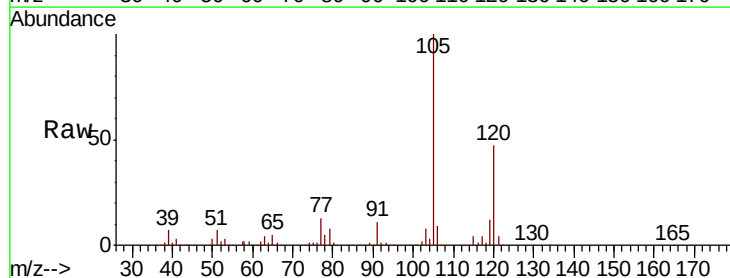
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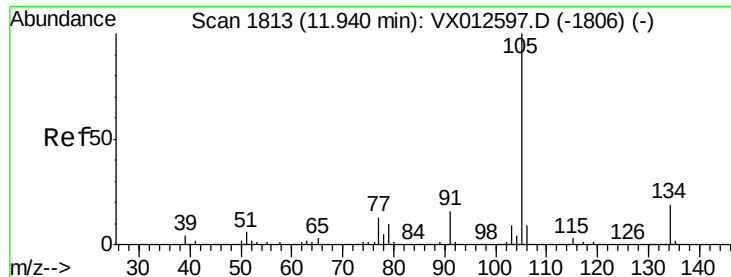
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.193 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	146567		
120	44.6		22.2	66.6





#85

sec-Butylbenzene

Concen: 18.410 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

ClientSampled :

VX1004MBS01

Tot Ion:105 Resp: 164963

Ion Ratio Lower Upper

105 100

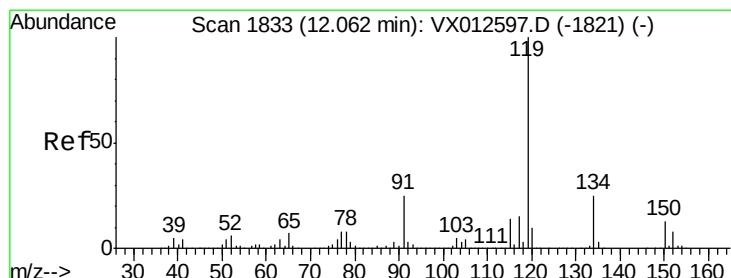
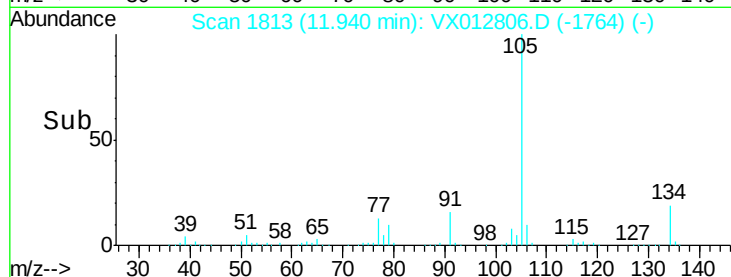
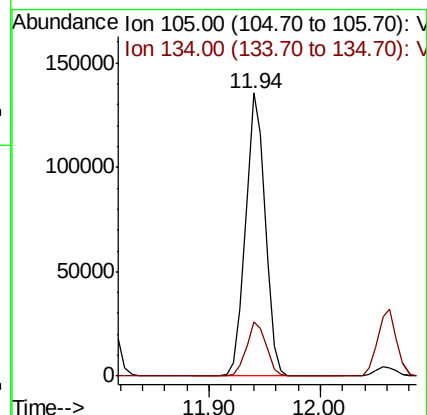
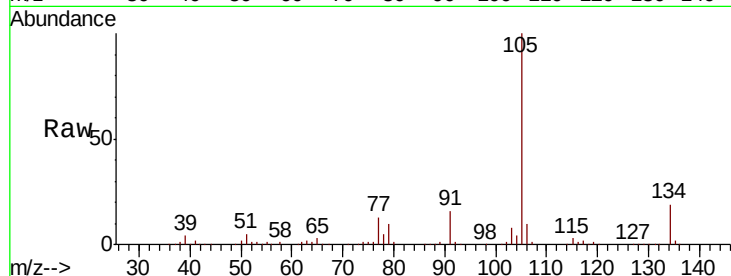
134 19.3 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 18.624 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

