

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010552.D
 Acq On : 28 Jun 2019 22:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 10:40:43 AM

Quant Time: Jun 29 06:37:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	224493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	107681	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	5.50	113	104786	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	8.71	98	393067	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.13	95	141970	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65747	42.126	ug/l	100
3) Chloromethane	1.32	50	76825	42.272	ug/l	99
4) Vinyl Chloride	1.41	62	84685	42.543	ug/l	99
5) Bromomethane	1.64	94	47605	49.089	ug/l	100
6) Chloroethane	1.71	64	57110	48.629	ug/l	97
7) Trichlorofluoromethane	1.93	101	148705	47.125	ug/l	97
8) Diethyl Ether	2.19	74	54119	47.824	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	86091	45.020	ug/l	99
10) Methyl Iodide	2.51	142	128834	47.208	ug/l	98
11) Tert butyl alcohol	3.05	59	129152	234.494	ug/l	100
12) 1,1-Dichloroethene	2.37	96	87181	44.803	ug/l	99
13) Acrolein	2.29	56	104423	285.803	ug/l	99
14) Allyl chloride	2.73	41	126516	45.797	ug/l	99
15) Acrylonitrile	3.14	53	270351	247.924	ug/l	100
16) Acetone	2.45	43	224838	213.140	ug/l	99
17) Carbon Disulfide	2.57	76	198572	38.037	ug/l	99
18) Methyl Acetate	2.78	43	105341	50.104	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	293300	47.913	ug/l	98
20) Methylene Chloride	2.85	84	102073	47.019	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	94003	44.918	ug/l	98
22) Diisopropyl ether	3.85	45	280058	48.487	ug/l	96
23) Vinyl Acetate	3.81	43	1213463	243.192	ug/l	98
24) 1,1-Dichloroethane	3.70	63	158898	47.593	ug/l	100
25) 2-Butanone	4.68	43	369276	238.646	ug/l	98
26) 2,2-Dichloropropane	4.58	77	109271	37.676	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	113745	47.033	ug/l	97
28) Bromochloromethane	5.01	49	81636	51.142	ug/l	97
29) Tetrahydrofuran	5.13	42	237233	247.515	ug/l	99
30) Chloroform	5.21	83	173229	48.223	ug/l	99
31) Cyclohexane	5.58	56	135576	44.593	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	148753	46.897	ug/l	99
36) 1,1-Dichloropropene	5.80	75	118489	43.658	ug/l	99
37) Ethyl Acetate	4.84	43	138028	49.436	ug/l	98
38) Carbon Tetrachloride	5.79	117	129199	43.961	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	152260	42.680	ug/l	99
40) Benzene	6.14	78	392299	46.396	ug/l	99
41) Methacrylonitrile	5.04	41	74093	48.365	ug/l	98
42) 1,2-Dichloroethane	6.19	62	125898	48.914	ug/l	99
43) Isopropyl Acetate	6.45	43	221711	47.995	ug/l	99
44) Trichloroethene	7.21	130	115324	45.581	ug/l	96
45) 1,2-Dichloropropane	7.51	63	99022	46.375	ug/l	100
46) Dibromomethane	7.66	93	71748	46.833	ug/l	97
47) Bromodichloromethane	7.90	83	129627	46.171	ug/l	99
48) Methyl methacrylate	7.77	41	105146	48.969	ug/l	99
49) 1,4-Dioxane	7.74	88	60892	984.434	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	739933	250.450	ug/l	98
52) Toluene	8.78	92	254998	45.795	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	138423	43.976	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	155058	45.330	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	110885	48.285	ug/l	98
56) Ethyl methacrylate	9.18	69	165837	47.670	ug/l	98
57) 1,3-Dichloropropane	9.37	76	170269	47.764	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	410069	248.197	ug/l	100
59) 2-Hexanone	9.49	43	568465	244.476	ug/l	98
60) Dibromochloromethane	9.58	129	117466	45.684	ug/l	99
61) 1,2-Dibromoethane	9.67	107	116665	47.066	ug/l	99
64) Tetrachloroethene	9.34	164	117737	46.668	ug/l	99
65) Chlorobenzene	10.13	112	293125	46.289	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	107509	46.609	ug/l	98
67) Ethyl Benzene	10.25	91	498072	46.590	ug/l	99
68) m/p-Xylenes	10.36	106	386063	93.199	ug/l	100
69) o-Xylene	10.69	106	191283	46.956	ug/l	97
70) Styrene	10.71	104	325280	47.614	ug/l	99
71) Bromoform	10.85	173	88981	44.360	ug/l #	99
73) Isopropylbenzene	11.02	105	503139	46.475	ug/l	99
74) N-amyl acetate	10.90	43	199757	48.823	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	169072	47.157	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	139474m	47.925	ug/l	
77) Bromobenzene	11.26	156	138147	45.699	ug/l	100
78) n-propylbenzene	11.36	91	560006	47.066	ug/l	99
79) 2-Chlorotoluene	11.42	91	330269	46.614	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	418473	46.889	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	49320	39.535	ug/l	94
82) 4-Chlorotoluene	11.51	91	377921	46.876	ug/l	100
83) tert-Butylbenzene	11.77	119	414275	46.248	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	424458	47.337	ug/l	99
85) sec-Butylbenzene	11.94	105	497864	47.336	ug/l	100
86) p-Isopropyltoluene	12.06	119	452221	46.485	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	241659	45.797	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	241330	44.924	ug/l	99
89) n-Butylbenzene	12.38	91	384367	46.496	ug/l	99
90) Hexachloroethane	12.60	117	72051	42.832	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	240332	45.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34559	44.707	ug/l	95

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ClientSampleId :
VSTDCCC050

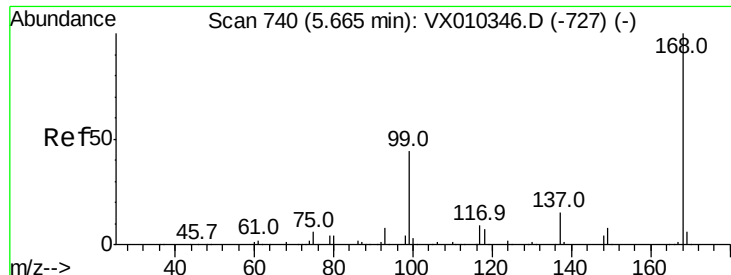
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	166312	45.729	ug/l	98
94) Hexachlorobutadiene	13.78	225	78650	44.248	ug/l	99
95) Naphthalene	13.83	128	530646	47.479	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	168942	46.720	ug/l	99

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



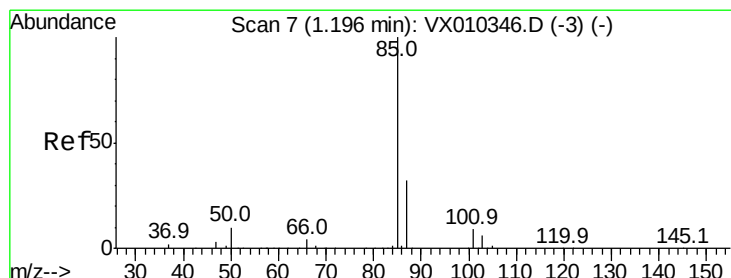
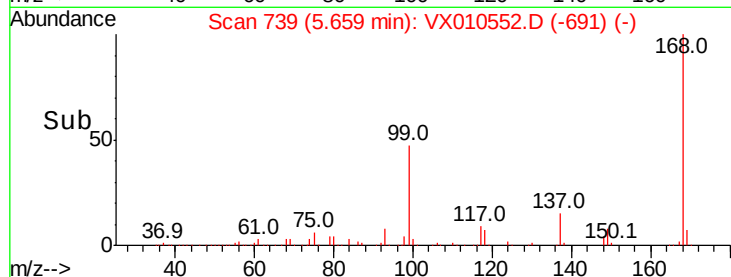
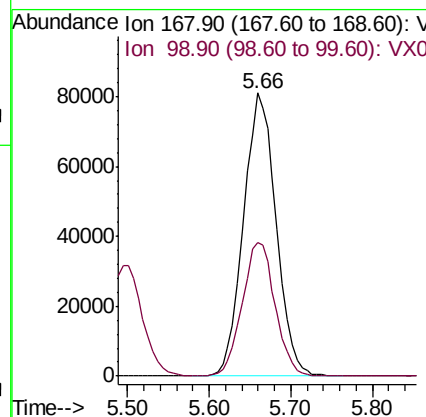
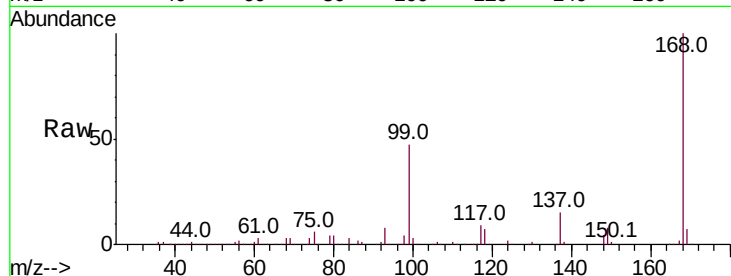
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.2	35.5	53.3

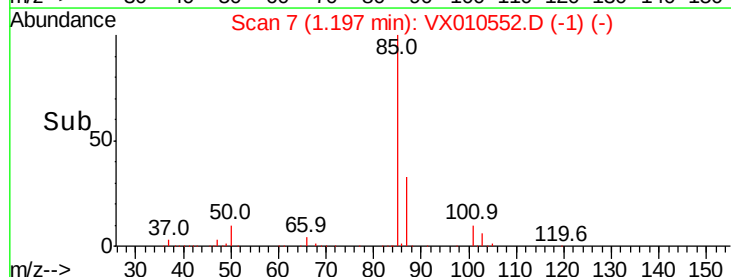
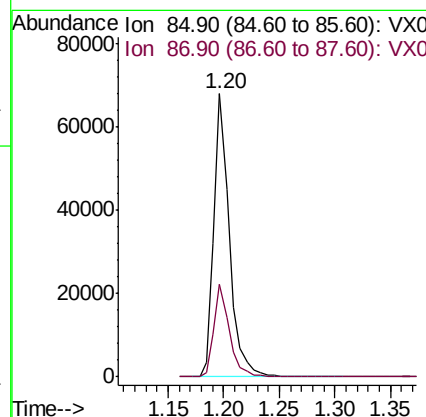
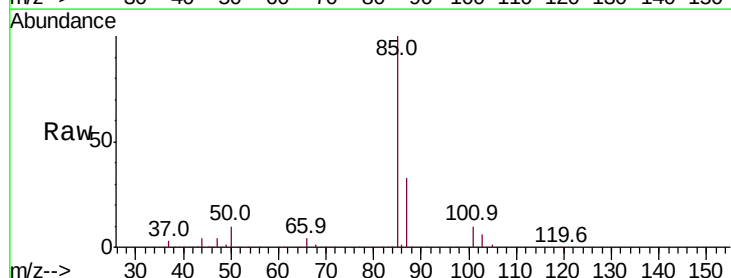
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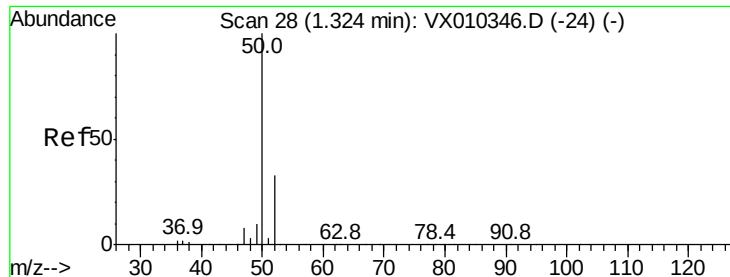
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#2
Dichlorodifluoromethane
Concen: 42.126 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.3	48.8





#3

Chloromethane

Concen: 42.272 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 76825

Ion Ratio Lower Upper

50 100

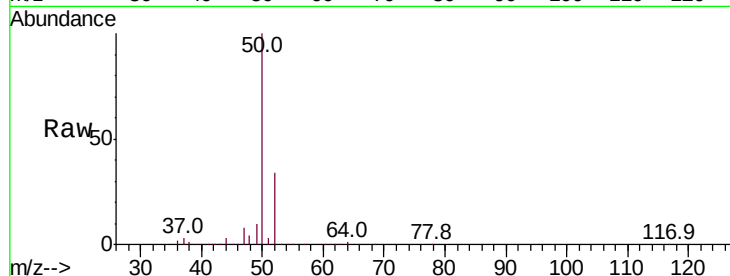
52 33.6 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

80000

60000

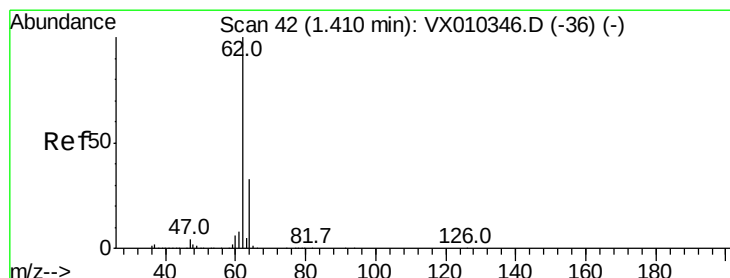
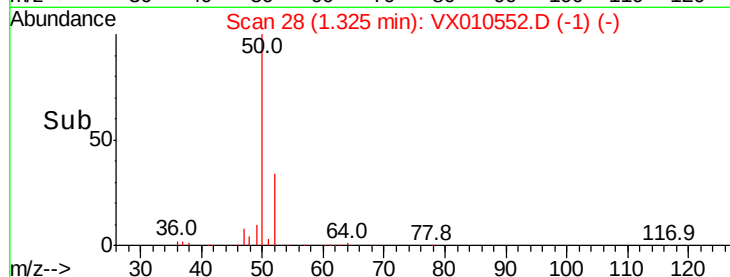
40000

20000

0

1.30 1.32 1.34 1.36 1.38 1.40 1.42 1.44 1.46 1.48 1.50

Time-->



#4

Vinyl Chloride

Concen: 42.543 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010552.D

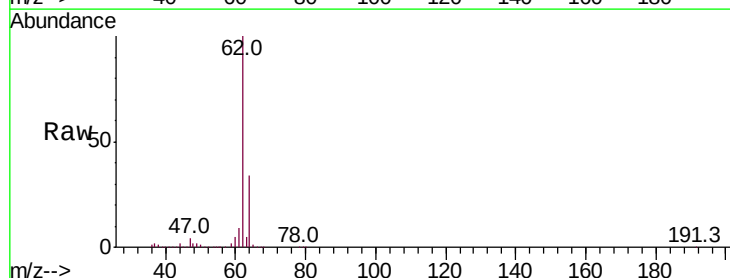
Acq: 28 Jun 2019 22:24

Tgt Ion: 62 Resp: 84685

Ion Ratio Lower Upper

62 100

64 33.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

80000

60000

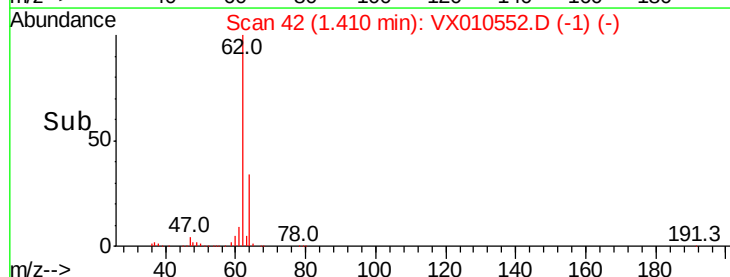
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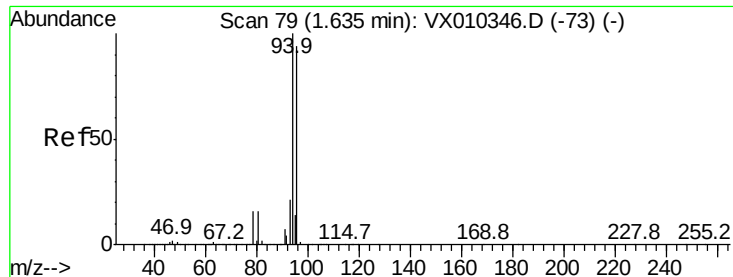
20000

0

1.35 1.40 1.41 1.42 1.43 1.44 1.45 1.46 1.47 1.48 1.49 1.50

Time-->





#5

Bromomethane

Concen: 49.089 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 47605

Ion Ratio Lower Upper

94 100

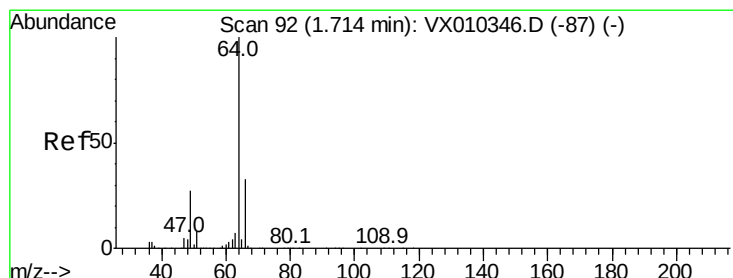
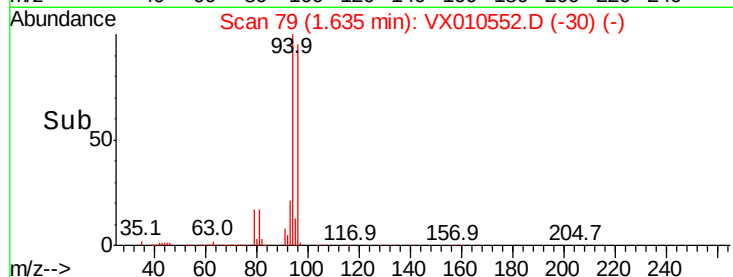
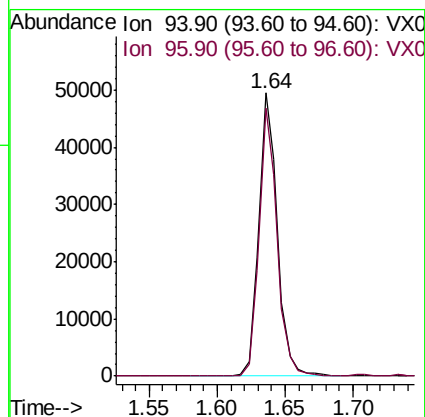
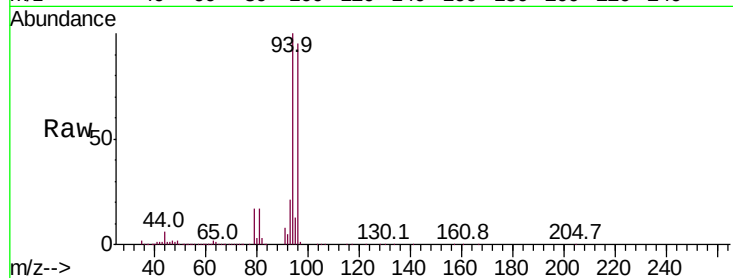
96 94.9 75.5 113.3

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#6

Chloroethane

Concen: 48.629 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010552.D

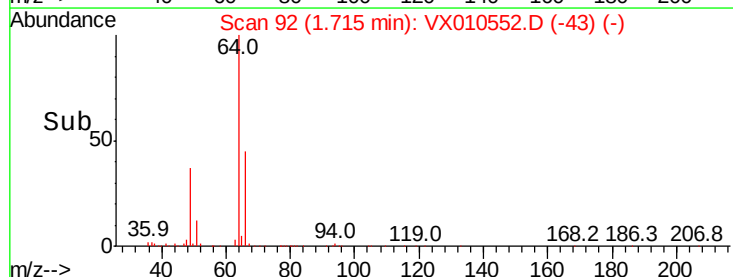
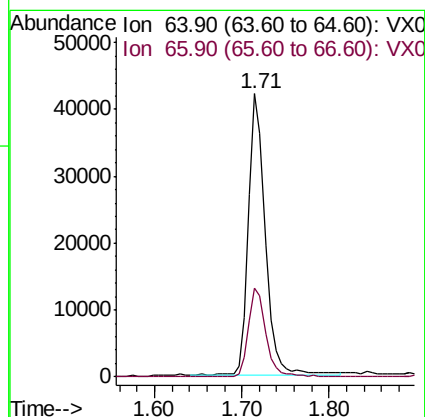
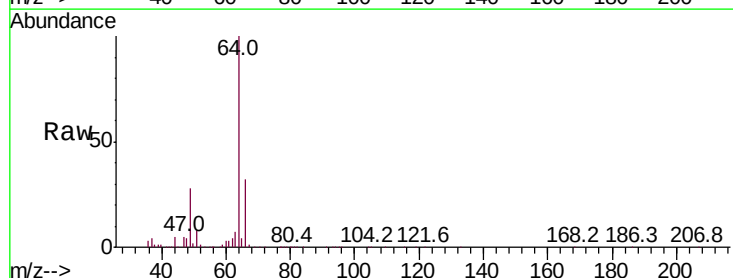
Acq: 28 Jun 2019 22:24

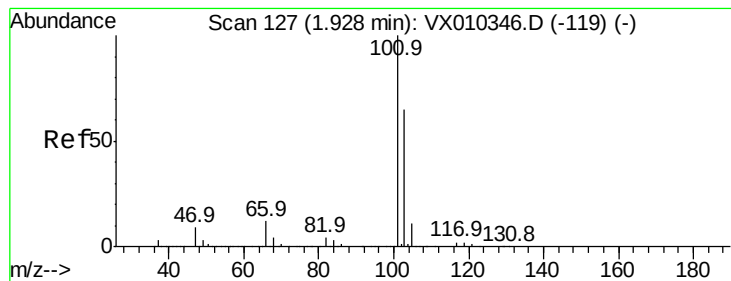
Tgt Ion: 64 Resp: 57110

Ion Ratio Lower Upper

64 100

66 31.5 26.6 40.0





#7

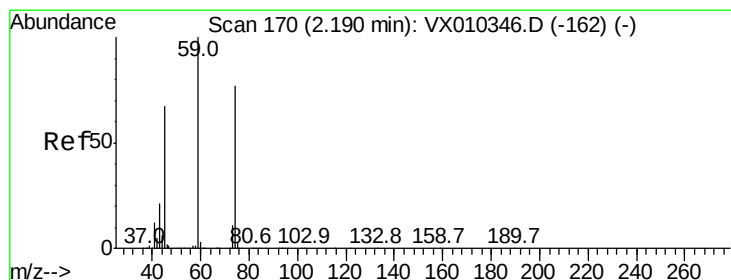
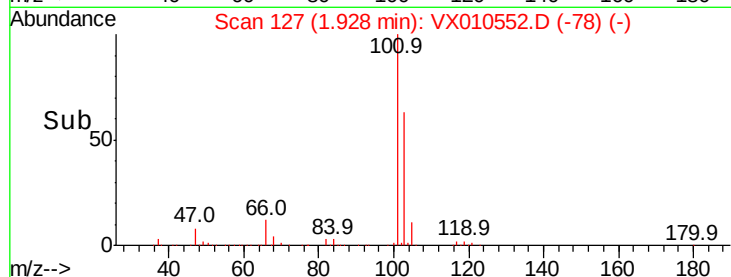
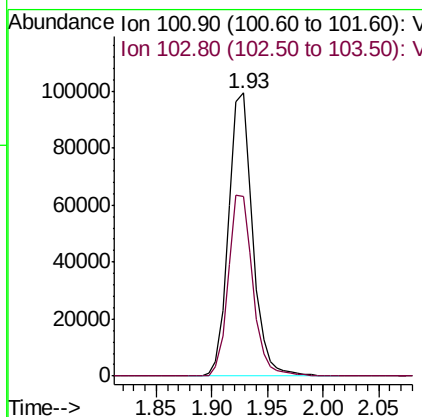
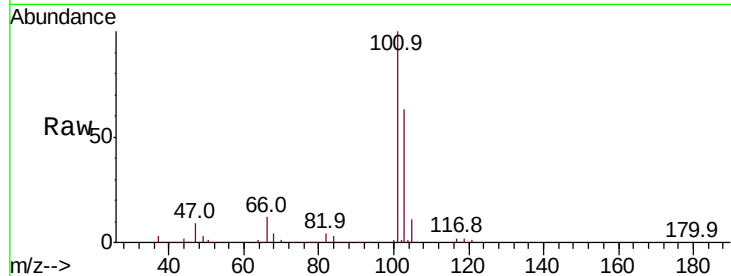
Trichlorofluoromethane
Concen: 47.125 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	148705		
103	63.3	52.3	78.5	

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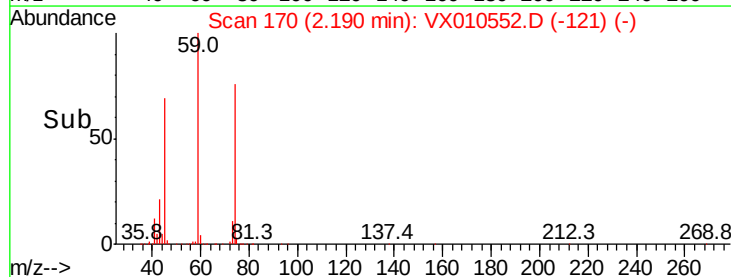
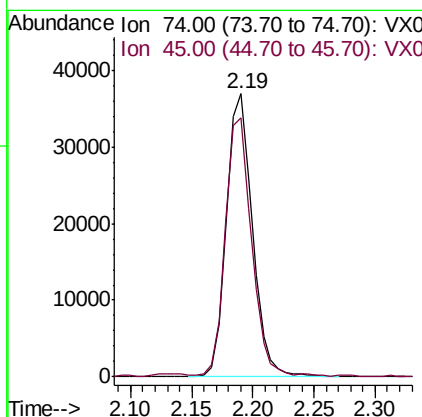
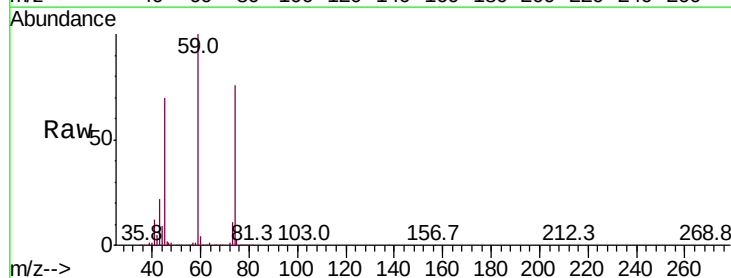
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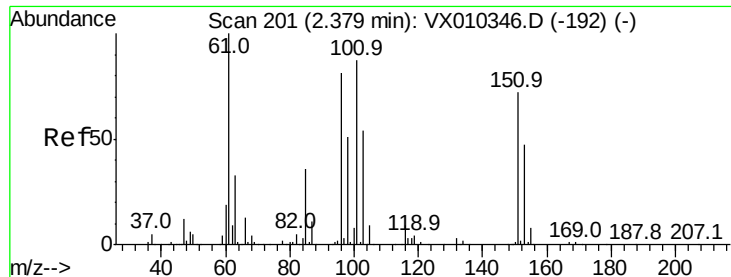


#8

Diethyl Ether
Concen: 47.824 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	54119		
45	91.7	44.8	134.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.020 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

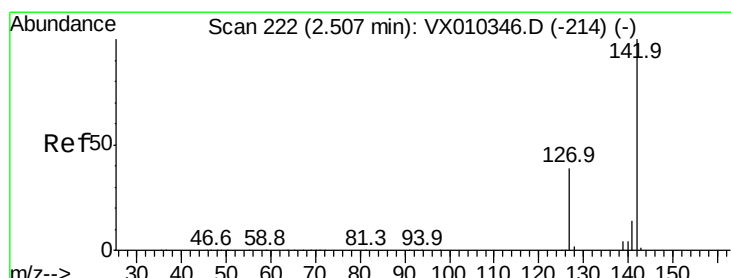
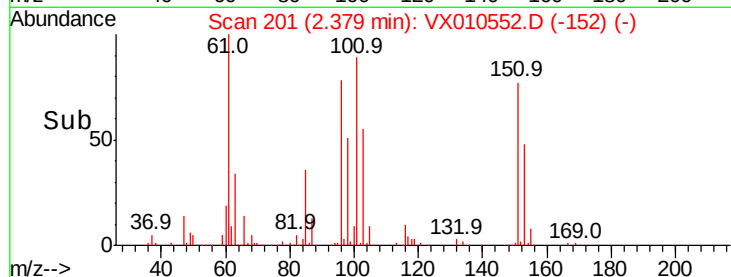
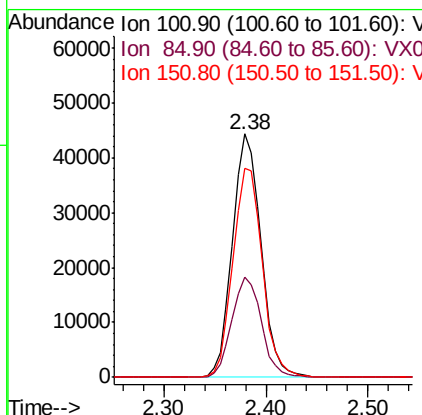
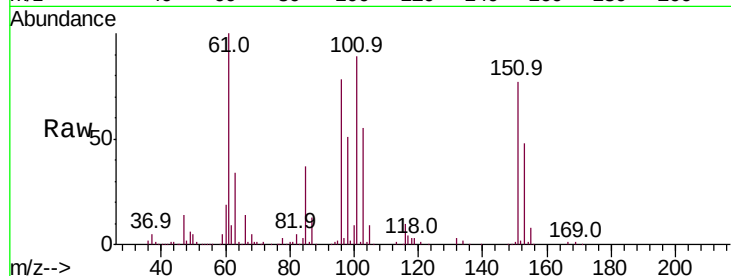
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	86091
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.7	50.5
151	88.3	70.1	105.1

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#10

Methyl Iodide

Concen: 47.208 ug/l

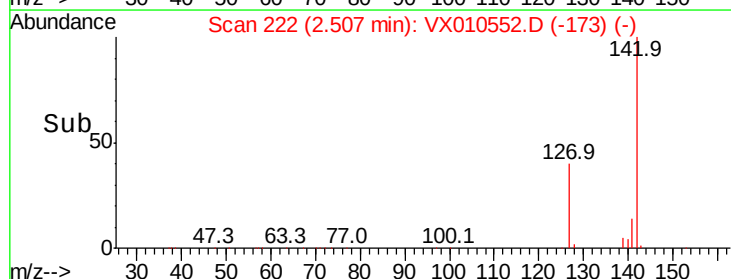
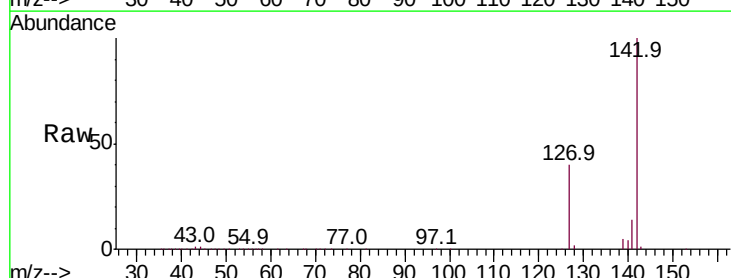
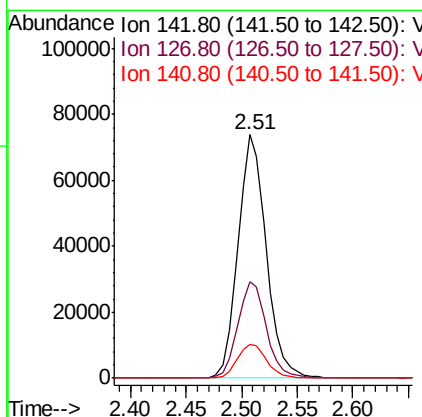
RT: 2.51 min Scan# 222

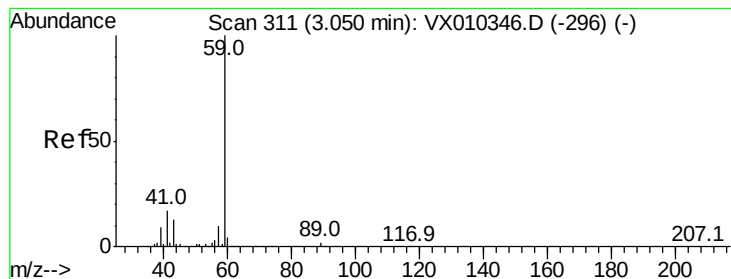
Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Tgt Ion:	142	Resp:	128834
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.1	46.7
141	14.4	11.2	16.8





