

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010905.D
 Acq On : 16 Jul 2019 13:33
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071619

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:22 AM

Quant Time: Jul 17 04:48:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	246620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	360770	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	333397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	179967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	123146	46.94	ug/l	0.00
Spiked Amount						
			Recovery	=	93.88%	
35) Dibromofluoromethane	5.49	113	110761	48.37	ug/l	0.00
Spiked Amount						
			Recovery	=	96.74%	
50) Toluene-d8	8.71	98	414918	48.31	ug/l	0.00
Spiked Amount						
			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	11.13	95	160763	50.92	ug/l	0.00
Spiked Amount						
			Recovery	=	101.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	135755	51.605	ug/l	99
3) Chloromethane	1.32	50	113435	50.018	ug/l	99
4) Vinyl Chloride	1.41	62	119283	51.565	ug/l	99
5) Bromomethane	1.64	94	64736	49.660	ug/l	98
6) Chloroethane	1.71	64	72966	49.635	ug/l	94
7) Trichlorofluoromethane	1.93	101	199360	50.912	ug/l	98
8) Diethyl Ether	2.18	74	64321	47.675	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	114875	51.380	ug/l	99
10) Methyl Iodide	2.51	142	138949	47.358	ug/l	99
11) Tert butyl alcohol	3.04	59	134506	220.131	ug/l	99
12) 1,1-Dichloroethene	2.37	96	108996	49.618	ug/l	99
13) Acrolein	2.29	56	81567	231.049	ug/l	99
14) Allyl chloride	2.73	41	161524	50.622	ug/l	99
15) Acrylonitrile	3.14	53	285902	231.557	ug/l	100
16) Acetone	2.44	43	287124	242.304	ug/l	99
17) Carbon Disulfide	2.57	76	293252	52.042	ug/l	99
18) Methyl Acetate	2.77	43	118436	43.894	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	348453	49.275	ug/l	97
20) Methylene Chloride	2.85	84	118486	47.183	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	116355	49.920	ug/l	96
22) Diisopropyl ether	3.85	45	324775	48.261	ug/l	91
23) Vinyl Acetate	3.81	43	1450524	254.391	ug/l	100
24) 1,1-Dichloroethane	3.69	63	189102	48.385	ug/l	99
25) 2-Butanone	4.67	43	413514	243.099	ug/l	100
26) 2,2-Dichloropropane	4.58	77	168890	52.630	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	131688	48.818	ug/l	99
28) Bromochloromethane	5.01	49	85419	46.381	ug/l	99
29) Tetrahydrofuran	5.12	42	252007	233.884	ug/l	100
30) Chloroform	5.21	83	204169	48.331	ug/l	99
31) Cyclohexane	5.58	56	179346	50.345	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	183560	50.225	ug/l	99
36) 1,1-Dichloropropene	5.79	75	153449	51.781	ug/l	99
37) Ethyl Acetate	4.82	43	149564	49.289	ug/l	99
38) Carbon Tetrachloride	5.78	117	164853	53.385	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	203922	53.064	ug/l	99
40) Benzene	6.14	78	455052	50.130	ug/l	100
41) Methacrylonitrile	5.04	41	79879	46.372	ug/l	99
42) 1,2-Dichloroethane	6.19	62	159536	50.547	ug/l	99
43) Isopropyl Acetate	6.44	43	247088	49.521	ug/l	99
44) Trichloroethene	7.21	130	134831	50.179	ug/l	95
45) 1,2-Dichloropropane	7.51	63	114919	49.740	ug/l	99
46) Dibromomethane	7.66	93	82963	50.252	ug/l	99
47) Bromodichloromethane	7.89	83	157480	53.587	ug/l	99
48) Methyl methacrylate	7.76	41	122259	50.299	ug/l	98
49) 1,4-Dioxane	7.74	88	65402	961.922	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	797920	246.698	ug/l	100
52) Toluene	8.78	92	299700	50.258	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	172983	54.742	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	188748	53.680	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	121104	49.322	ug/l	98
56) Ethyl methacrylate	9.18	69	187756	52.277	ug/l	100
57) 1,3-Dichloropropane	9.37	76	192876	49.518	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	486728	283.891	ug/l	99
59) 2-Hexanone	9.49	43	643918	256.679	ug/l	100
60) Dibromochloromethane	9.58	129	135329	47.997	ug/l	99
61) 1,2-Dibromoethane	9.67	107	134317	51.546	ug/l	99
64) Tetrachloroethene	9.34	164	129947	49.546	ug/l	97
65) Chlorobenzene	10.13	112	339482	49.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	125448	52.126	ug/l	99
67) Ethyl Benzene	10.25	91	588930	50.528	ug/l	99
68) m/p-Xylenes	10.36	106	461483	103.217	ug/l	99
69) o-Xylene	10.69	106	220295	50.486	ug/l	99
70) Styrene	10.71	104	382823	52.630	ug/l	100
71) Bromoform	10.85	173	104892	47.976	ug/l	100
73) Isopropylbenzene	11.02	105	609795	50.146	ug/l	100
74) N-amyl acetate	10.90	43	237325	51.077	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	192750	48.435	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	161511m	49.732	ug/l	
77) Bromobenzene	11.25	156	162276	48.379	ug/l	99
78) n-propylbenzene	11.36	91	692935	51.572	ug/l	99
79) 2-Chlorotoluene	11.42	91	408658	50.630	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	515003	50.683	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	60603	47.495	ug/l	100
82) 4-Chlorotoluene	11.51	91	479128	51.002	ug/l	99
83) tert-Butylbenzene	11.77	119	511479	51.246	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	524148	51.179	ug/l	99
85) sec-Butylbenzene	11.94	105	609058	52.079	ug/l	100
86) p-Isopropyltoluene	12.06	119	573171	53.013	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	296495	50.935	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	298910	50.068	ug/l	99
89) n-Butylbenzene	12.38	91	511920	55.343	ug/l	99
90) Hexachloroethane	12.60	117	91256	53.512	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	291790	50.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42121	50.635	ug/l	99

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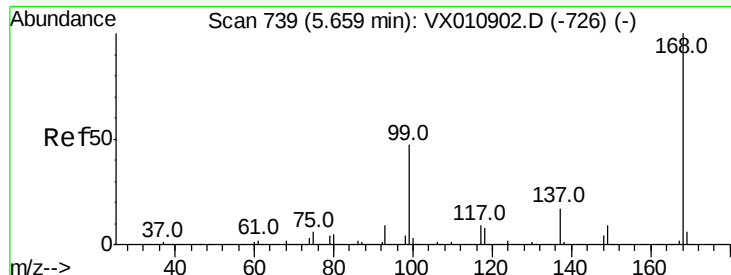
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	208257	53.266	ug/l	98
94) Hexachlorobutadiene	13.78	225	104761	54.071	ug/l	98
95) Naphthalene	13.83	128	607573	52.625	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	201956	51.915	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion:168 Resp: 246620

Ion Ratio Lower Upper

168 100

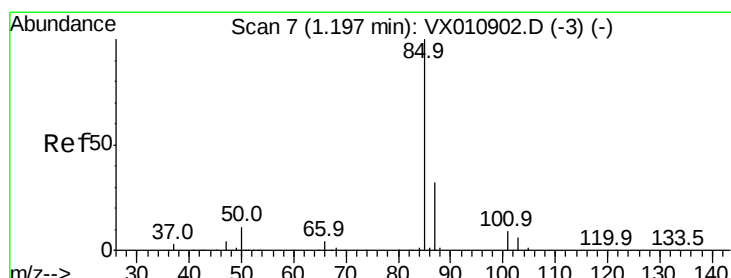
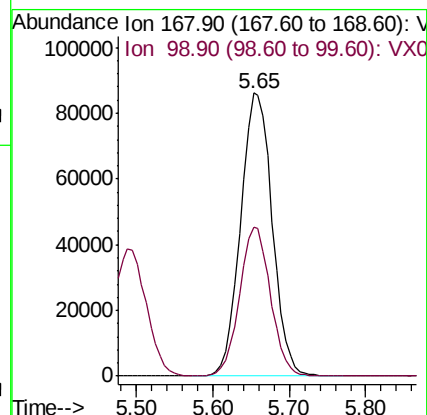
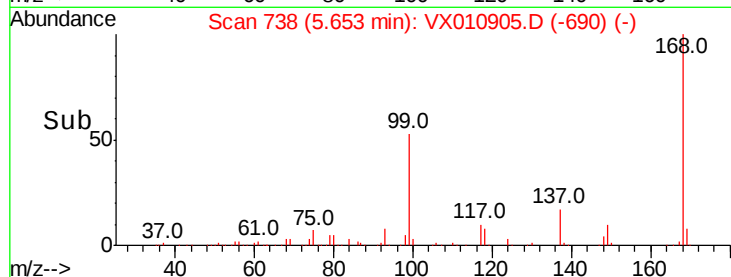
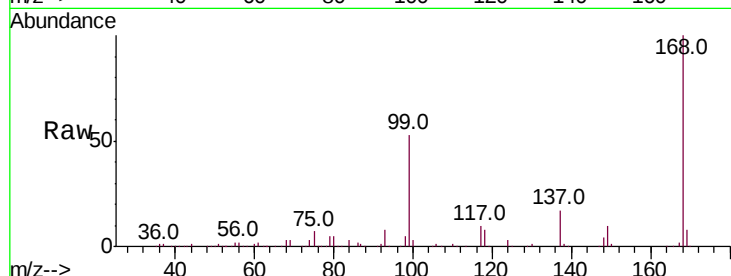
99 52.6 37.6 56.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 51.605 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010905.D

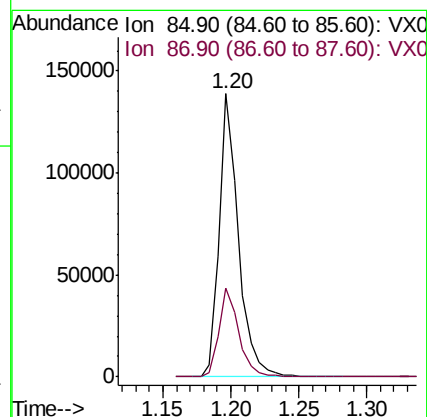
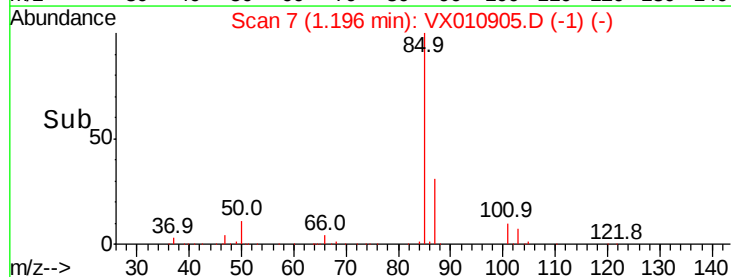
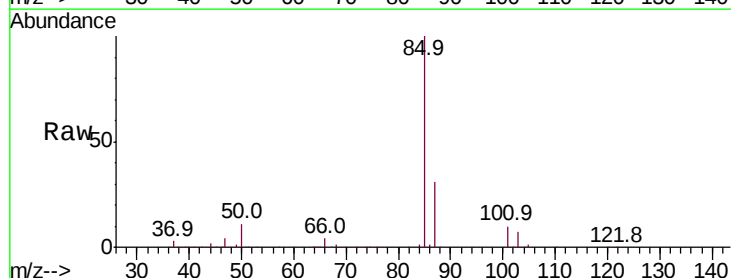
Acq: 16 Jul 2019 13:33

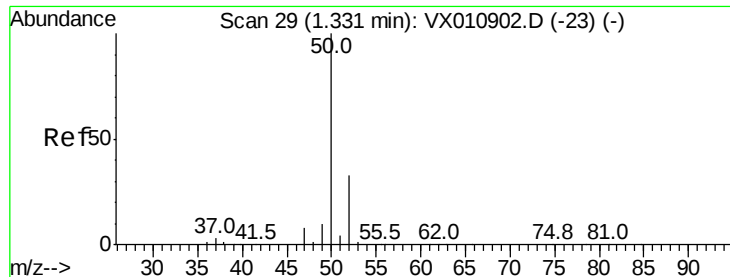
Tgt Ion: 85 Resp: 135755

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7





#3

Chloromethane

Concen: 50.018 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion: 50 Resp: 113435

Ion Ratio Lower Upper

50 100

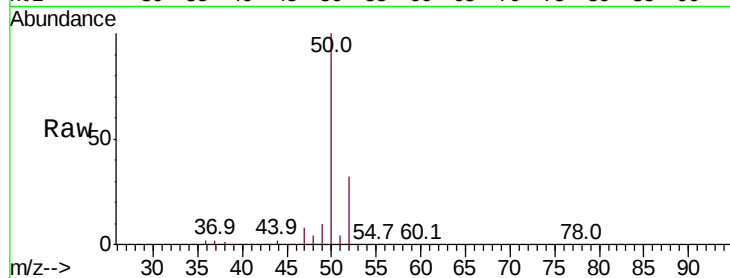
52 32.2 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

60000

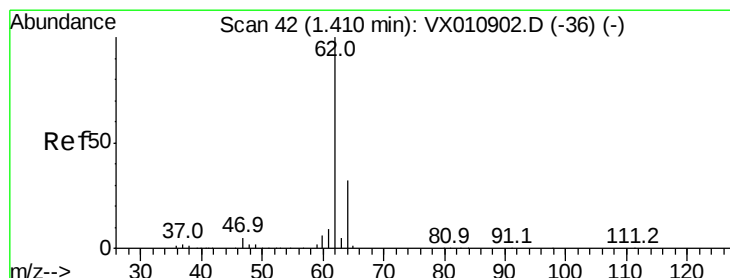
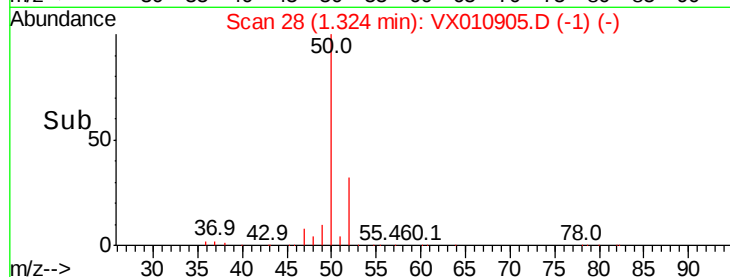
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 51.565 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010905.D