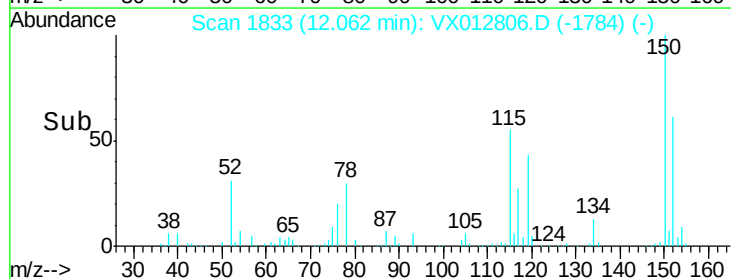
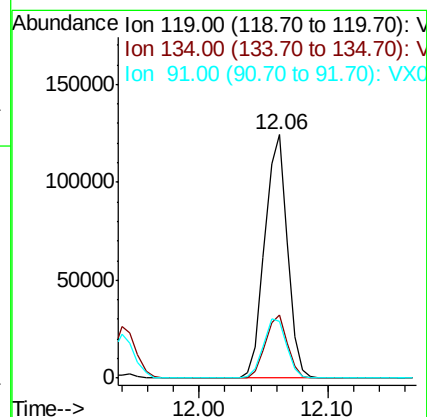
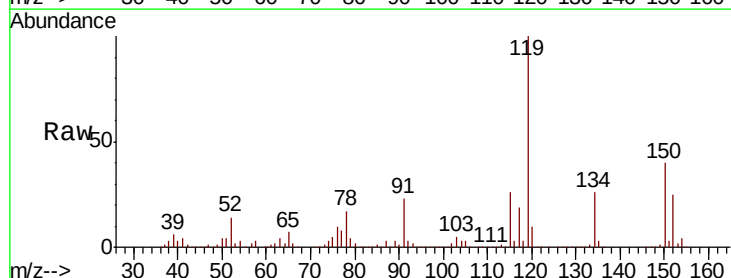
Tgt Ion:119 Resp: 150578

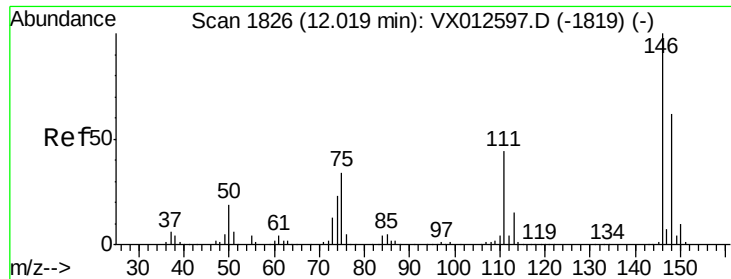
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 25.1 12.8 38.4