#11

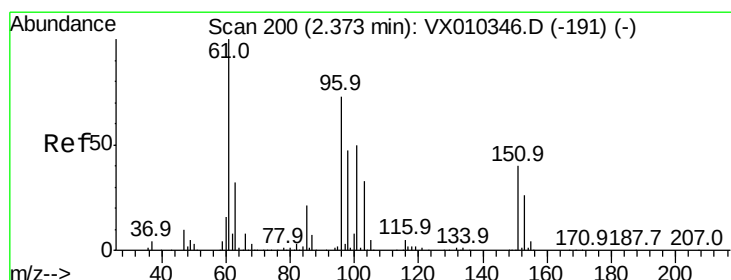
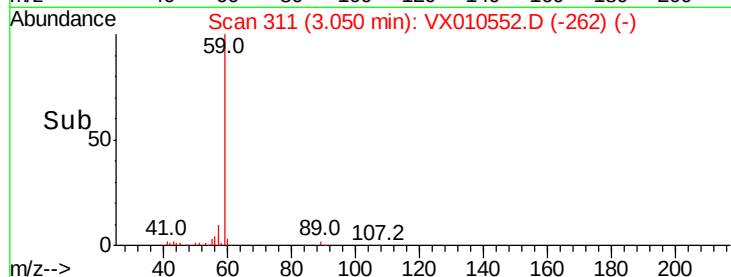
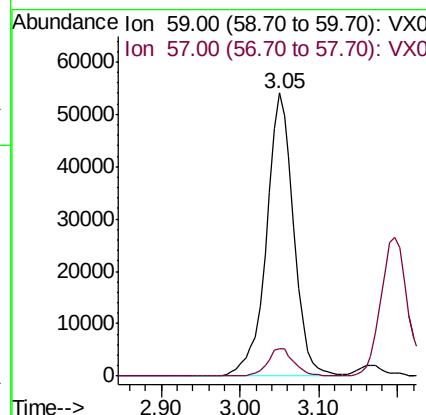
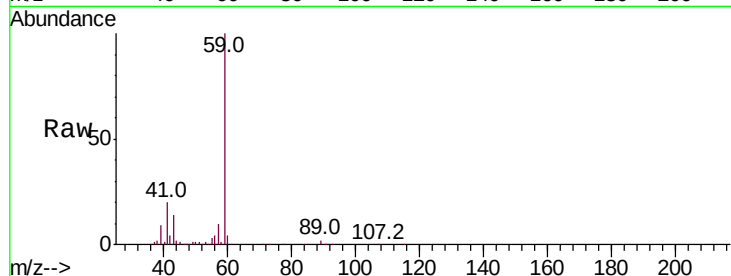
Tert butyl alcohol
Concen: 234.494 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.7	11.5

Manual Integrations
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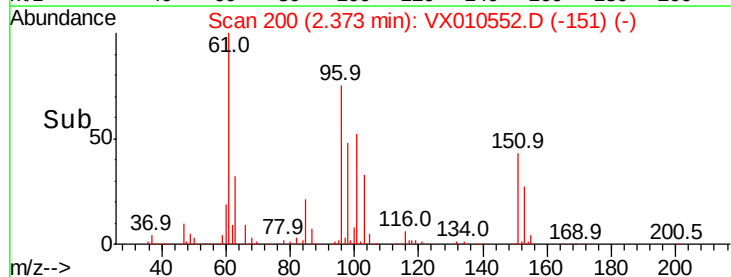
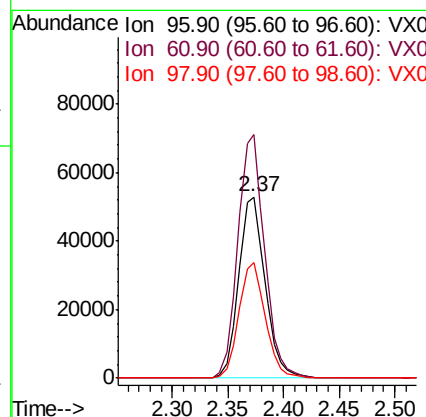
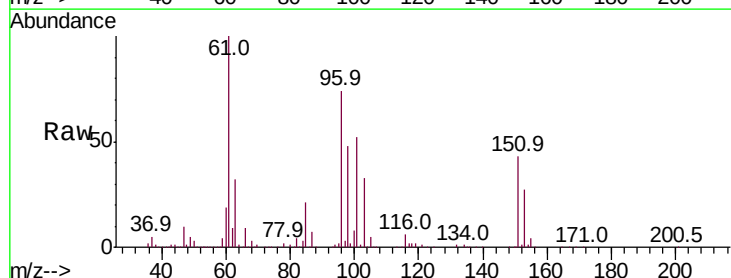
MMDadoda
7/1/2019 10:40:43 AM

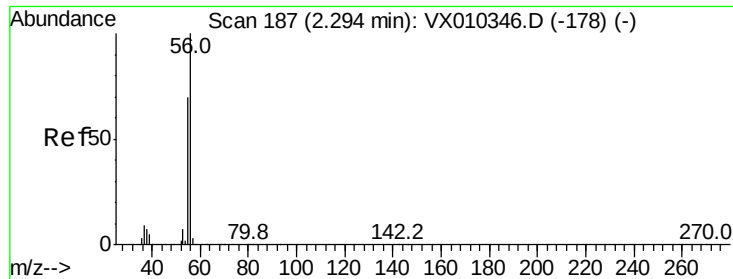


#12

1,1-Dichloroethene
Concen: 44.803 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.4	109.2	163.8
98	63.9	51.1	76.7





#13

Acrolein

Concen: 285.803 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 104423

Ion Ratio Lower Upper

56 100

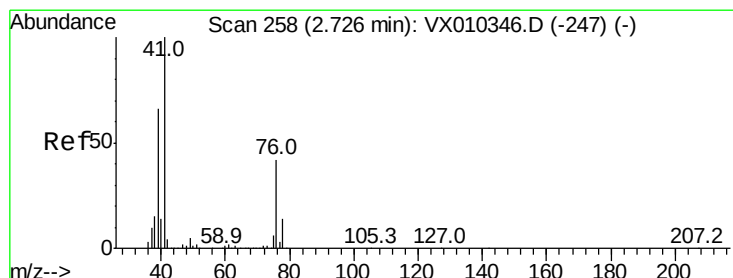
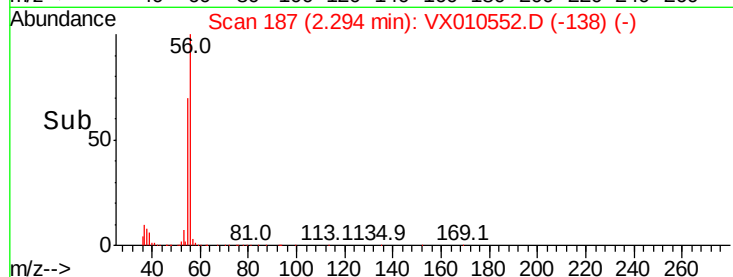
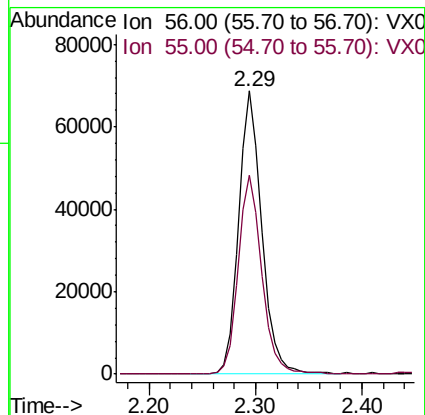
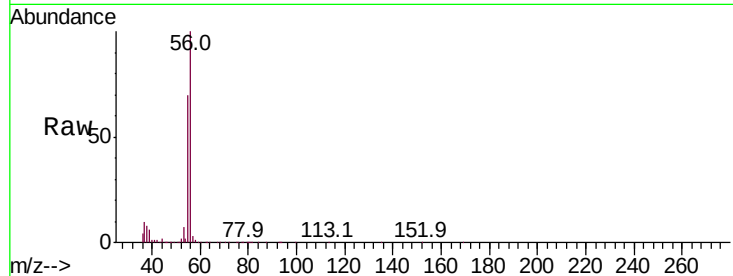
55 72.0 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 45.797 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

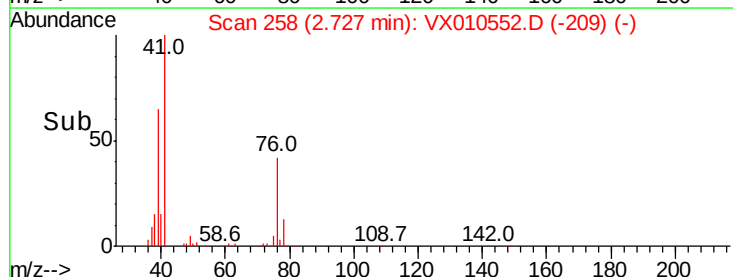
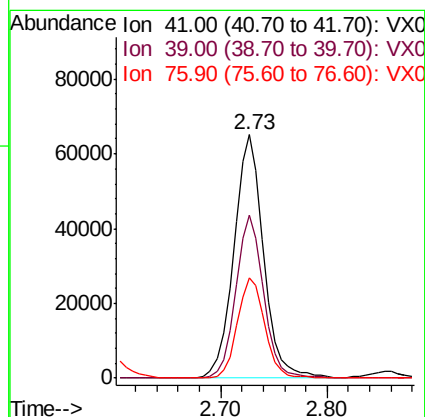
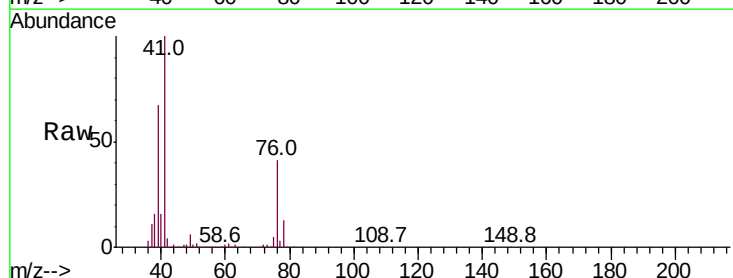
Tgt Ion: 41 Resp: 126516

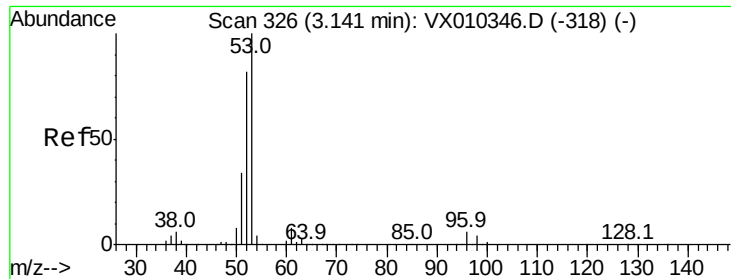
Ion Ratio Lower Upper

41 100

39 62.5 50.3 75.5

76 38.6 31.3 46.9





#15

Acrylonitrile

Concen: 247.924 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

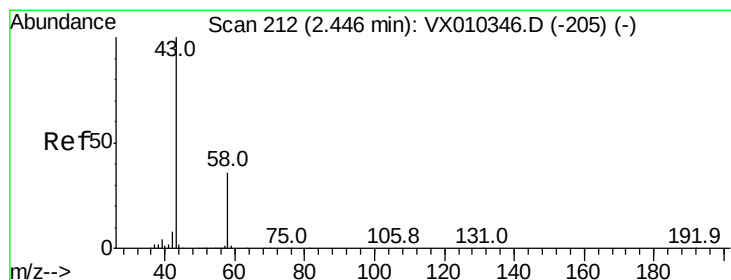
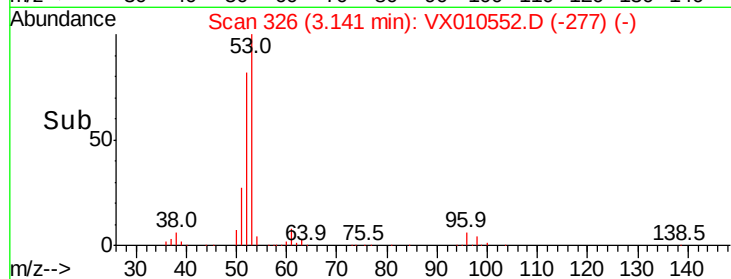
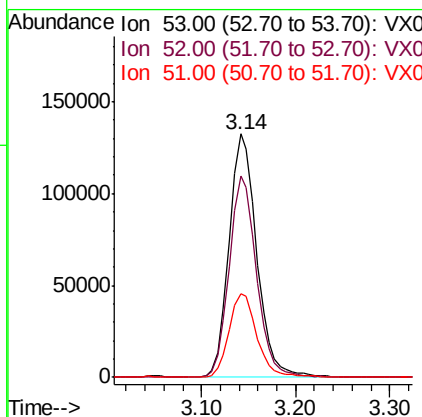
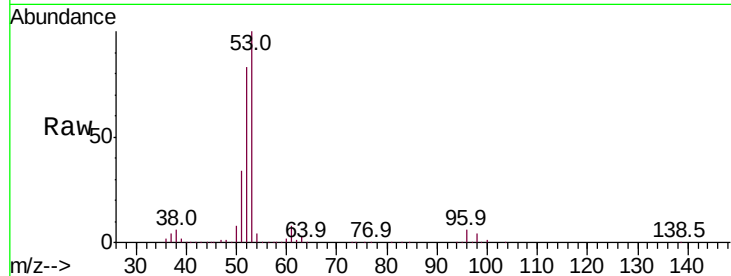
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	270351
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.5	98.3
51	35.0	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 213.140 ug/l

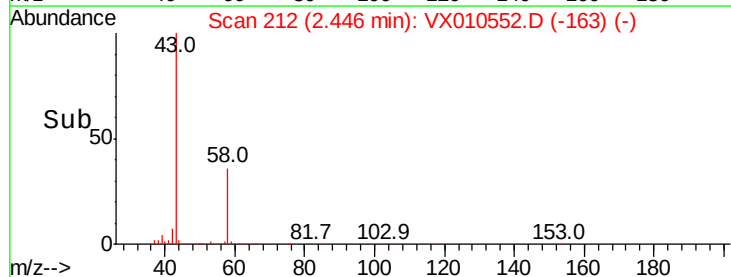
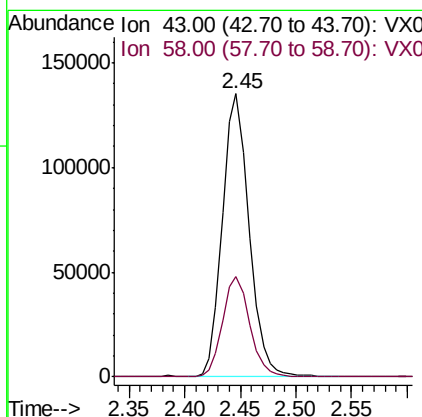
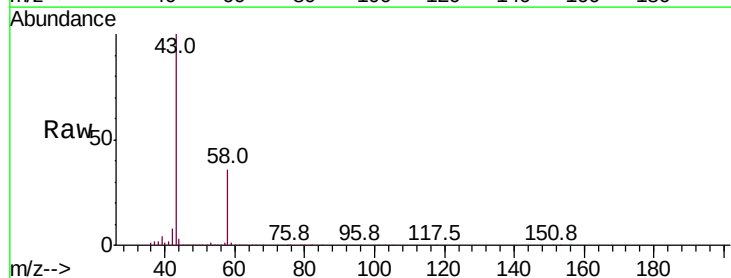
RT: 2.45 min Scan# 212

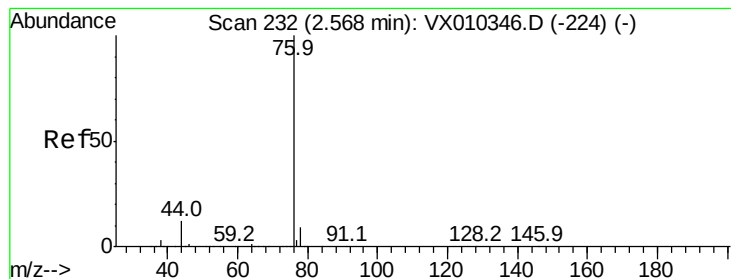
Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Tgt Ion:	43	Resp:	224838
Ion Ratio	Lower	Upper	
43	100		
58	35.7	28.9	43.3





#17

Carbon Disulfide

Concen: 38.037 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 198572

Ion Ratio Lower Upper

76 100

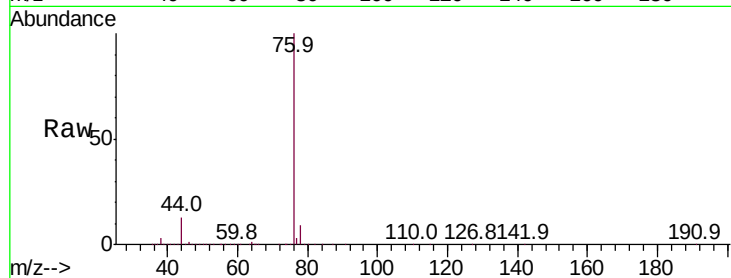
78 9.4 7.3 10.9

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

2.57

100000

50000

0

Time-->

2.50

2.60

2.70

2.80

2.90

3.00

3.10

3.20

3.30

3.40

3.50

3.60

3.70

3.80

3.90

4.00

4.10

4.20

4.30

4.40

4.50

4.60

4.70

4.80

4.90

5.00

5.10

5.20

5.30

5.40

5.50

5.60

5.70

5.80

5.90

6.00

6.10

6.20

6.30

6.40

6.50

6.60

6.70

6.80

6.90

7.00

7.10

7.20

7.30

7.40

7.50

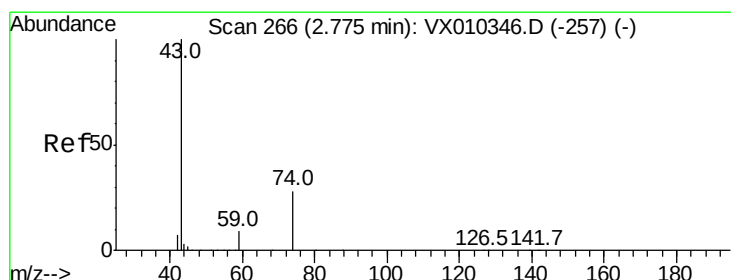
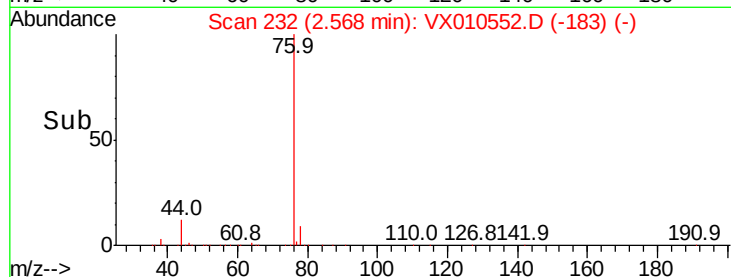
7.60

7.70

7.80

7.90

8.00



#18

Methyl Acetate

Concen: 50.104 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010552.D

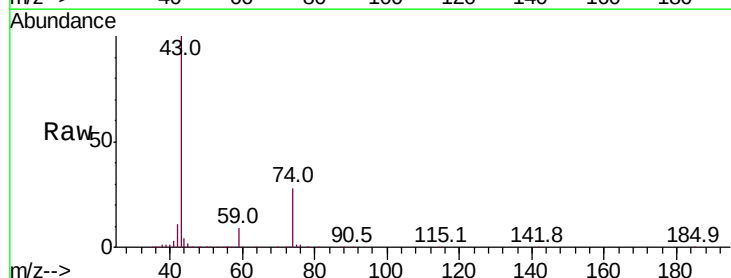
Acq: 28 Jun 2019 22:24

Tgt Ion: 43 Resp: 105341

Ion Ratio Lower Upper

43 100

74 27.4 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

40000

20000

0

Time-->

2.70

2.80

2.90

3.00

3.10

3.20

3.30

3.40

3.50

3.60

3.70

3.80

3.90

4.00

4.10

4.20

4.30

4.40

4.50

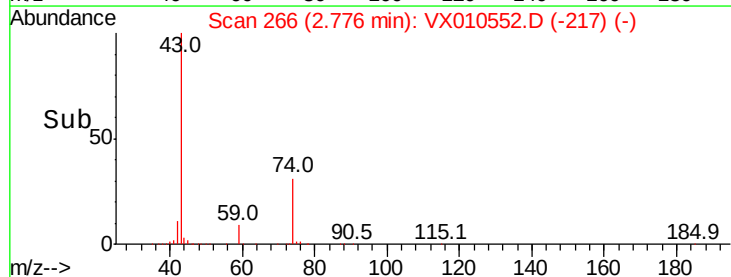
4.60

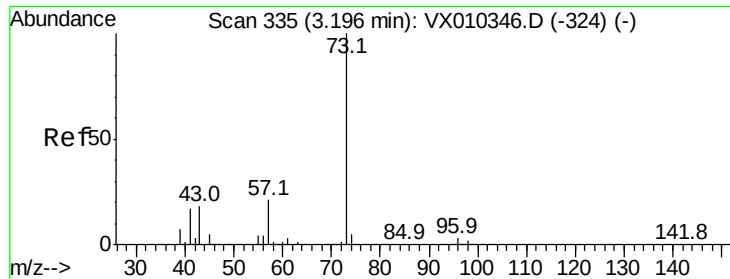
4.70

4.80

4.90

5.00





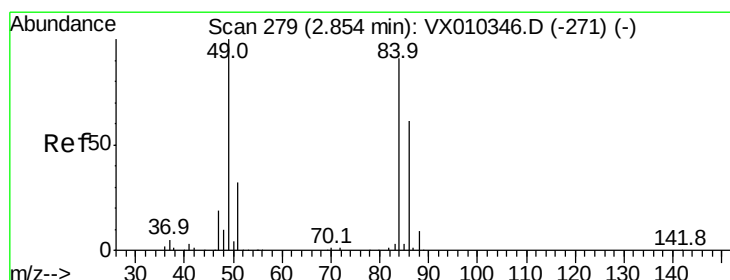
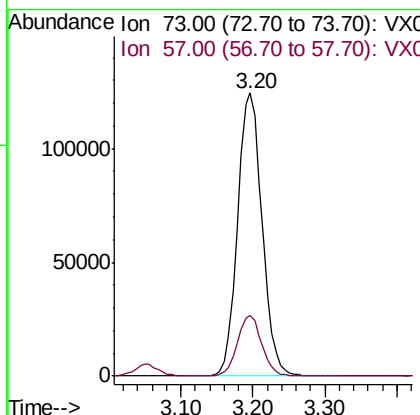
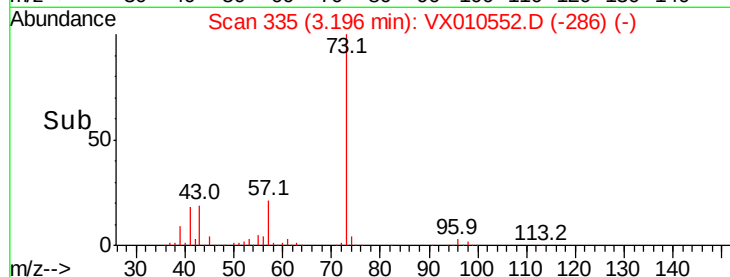
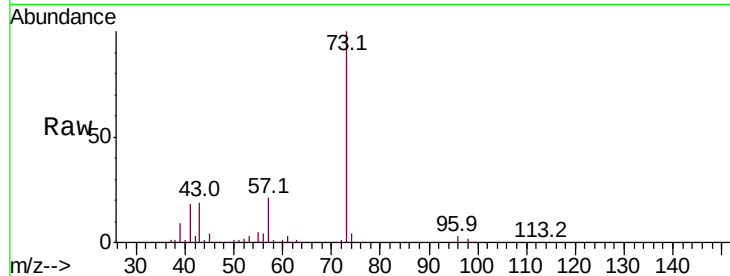
#19
Methyl tert-butyl Ether
Concen: 47.913 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 293300
Ion Ratio Lower Upper
73 100
57 21.3 16.4 24.6

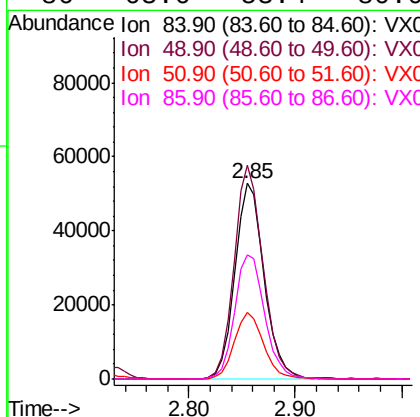
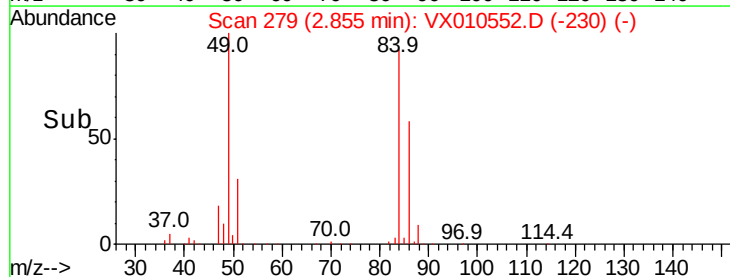
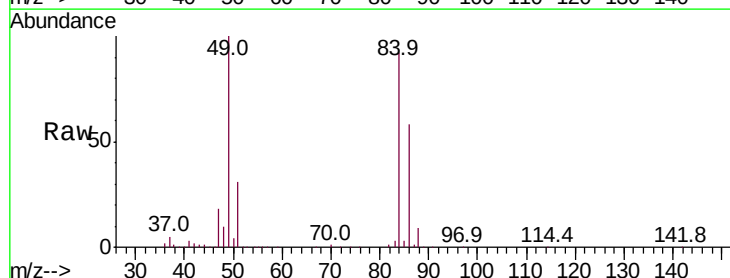
Manual Integrations
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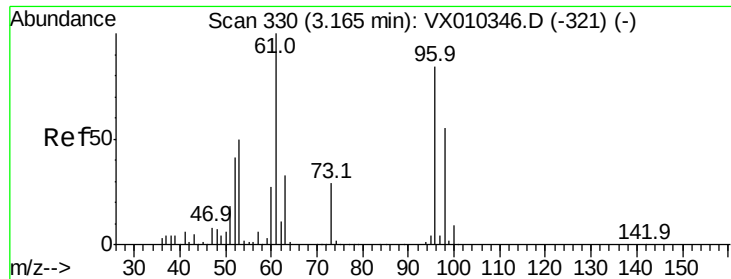
MMDadoda
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#20
Methylene Chloride
Concen: 47.019 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion: 84 Resp: 102073
Ion Ratio Lower Upper
84 100
49 109.0 87.5 131.3
51 33.8 27.7 41.5
86 63.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 44.918 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 94003

Ion Ratio Lower Upper

96 100

61 117.5 95.6 143.4

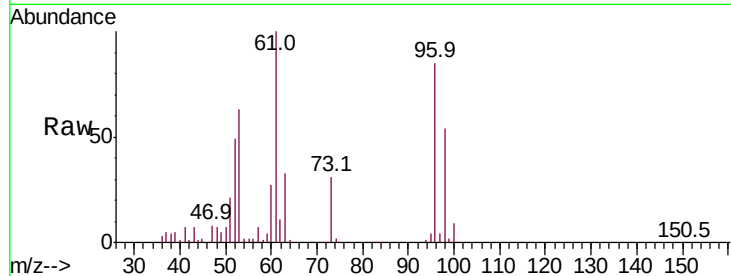
98 63.0 52.5 78.7

Manual Integrations

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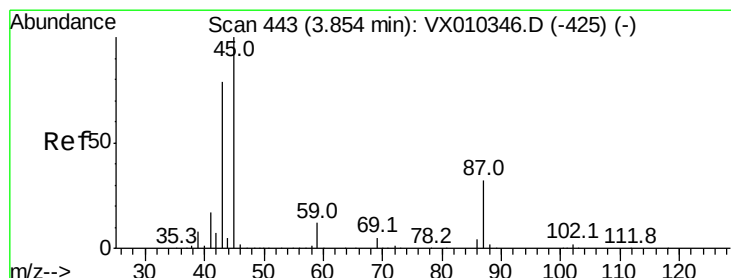
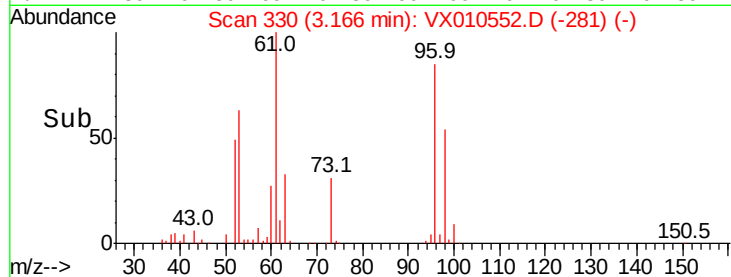
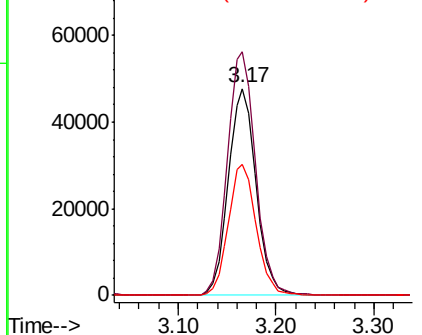


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.487 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Tgt Ion: 45 Resp: 280058

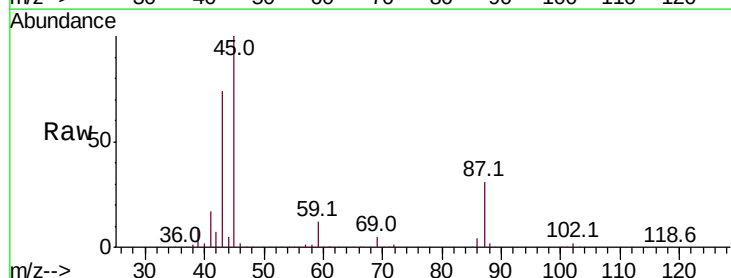
Ion Ratio Lower Upper

45 100

43 74.0 63.3 94.9

87 31.3 25.8 38.8

59 11.9 9.6 14.4



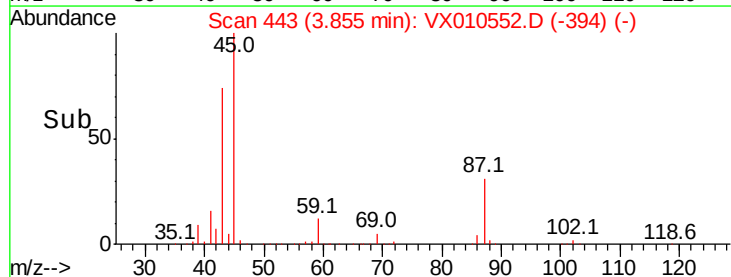
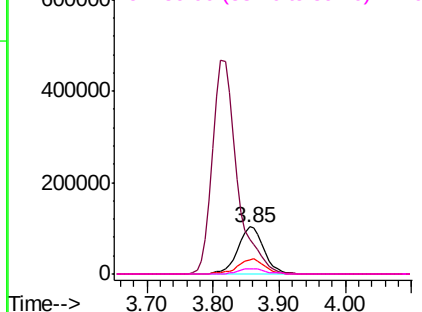
Abundance

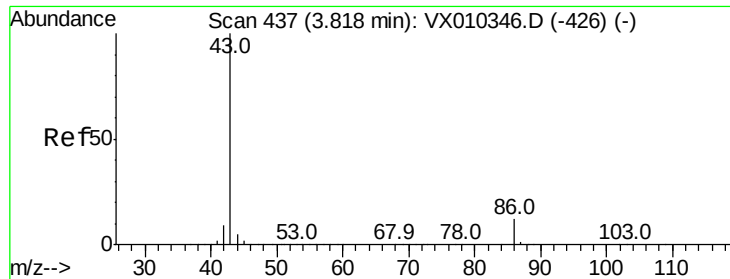
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 243.192 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1213463