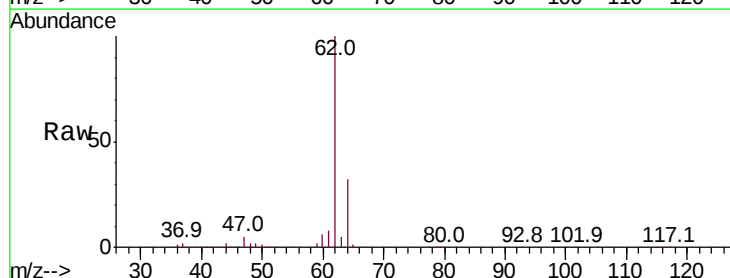
Acq: 16 Jul 2019 13:33

Tgt Ion: 62 Resp: 119283

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

120000

100000

80000

60000

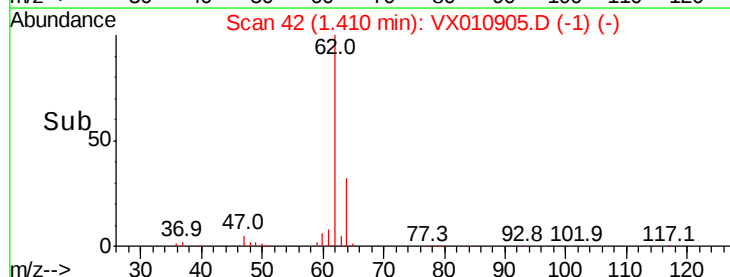
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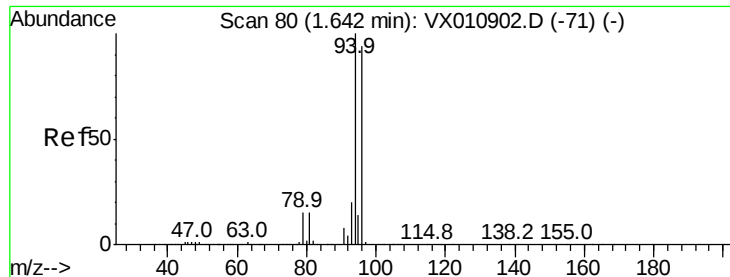
20000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 49.660 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

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Tot Ion: 94 Resp: 64736

Ion Ratio Lower Upper

94 100

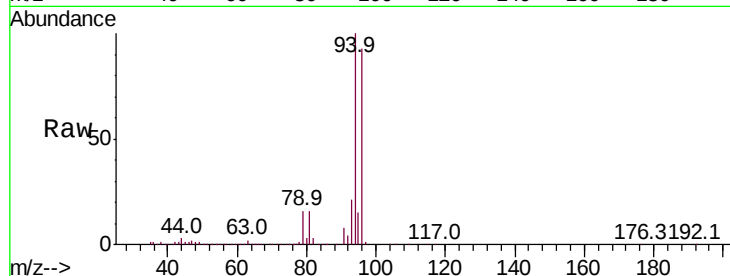
96 92.7 75.6 113.4

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

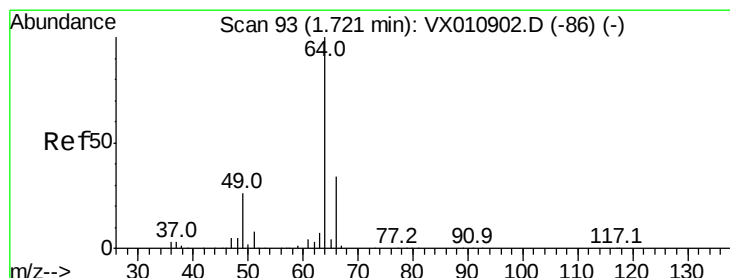
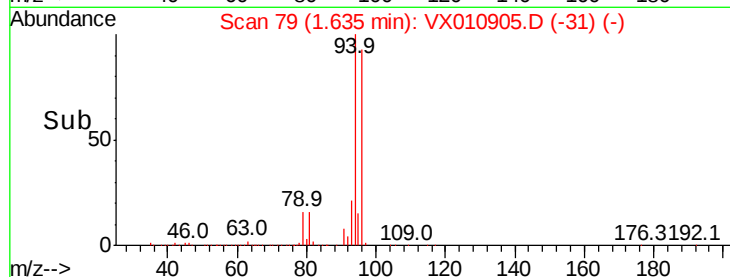
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 49.635 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010905.D

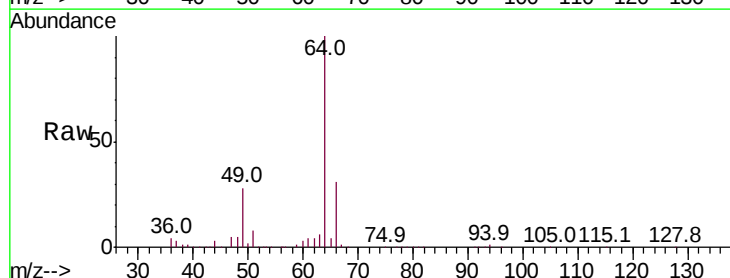
Acq: 16 Jul 2019 13:33

Tgt Ion: 64 Resp: 72966

Ion Ratio Lower Upper

64 100

66 30.6 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

60000

50000

40000

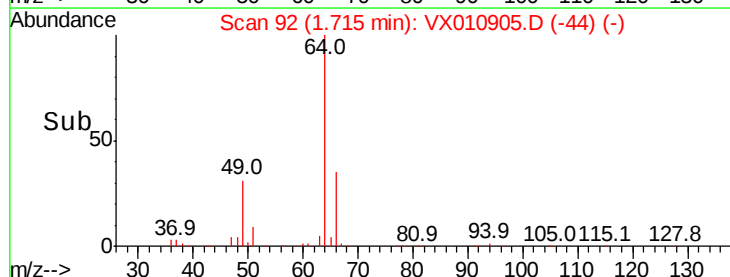
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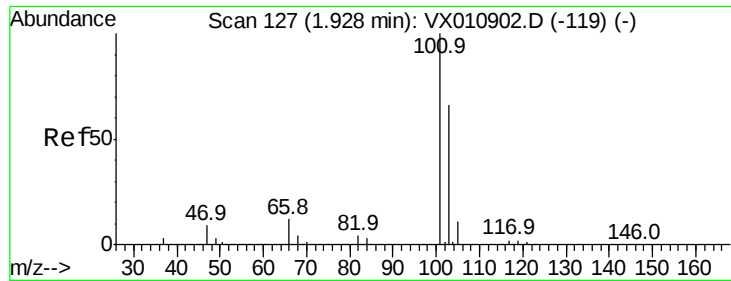
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10000

0

Time--> 1.60 1.70 1.80





#7

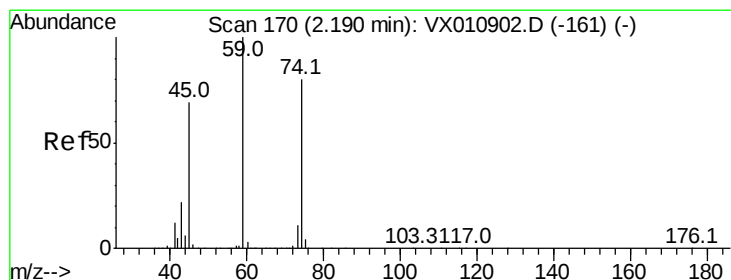
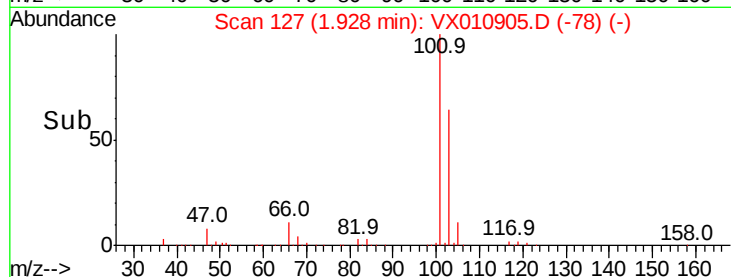
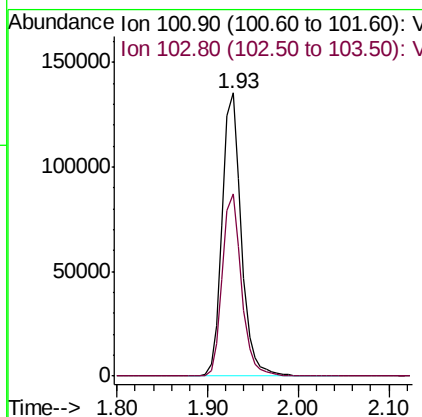
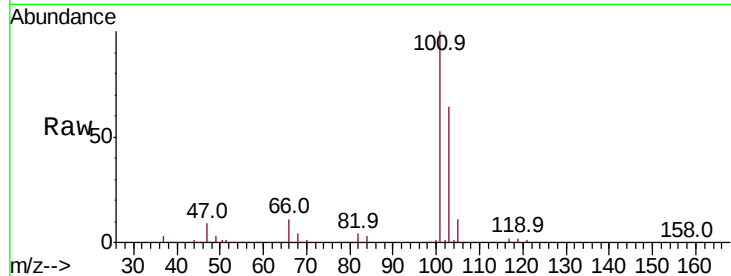
Trichlorofluoromethane
Concen: 50.912 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.6	78.8

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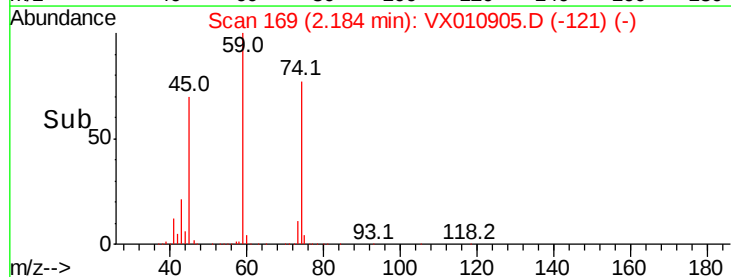
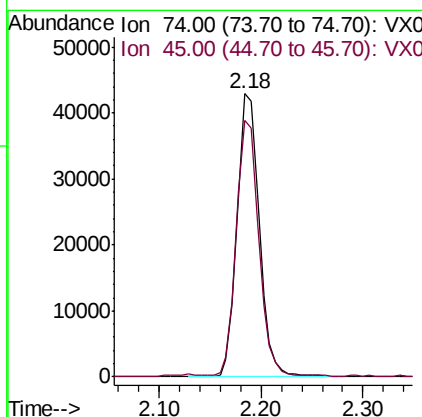
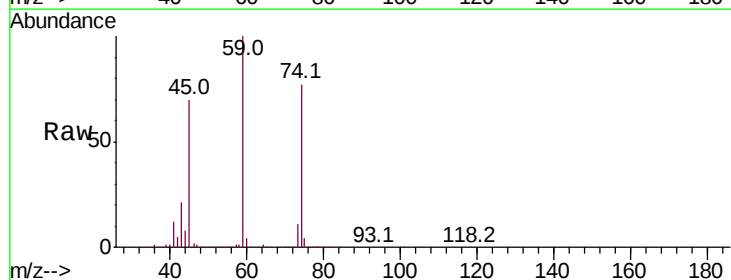
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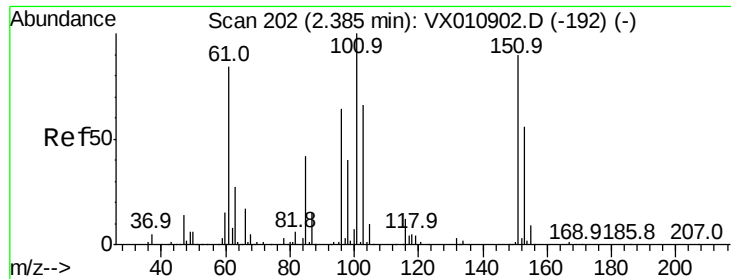


#8

Diethyl Ether
Concen: 47.675 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.9	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.380 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

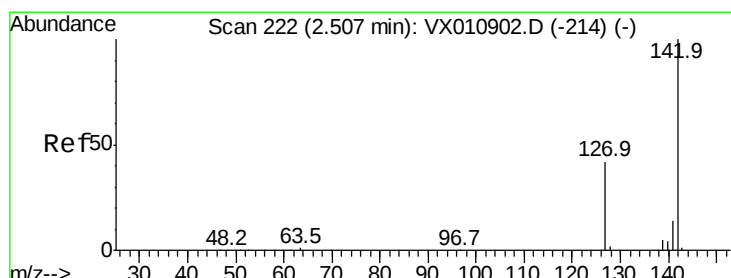
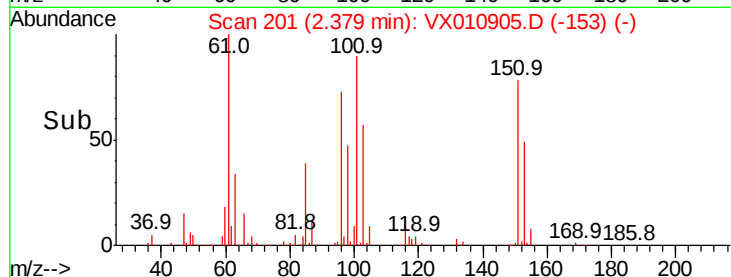
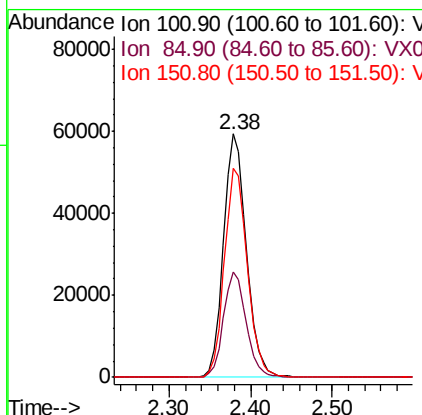
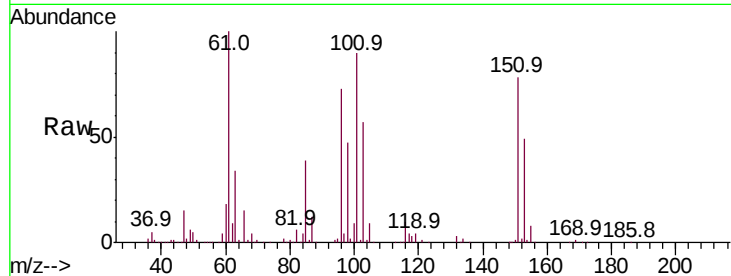
ClientSampleId :