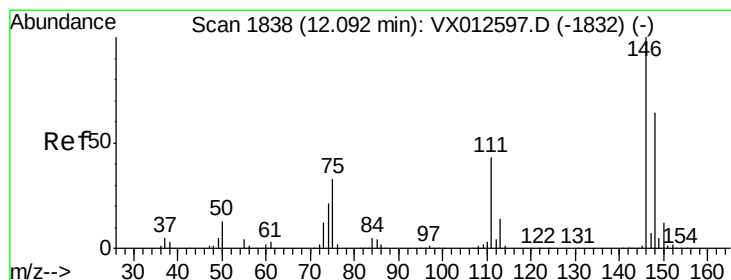
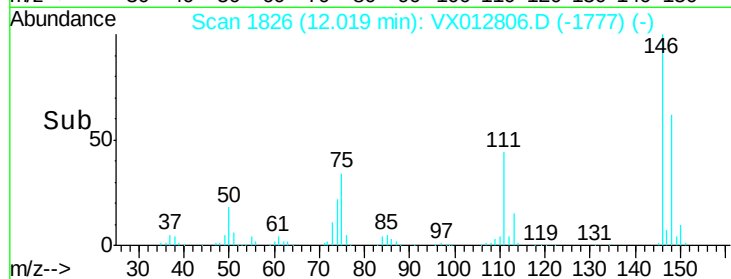
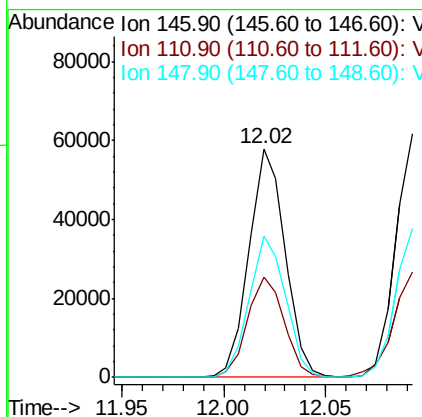
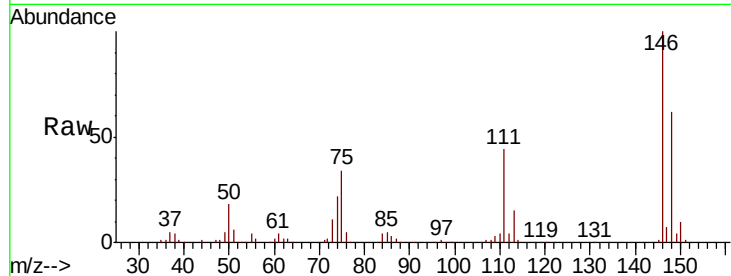
#87
 1,3-Dichlorobenzene
 Concen: 18.503 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.3	64.0
148	62.4	32.4	97.2

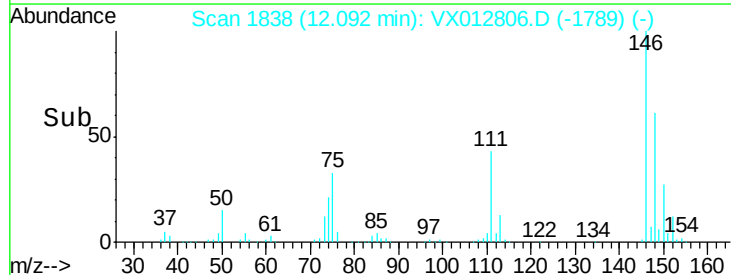
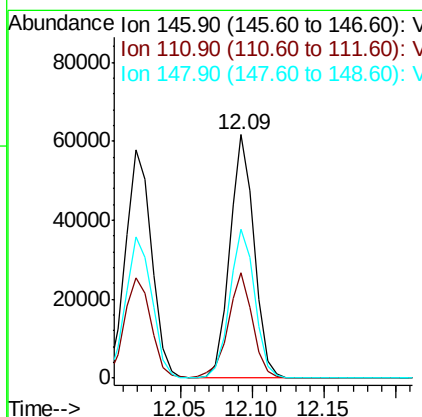
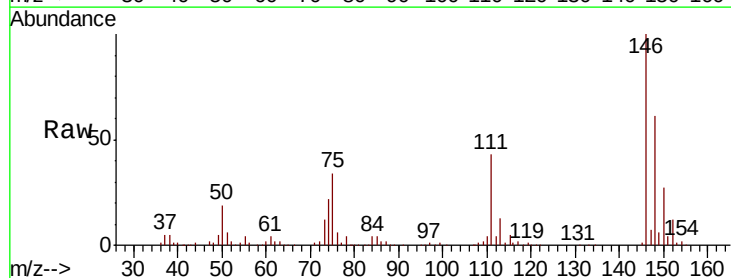
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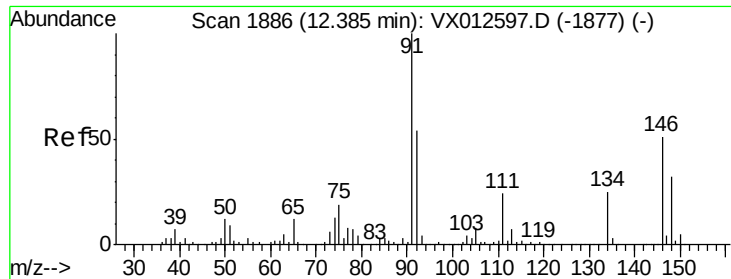
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#88
 1,4-Dichlorobenzene
 Concen: 18.717 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.3
148	63.5	32.1	96.5