Ion Ratio Lower Upper

43 100

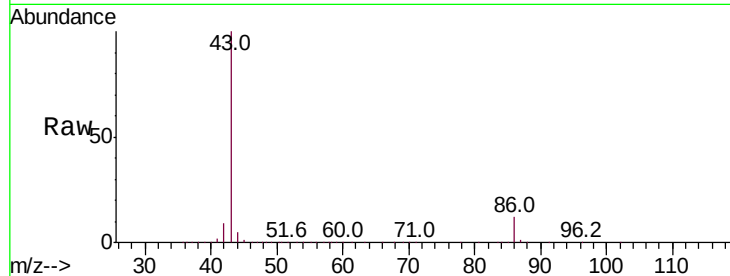
86 11.7 9.9 14.9

Manual Integrations

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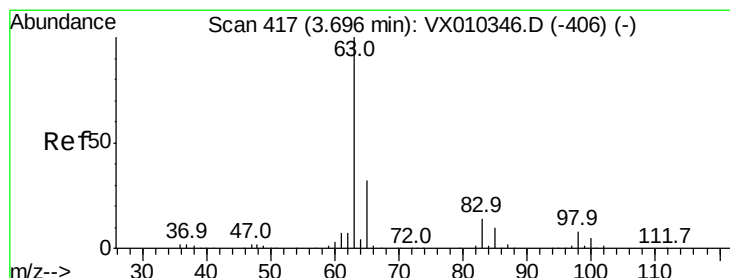
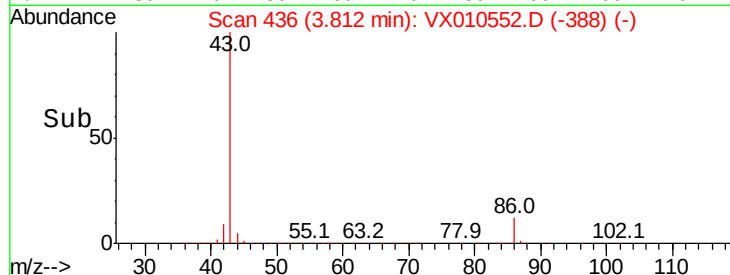
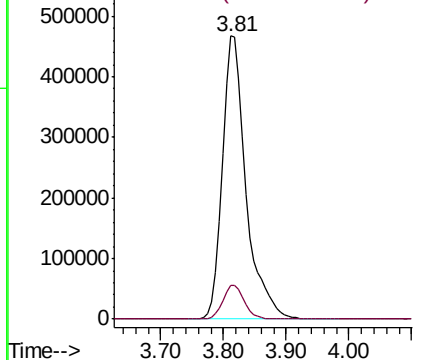
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.593 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

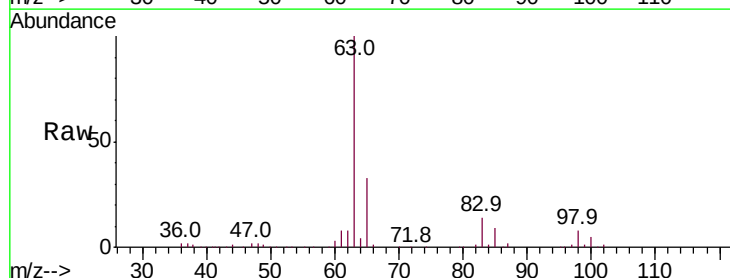
Tgt Ion: 63 Resp: 158898

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

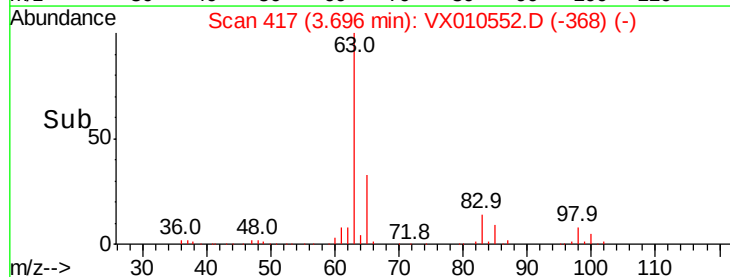
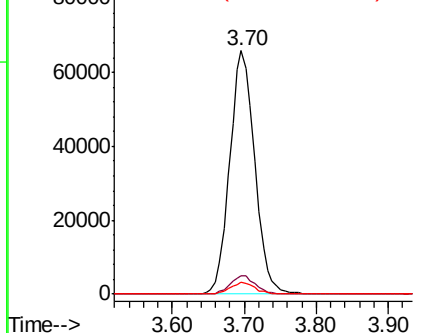
100 5.0 2.4 7.1

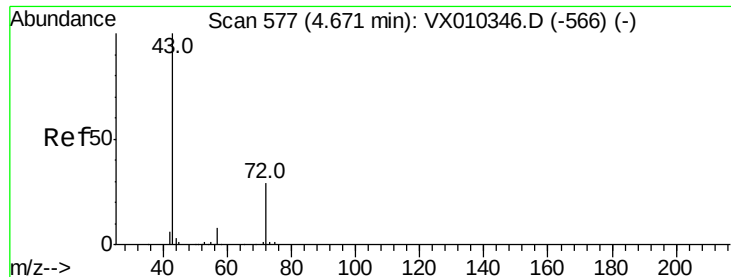


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 238.646 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 369276

Ion Ratio Lower Upper

43 100

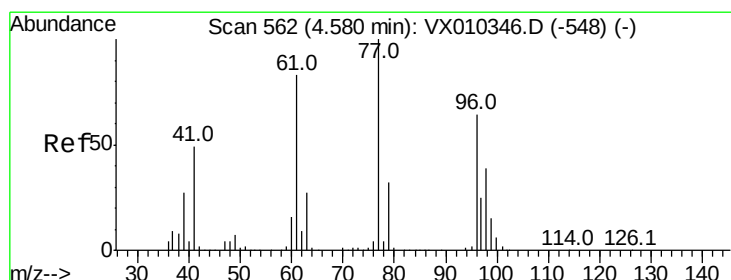
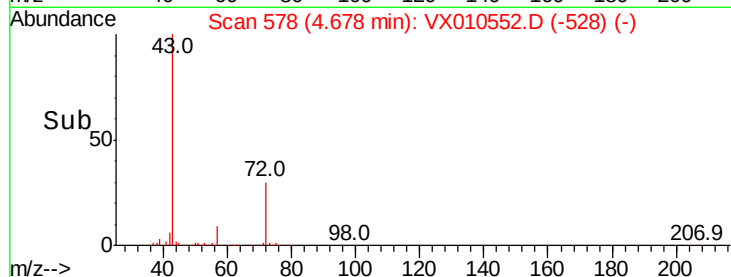
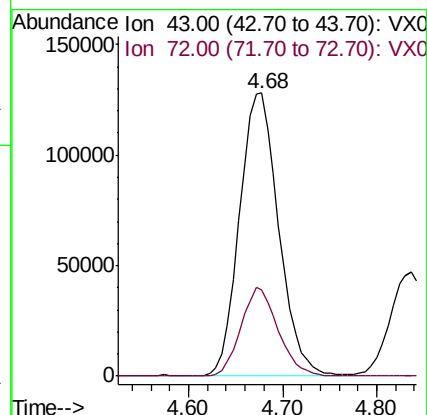
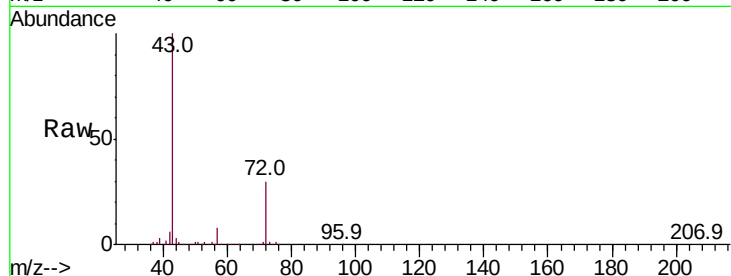
72 30.4 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 37.676 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010552.D

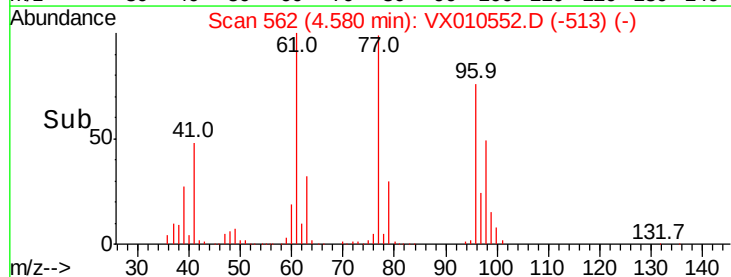
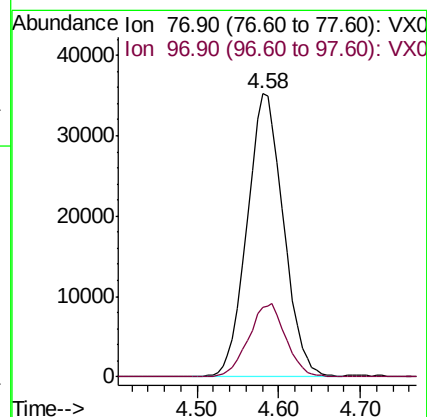
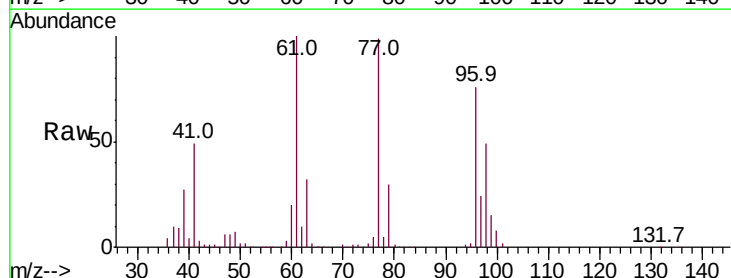
Acq: 28 Jun 2019 22:24

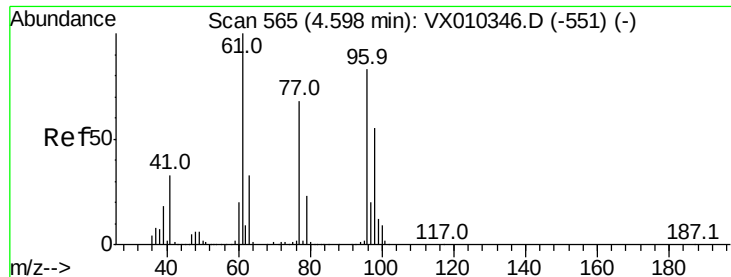
Tgt Ion: 77 Resp: 109271

Ion Ratio Lower Upper

77 100

97 26.3 13.1 39.3





#27

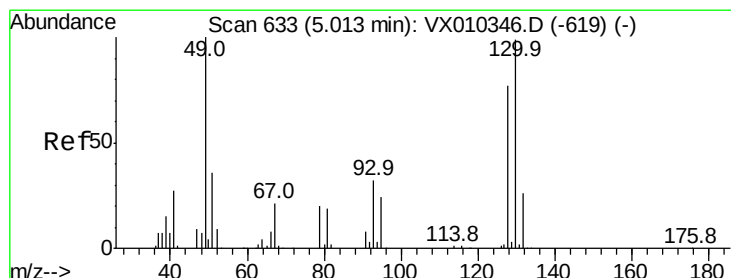
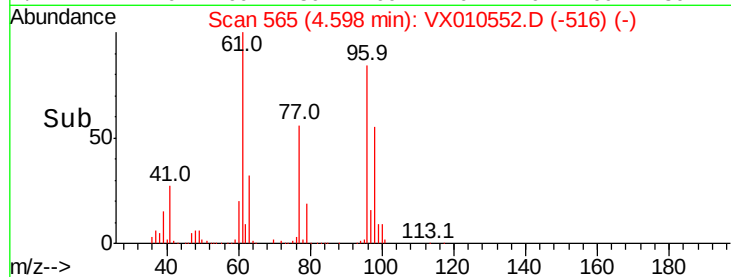
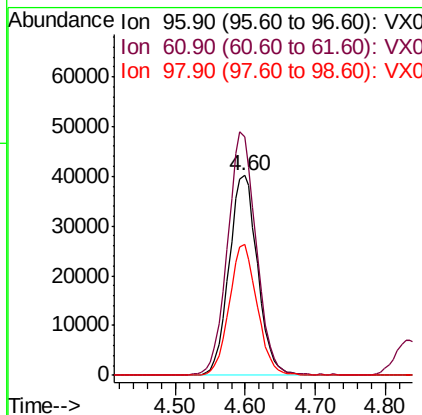
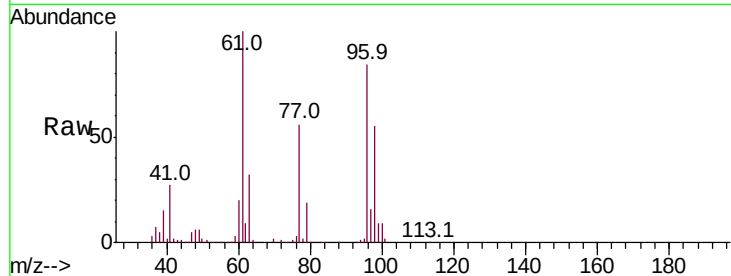
cis-1,2-Dichloroethene
Concen: 47.033 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	113745		
61	121.8	0.0	251.8	
98	64.0	0.0	129.4	

Manual Integrations
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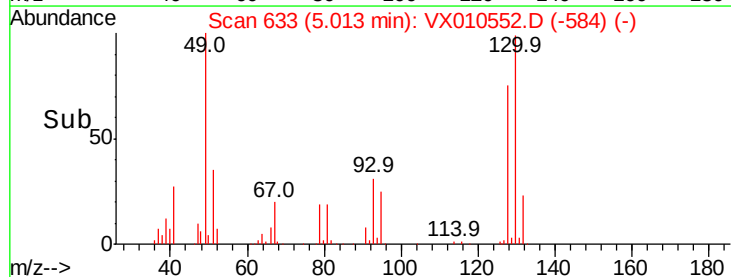
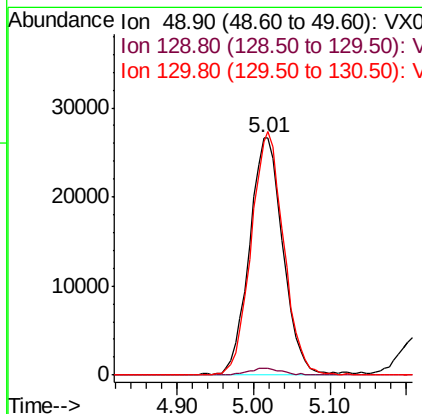
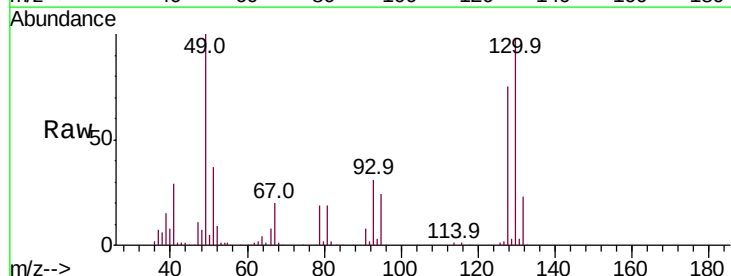
MMDadoda
7/1/2019 10:40:43 AM

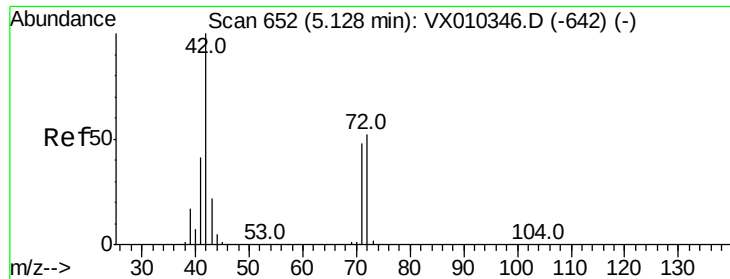


#28

Bromochloromethane
Concen: 51.142 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81636		
129	2.9	0.0	5.6	
130	99.1	81.4	122.0	





#29

Tetrahydrofuran

Concen: 247.515 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

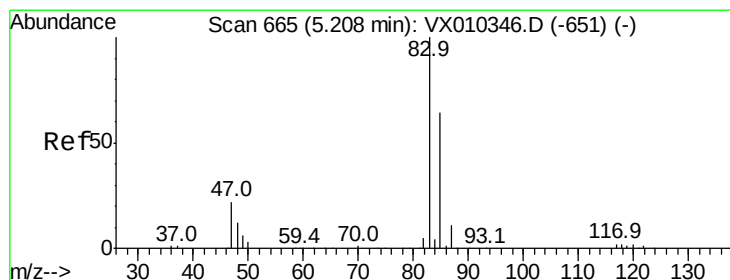
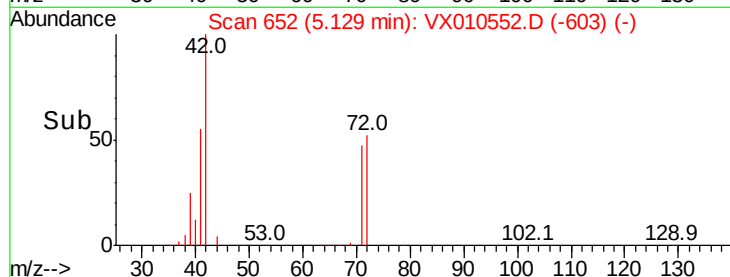
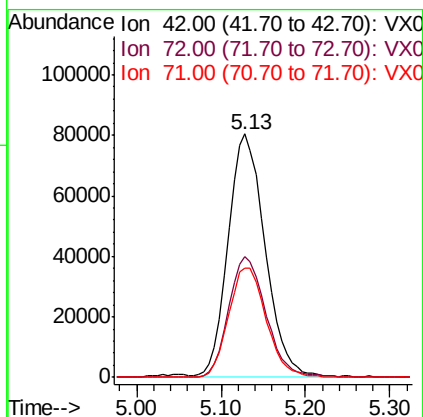
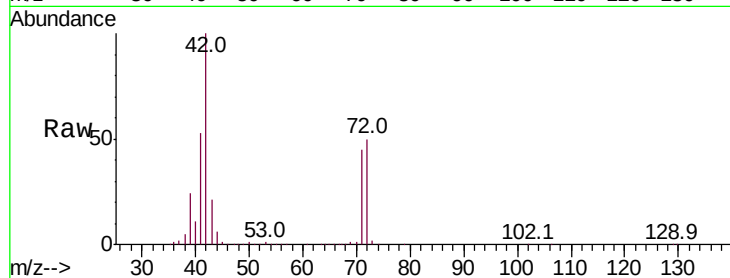
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	237233
Ion	Ratio	Lower	Upper
42	100		
72	50.9	40.6	60.8
71	46.4	37.8	56.8

Manual Integrations
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#30

Chloroform

Concen: 48.223 ug/l

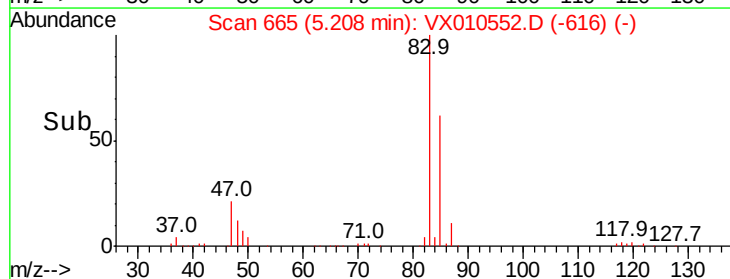
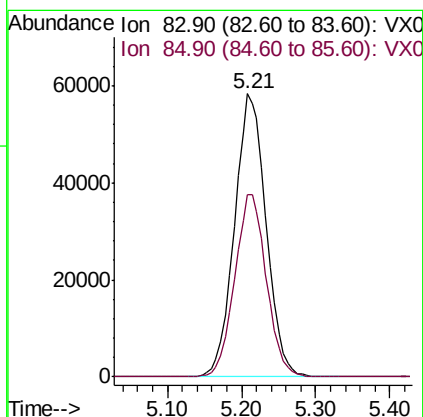
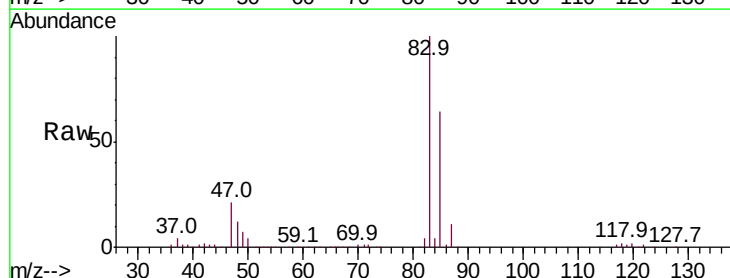
RT: 5.21 min Scan# 665

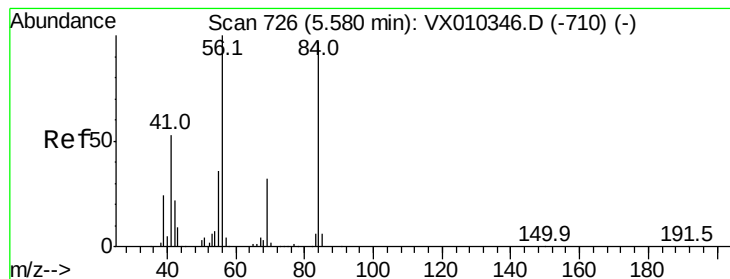
Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Tgt Ion:	83	Resp:	173229
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3





#31

Cyclohexane

Concen: 44.593 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

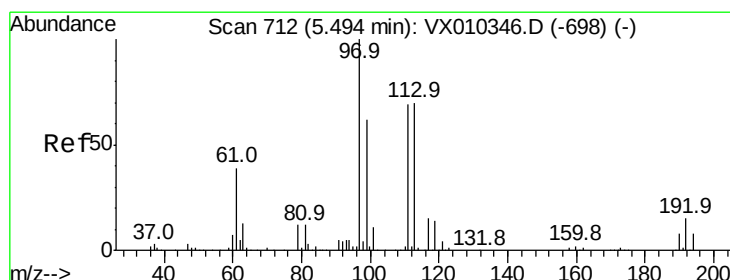
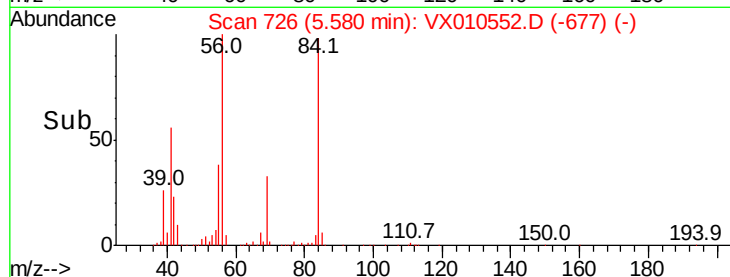
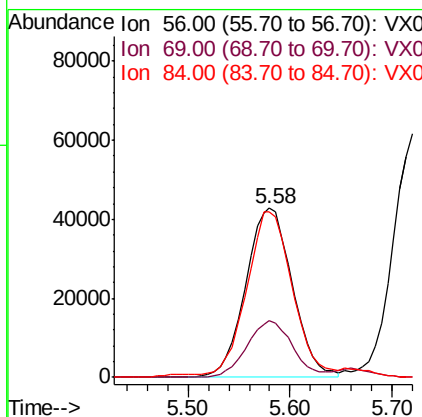
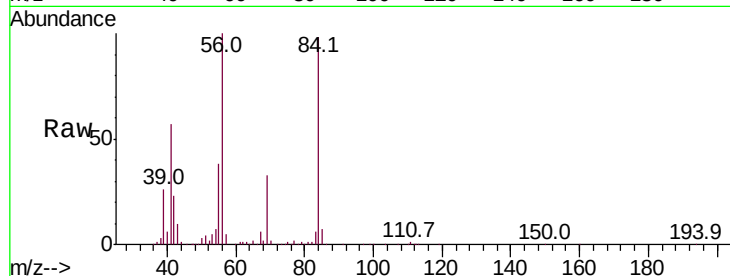
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	135576
Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.9	38.9
84	96.1	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.897 ug/l

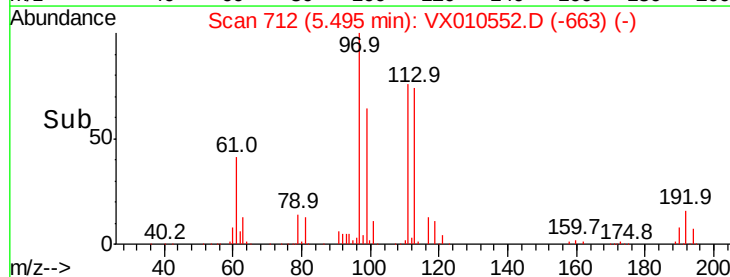
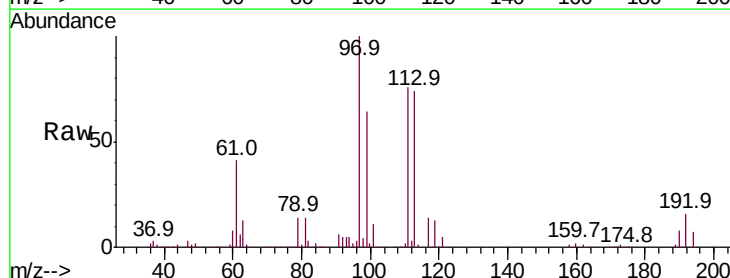
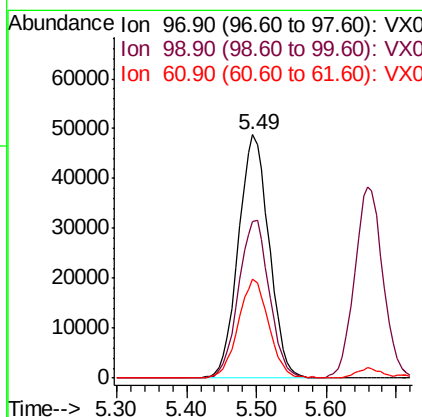
RT: 5.49 min Scan# 712

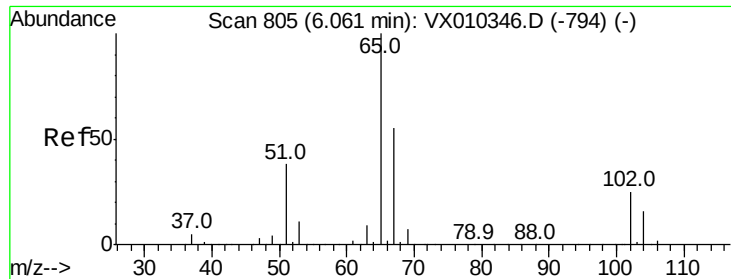
Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Tgt Ion:	97	Resp:	148753
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.8	77.8
61	40.3	32.1	48.1





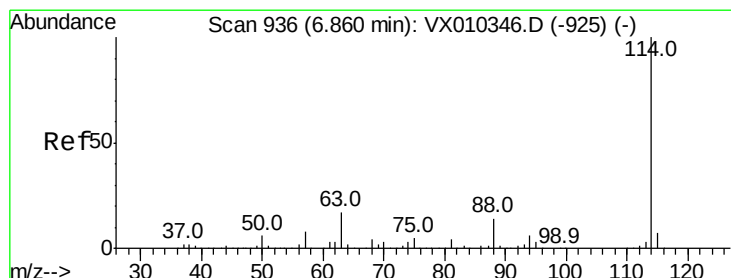
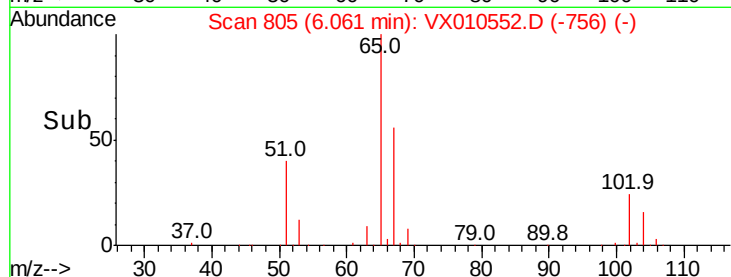
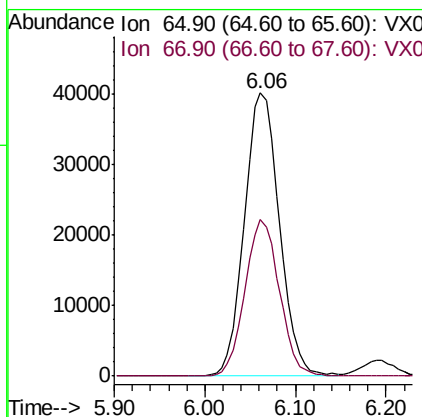
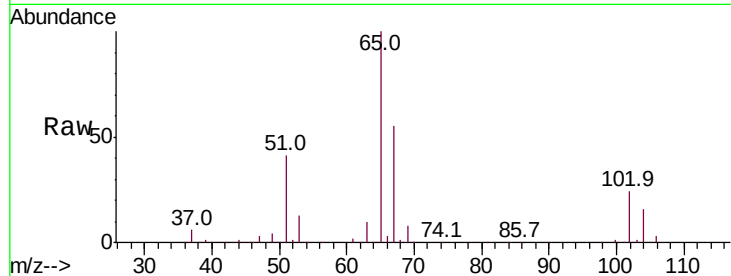
#33
 1,2-Dichloroethane-d4
 Concen: 51.159 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010552.D
 Acq: 28 Jun 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	110.2

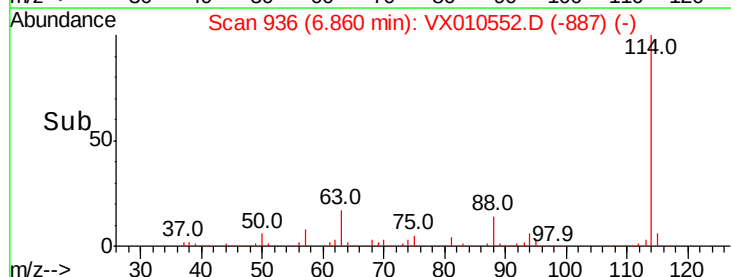
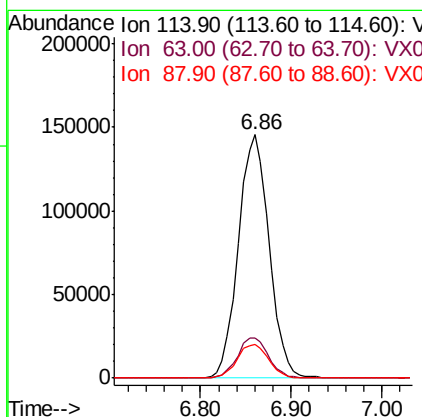
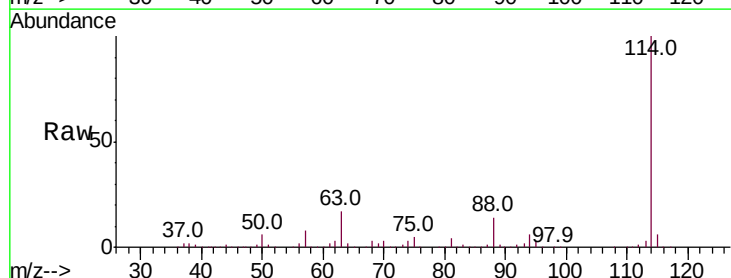
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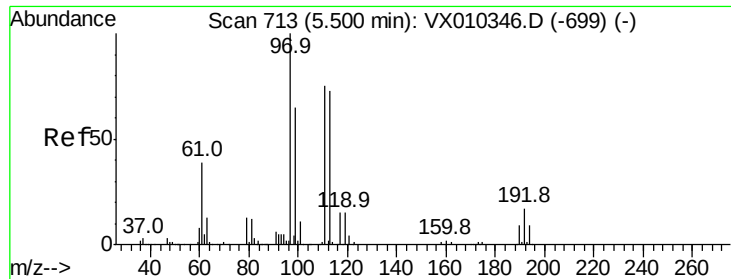
MMDadoda
 7/1/2019 10:40:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010552.D
 Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	33.8
88	13.9	0.0	27.6