ICVVX071619

Tot Ion:	101	Resp:	114875
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.6	52.0
151	85.8	69.6	104.4

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#10

Methyl Iodide

Concen: 47.358 ug/l

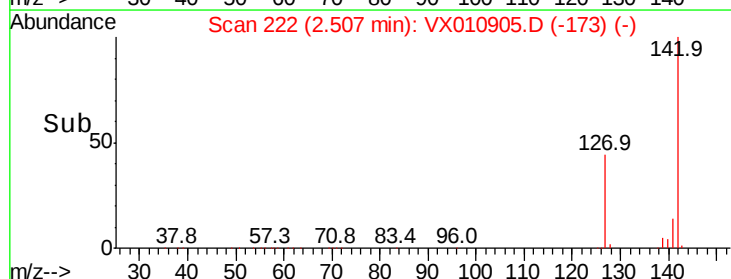
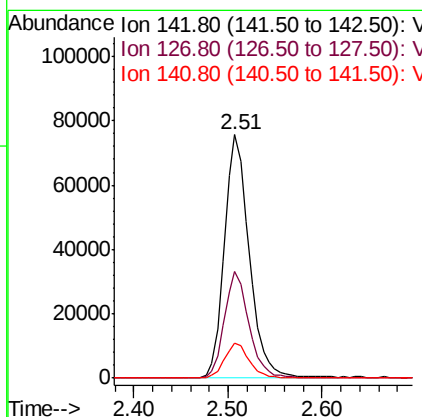
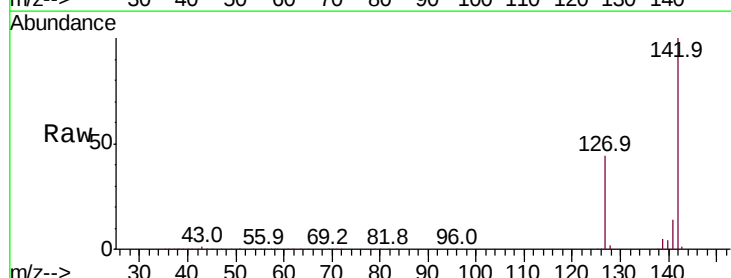
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Tgt Ion:	142	Resp:	138949
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.2	51.4
141	14.4	11.7	17.5





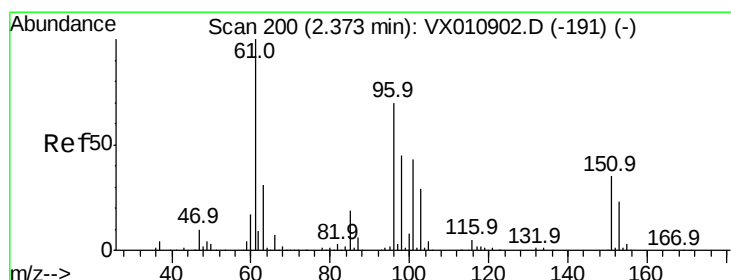
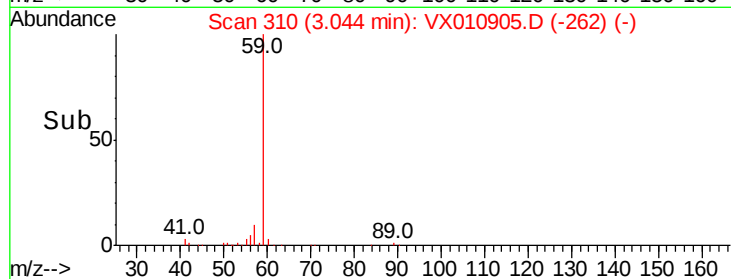
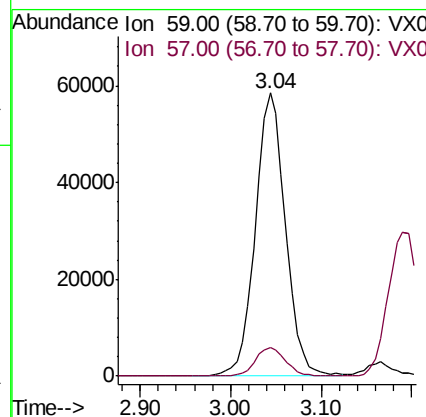
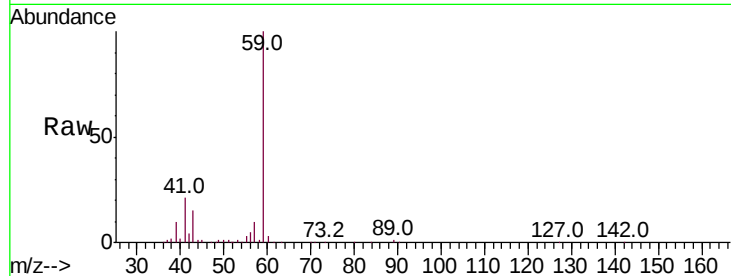
#11
Tert butyl alcohol
Concen: 220.131 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion: 59 Resp: 134506
Ion Ratio Lower Upper
59 100
57 10.3 7.9 11.9

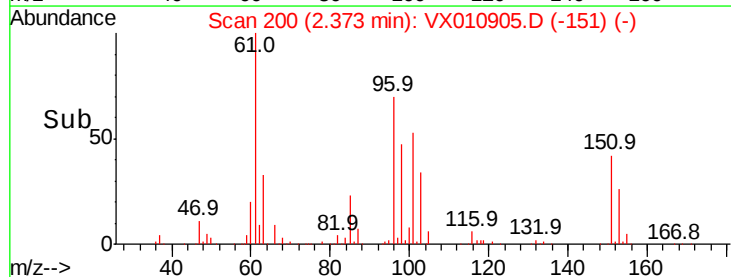
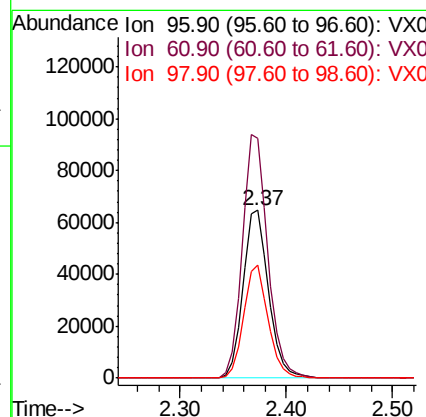
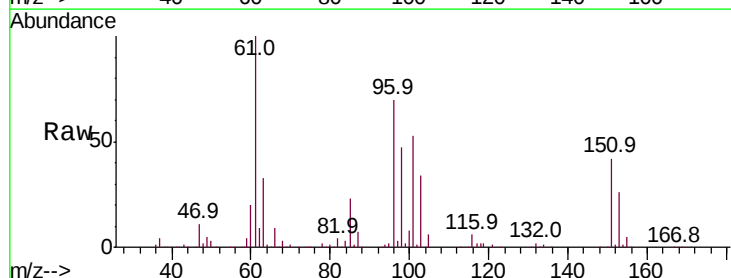
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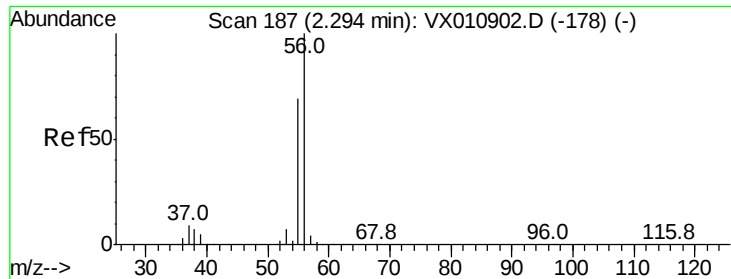
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.618 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion: 96 Resp: 108996
Ion Ratio Lower Upper
96 100
61 142.6 115.0 172.4
98 67.0 52.2 78.2





#13

Acrolein

Concen: 231.049 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion: 56 Resp: 81567

Ion Ratio Lower Upper

56 100

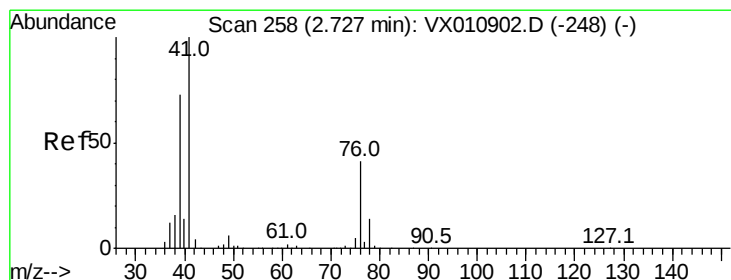
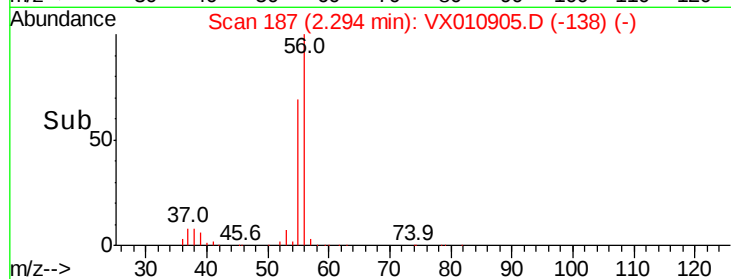
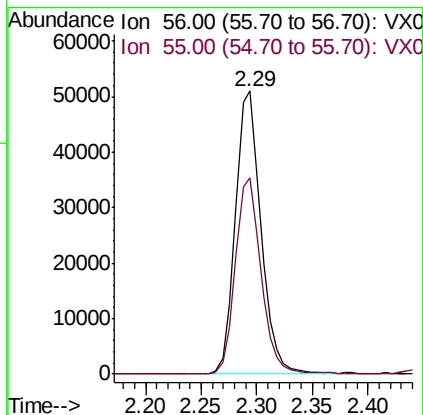
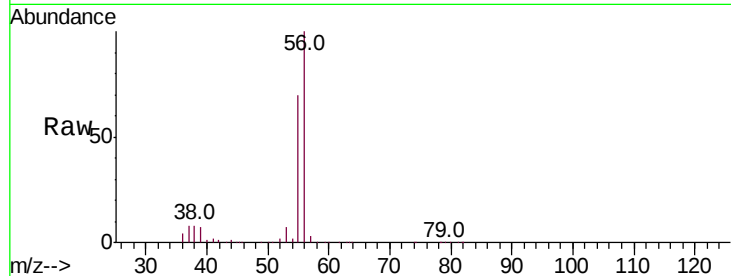
55 69.2 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 50.622 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

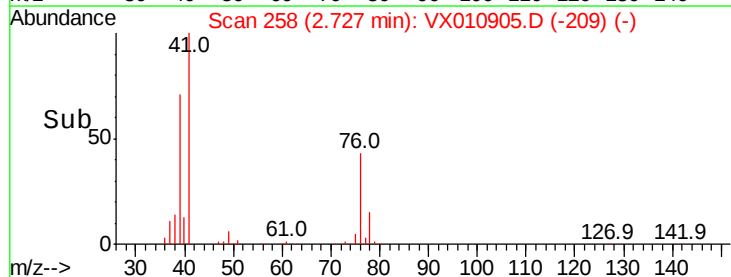
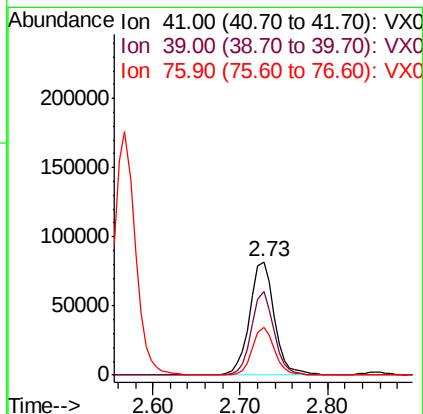
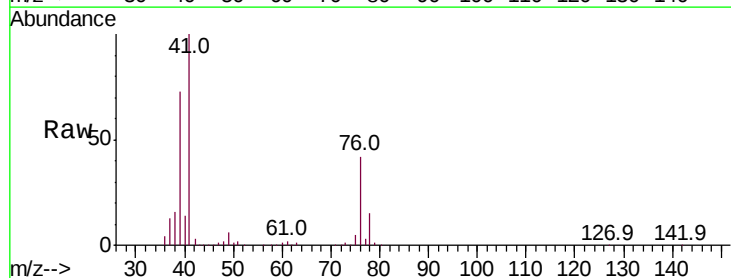
Tgt Ion: 41 Resp: 161524