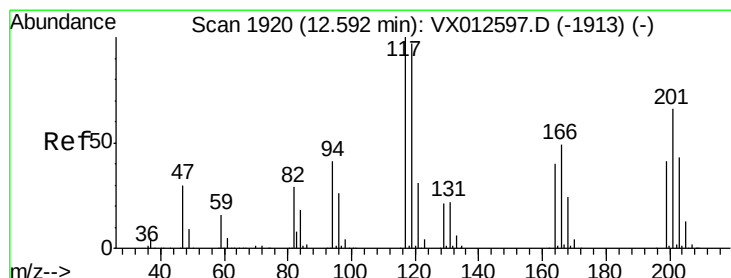
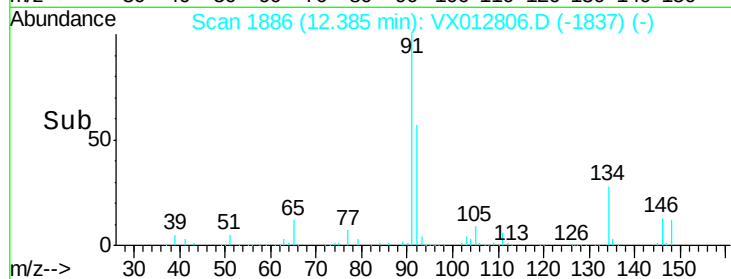
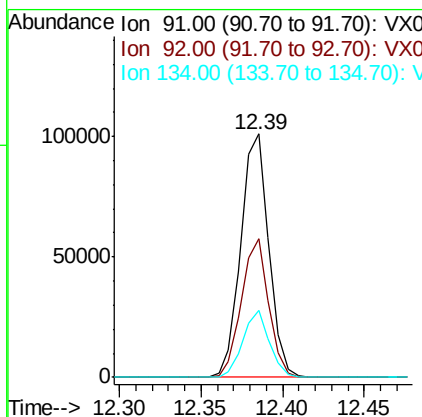
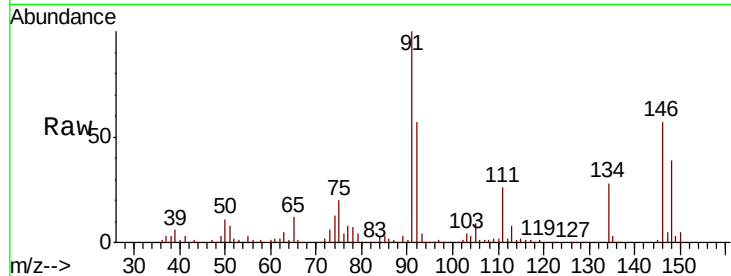
#89
n-Butylbenzene
Concen: 17.017 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampled :
VX1004MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.9	27.7	83.0
134	26.0	12.9	38.6