#35

Dibromofluoromethane

Concen: 50.146 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

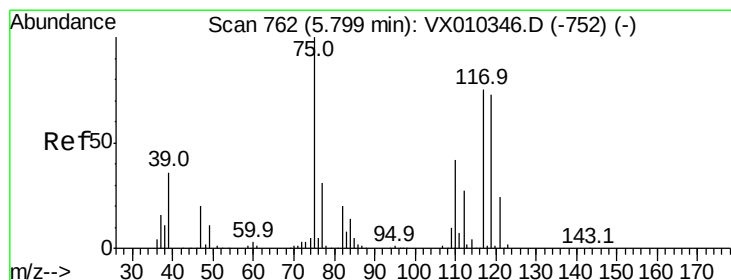
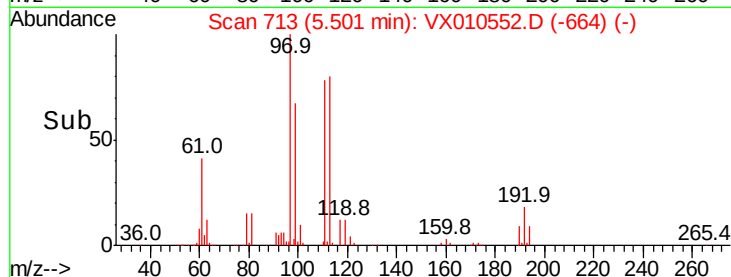
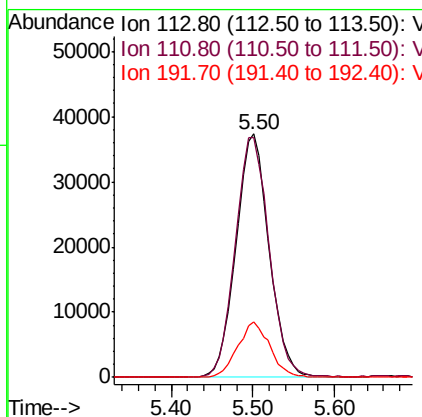
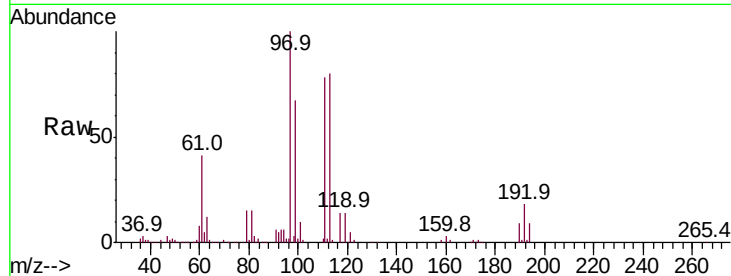
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	104786
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.2	121.8
192	22.1	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 43.658 ug/l

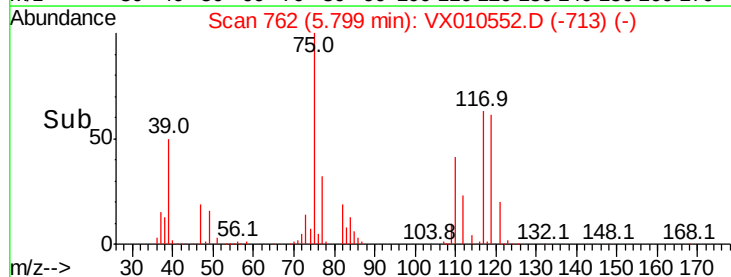
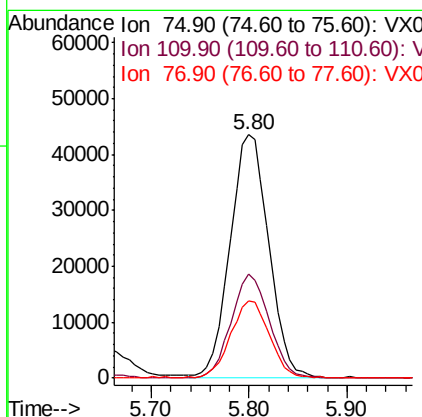
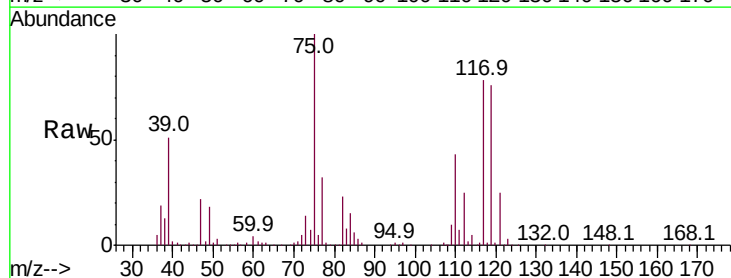
RT: 5.80 min Scan# 762

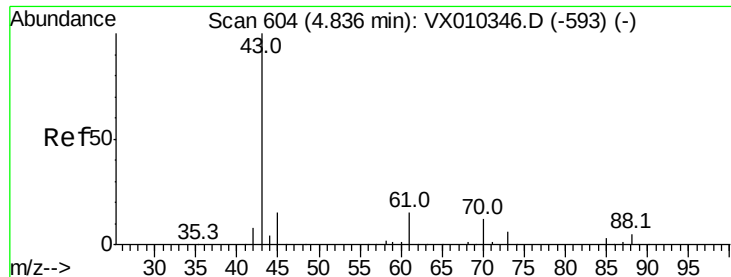
Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Tgt Ion:	75	Resp:	118489
Ion Ratio	Lower	Upper	
75	100		
110	42.3	20.8	62.2
77	32.4	25.4	38.0





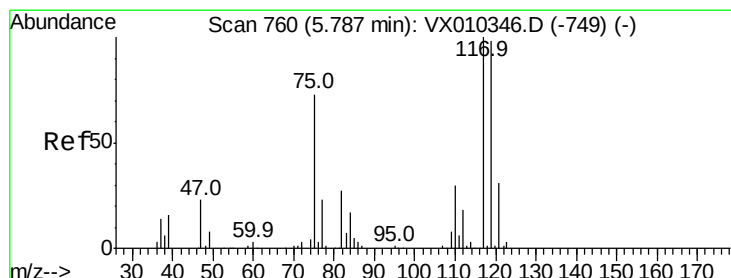
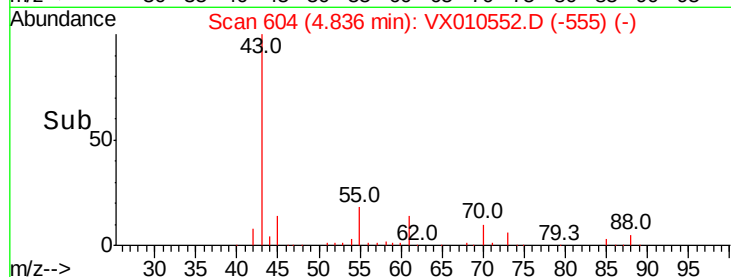
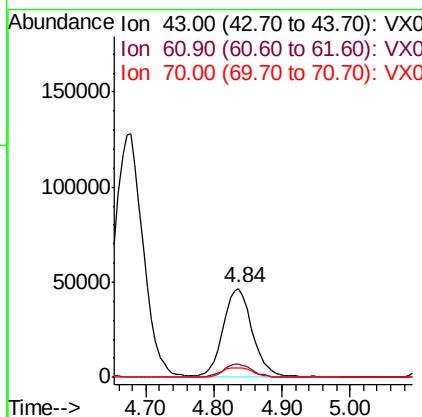
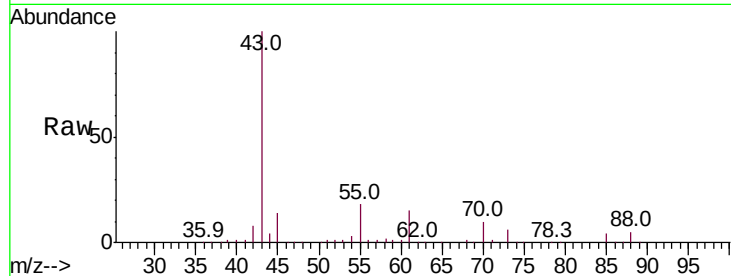
#37
Ethyl Acetate
Concen: 49.436 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.4	18.6
70	11.6	9.8	14.8

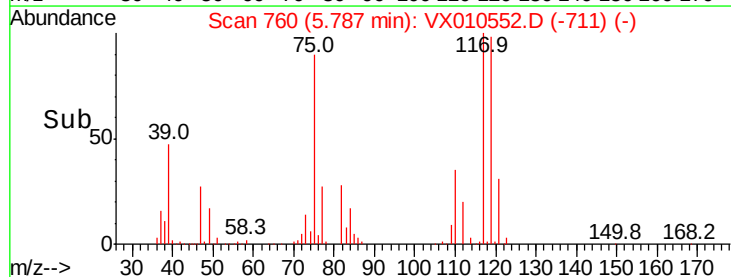
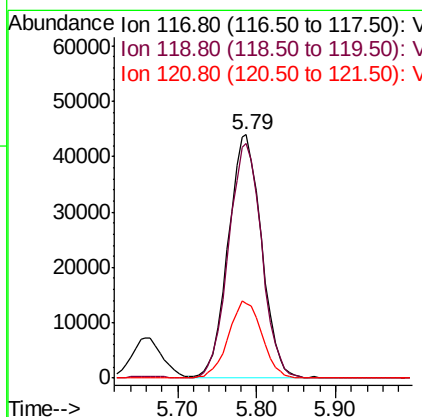
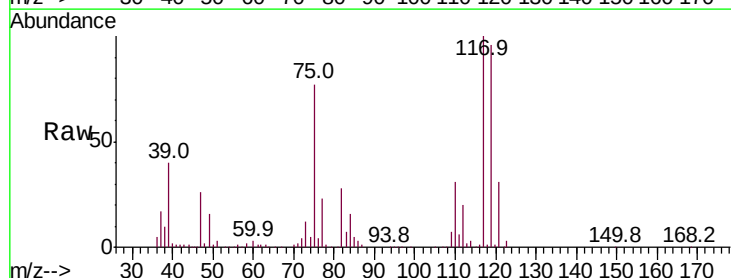
Manual Integrations
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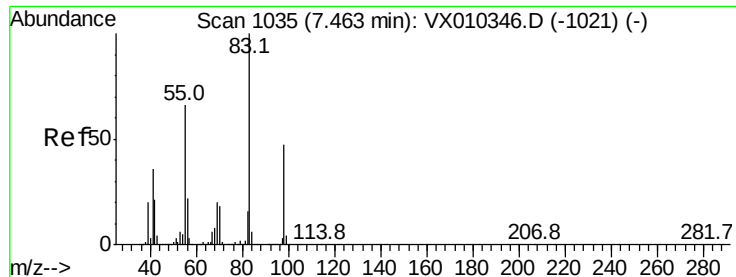
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#38
Carbon Tetrachloride
Concen: 43.961 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.2	117.4
121	30.5	24.7	37.1





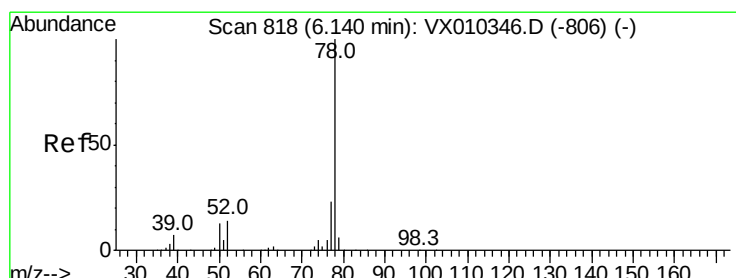
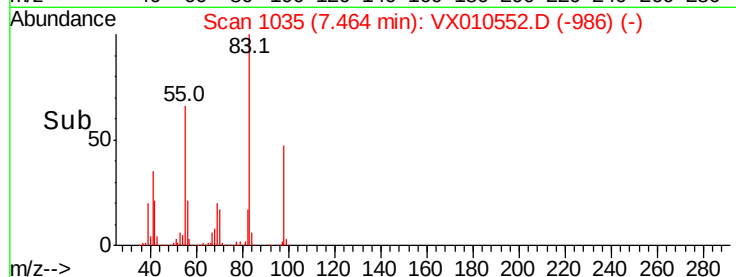
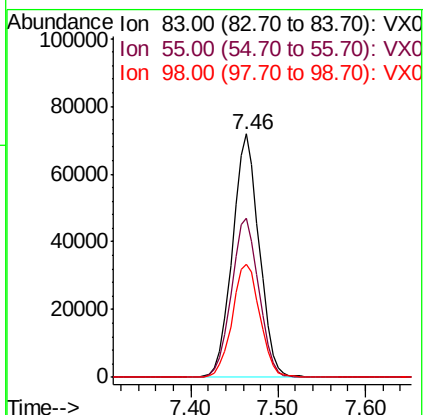
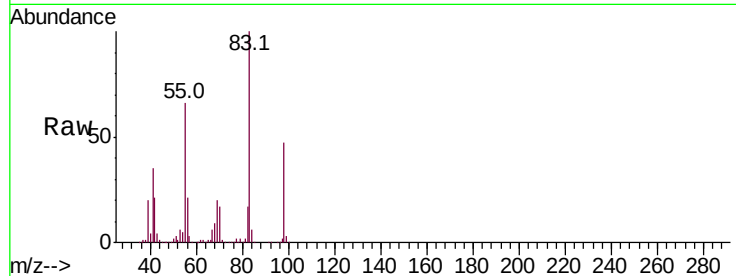
#39
Methylvlcyclohexane
Concen: 42.680 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.5	53.0	79.6
98	46.6	37.8	56.8

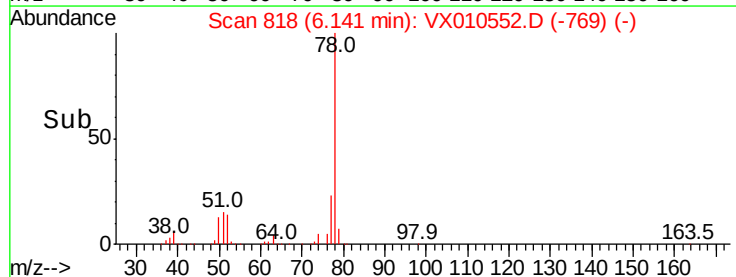
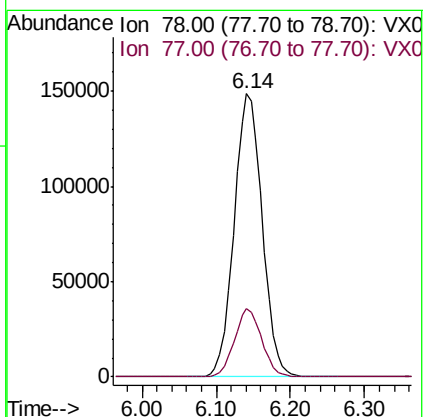
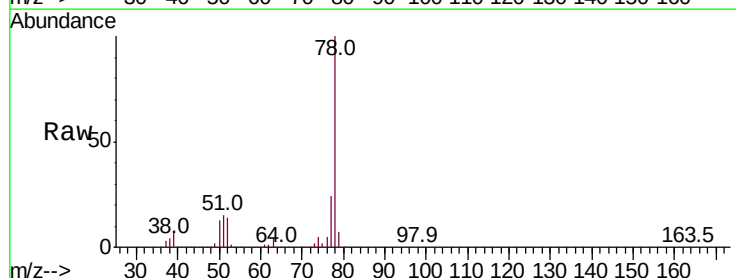
Manual Integrations
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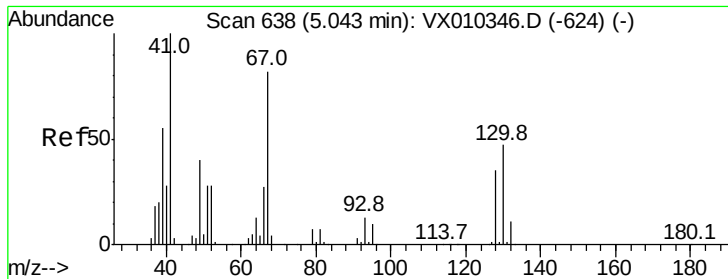
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#40
Benzene
Concen: 46.396 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





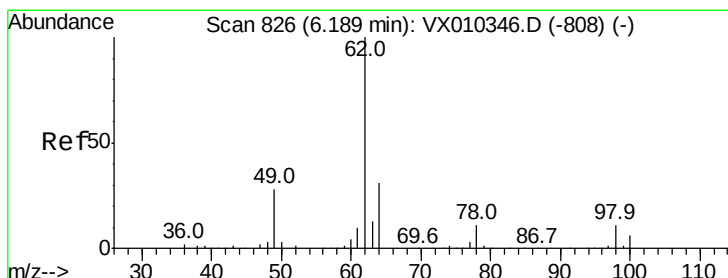
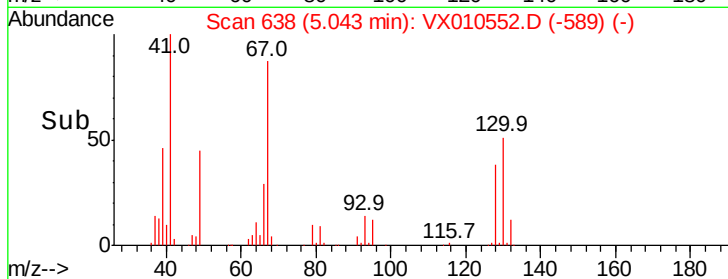
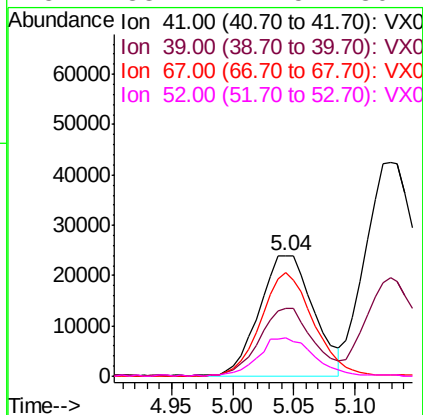
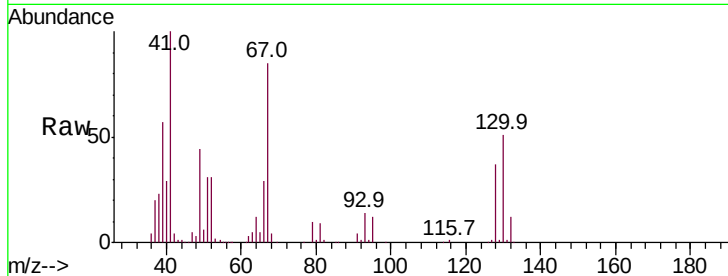
#41
Methacrylonitrile
Concen: 48.365 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	43.8	65.8	
67	83.7	66.6	100.0	
52	33.2	24.5	36.7	

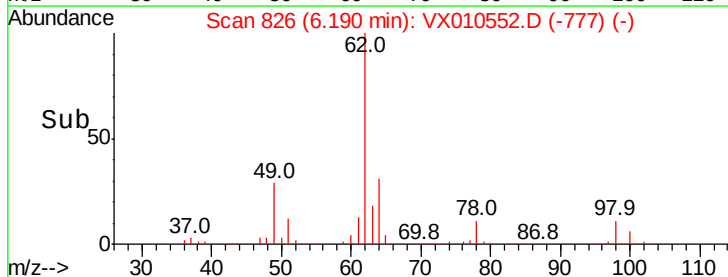
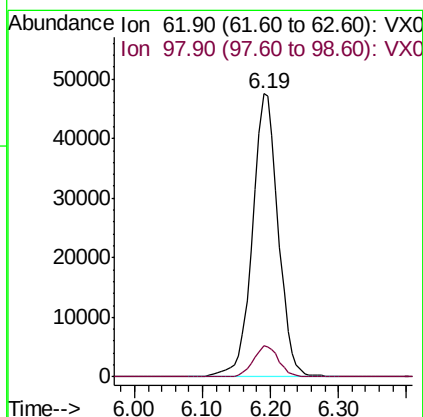
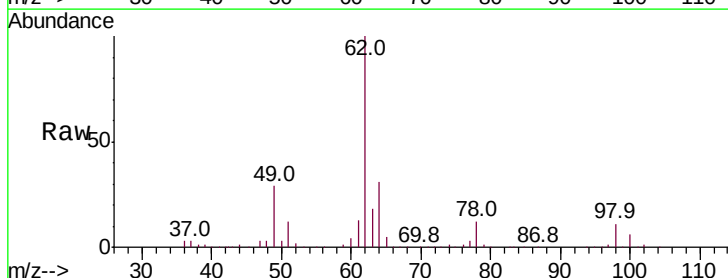
Manual Integrations
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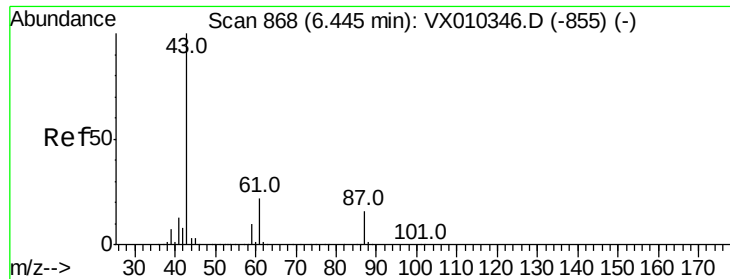
MMDadoda
7/1/2019 10:40:43 AM



#42
1,2-Dichloroethane
Concen: 48.914 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	22.2	





#43

Isopropyl Acetate

Concen: 47.995 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

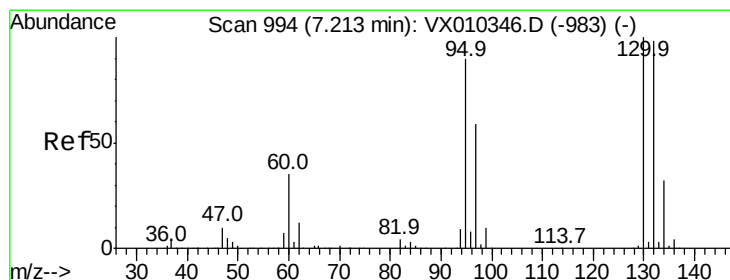
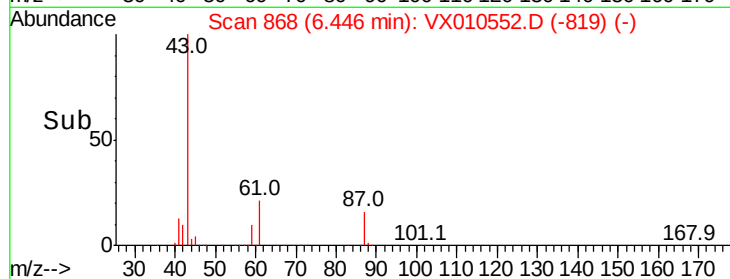
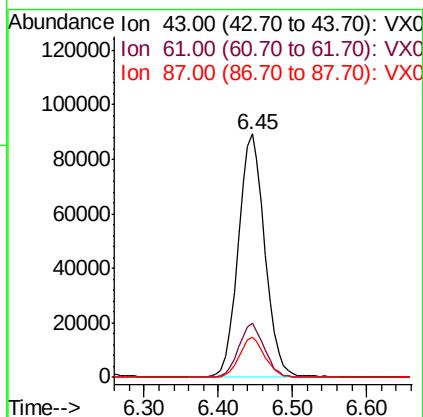
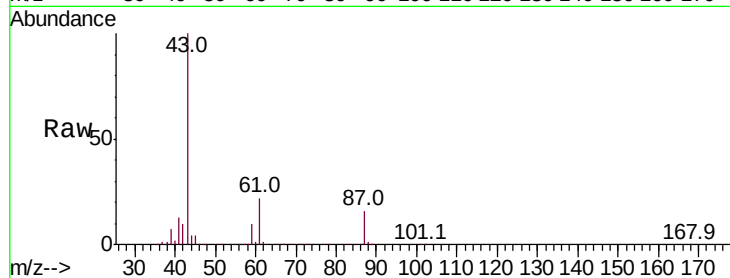
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	221711
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.8	26.6
87	15.8	13.0	19.4

Manual Integrations
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7/1/2019 10:40:43 AM



#44

Trichloroethene

Concen: 45.581 ug/l

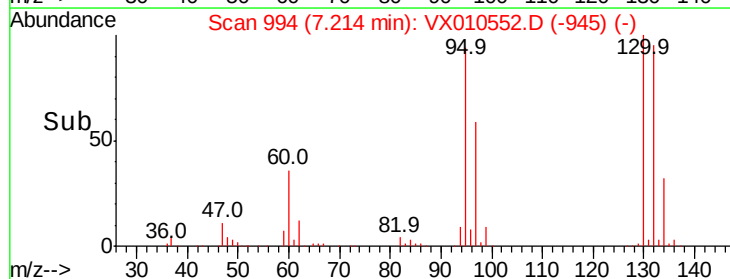
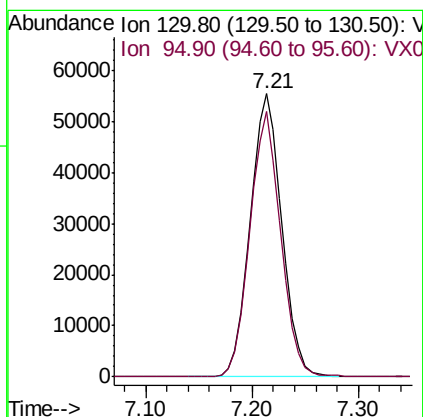
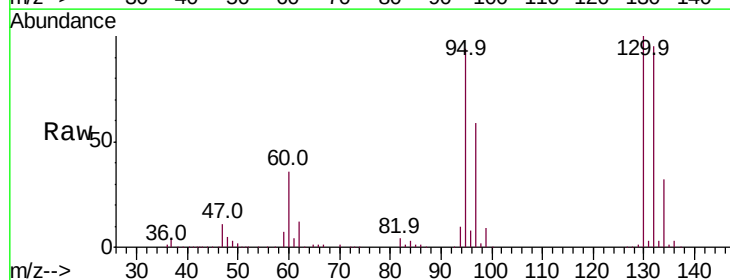
RT: 7.21 min Scan# 994

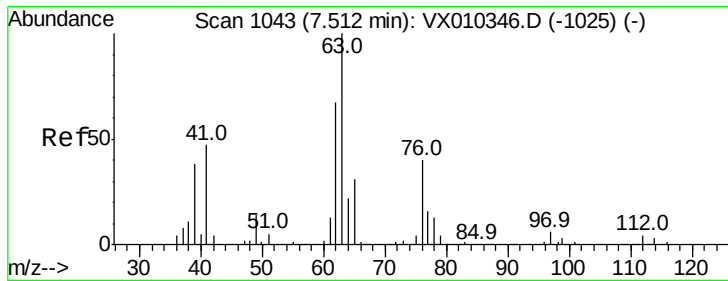
Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Tgt Ion:	130	Resp:	115324
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	180.8





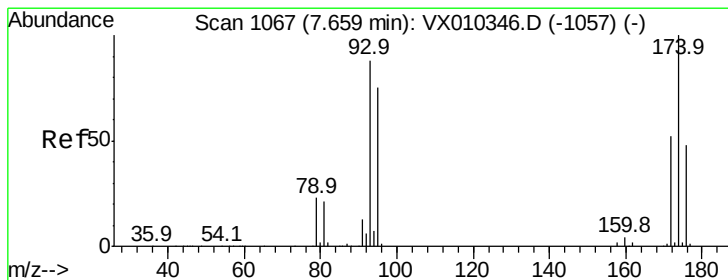
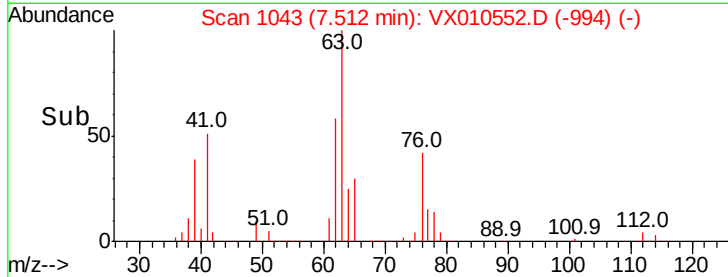
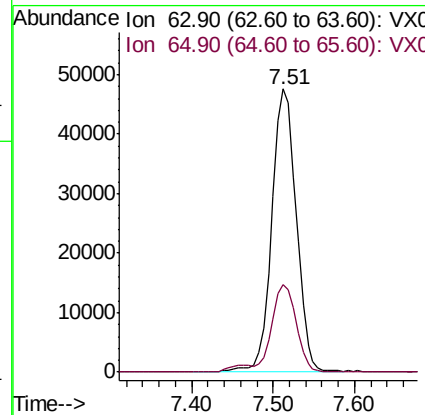
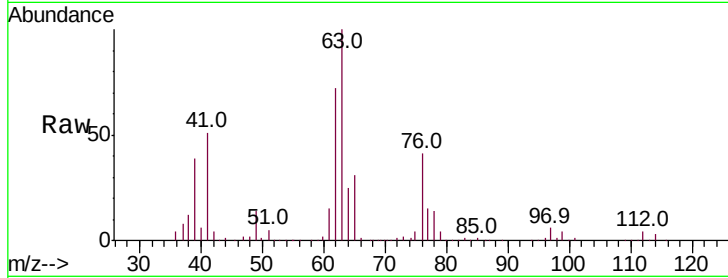
#45
 1,2-Dichloropropane
 Concen: 46.375 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010552.D
 Acq: 28 Jun 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 99022
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2

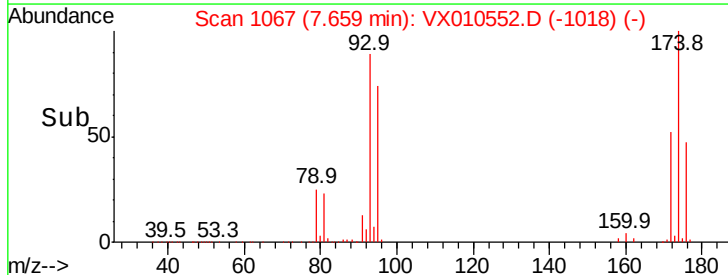
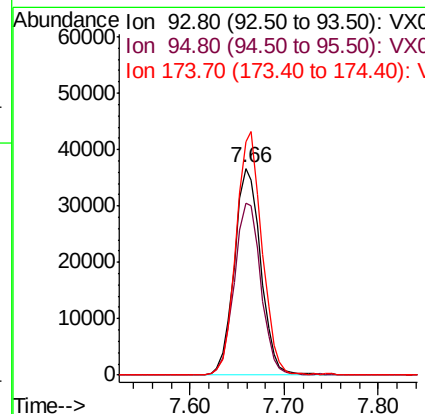
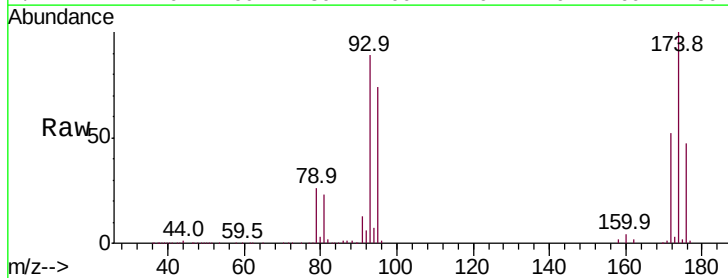
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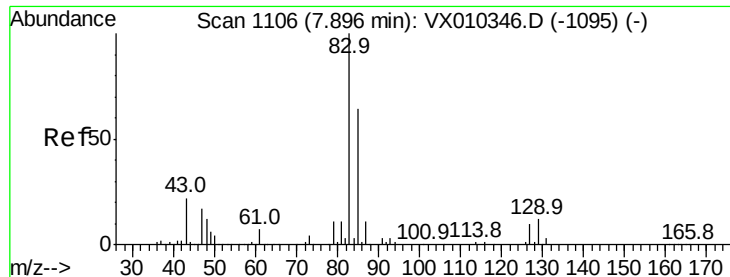
MMDadoda
 7/1/2019 10:40:43 AM



#46
 Dibromomethane
 Concen: 46.833 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010552.D
 Acq: 28 Jun 2019 22:24

Tgt Ion: 93 Resp: 71748
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.5 101.3
 174 114.8 95.8 143.6





#47

Bromodichloromethane

Concen: 46.171 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

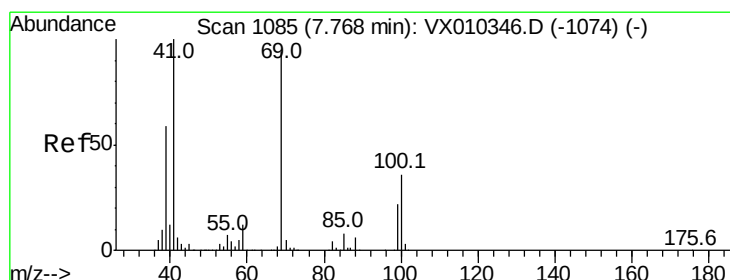
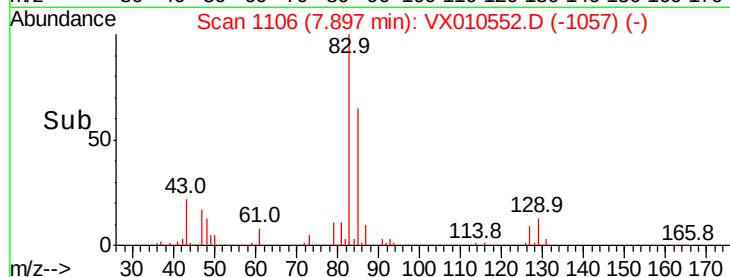
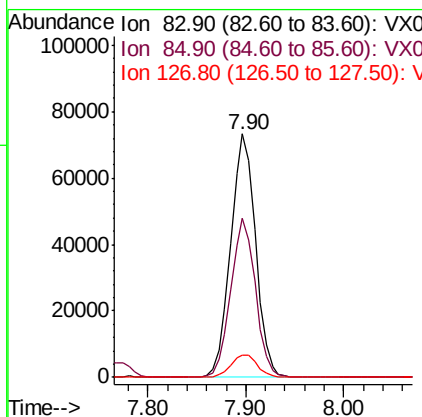
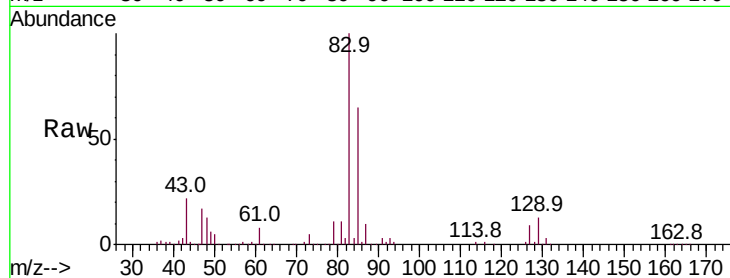
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	129627
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3
127	9.4	7.8	11.8