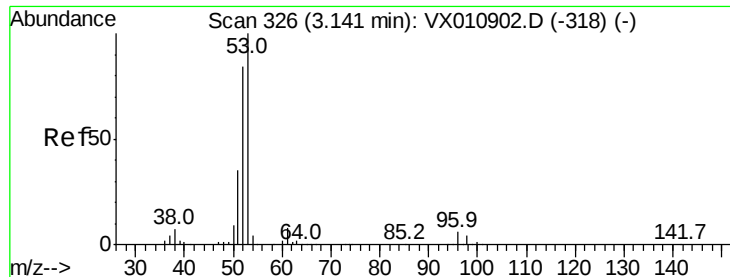
Ion Ratio Lower Upper

41 100

39 66.7 53.6 80.4

76 38.1 29.7 44.5





#15

Acrylonitrile

Concen: 231.557 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

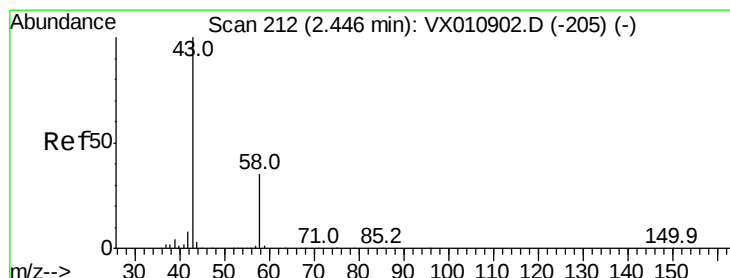
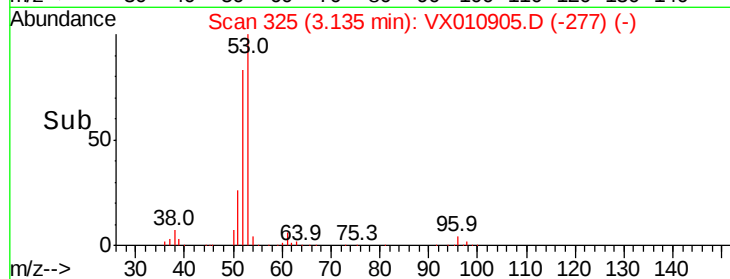
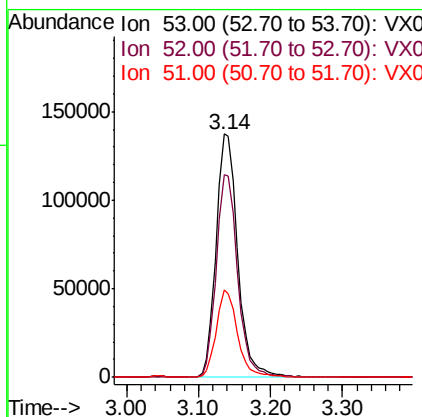
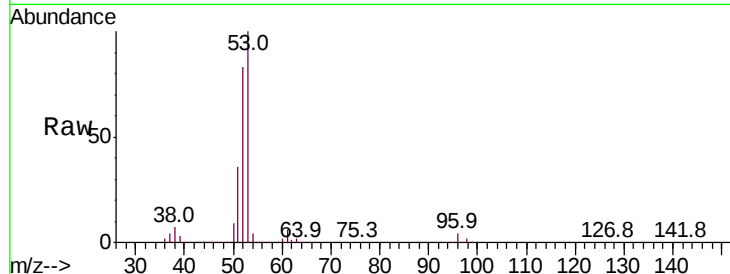
ClientSampleId :

ICVVX071619

Tot Ion:	53	Resp:	285902
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.5	99.7
51	35.6	28.2	42.4

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#16

Acetone

Concen: 242.304 ug/l

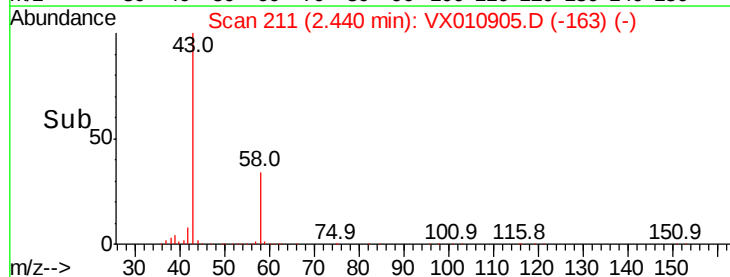
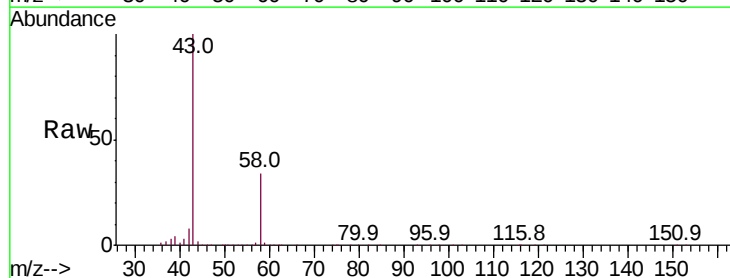
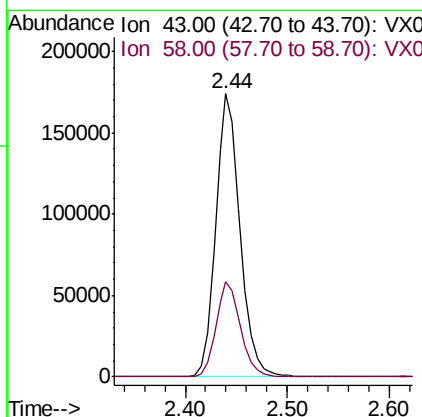
RT: 2.44 min Scan# 211

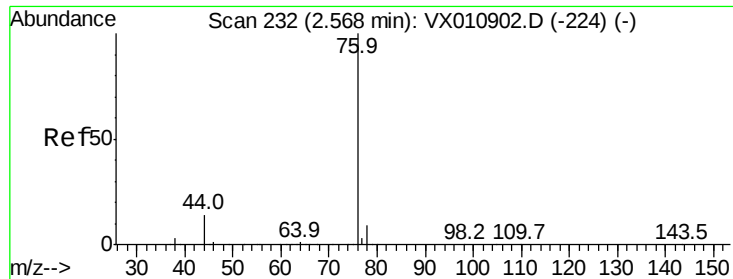
Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Tgt Ion:	43	Resp:	287124
Ion Ratio	Lower	Upper	
43	100		
58	33.8	27.7	41.5





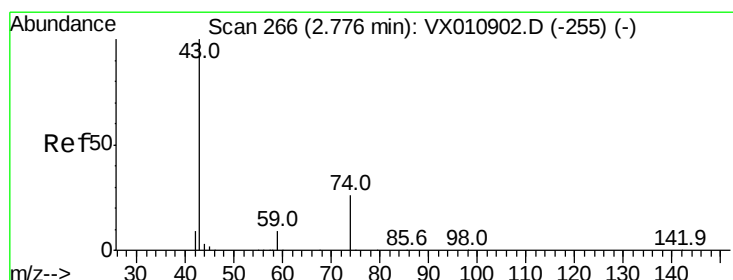
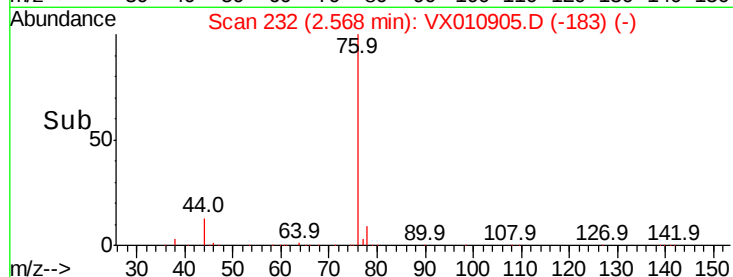
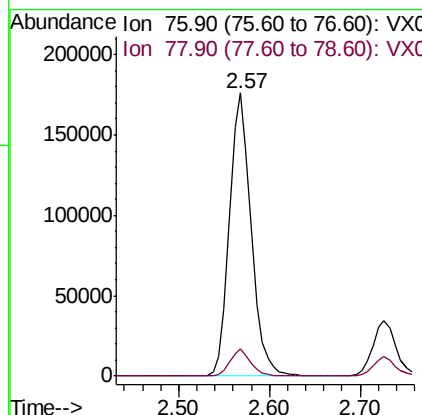
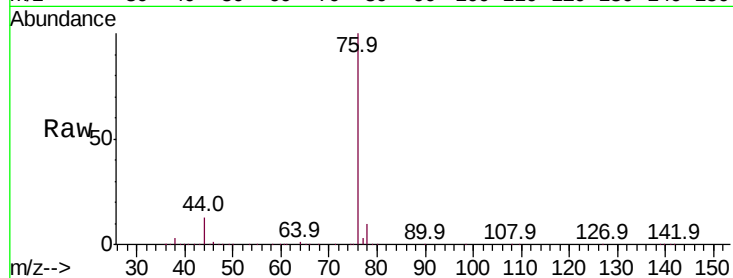
#17
Carbon Disulfide
Concen: 52.042 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

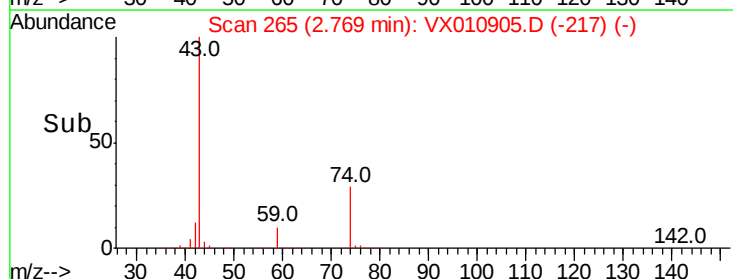
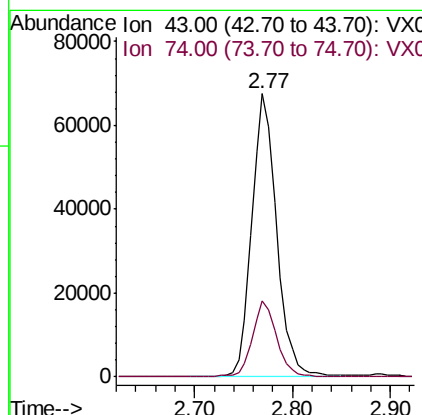
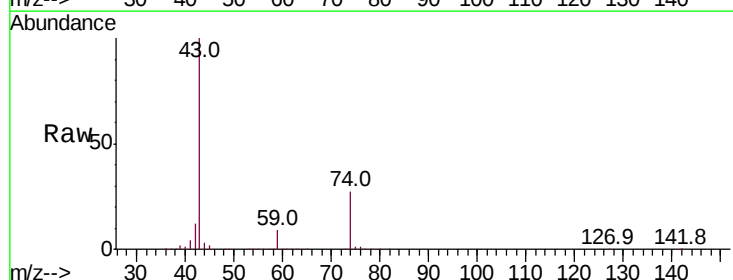
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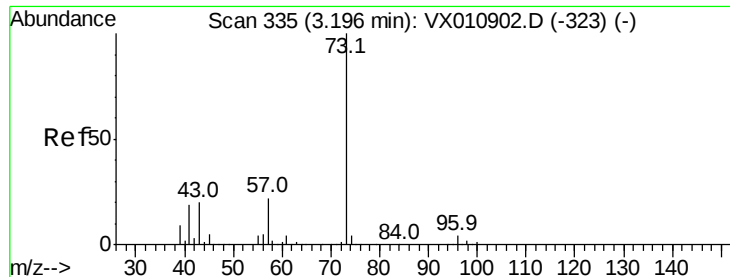
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#18
Methyl Acetate
Concen: 43.894 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	21.5	32.3





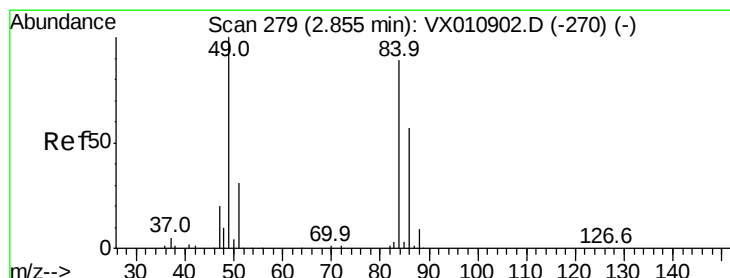
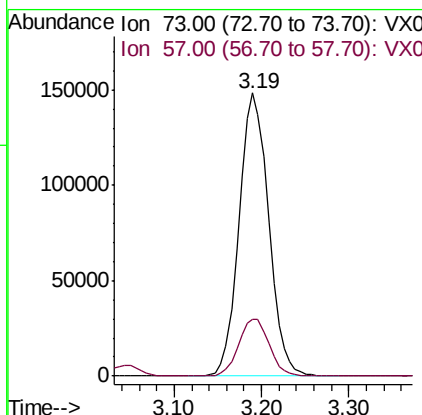
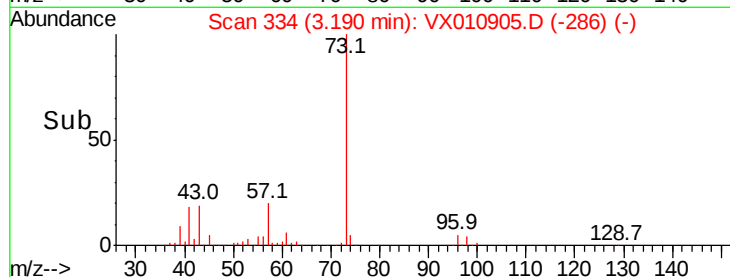
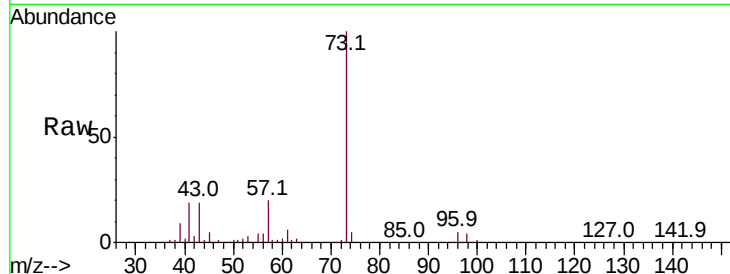
#19
Methyl tert-butyl Ether
Concen: 49.275 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.3	25.9