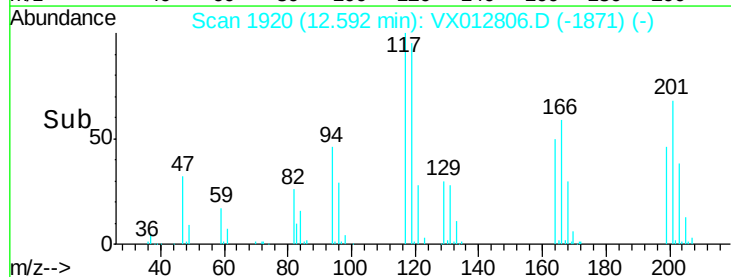
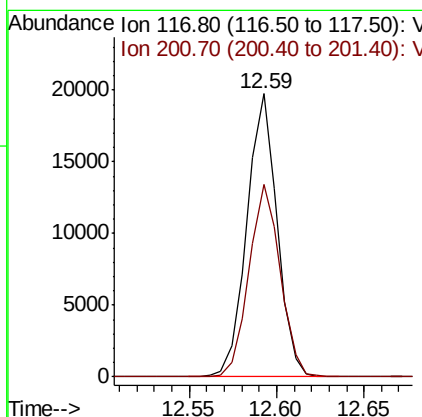
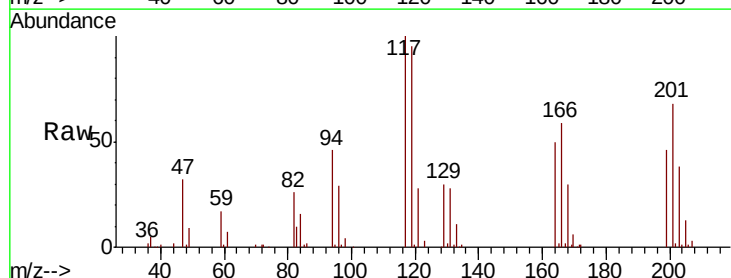
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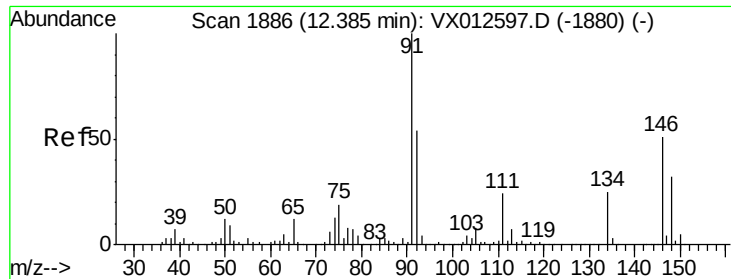
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#90
Hexachloroethane
Concen: 16.439 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.2	33.3	99.8





#91

1,2-Dichlorobenzene

Concen: 18.547 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012806.D

Acq: 04 Oct 2019 13:05

Instrument :

MSVOA_X

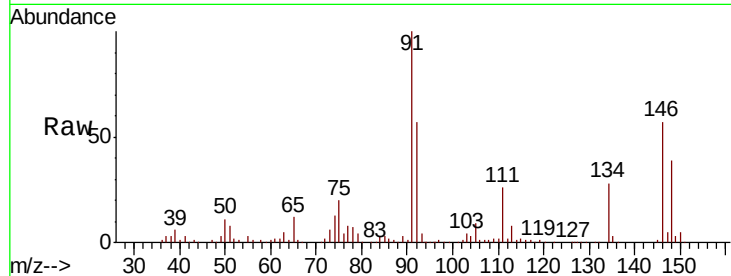
ClientSampleId :

VX1004MBS01

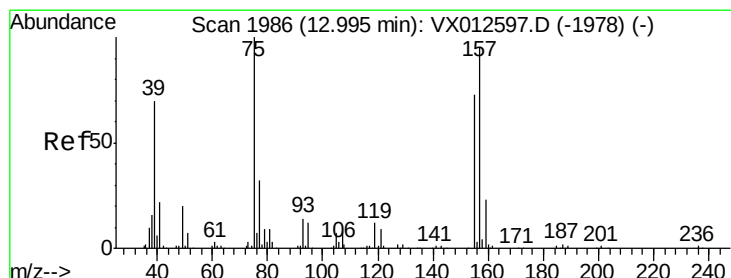
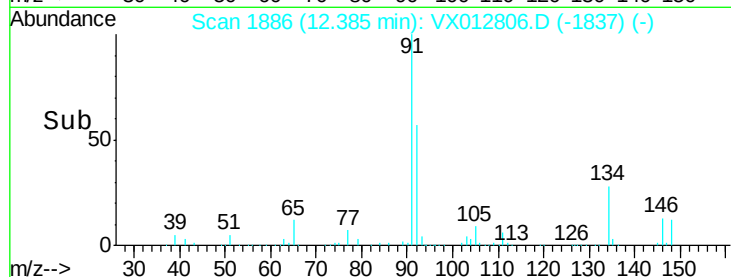
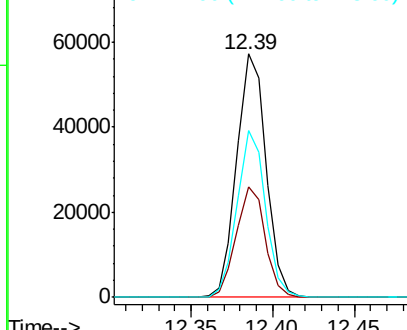
Tot Ion:	146	Resp:	72027
Ion Ratio	Lower	Upper	
146	100		
111	44.8	22.1	66.1
148	66.4	31.3	93.9