Manual Integrations
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MMDadoda
7/1/2019 10:40:43 AM



#48

Methyl methacrylate

Concen: 48.969 ug/l

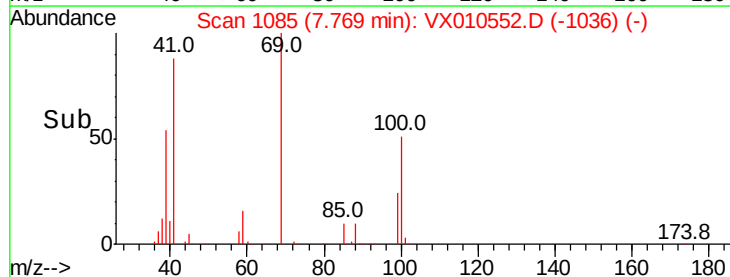
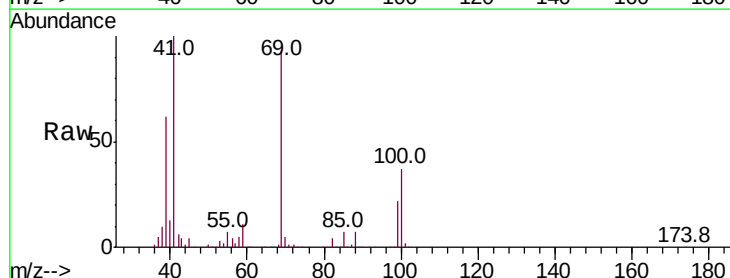
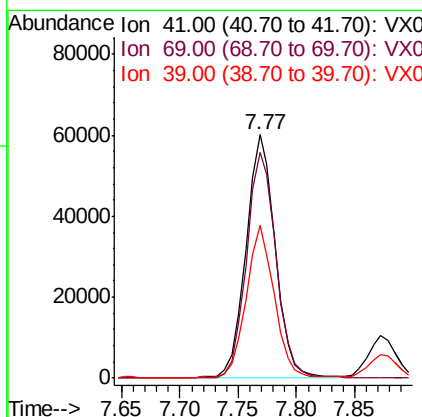
RT: 7.77 min Scan# 1085

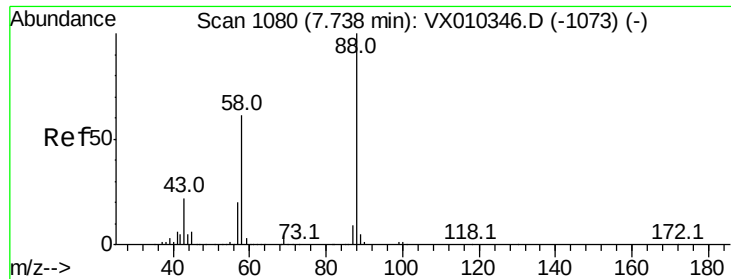
Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Tgt Ion:	41	Resp:	105146
Ion	Ratio	Lower	Upper
41	100		
69	93.9	76.1	114.1
39	60.1	47.6	71.4





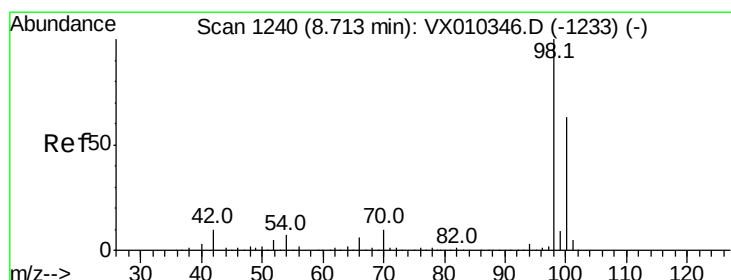
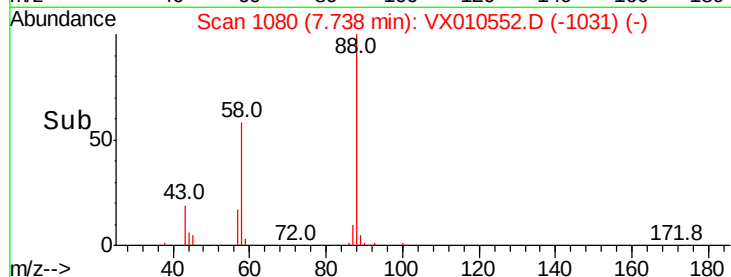
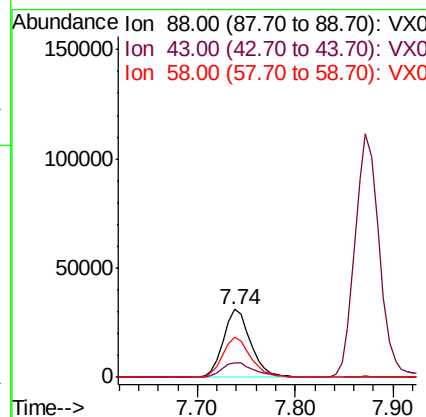
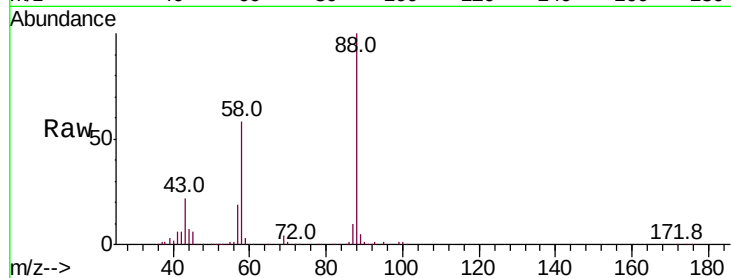
#49
1,4-Dioxane
Concen: 984.434 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.3	20.2	30.2
58	60.3	49.5	74.3

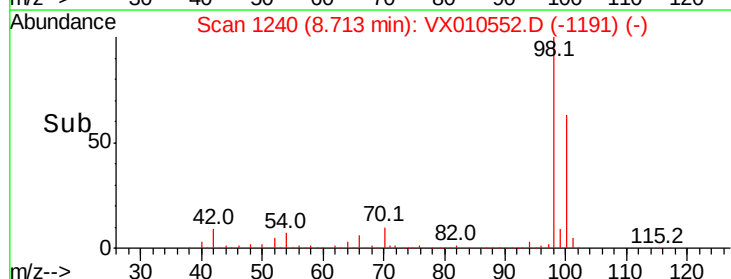
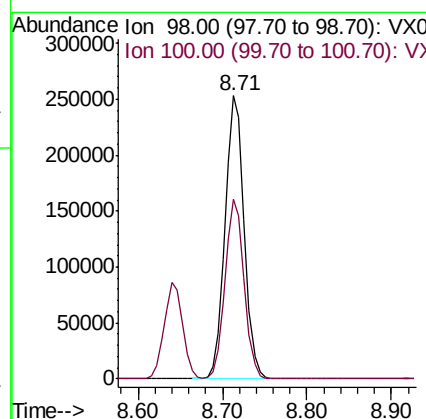
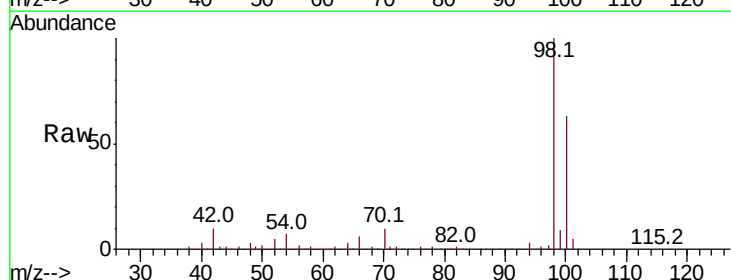
Manual Integrations
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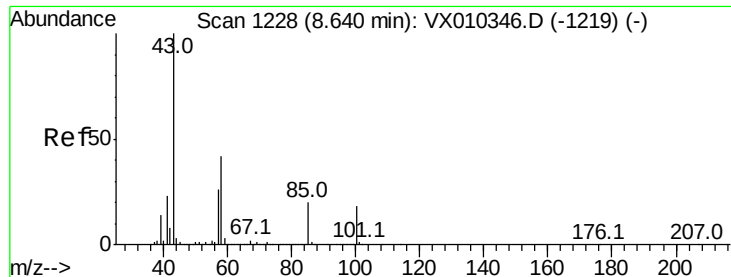
MMDadoda
7/1/2019 10:40:43 AM



#50
Toluene-d8
Concen: 49.167 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.6	77.4





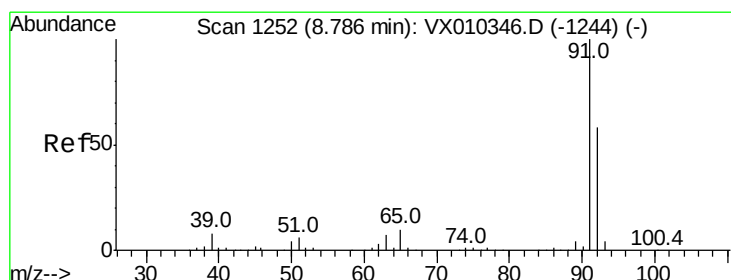
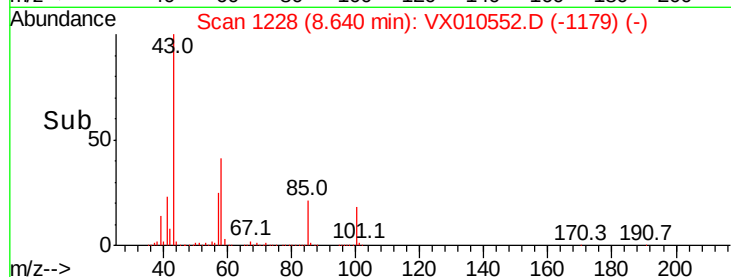
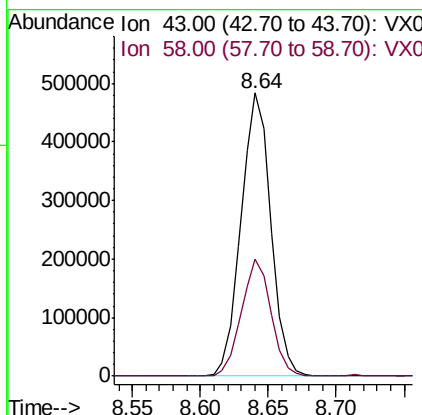
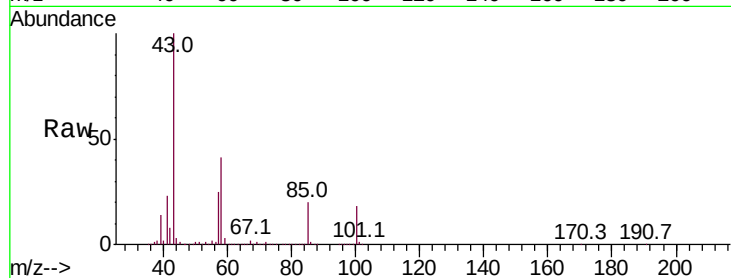
#51
4-Methyl-2-Pentanone
Concen: 250.450 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	33.5	50.3

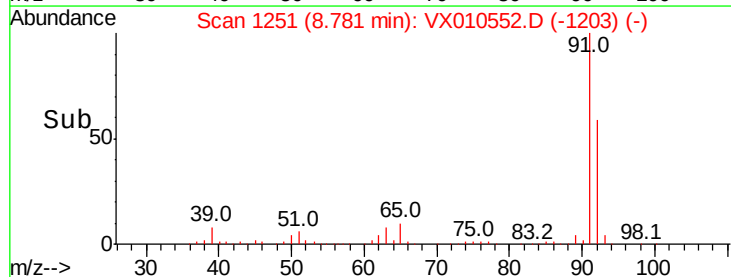
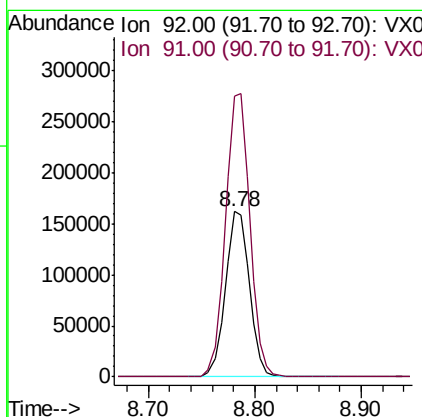
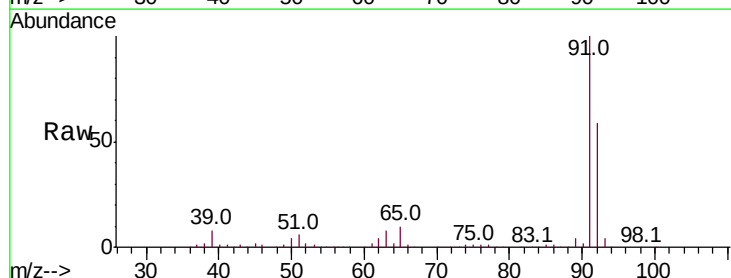
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APPROVED

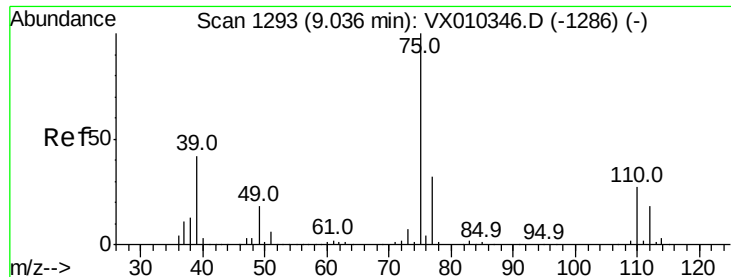
MMDadoda
7/1/2019 10:40:43 AM



#52
Toluene
Concen: 45.795 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.7	139.8	209.6





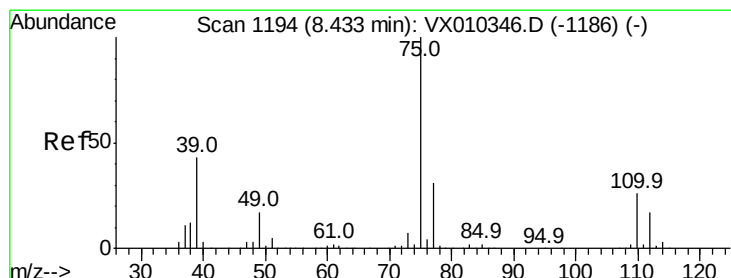
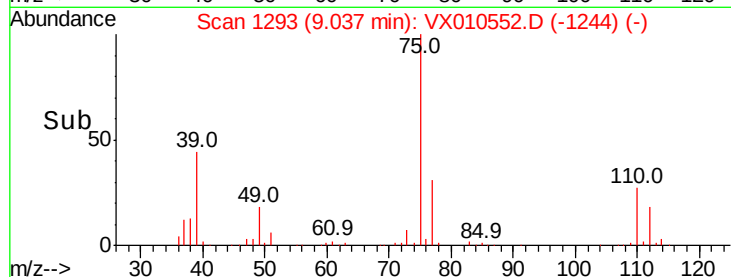
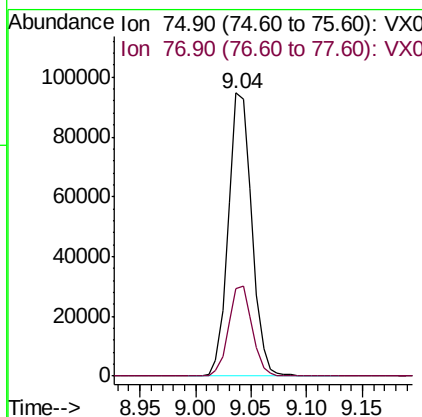
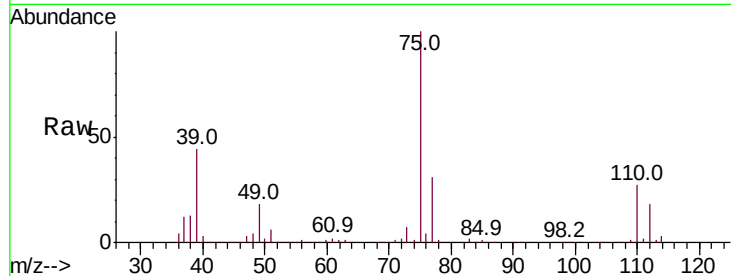
#53
t-1,3-Dichloropropene
Concen: 43.976 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 138423
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

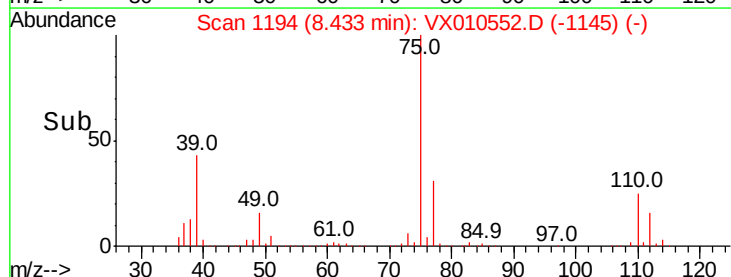
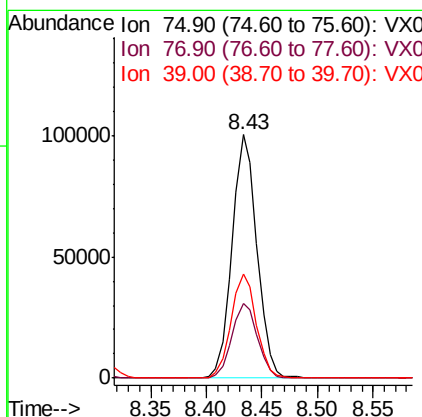
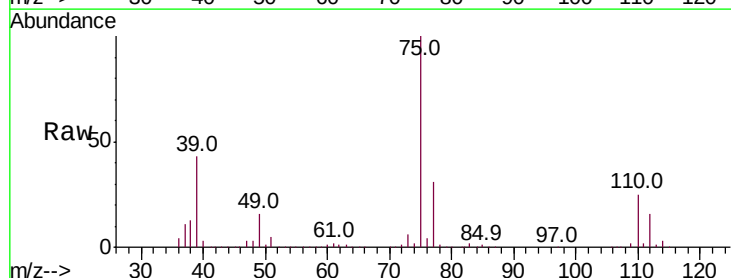
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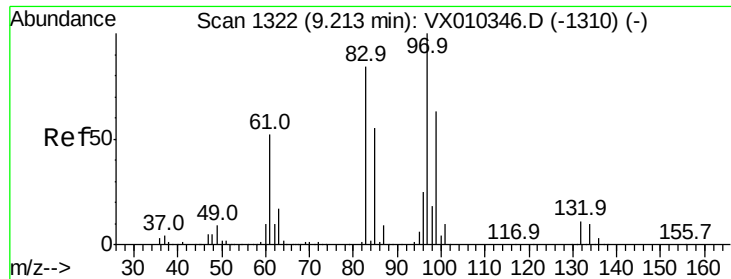
MMDadoda
7/1/2019 10:40:43 AM



#54
cis-1,3-Dichloropropene
Concen: 45.330 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion: 75 Resp: 155058
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8
39 42.8 34.5 51.7





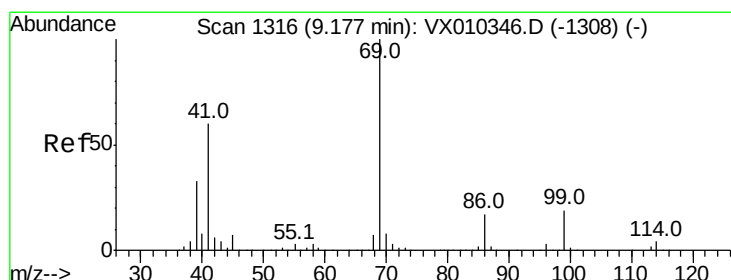
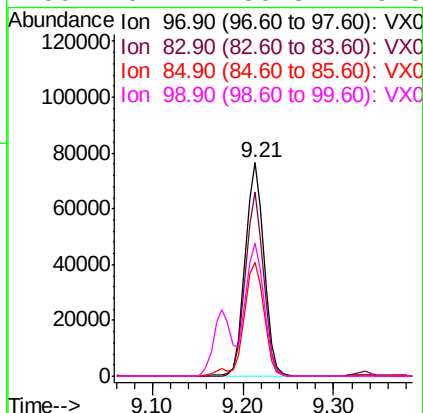
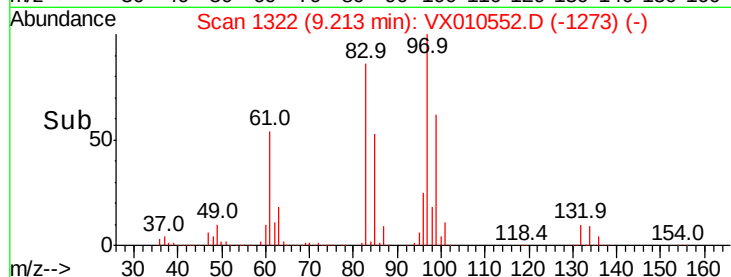
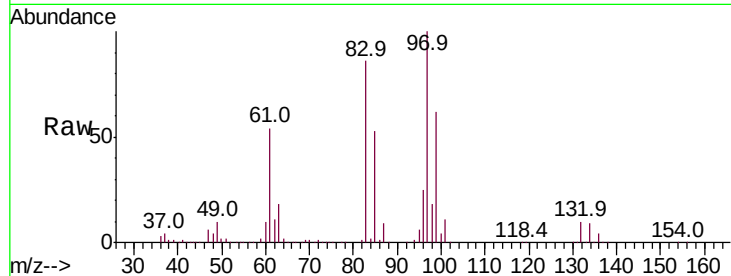
#55
1,1,2-Trichloroethane
Concen: 48.285 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.4	101.0
85	53.3	43.8	65.8
99	62.1	50.3	75.5

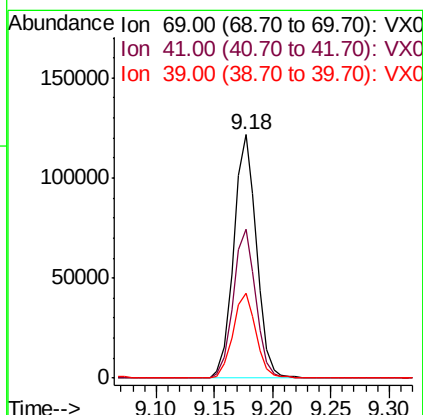
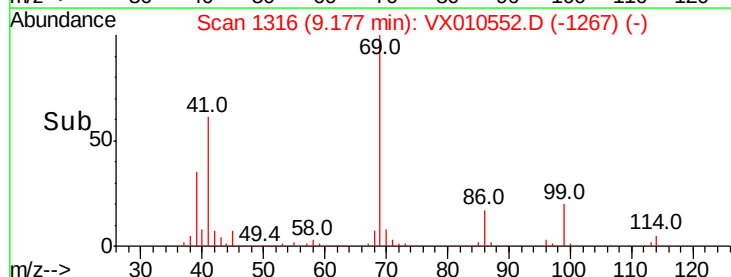
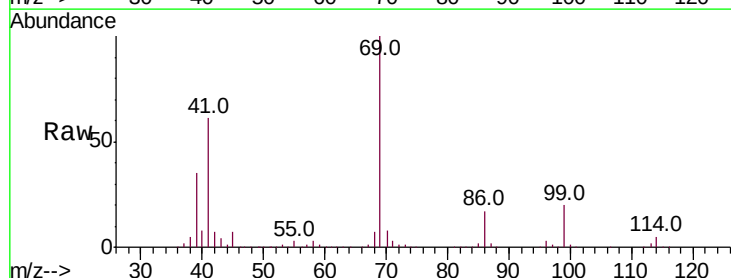
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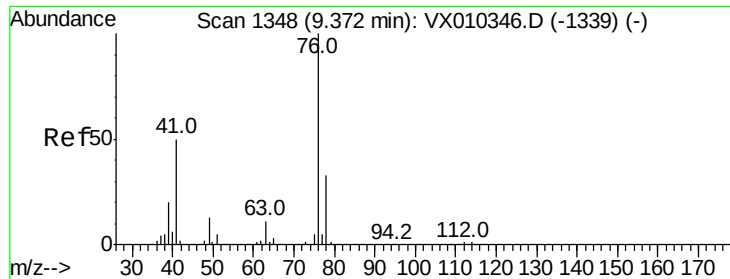
MMDadoda
7/1/2019 10:40:43 AM



#56
Ethyl methacrylate
Concen: 47.670 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.3	47.1	70.7
39	35.2	26.6	40.0





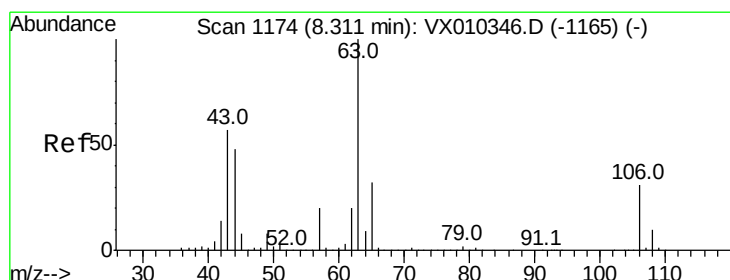
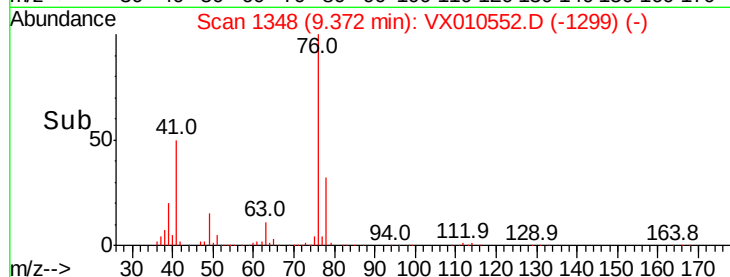
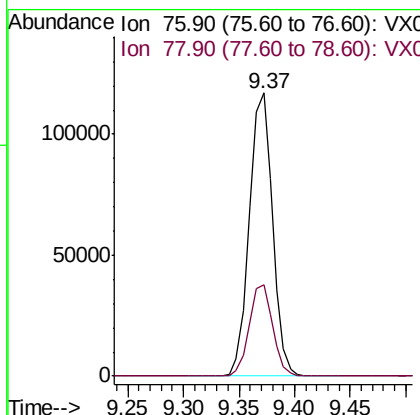
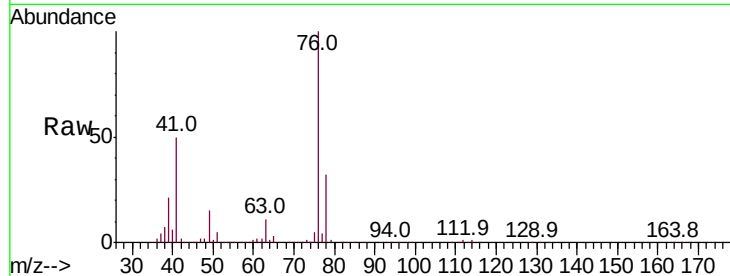
#57
 1,3-Dichloropropane
 Concen: 47.764 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010552.D
 Acq: 28 Jun 2019 22:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 170269
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.1 39.1

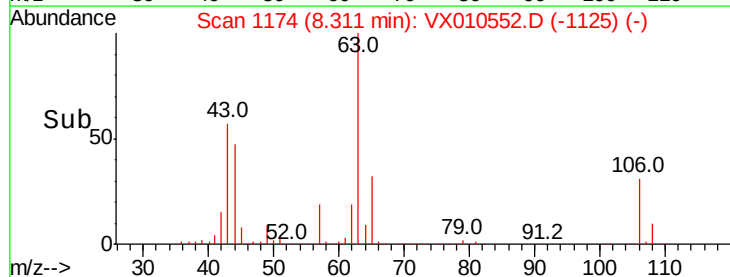
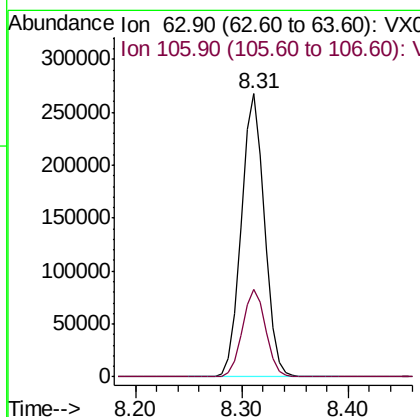
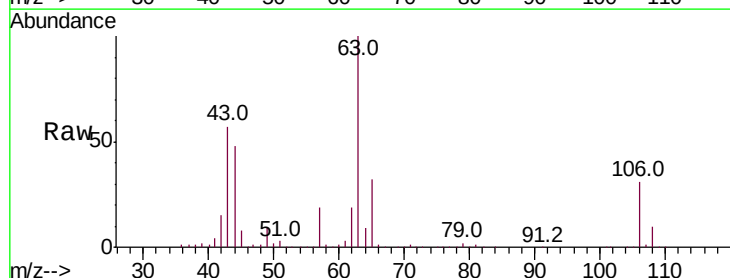
Manual Integrations
 APPROVED

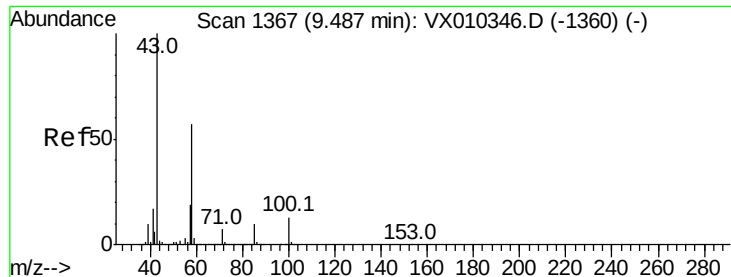
MMDadoda
 7/1/2019 10:40:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.197 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010552.D
 Acq: 28 Jun 2019 22:24

Tgt Ion: 63 Resp: 410069
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.7 37.1





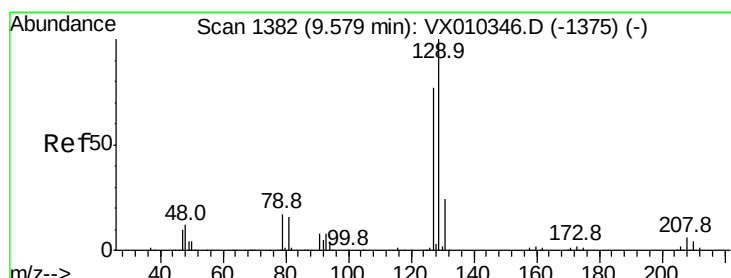
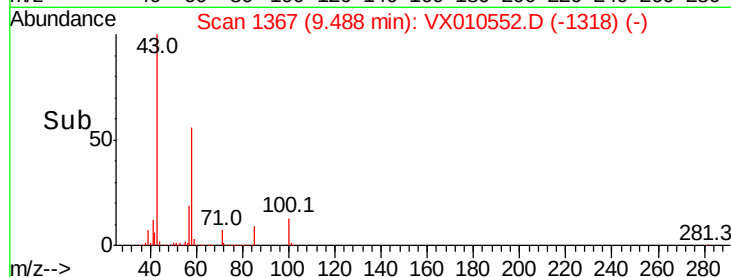
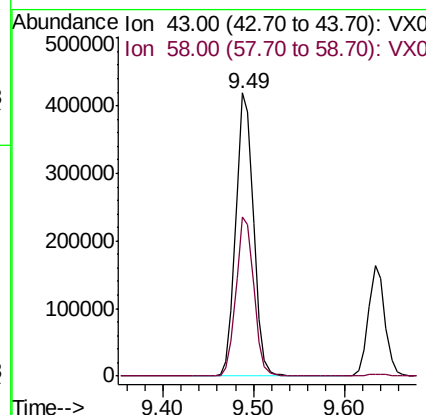
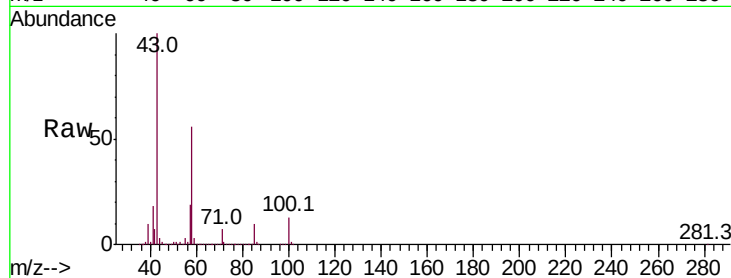
#59
2-Hexanone
Concen: 244.476 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 568465
Ion Ratio Lower Upper
43 100
58 56.4 29.0 87.1