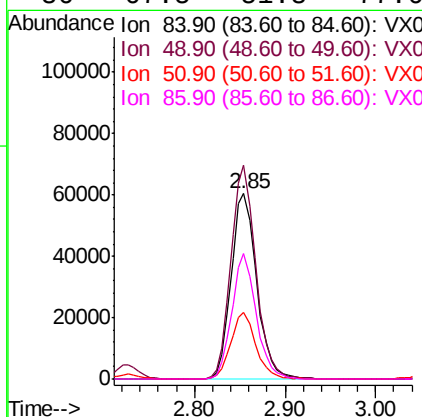
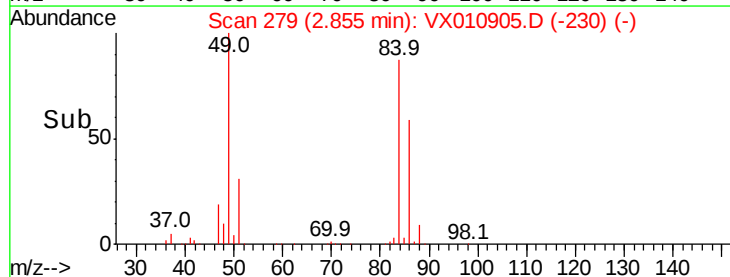
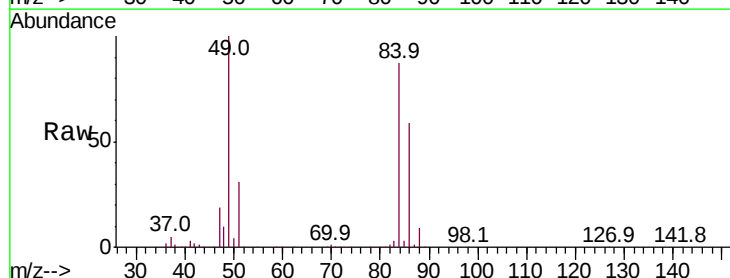
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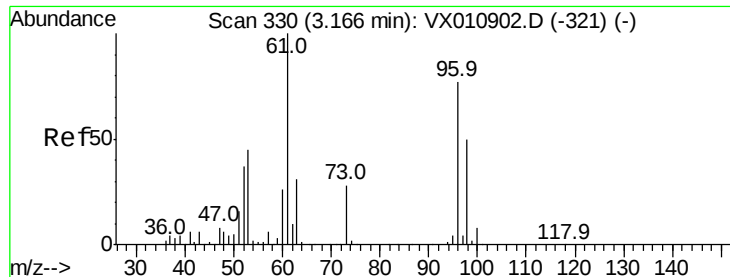
MMDadoda
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#20
Methylene Chloride
Concen: 47.183 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.3	89.9	134.9
51	35.9	27.8	41.6
86	67.5	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 49.920 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion: 96 Resp: 116355

Ion Ratio Lower Upper

96 100

61 123.2 104.2 156.2

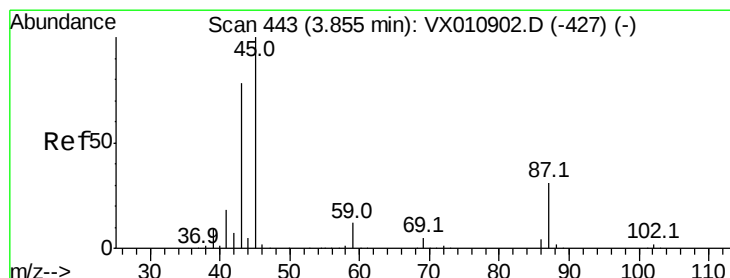
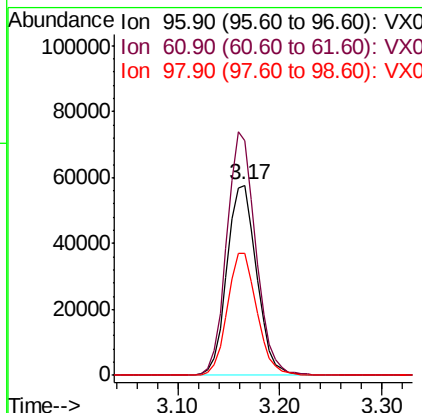
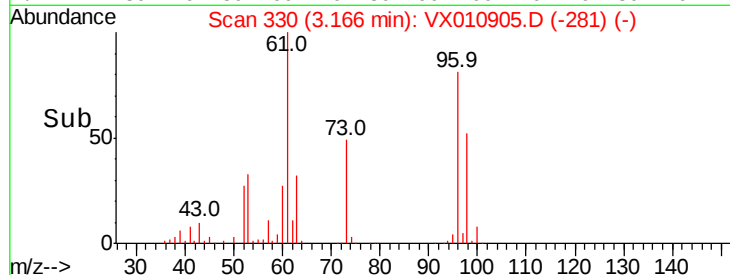
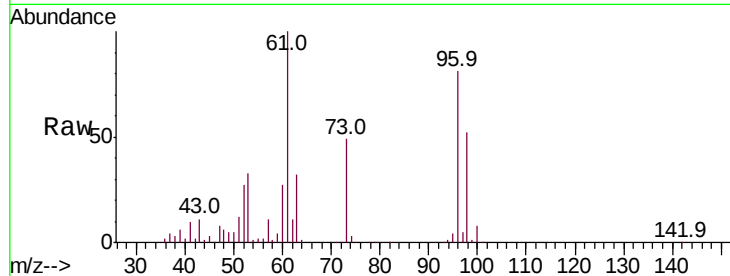
98 64.1 52.2 78.4

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#22

Diisopropyl ether

Concen: 48.261 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Tgt Ion: 45 Resp: 324775

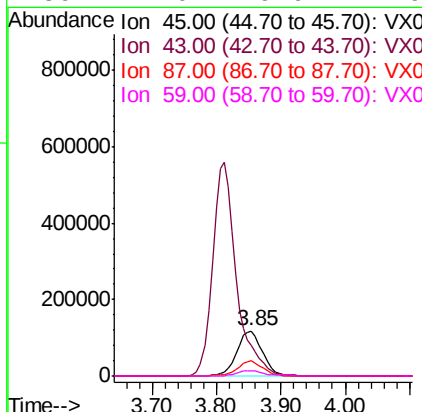
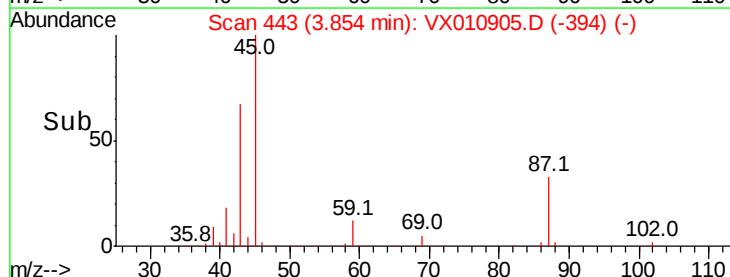
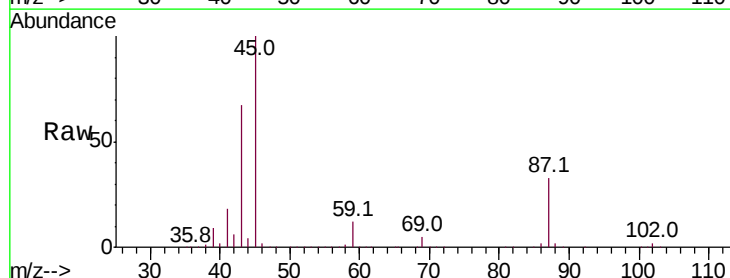
Ion Ratio Lower Upper

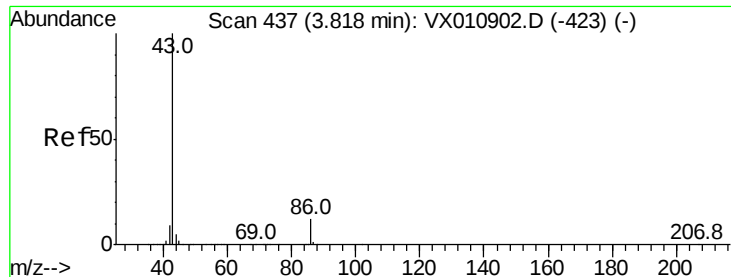
45 100

43 66.9 62.3 93.5

87 32.8 25.0 37.4

59 12.0 9.9 14.9





#23

Vinyl Acetate

Concen: 254.391 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion: 43 Resp: 1450524

Ion Ratio Lower Upper

43 100

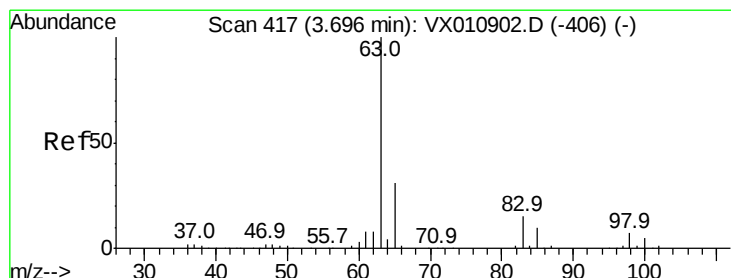
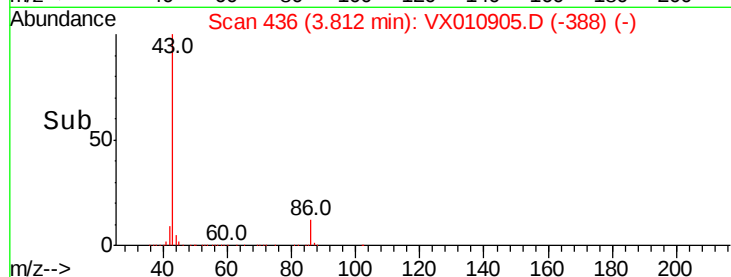
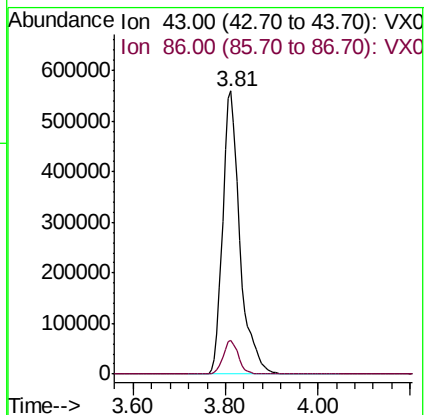
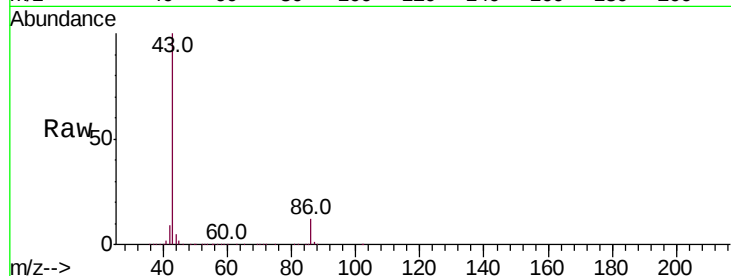
86 11.7 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.385 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

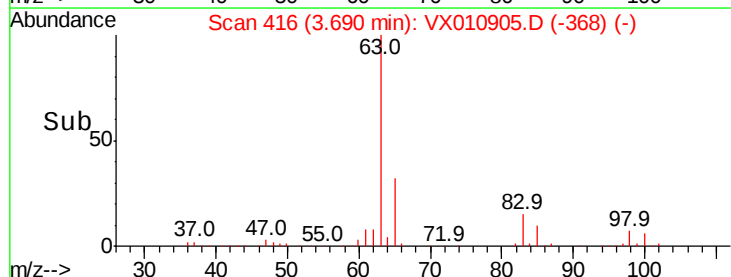
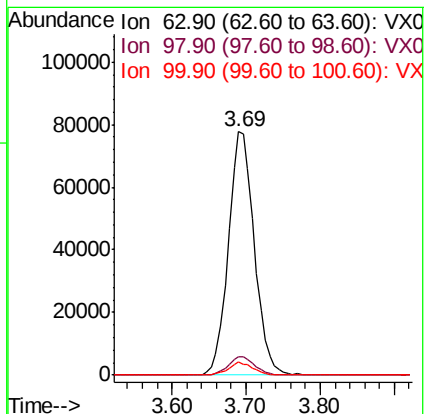
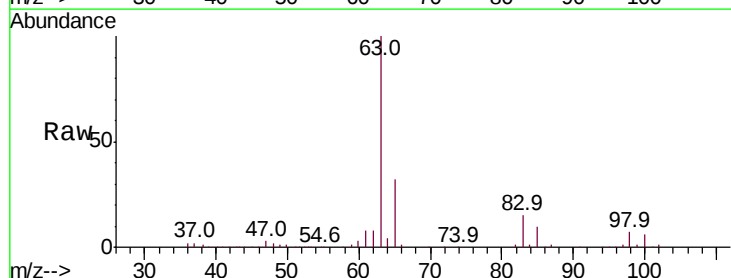
Tgt Ion: 63 Resp: 189102

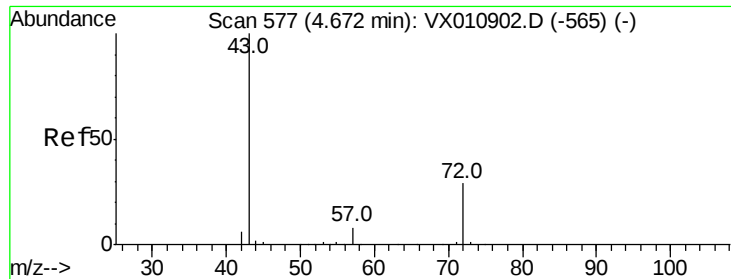
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 5.6 2.4 7.2





#25

2-Butanone

Concen: 243.099 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion: 43 Resp: 413514

Ion Ratio Lower Upper

43 100

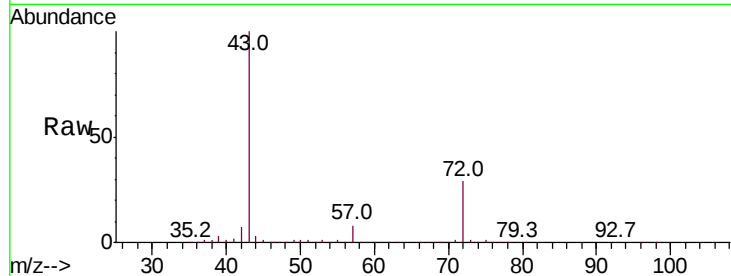
72 28.8 23.0 34.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