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.890 ug/l

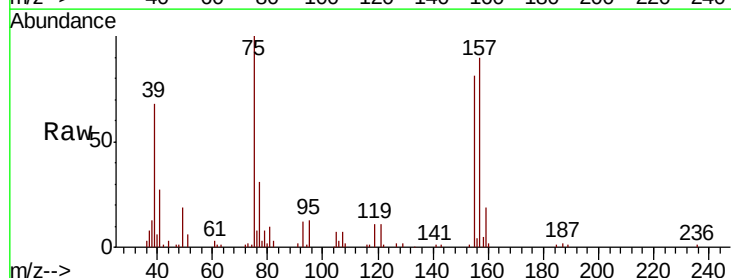
RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

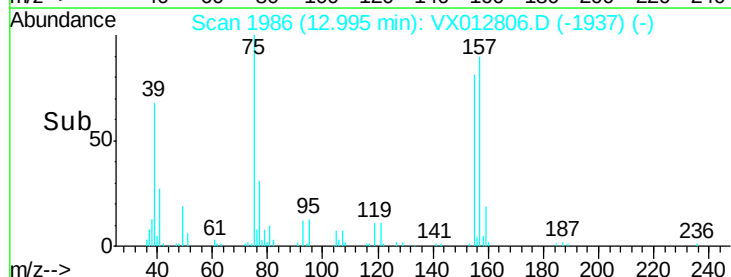
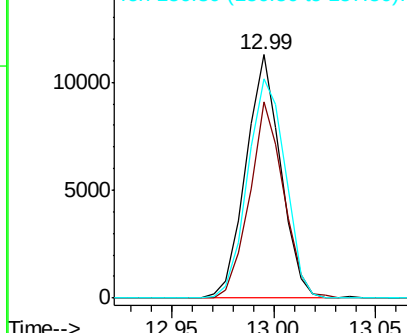
Lab File: VX012806.D

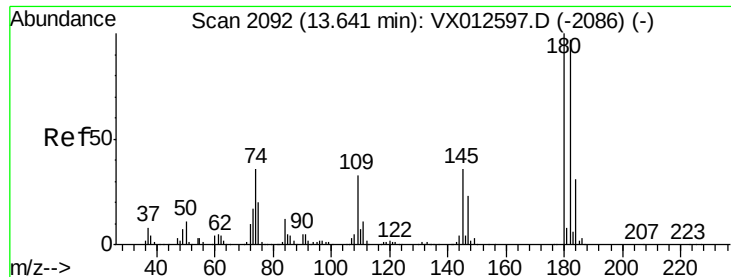
Acq: 04 Oct 2019 13:05

Tgt Ion:	75	Resp:	13326
Ion Ratio	Lower	Upper	
75	100		
155	79.3	38.6	115.8
157	98.1	50.6	151.9