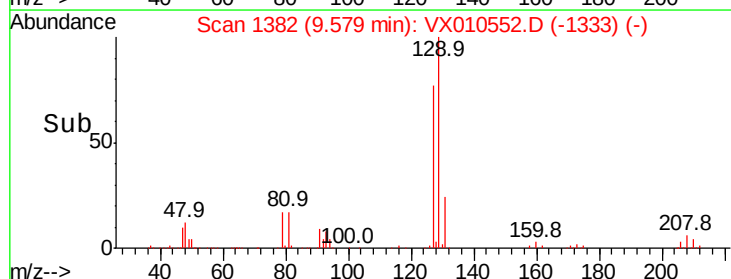
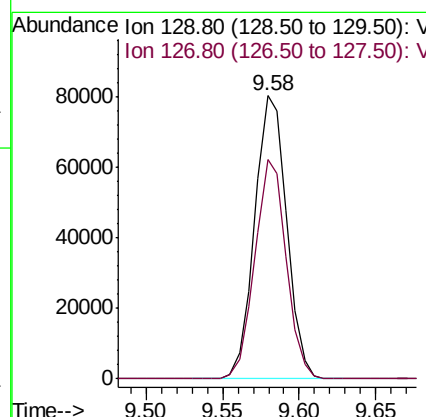
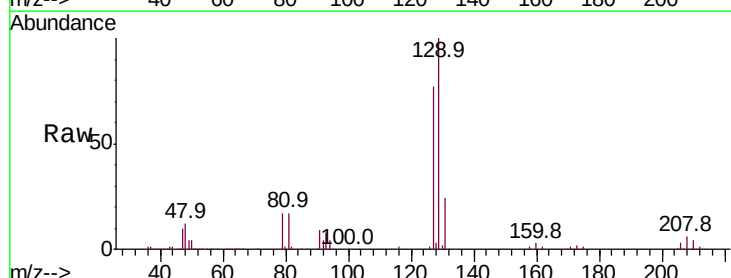
Manual Integrations
APPROVED

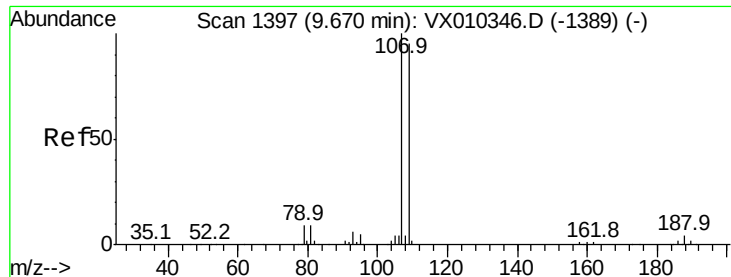
MMDadoda
7/1/2019 10:40:43 AM



#60
Dibromochloromethane
Concen: 45.684 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion: 129 Resp: 117466
Ion Ratio Lower Upper
129 100
127 75.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 47.066 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 116665

Ion Ratio Lower Upper

107 100

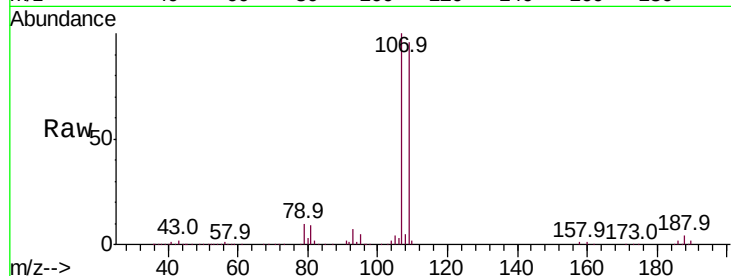
109 96.0 75.8 113.6

Manual Integrations

APPROVED

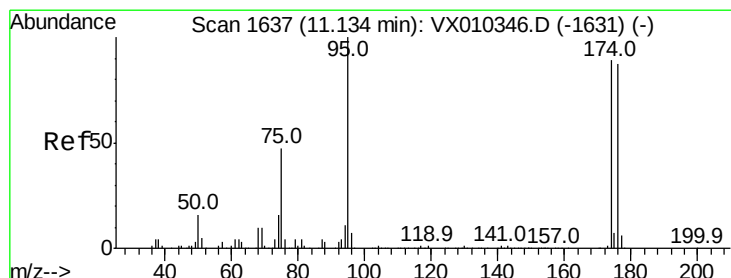
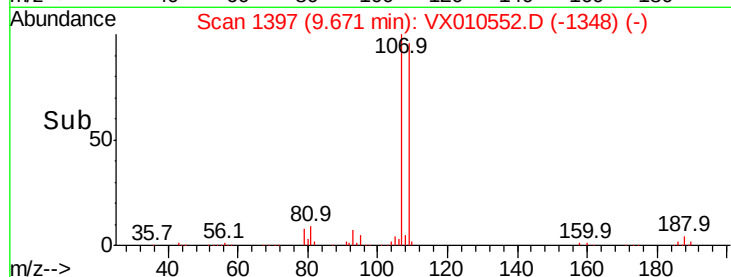
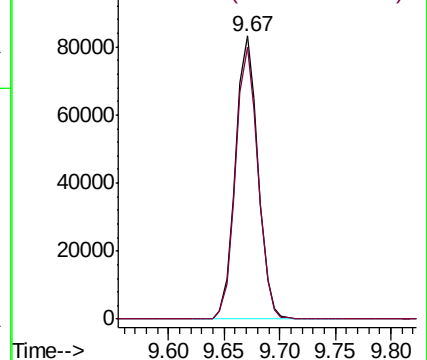
MMDadoda

7/1/2019 10:40:43 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.188 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

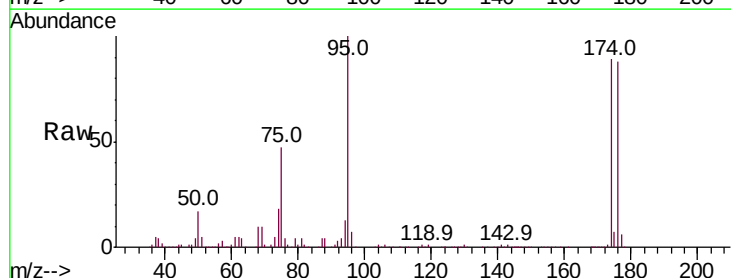
Tgt Ion: 95 Resp: 141970

Ion Ratio Lower Upper

95 100

174 93.4 0.0 187.6

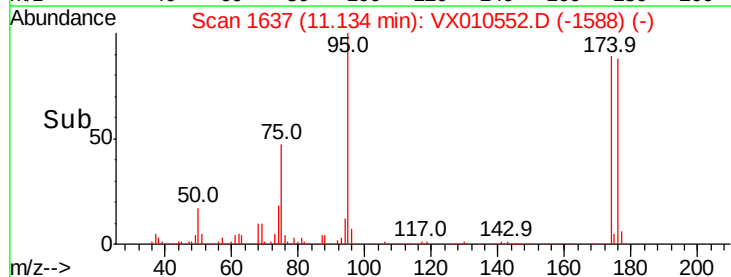
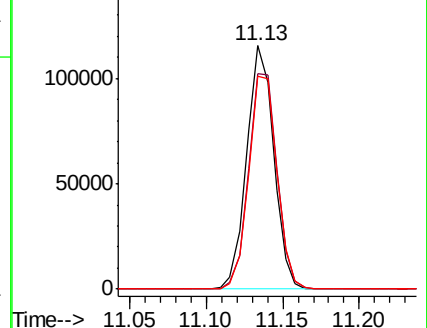
176 91.6 0.0 184.0

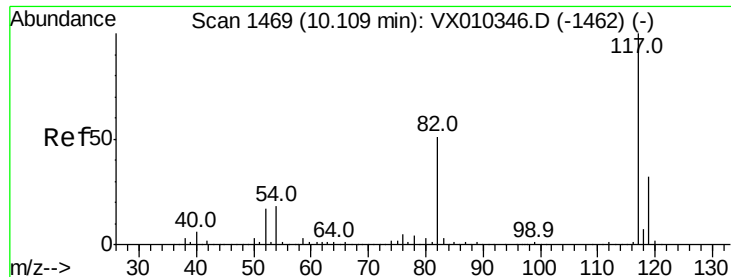


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





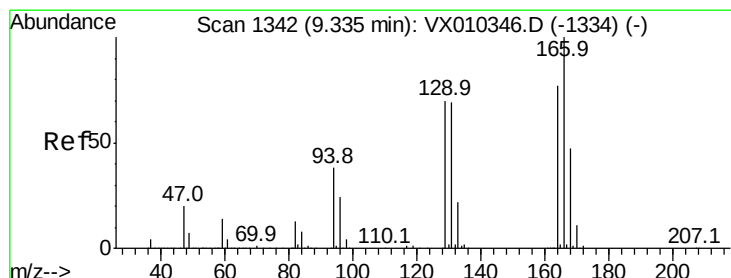
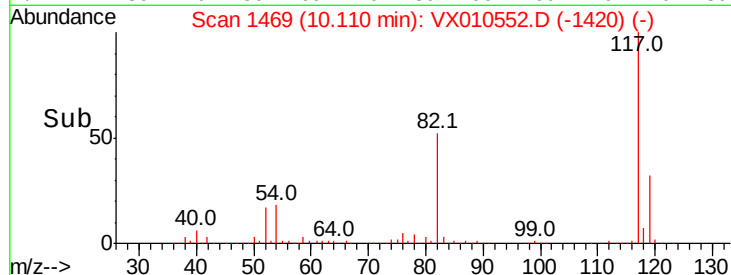
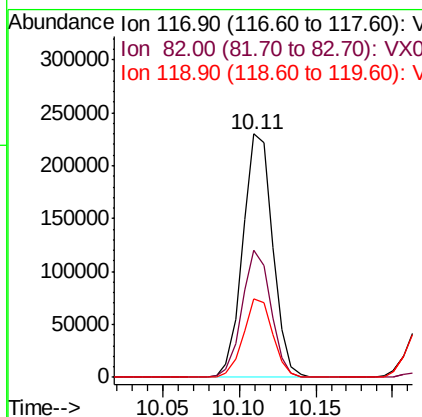
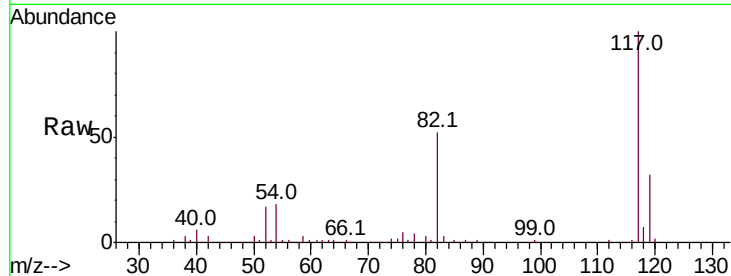
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	311916		
82	52.4		41.2	61.8
119	32.3		25.5	38.3

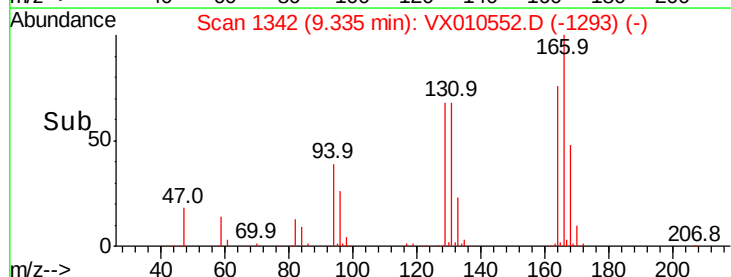
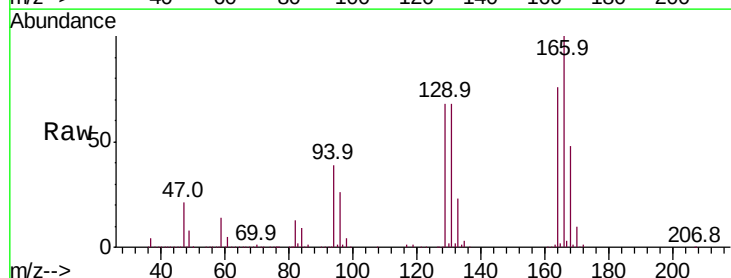
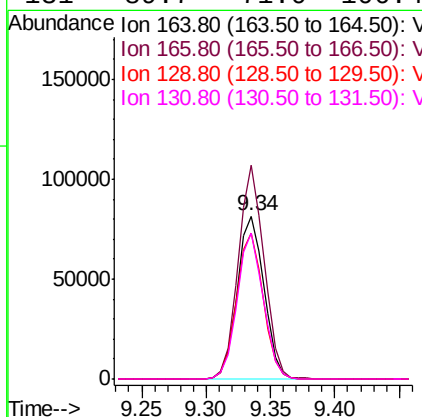
Manual Integrations
APPROVED

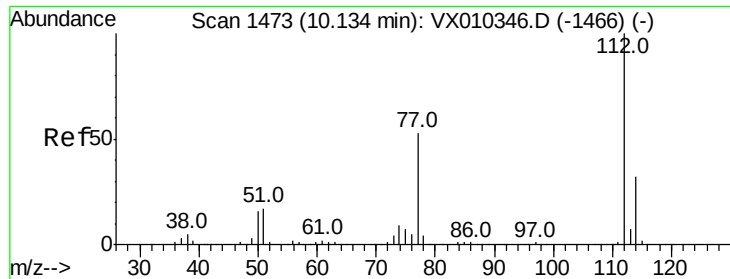
MMDadoda
7/1/2019 10:40:43 AM



#64
Tetrachloroethene
Concen: 46.668 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117737		
166	130.9		103.6	155.4
129	89.5		73.0	109.4
131	89.7		71.0	106.4





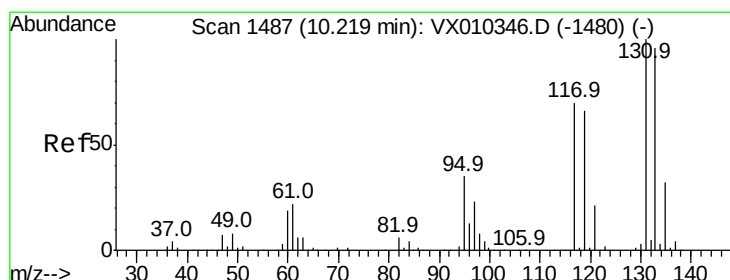
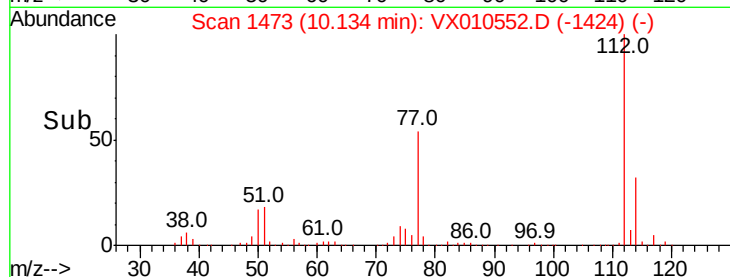
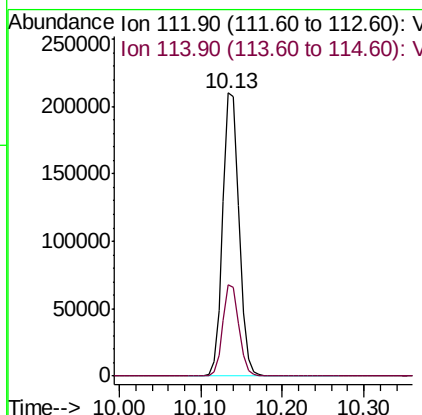
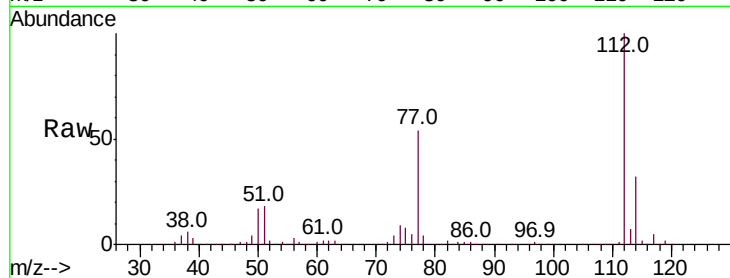
#65
Chlorobenzene
Concen: 46.289 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 293125
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2

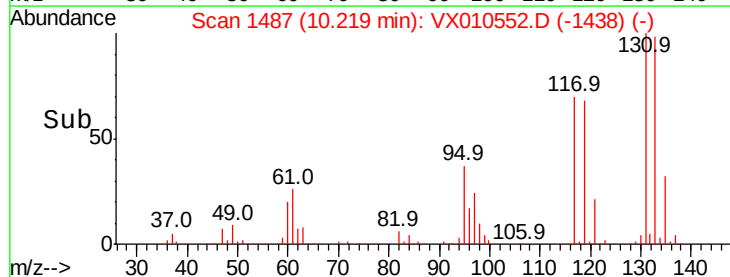
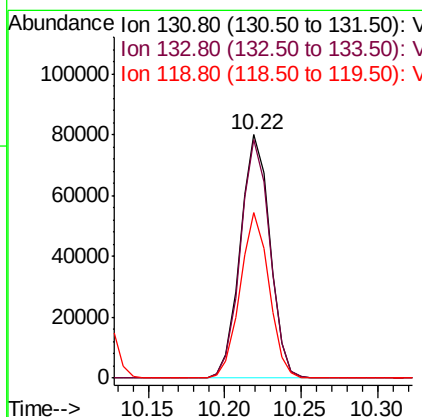
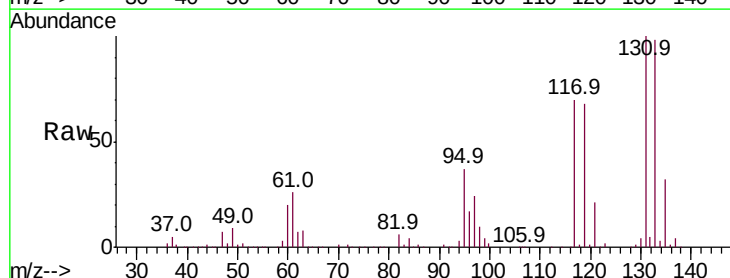
Manual Integrations
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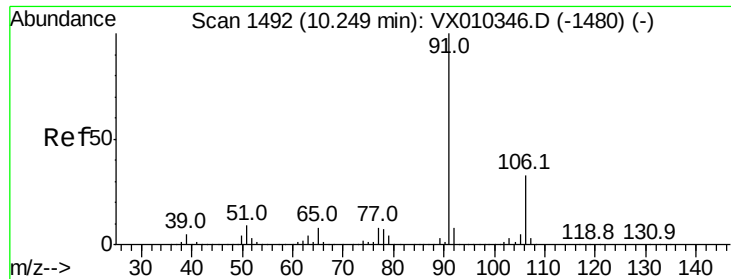
MMDadoda
7/1/2019 10:40:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.609 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion:131 Resp: 107509
Ion Ratio Lower Upper
131 100
133 97.2 47.7 143.1
119 66.3 32.6 97.7





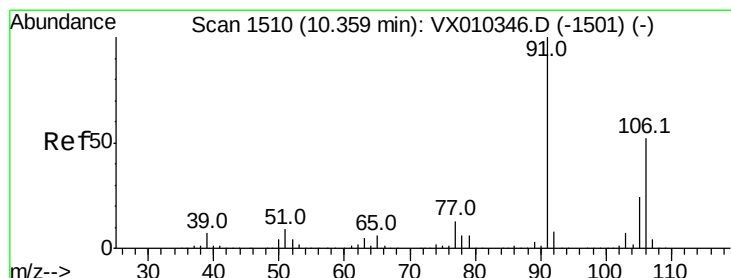
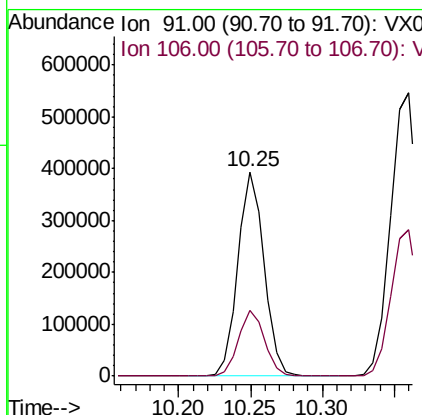
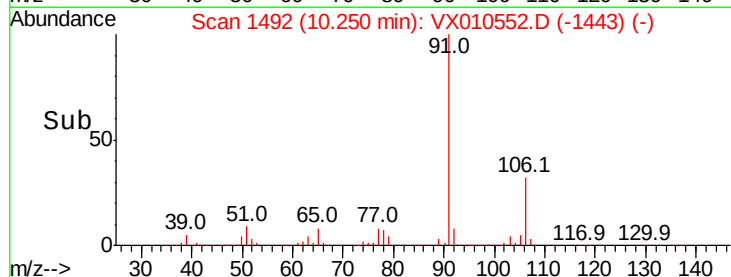
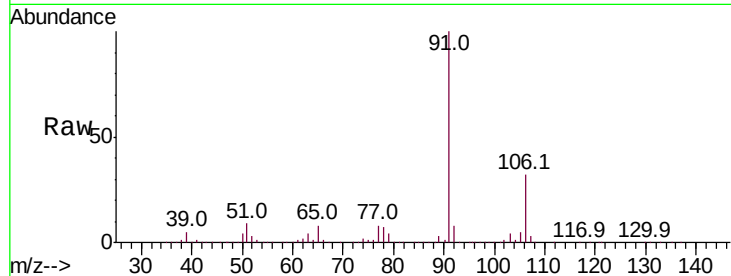
#67
Ethyl Benzene
Concen: 46.590 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 498072
Ion Ratio Lower Upper
91 100
106 32.4 26.2 39.2

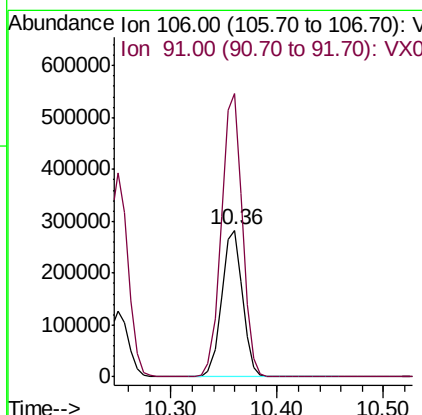
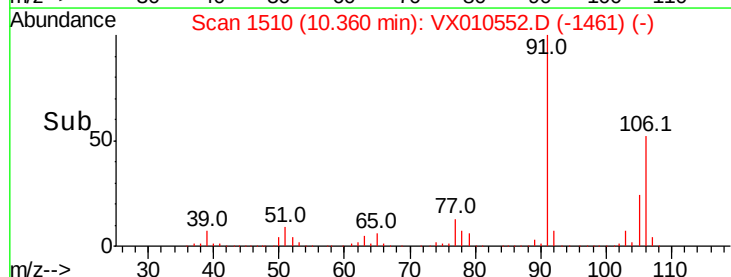
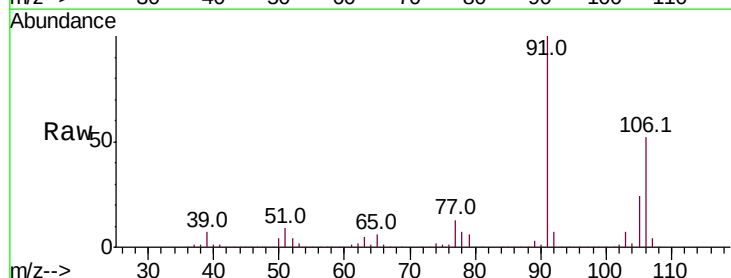
Manual Integrations
APPROVED

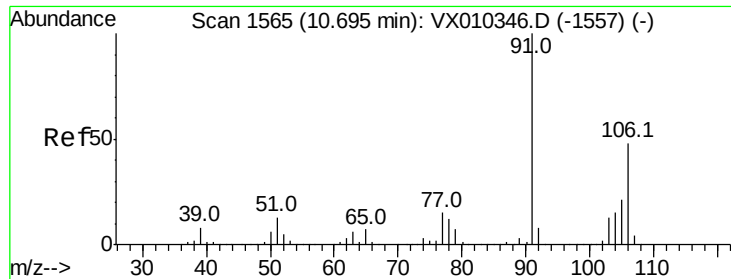
MMDadoda
7/1/2019 10:40:43 AM



#68
m/p-Xylenes
Concen: 93.199 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion: 106 Resp: 386063
Ion Ratio Lower Upper
106 100
91 194.4 155.3 232.9





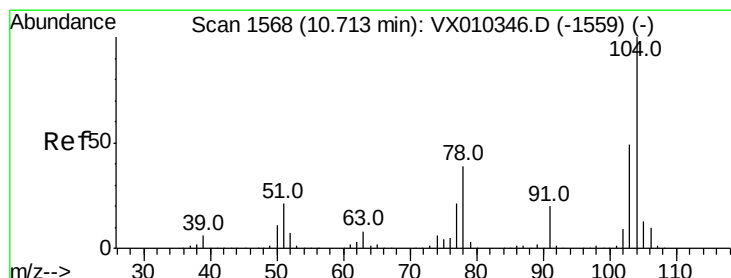
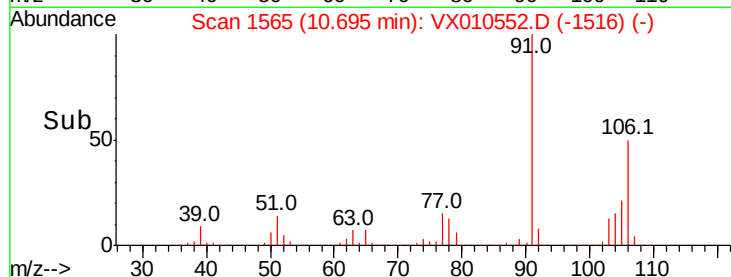
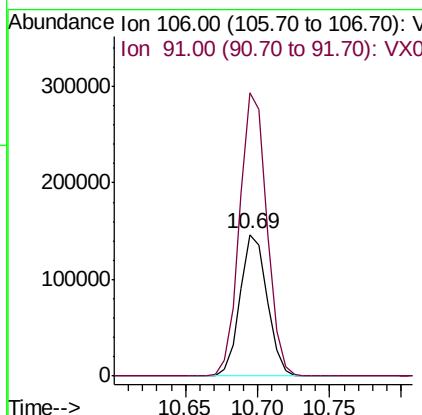
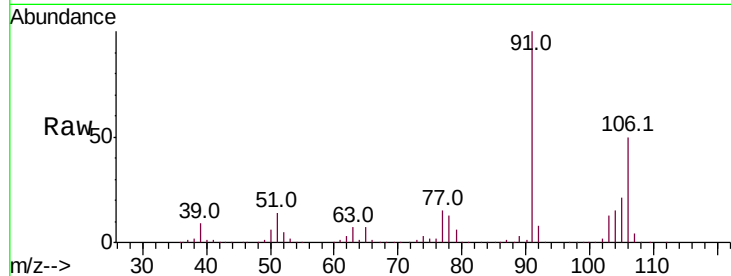
#69
o-Xylene
Concen: 46.956 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 191283
Ion Ratio Lower Upper
106 100
91 201.4 102.7 308.1

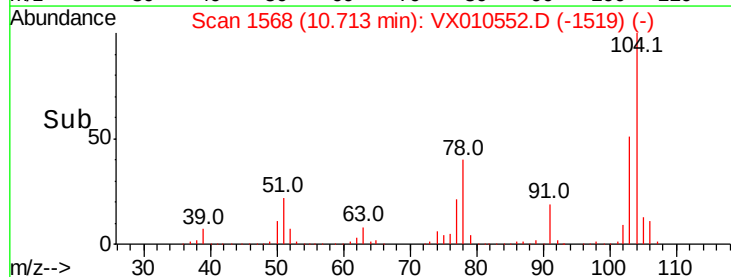
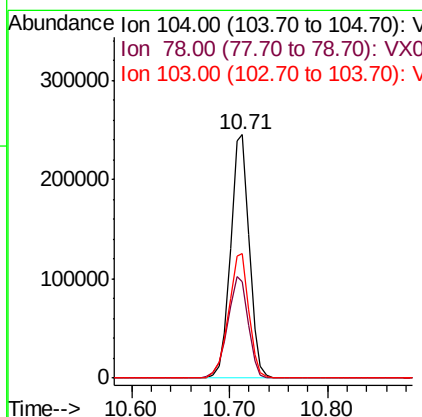
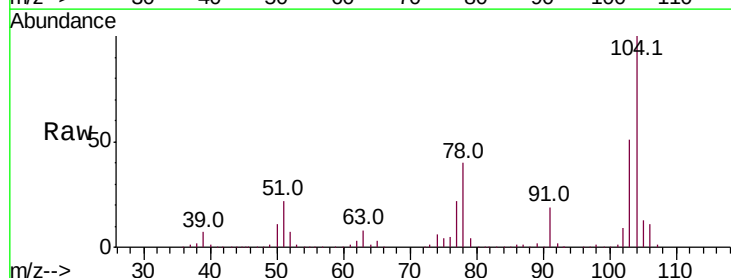
Manual Integrations
APPROVED

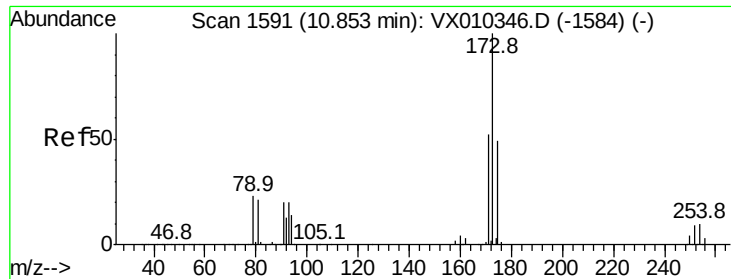
MMDadoda
7/1/2019 10:40:43 AM



#70
Styrene
Concen: 47.614 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion:104 Resp: 325280
Ion Ratio Lower Upper
104 100
78 46.0 36.2 54.2
103 55.2 44.2 66.4





#71

Bromoform

Concen: 44.360 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 88981

Ion Ratio Lower Upper

173 100

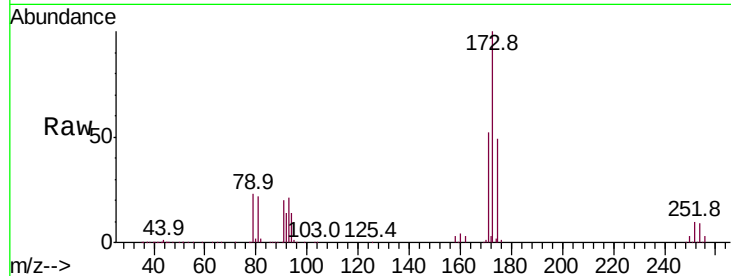
175 49.0 24.1 72.3

254 0.1 0.2 0.2#

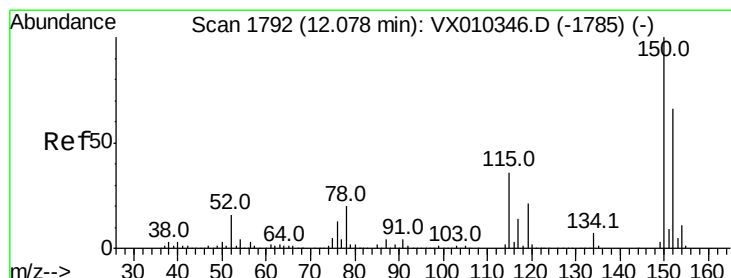
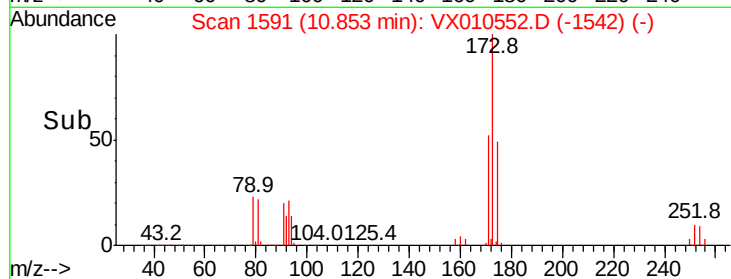
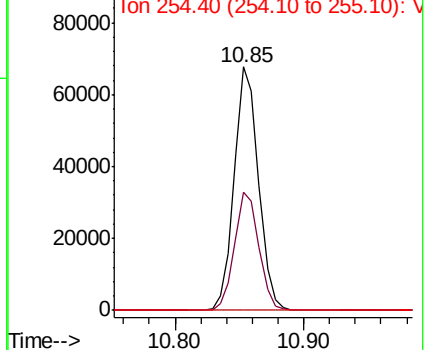
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