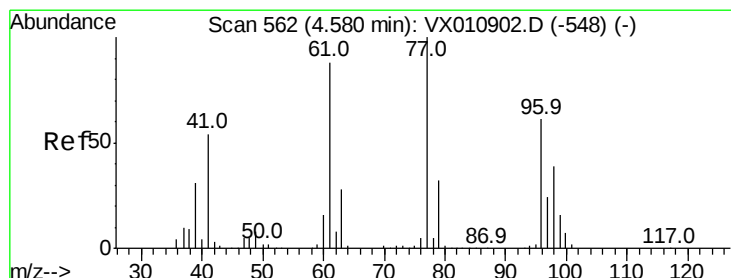
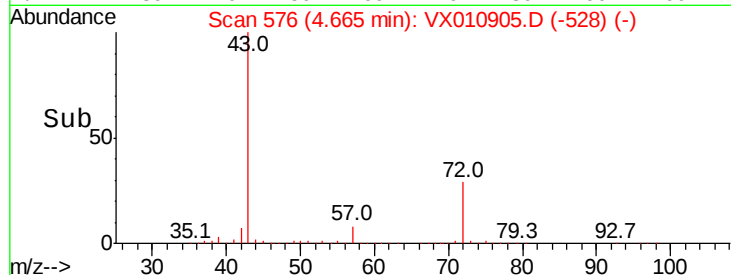
100000

50000

0

4.60 4.65 4.70 4.75 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 52.630 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010905.D

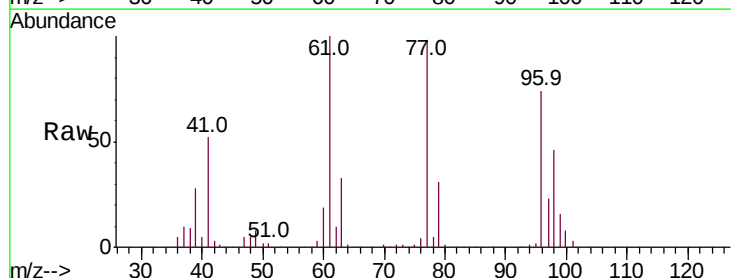
Acq: 16 Jul 2019 13:33

Tgt Ion: 77 Resp: 168890

Ion Ratio Lower Upper

77 100

97 24.0 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

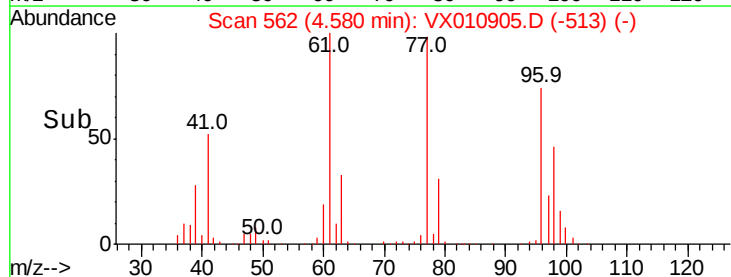
20000

10000

0

4.40 4.45 4.50 4.55 4.60 4.65 4.70

Time-->





#27

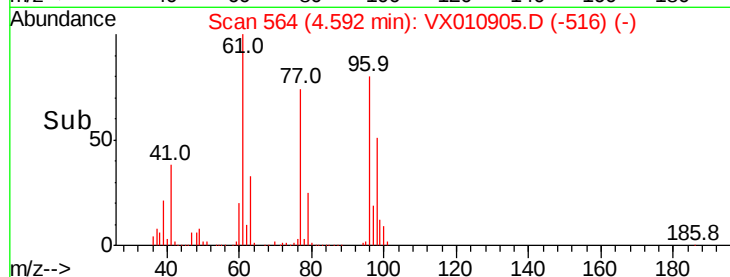
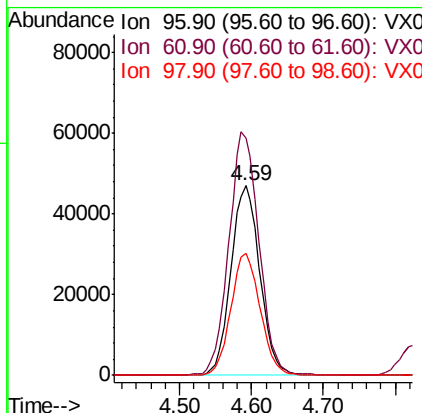
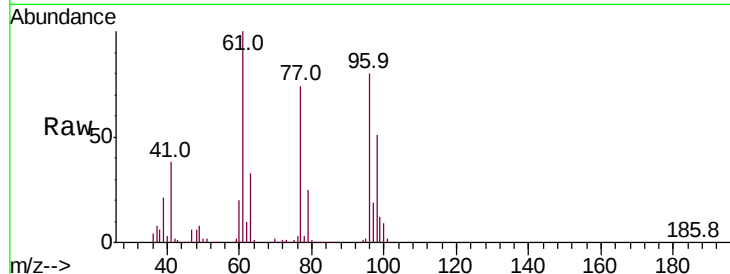
cis-1,2-Dichloroethene
Concen: 48.818 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.4	0.0	269.0	
98	65.1	0.0	131.4	

Manual Integrations
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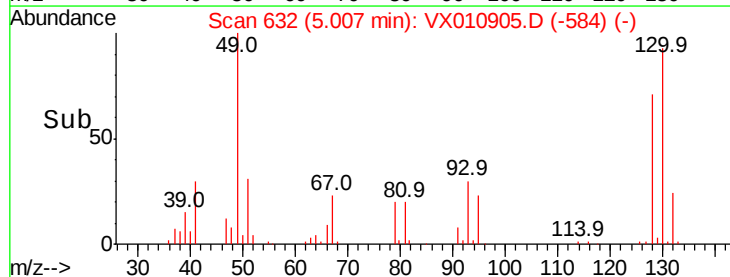
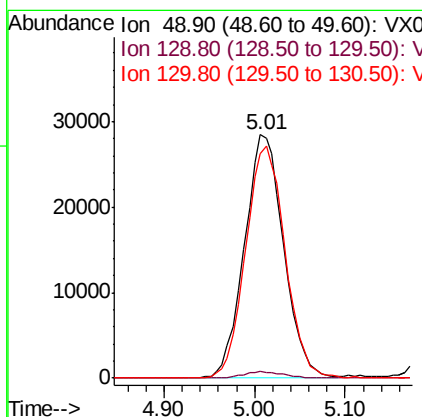
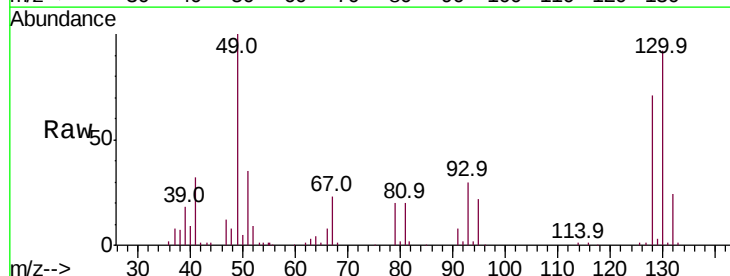
MMDadoda
7/17/2019 10:45:22 AM

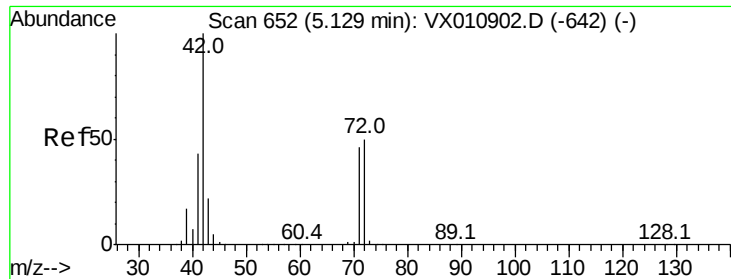


#28

Bromochloromethane
Concen: 46.381 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	5.2	
130	95.3	76.9	115.3	





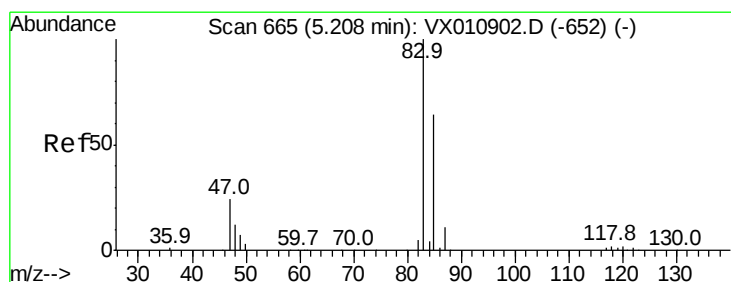
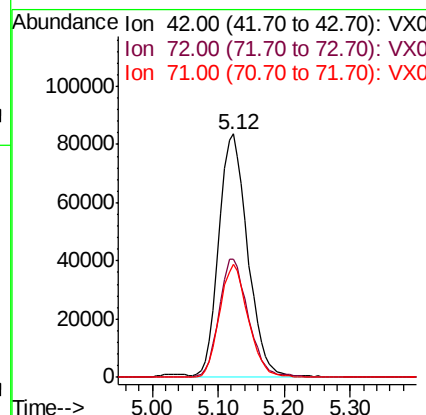
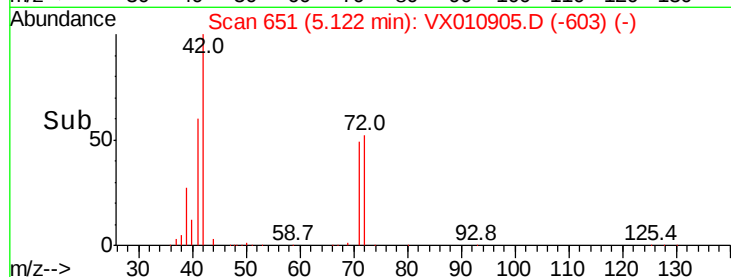
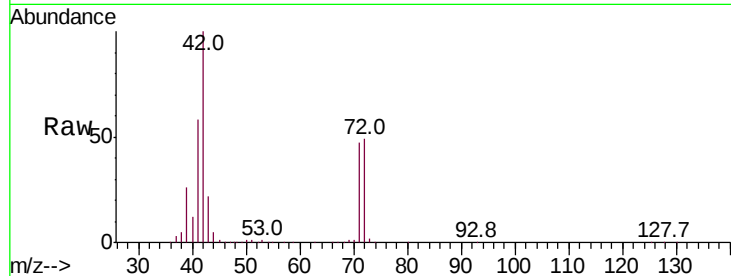
#29
Tetrahydrofuran
Concen: 233.884 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.8	59.8
71	46.0	37.0	55.4

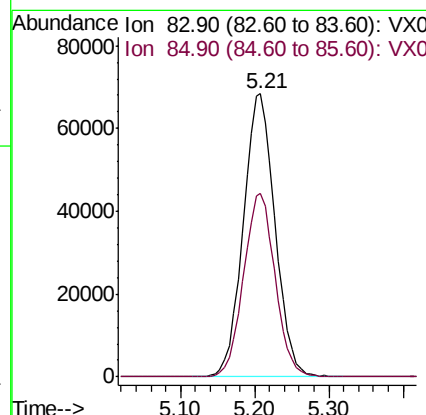
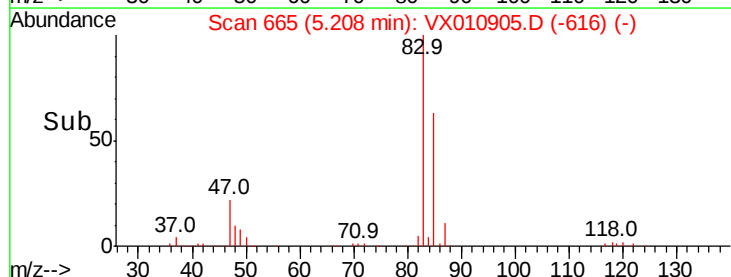
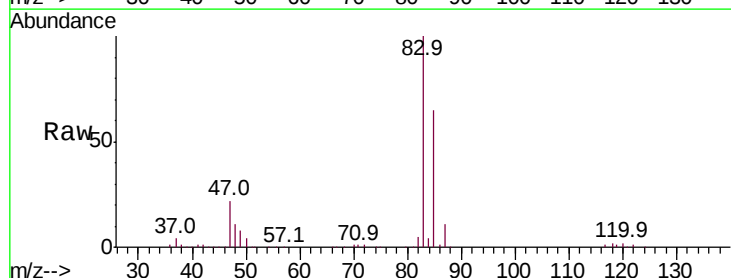
Manual Integrations
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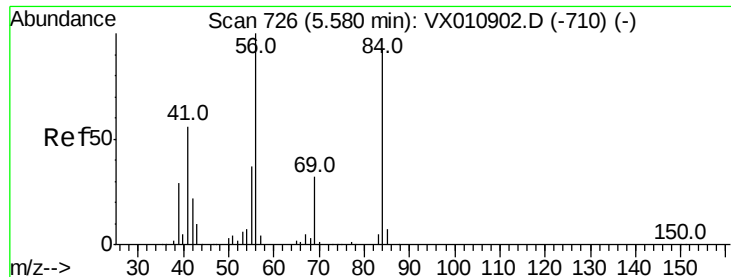
MMDadoda
7/17/2019 10:45:22 AM



#30
Chloroform
Concen: 48.331 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0





#31

Cyclohexane

Concen: 50.345 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion: 56 Resp: 179346