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





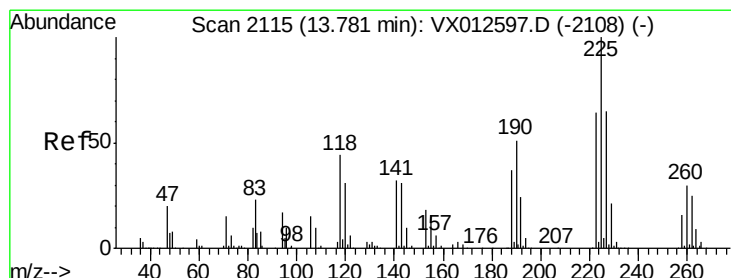
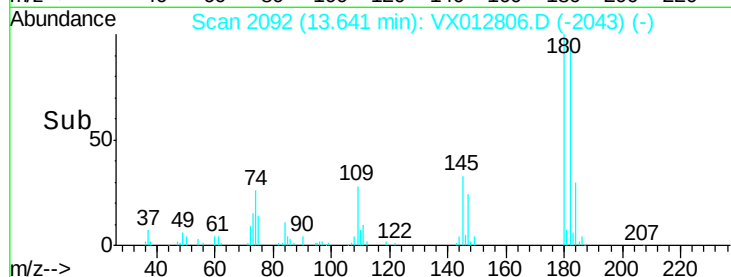
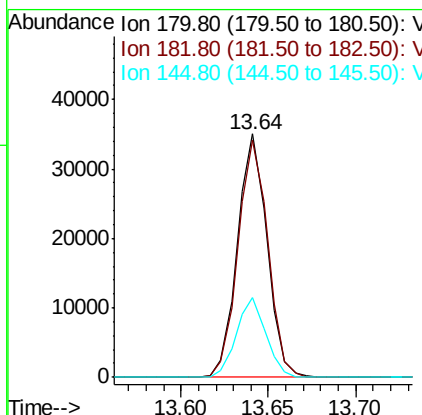
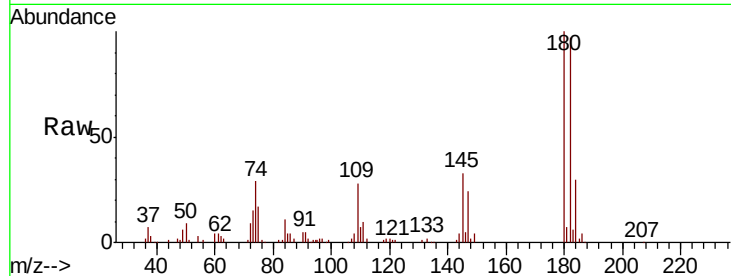
#93
 1,2,4-Trichlorobenzene
 Concen: 17.379 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41160		
182	98.3	47.0	141.0	
145	32.8	16.8	50.4	

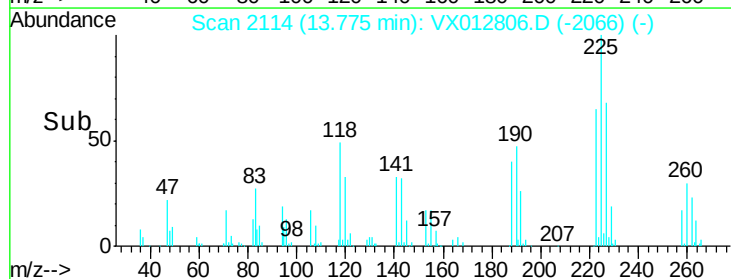
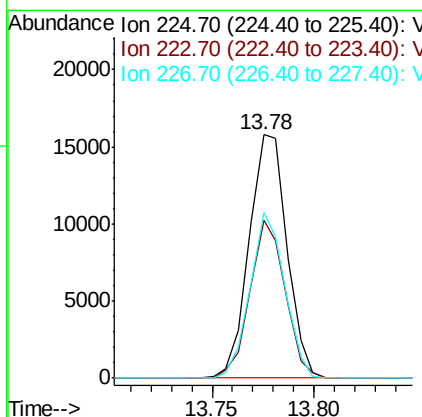
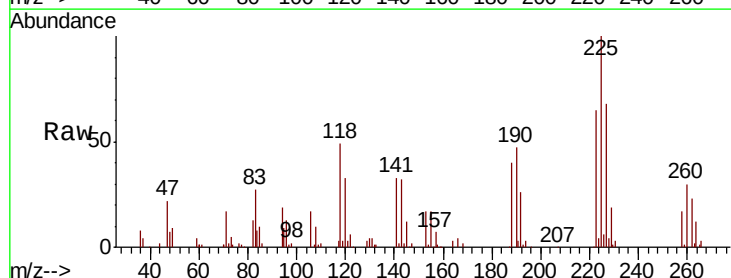
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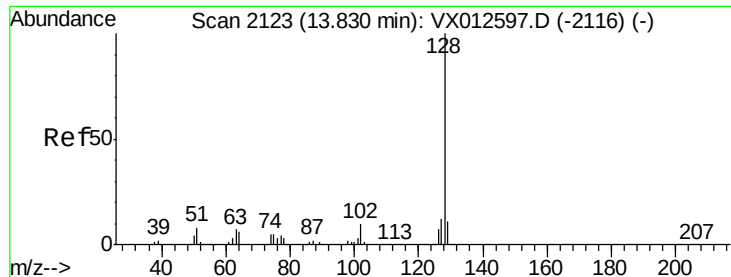
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 10/7/2019 9:26:59 AM