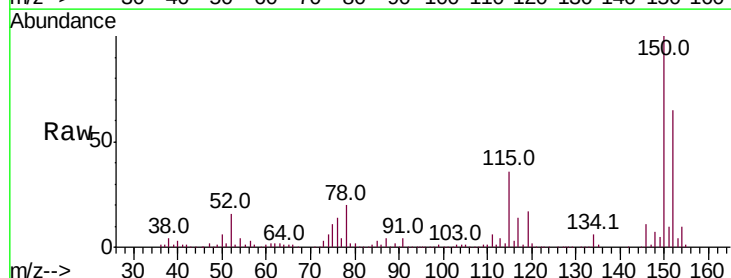
Tgt Ion:152 Resp: 159706

Ion Ratio Lower Upper

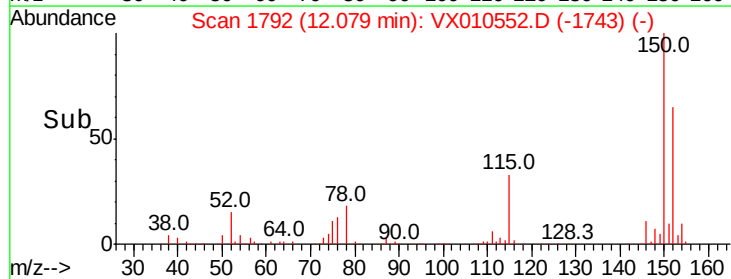
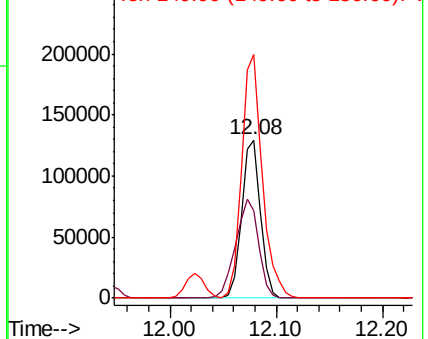
152 100

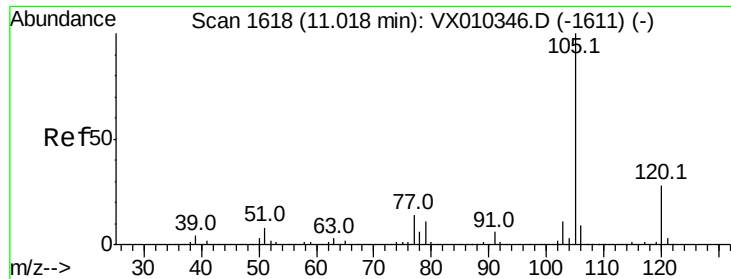
115 76.6 38.6 115.7

150 169.8 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





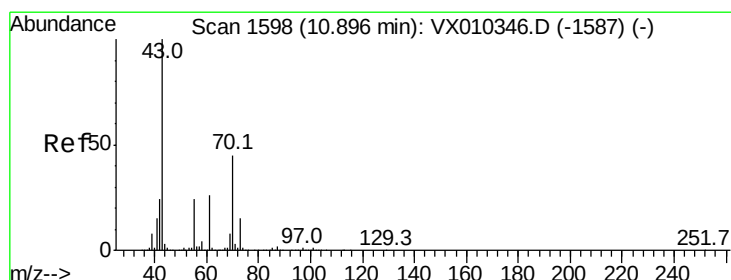
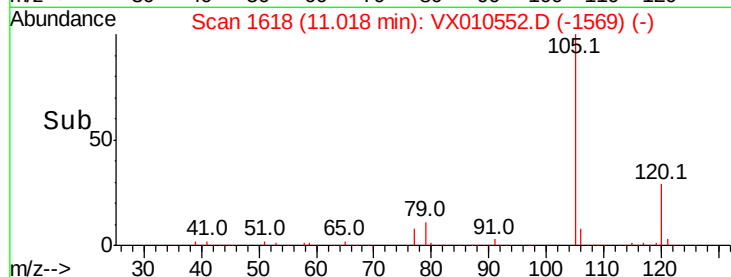
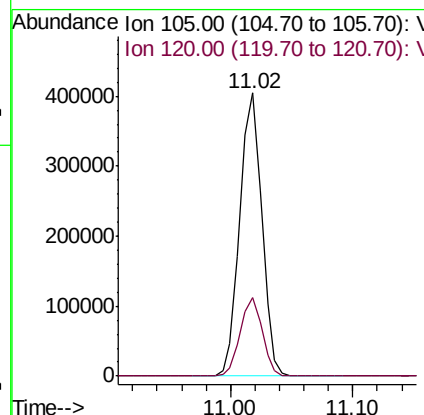
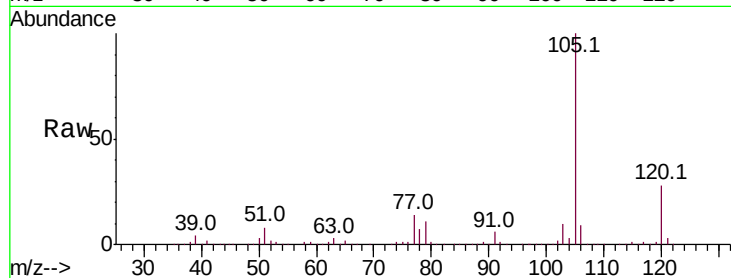
#73
Isopropylbenzene
Concen: 46.475 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	14.1	42.4

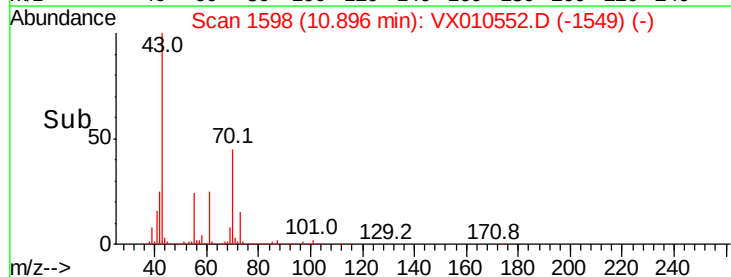
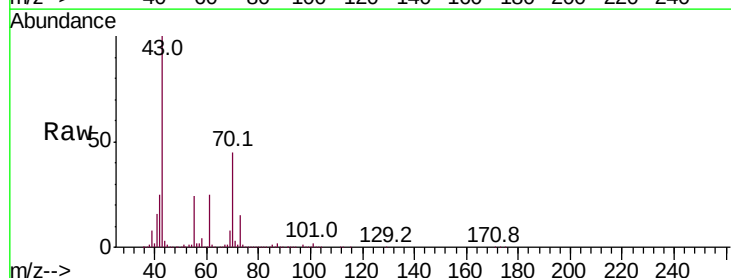
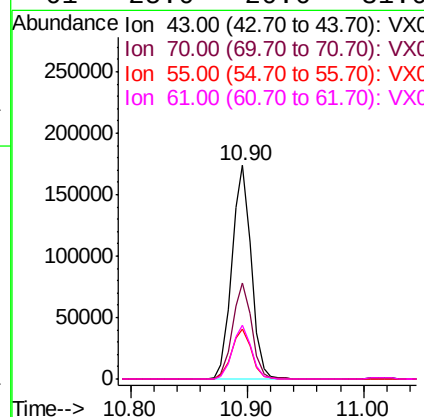
Manual Integrations
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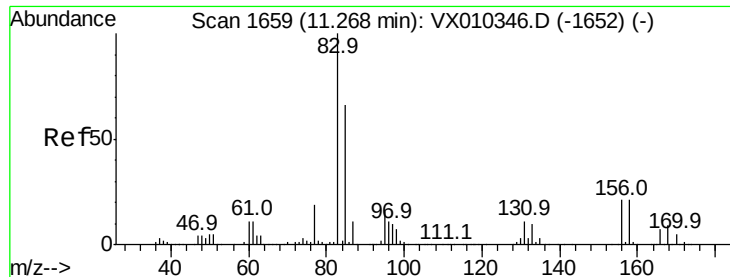
MMDadoda
7/1/2019 10:40:43 AM



#74
N-ethyl acetate
Concen: 48.823 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.8	36.6	54.8
55	24.1	18.7	28.1
61	25.0	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.157 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 169072
Ion Ratio Lower Upper

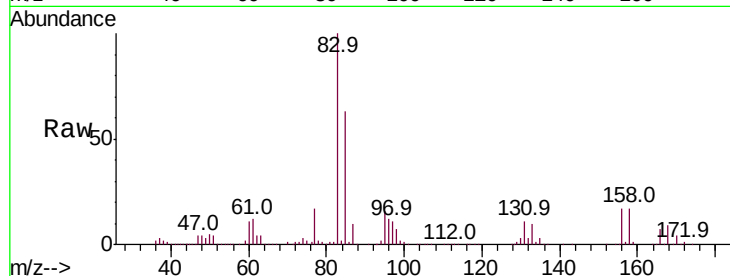
83 100

131 10.7 5.5 16.4

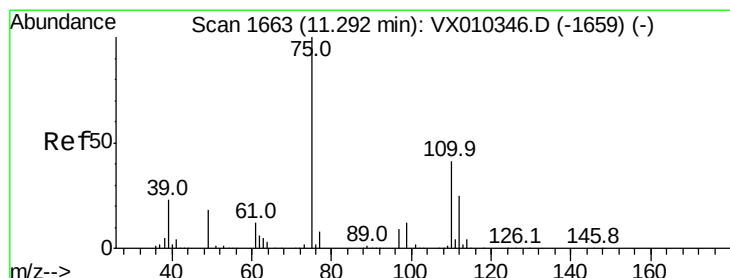
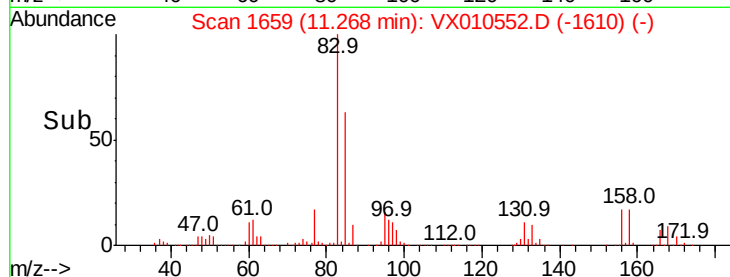
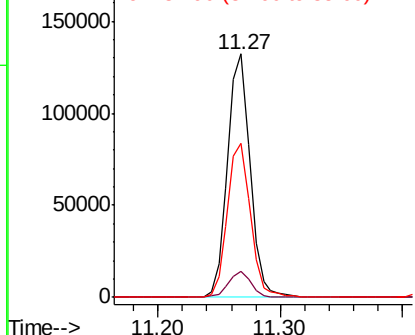
85 65.0 32.3 96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.925 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

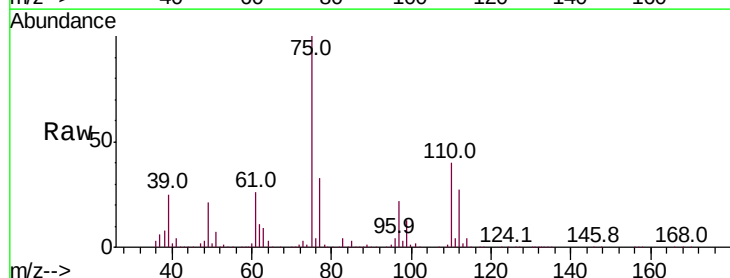
Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

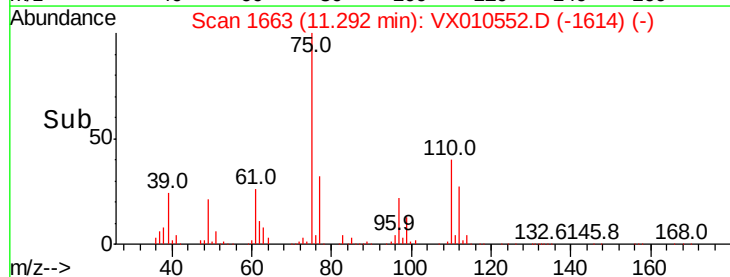
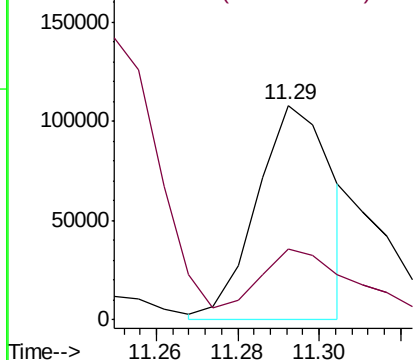
Tgt Ion: 75 Resp: 139474
Ion Ratio Lower Upper

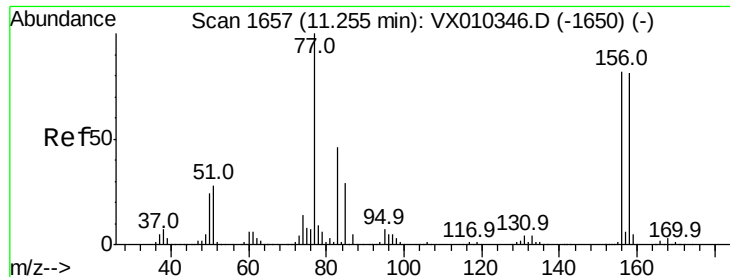
75 100

77 43.1 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.699 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

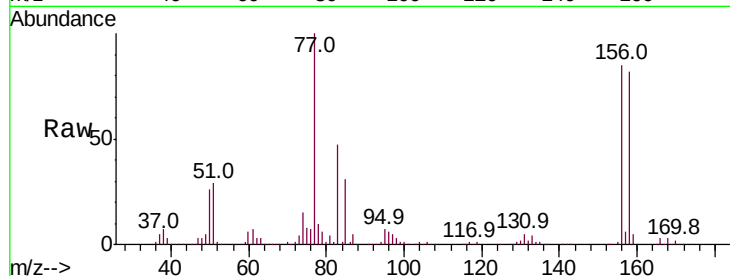
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	138147
Ion Ratio	Lower	Upper	
156	100		
77	132.1	66.3	198.7
158	97.7	48.9	146.7

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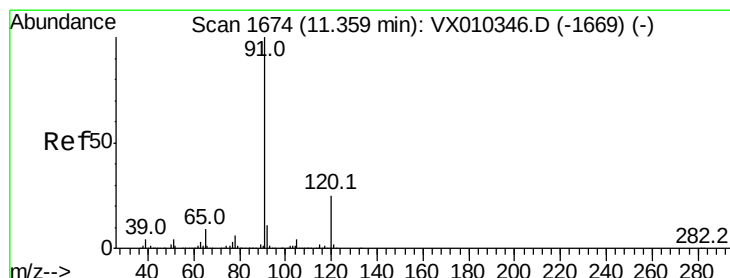
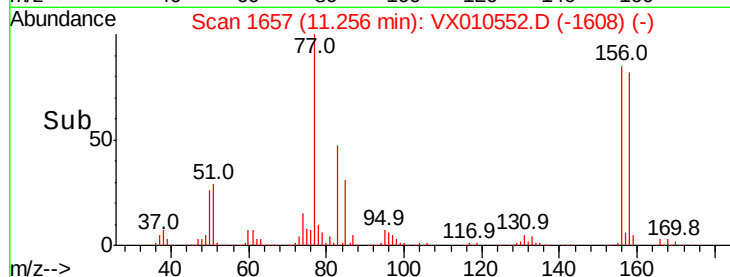
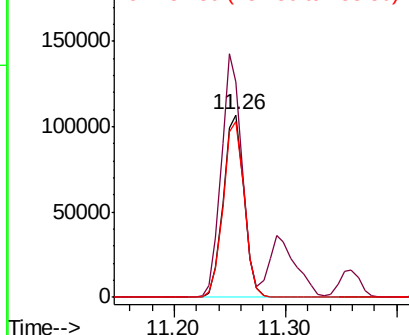
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.066 ug/l

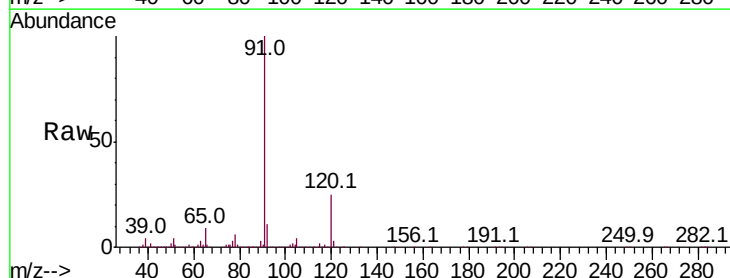
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010552.D

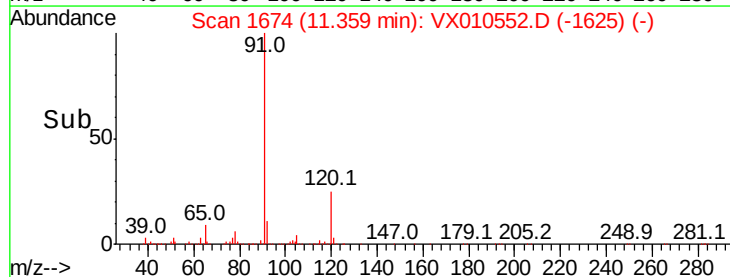
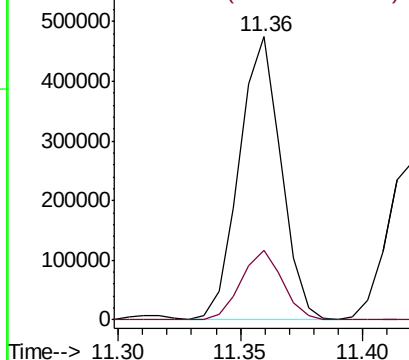
Acq: 28 Jun 2019 22:24

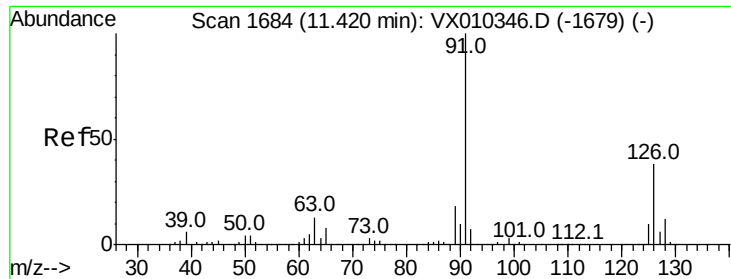
Tgt Ion:	91	Resp:	560006
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.4	37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.614 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 330269

Ion Ratio Lower Upper

91 100

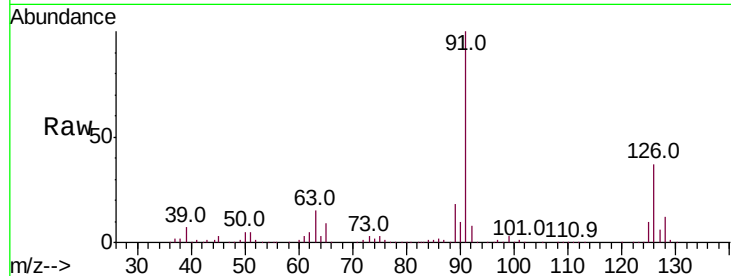
126 37.2 18.7 56.1

Manual Integrations

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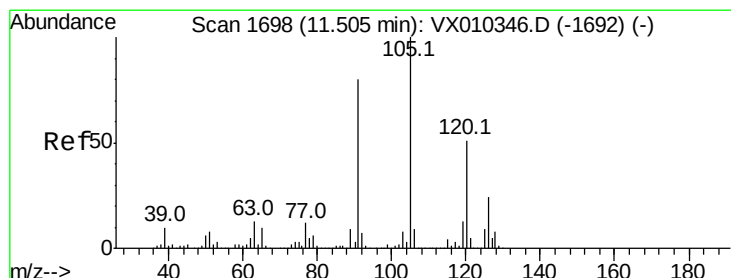
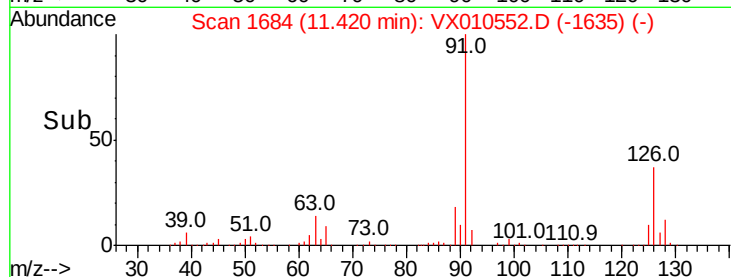
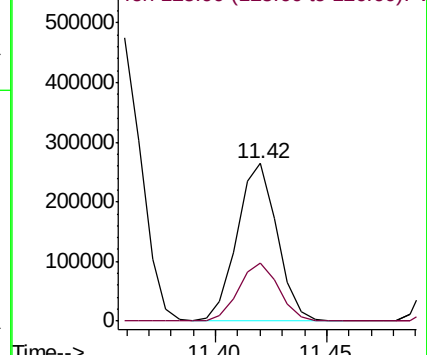
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.889 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010552.D

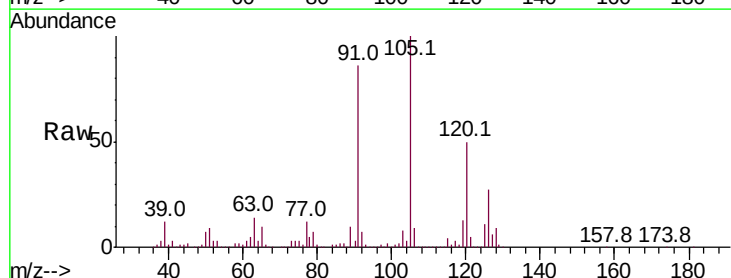
Acq: 28 Jun 2019 22:24

Tgt Ion: 105 Resp: 418473

Ion Ratio Lower Upper

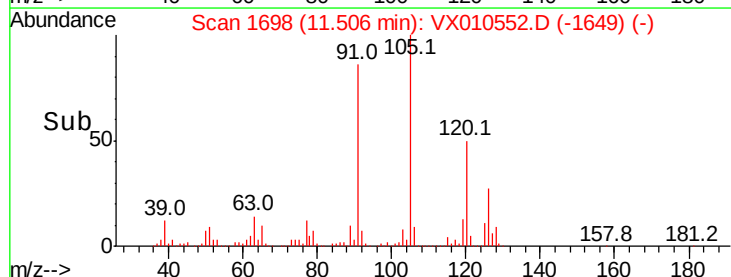
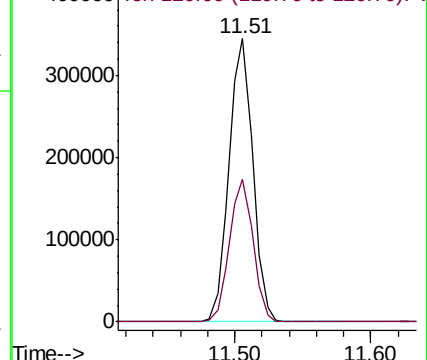
105 100

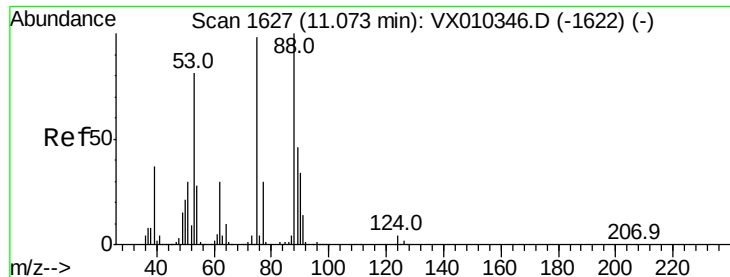
120 50.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 39.535 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 49320

Ion Ratio Lower Upper

75 100

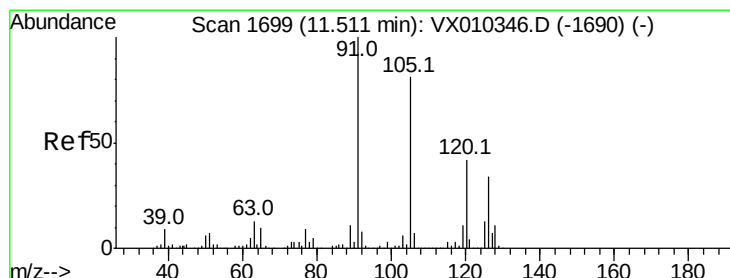
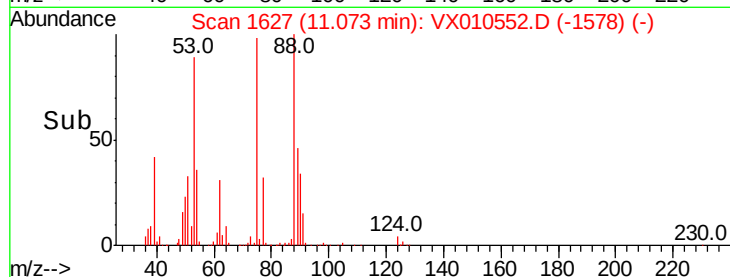
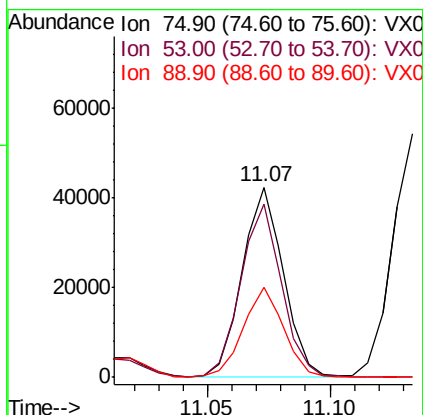
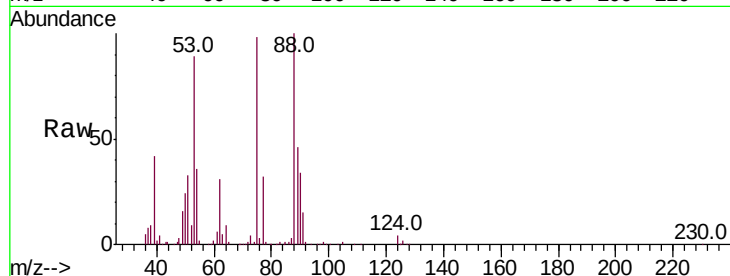
53 90.4 66.1 99.1

89 46.9 37.8 56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.876 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010552.D

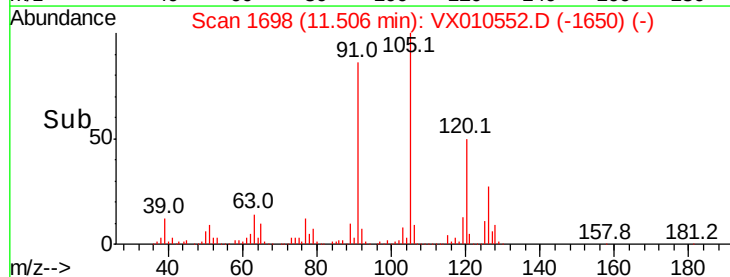
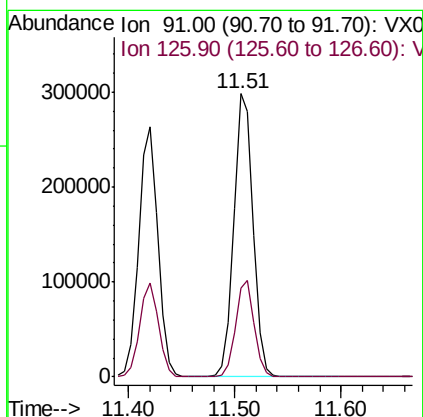
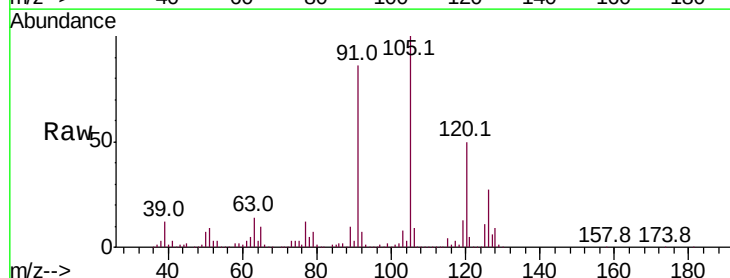
Acq: 28 Jun 2019 22:24

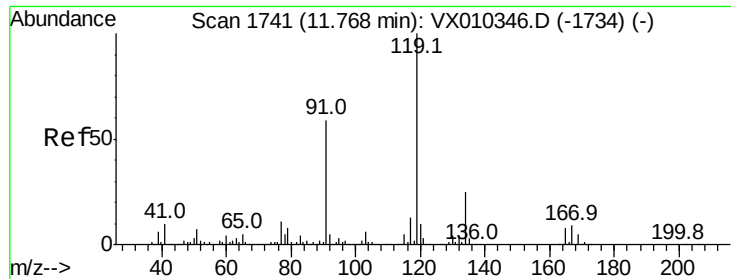
Tgt Ion: 91 Resp: 377921

Ion Ratio Lower Upper

91 100

126 32.6 16.2 48.6





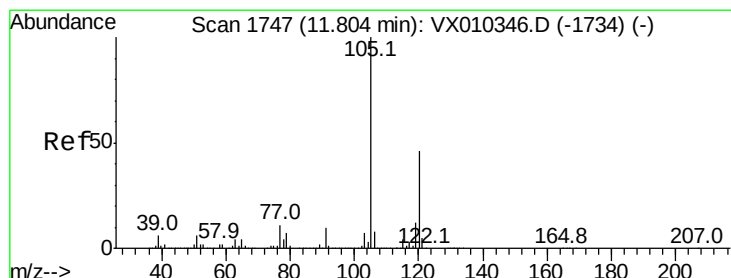
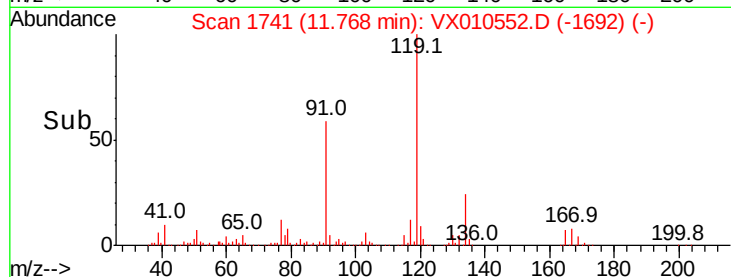
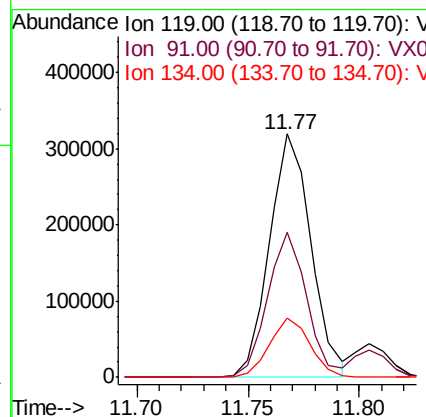
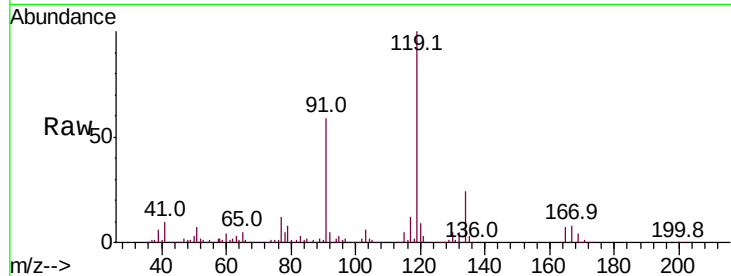
#83
 tert-Butylbenzene
 Concen: 46.248 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010552.D
 Acq: 28 Jun 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	414275		
91	56.3		27.6	82.7
134	23.7		11.8	35.4