Ion Ratio Lower Upper

56 100

69 32.3 25.8 38.8

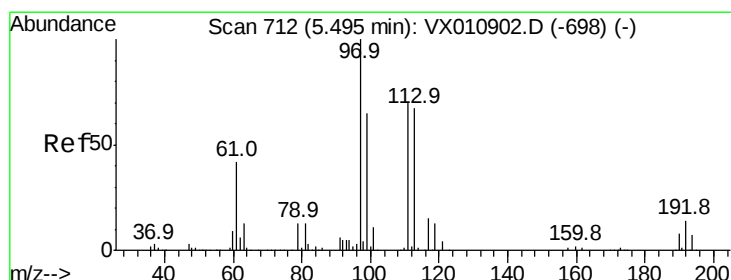
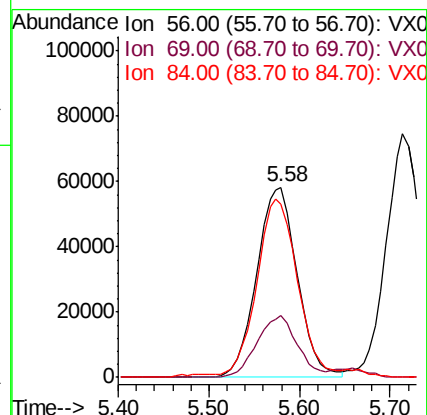
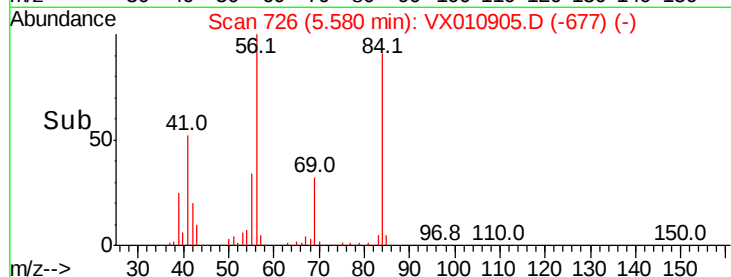
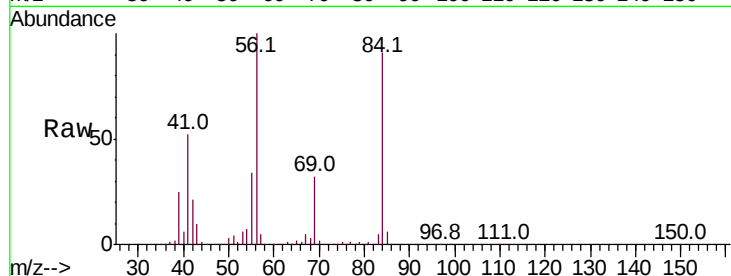
84 89.5 73.8 110.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 50.225 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

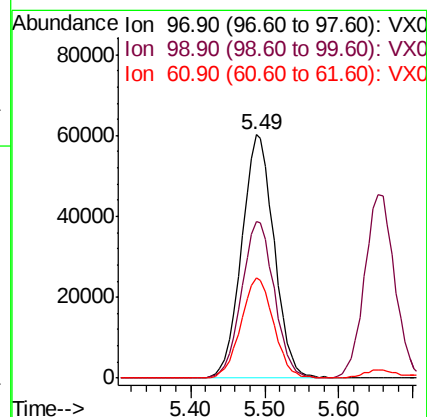
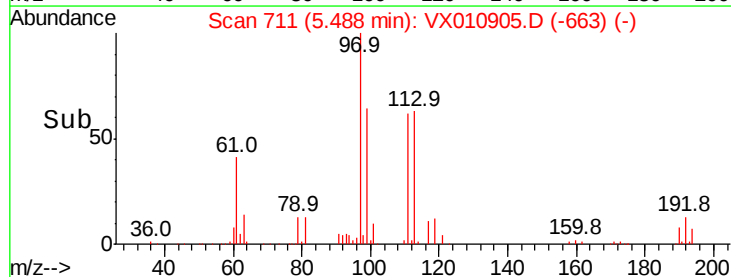
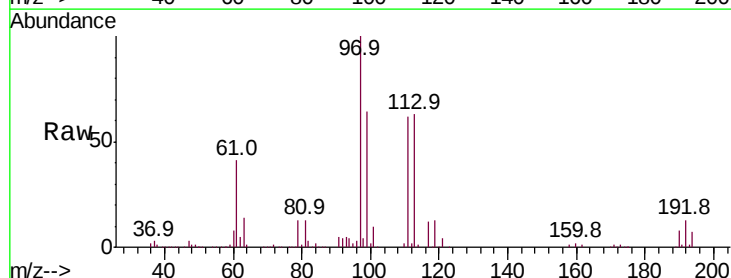
Tgt Ion: 97 Resp: 183560

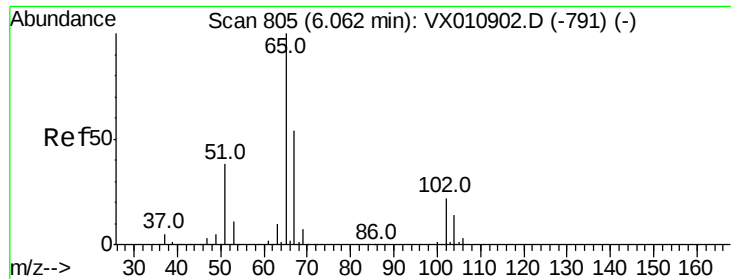
Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.0

61 41.8 33.0 49.6





#33

1,2-Dichloroethane-d4

Concen: 46.937 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion: 65 Resp: 123146

Ion Ratio Lower Upper

65 100

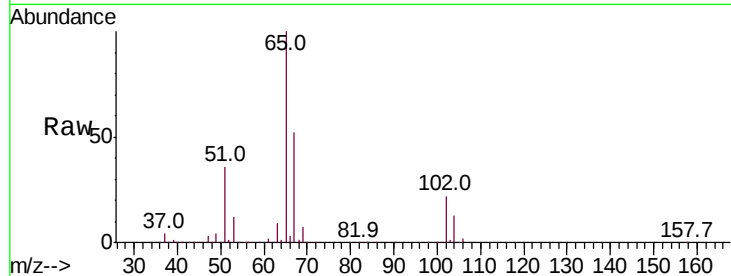
67 53.1 0.0 107.8

Manual Integrations

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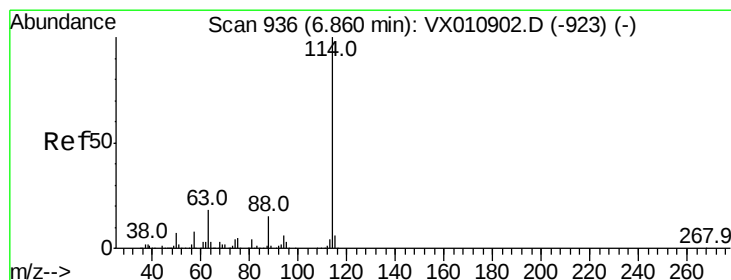
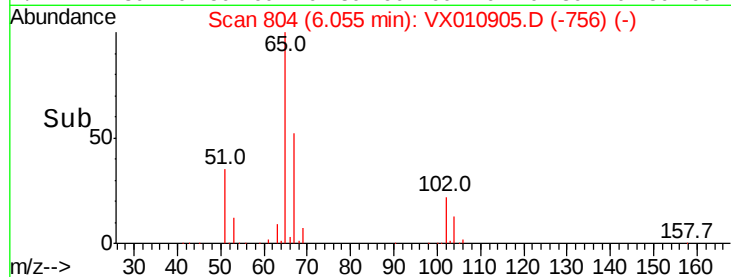
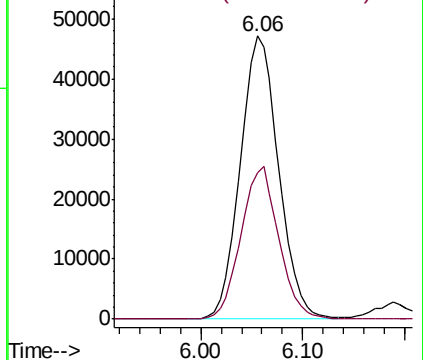
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

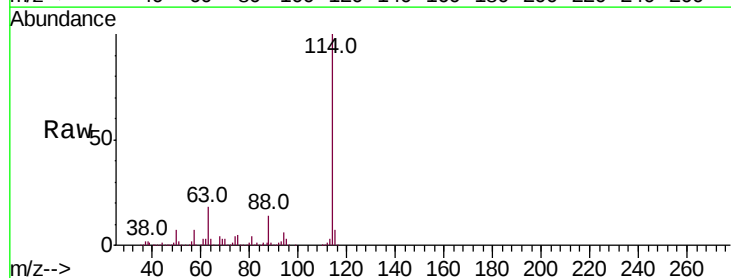
Tgt Ion:114 Resp: 360770

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

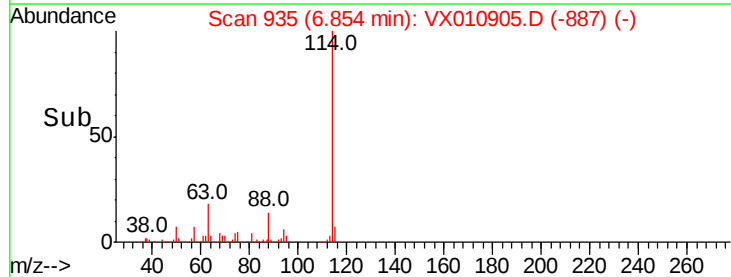
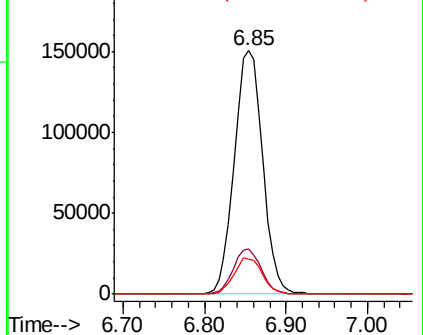
88 14.3 0.0 29.8

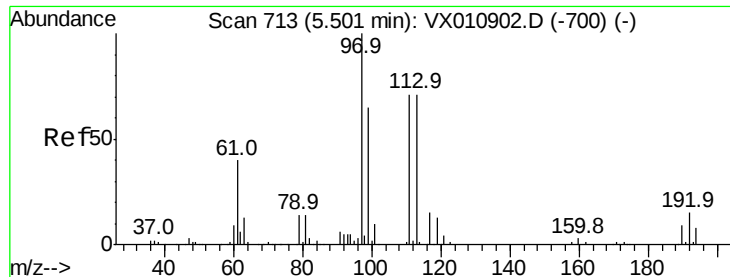


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.370 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

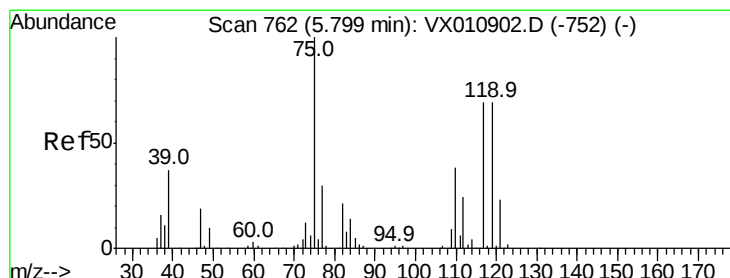
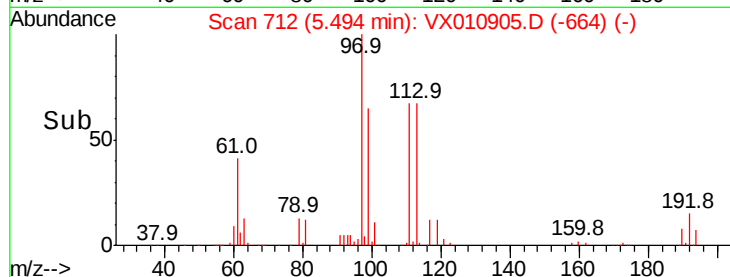
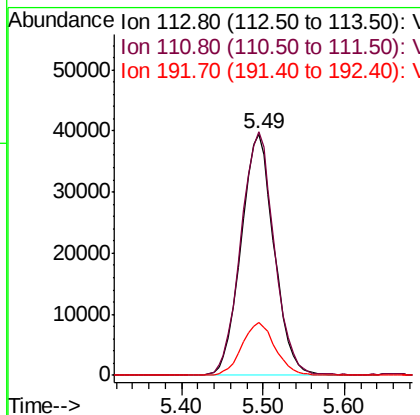
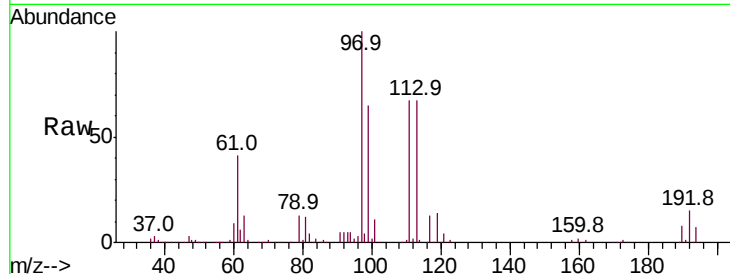
ClientSampleId :

ICVVX071619

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110761		
111	102.7	82.3	123.5	
192	22.2	17.4	26.2	

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#36

1,1-Dichloropropene

Concen: 51.781 ug/l

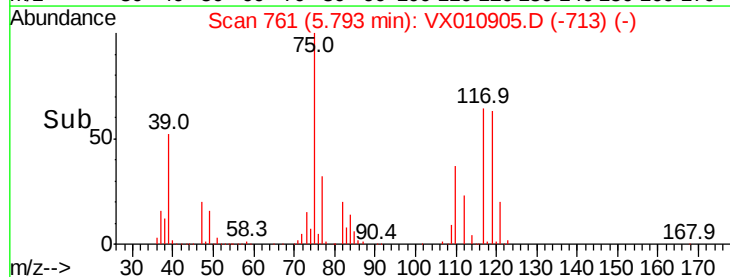
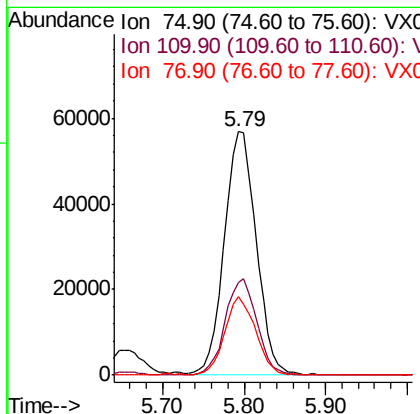
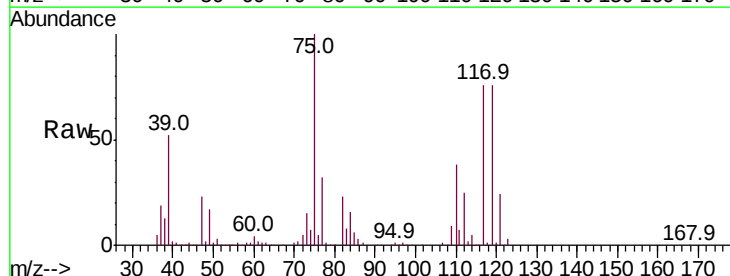
RT: 5.79 min Scan# 761