#94
 Hexachlorobutadiene
 Concen: 19.985 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012806.D
 Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20362		
223	60.4	32.0	96.2	
227	62.3	31.9	95.5	





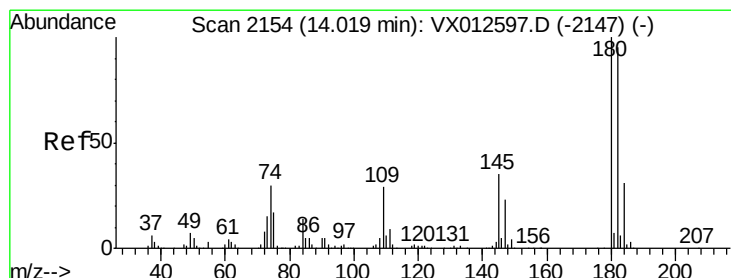
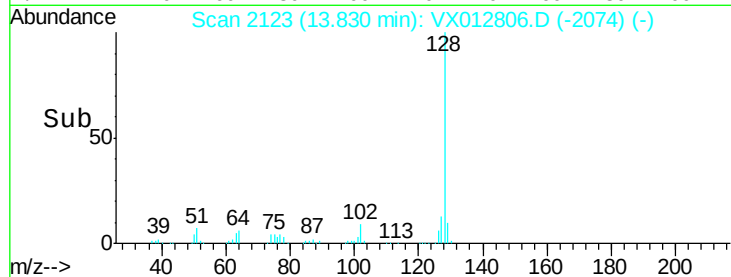
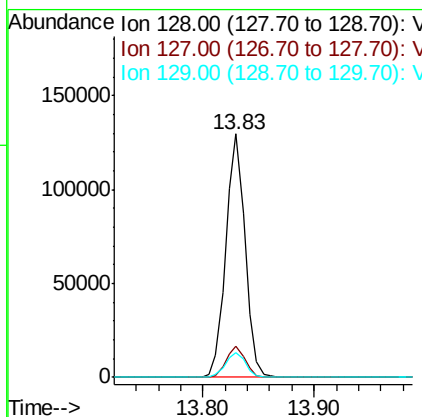
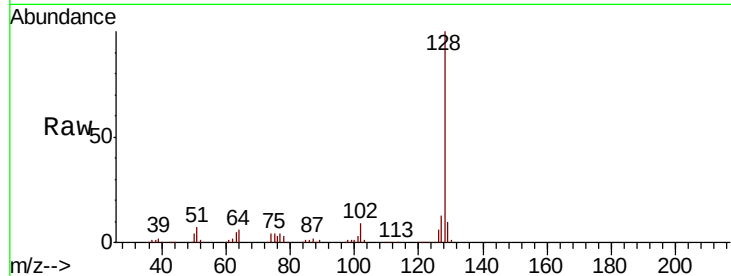
#95
Naphthalene
Concen: 18.051 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX1004MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 17.669 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012806.D
Acq: 04 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.1	141.3
145	37.6	18.0	54.0