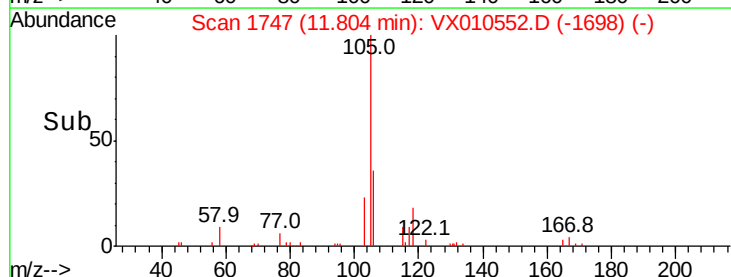
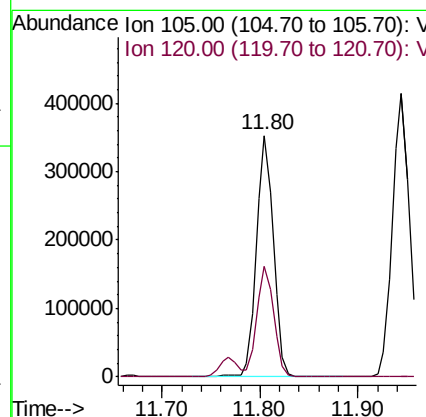
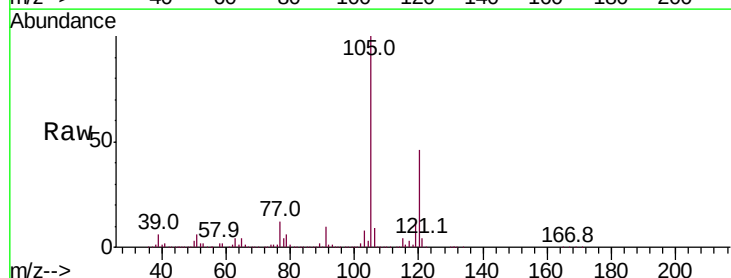
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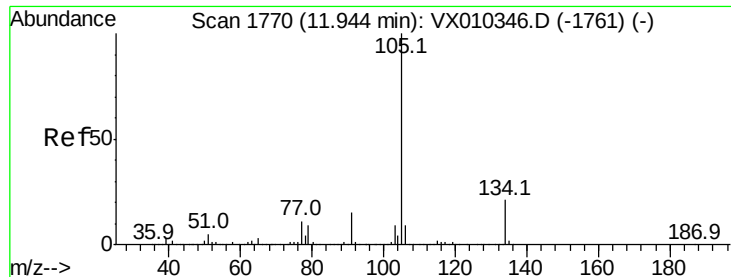
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.337 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010552.D
 Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	424458		
120	45.2		23.1	69.2





#85

sec-Butylbenzene

Concen: 47.336 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 497864

Ion Ratio Lower Upper

105 100

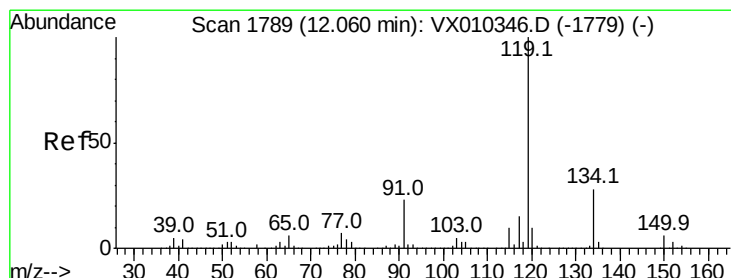
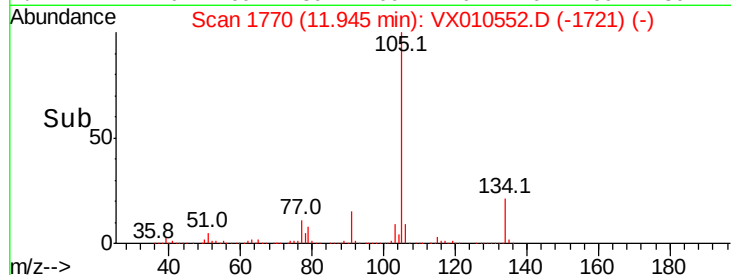
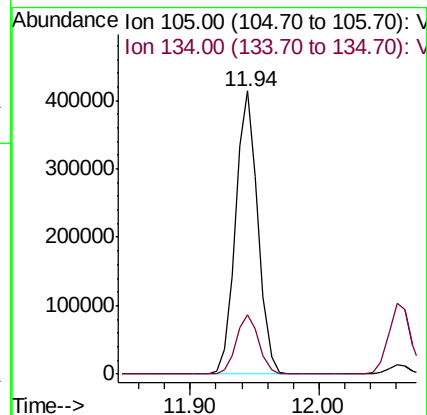
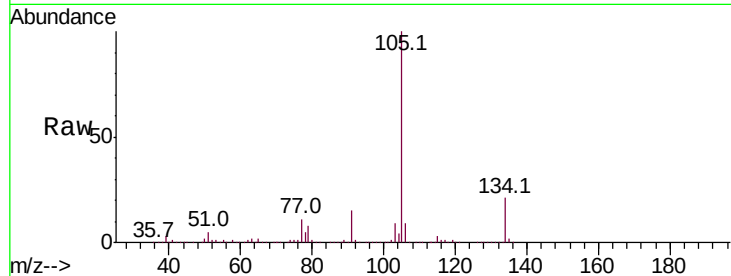
134 21.2 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 46.485 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

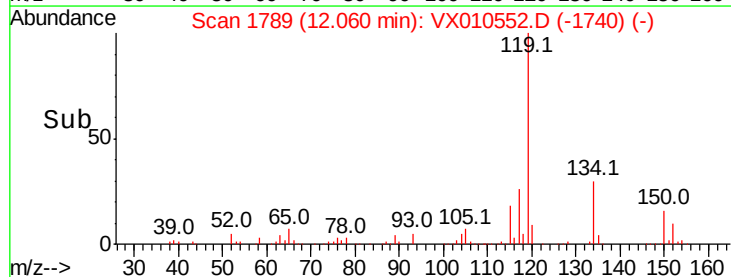
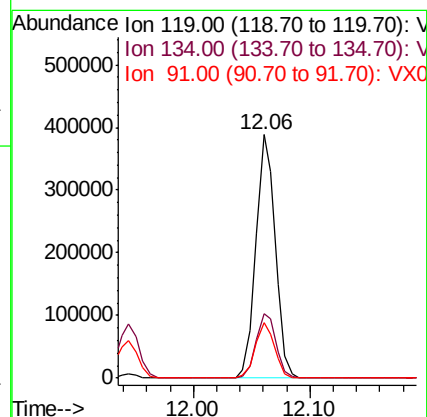
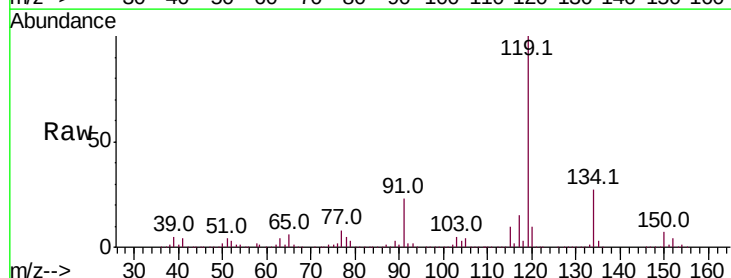
Tgt Ion:119 Resp: 452221

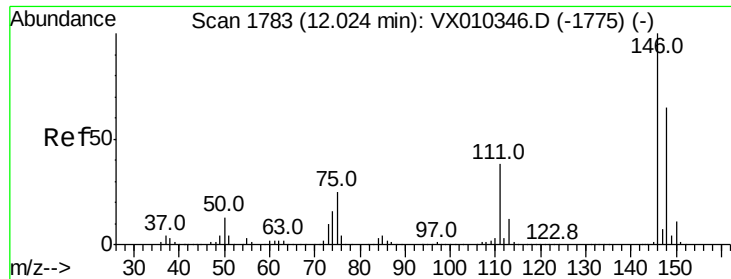
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

91 22.7 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 45.797 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

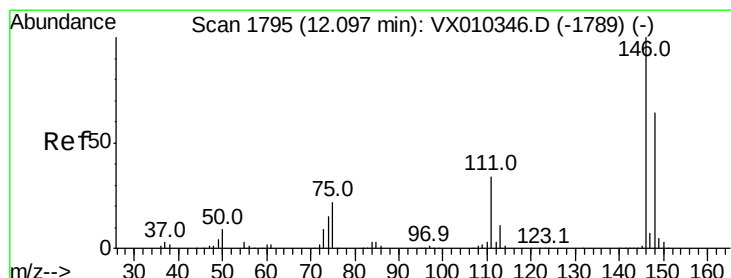
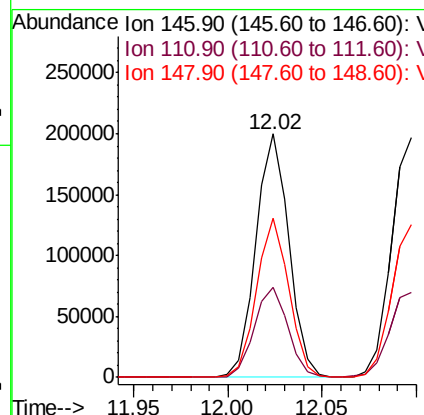
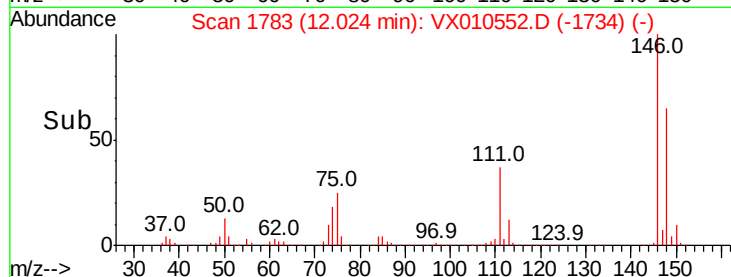
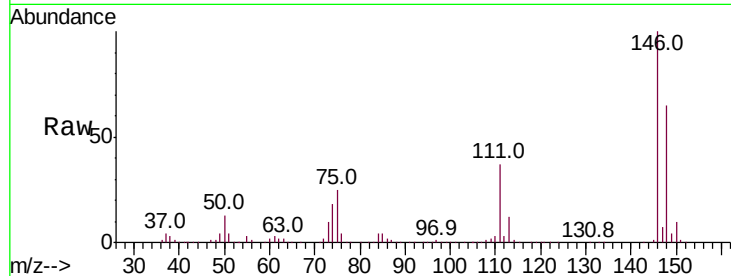
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	241659
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.1	57.1
148	64.1	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 44.924 ug/l

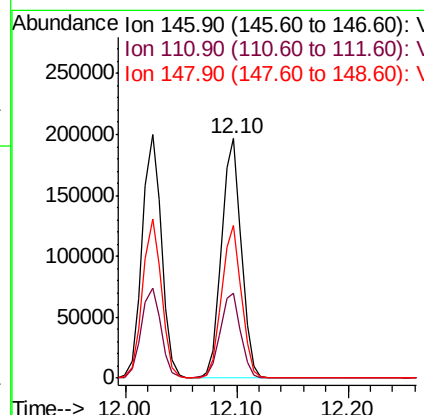
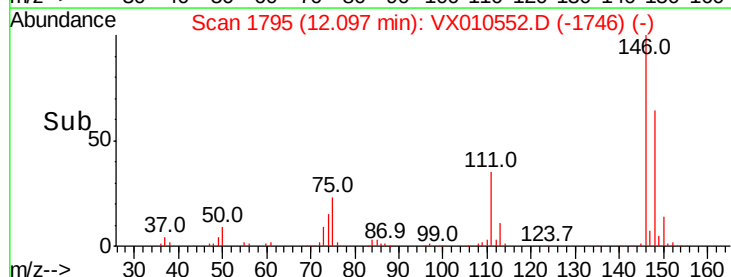
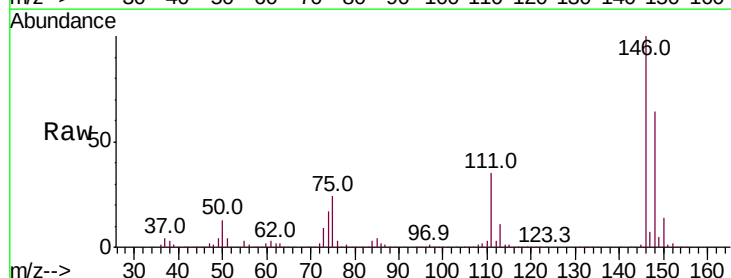
RT: 12.10 min Scan# 1795

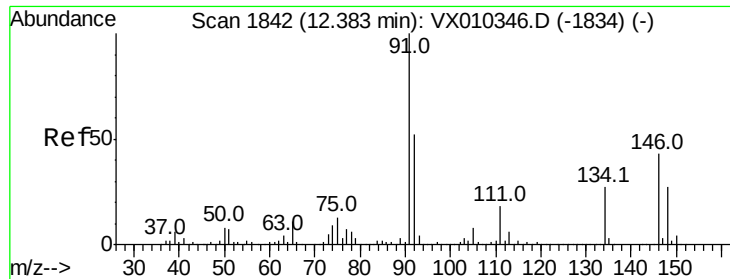
Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Tgt Ion:	146	Resp:	241330
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.1	54.3
148	63.5	32.1	96.3





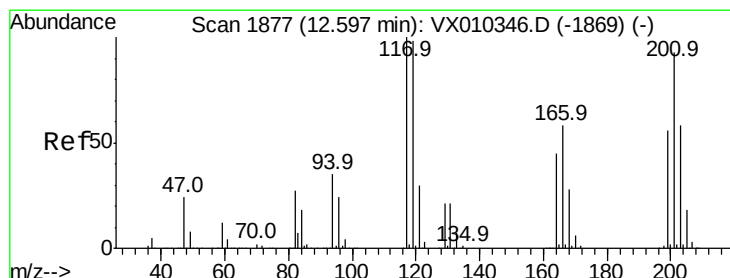
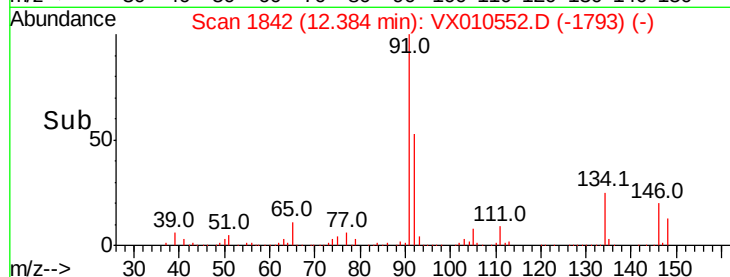
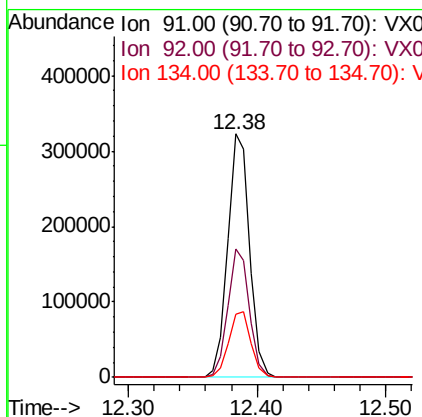
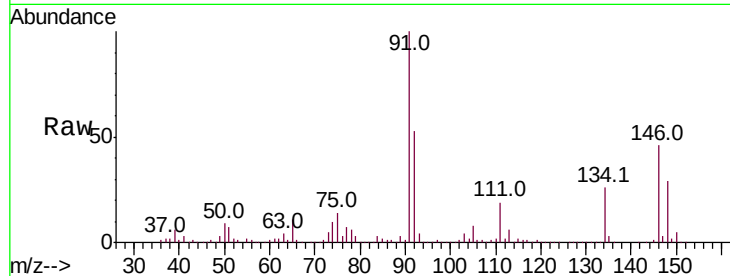
#89
n-Butylbenzene
Concen: 46.496 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	27.3	14.1	42.4

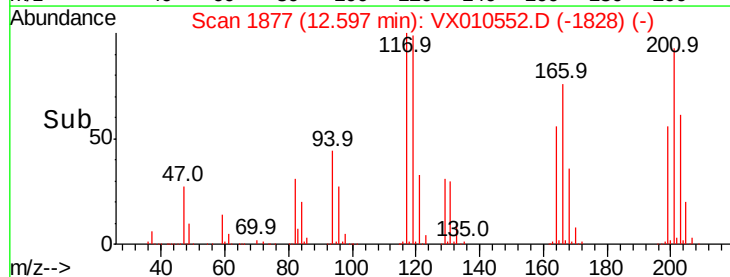
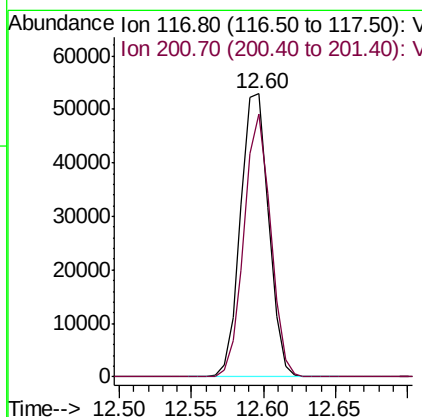
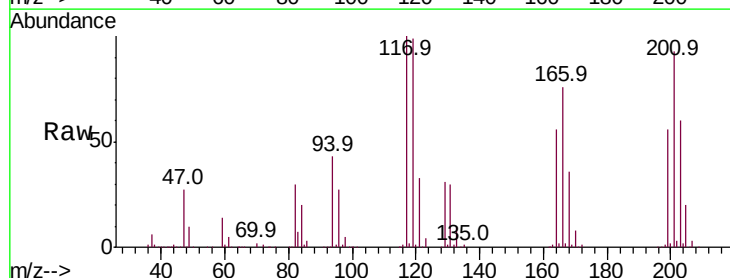
Manual Integrations
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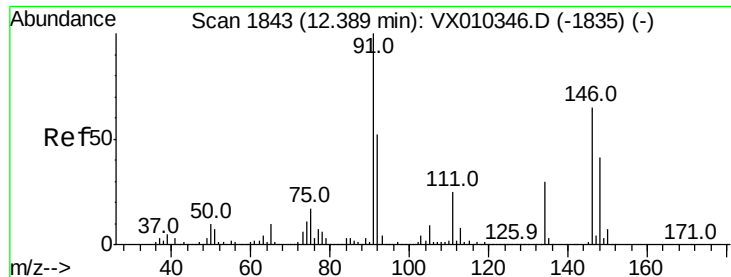
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#90
Hexachloroethane
Concen: 42.832 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	44.0	131.8





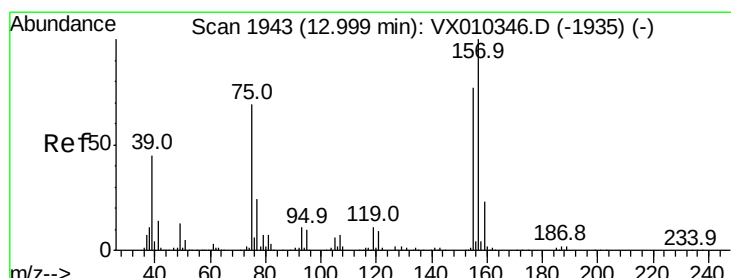
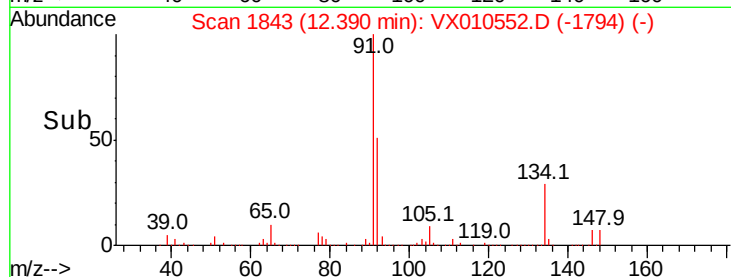
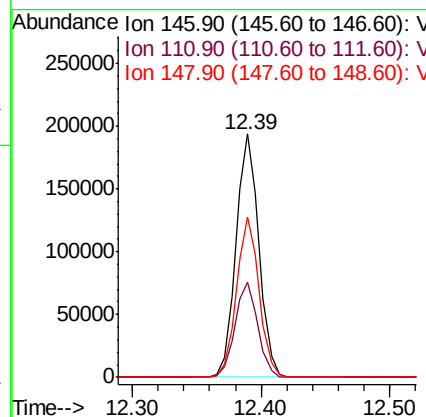
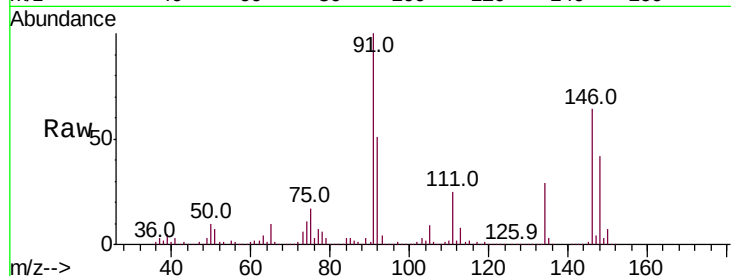
#91
 1,2-Dichlorobenzene
 Concen: 45.826 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010552.D
 Acq: 28 Jun 2019 22:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.9	19.2	57.6	
148	65.0	32.0	96.0	

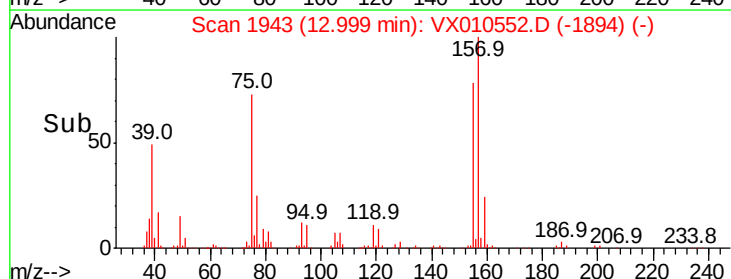
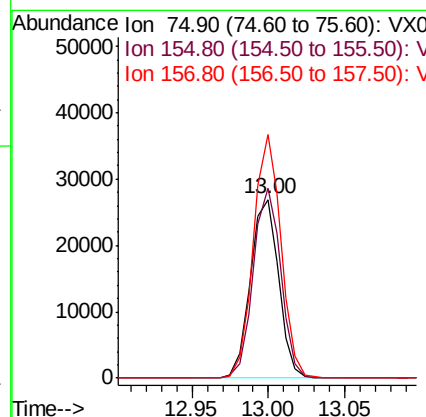
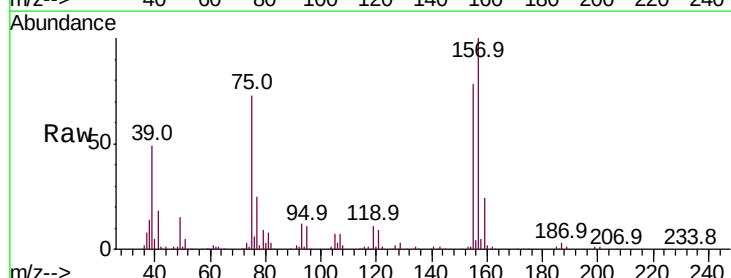
Manual Integrations
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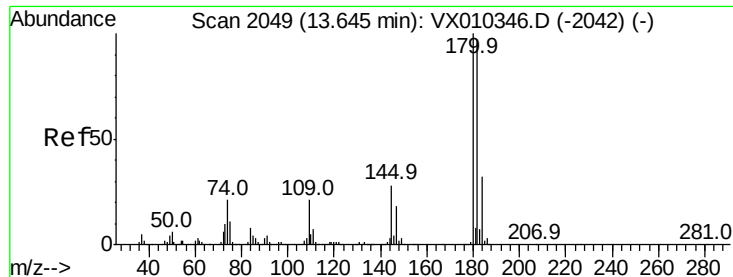
MMDadoda
 7/1/2019 10:40:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.707 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010552.D
 Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	103.6	54.4	163.1	
157	132.5	69.5	208.3	





#93

1,2,4-Trichlorobenzene

Concen: 45.729 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Instrument :

MSVOA_X

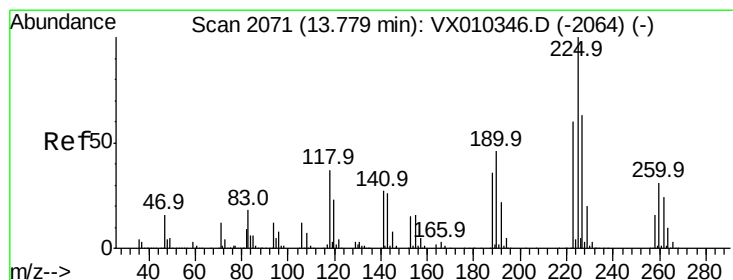
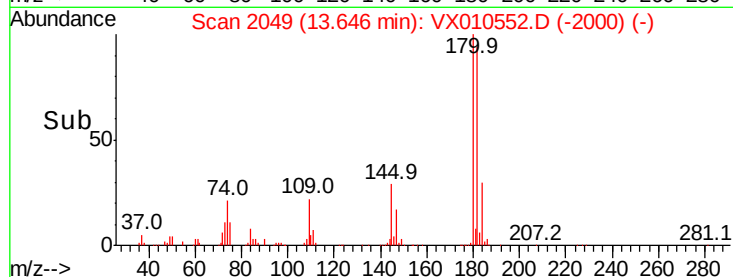
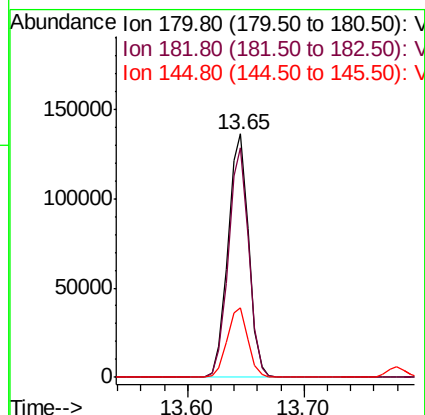
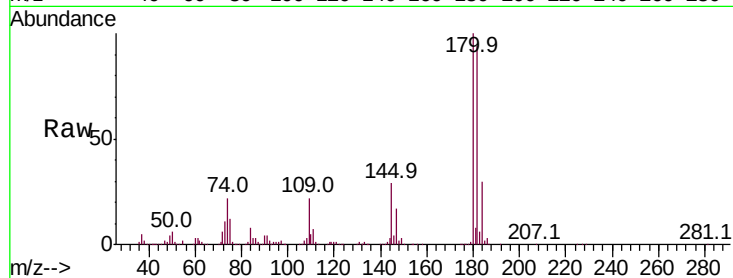
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	166312
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.0	144.0
145	28.8	14.4	43.4

Manual Integrations
APPROVED

MMDadoda
7/1/2019 10:40:43 AM



#94

Hexachlorobutadiene

Concen: 44.248 ug/l

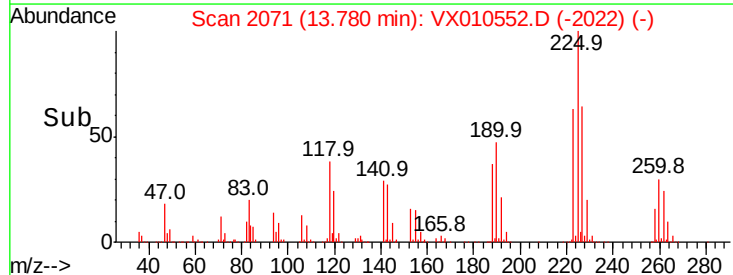
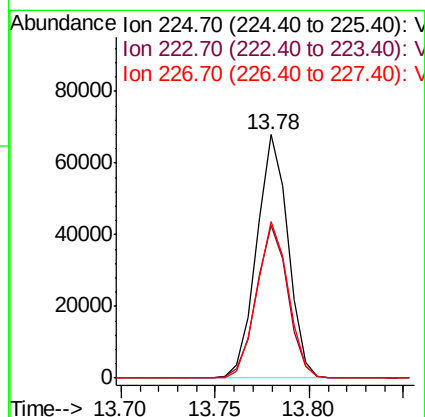
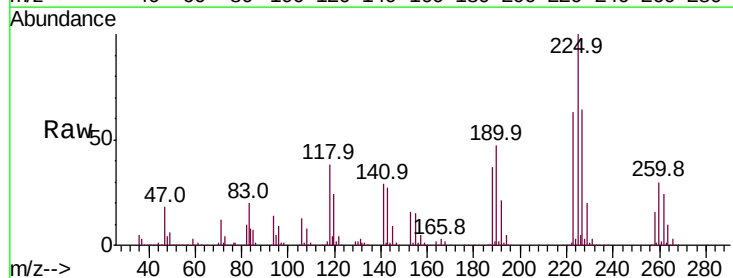
RT: 13.78 min Scan# 2071

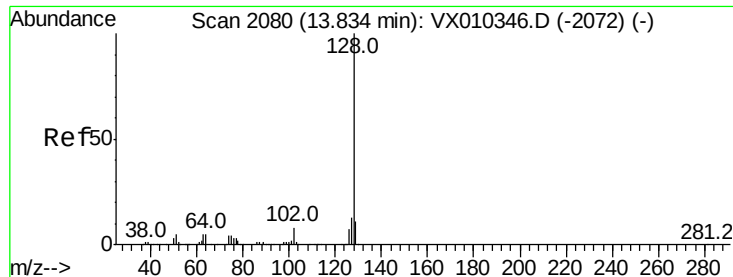
Delta R.T. 0.00 min

Lab File: VX010552.D

Acq: 28 Jun 2019 22:24

Tgt Ion:	225	Resp:	78650
Ion Ratio	Lower	Upper	
225	100		
223	63.2	30.9	92.7
227	64.4	31.9	95.5





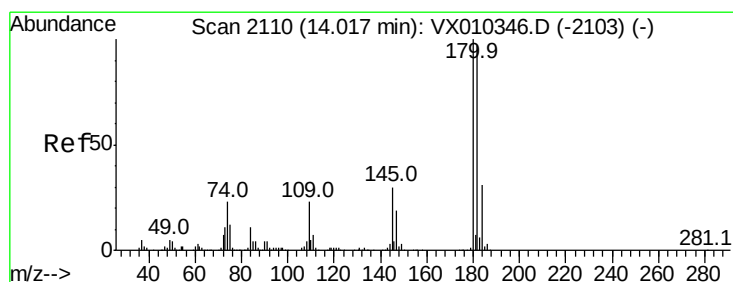
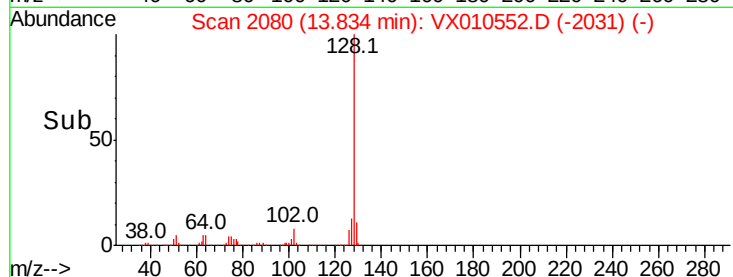
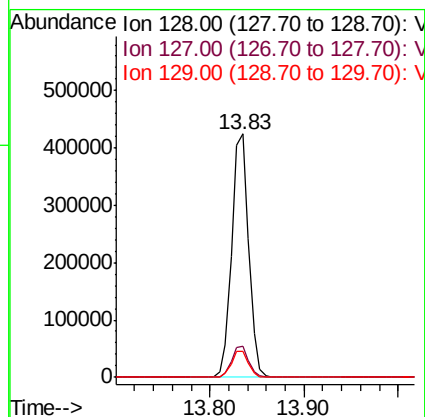
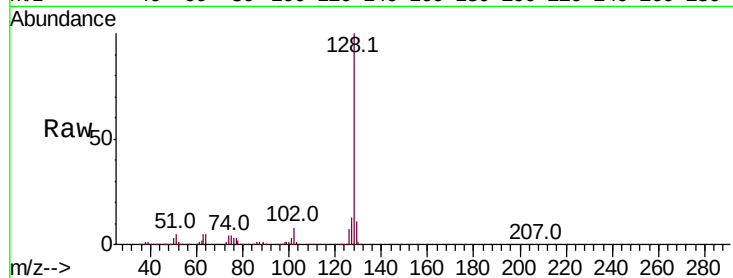
#95
Naphthalene
Concen: 47.479 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/1/2019 10:40:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.720 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010552.D
Acq: 28 Jun 2019 22:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.3
145	30.9	15.2	45.6