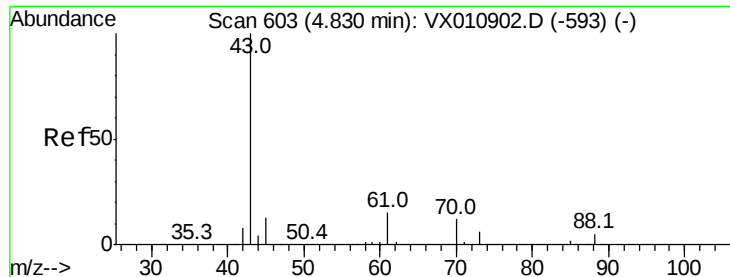
Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	153449		
110	39.3	19.9	59.7	
77	31.3	25.0	37.4	





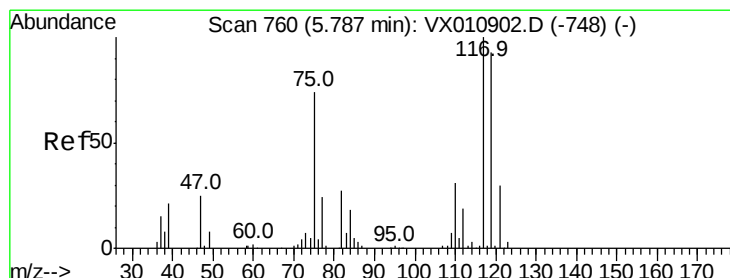
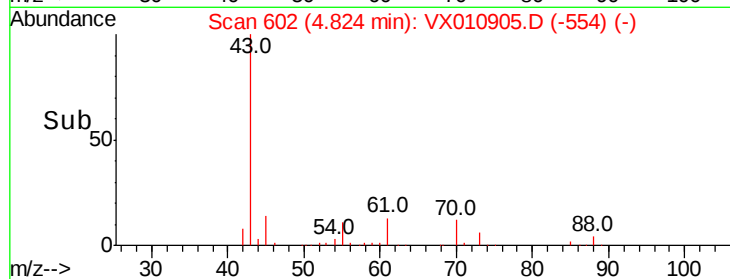
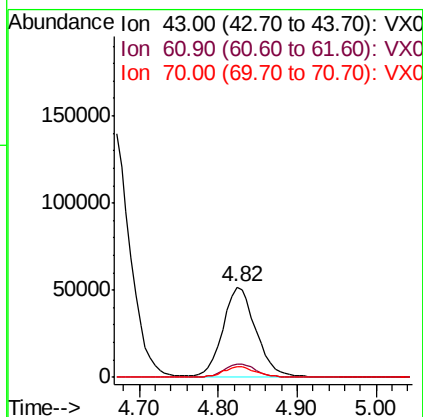
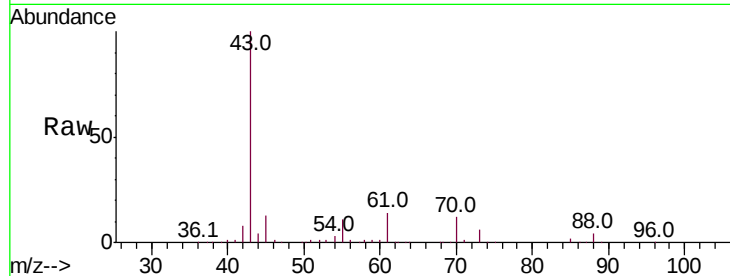
#37
Ethyl Acetate
Concen: 49.289 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.6	17.4
70	11.9	9.1	13.7

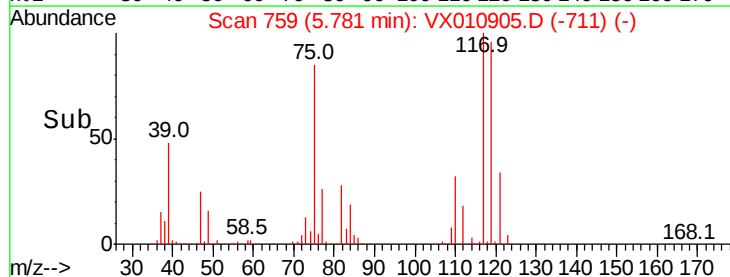
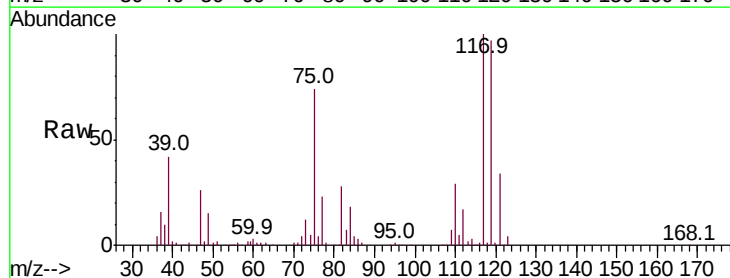
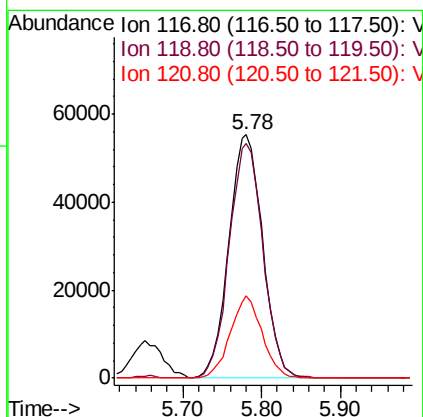
Manual Integrations
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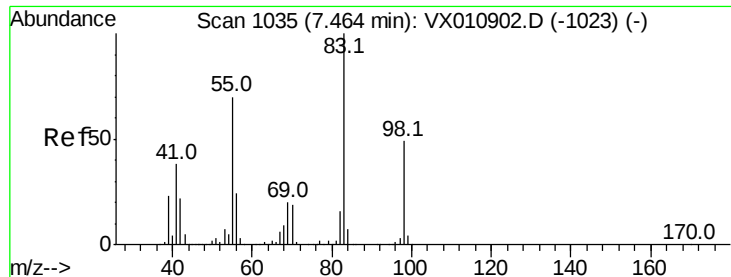
MMDadoda
7/17/2019 10:45:22 AM



#38
Carbon Tetrachloride
Concen: 53.385 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.2	111.2
121	33.9	24.2	36.2





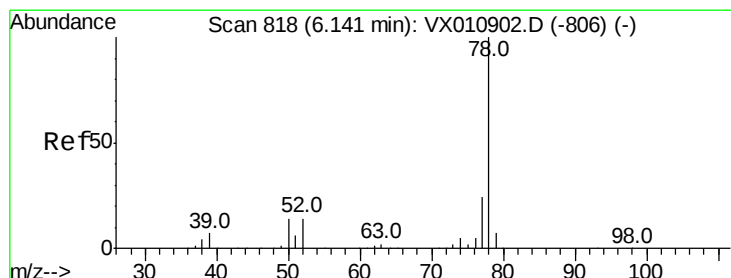
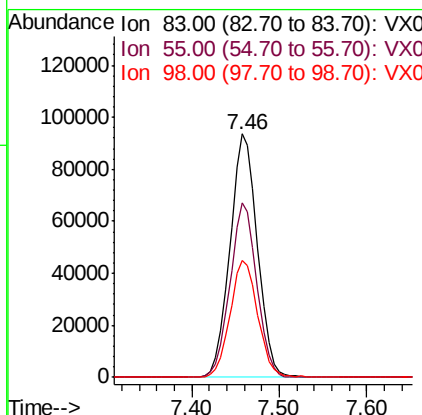
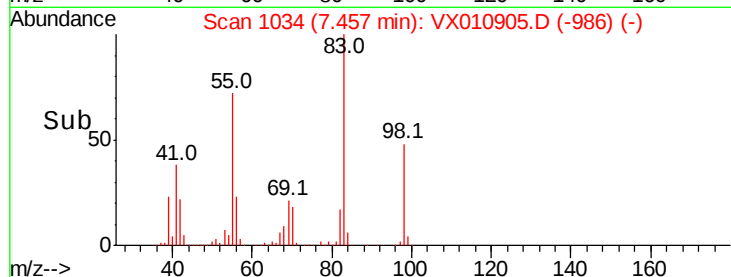
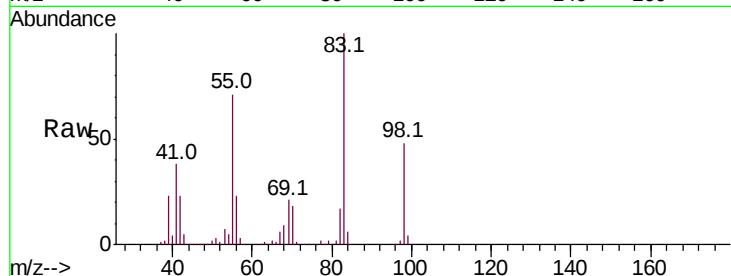
#39
Methvlcvclohexane
Concen: 53.064 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	56.2	84.4
98	47.9	39.0	58.4

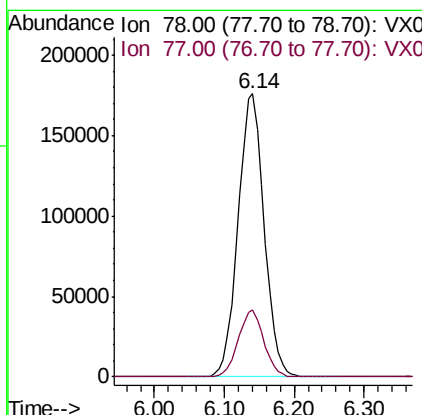
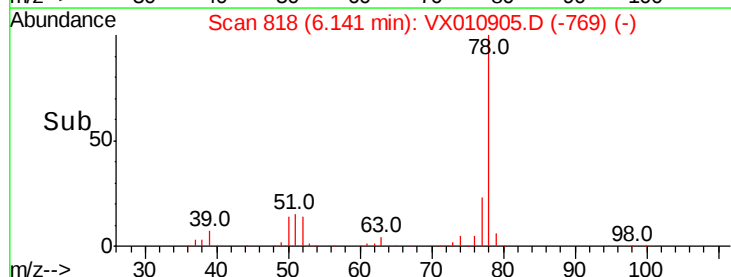
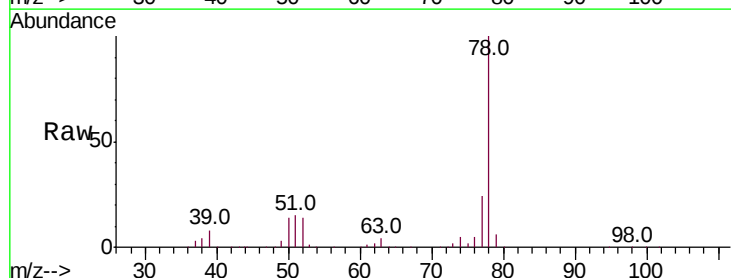
Manual Integrations
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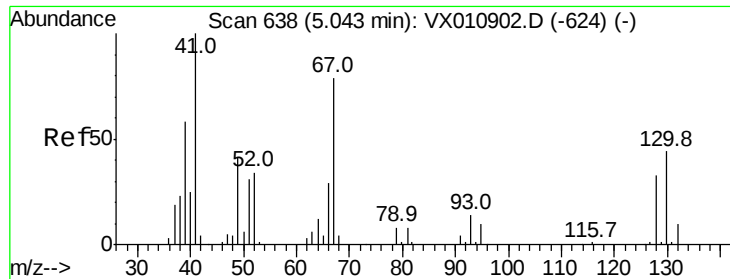
MMDadoda
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#40
Benzene
Concen: 50.130 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41

Methacrylonitrile

Concen: 46.372 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion: 41 Resp: 79879

Ion Ratio Lower Upper

41 100

39 57.2 45.4 68.2

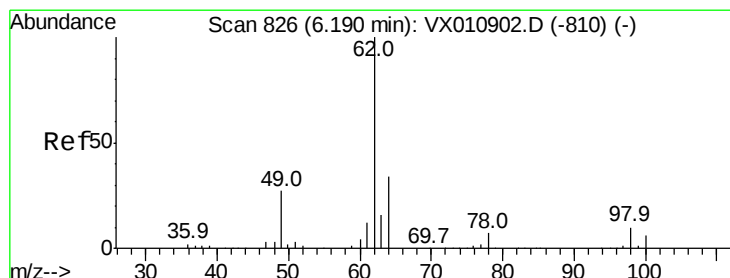
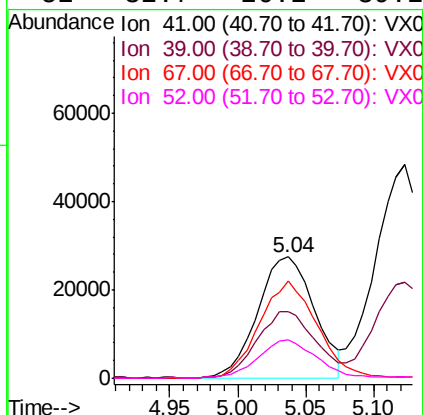
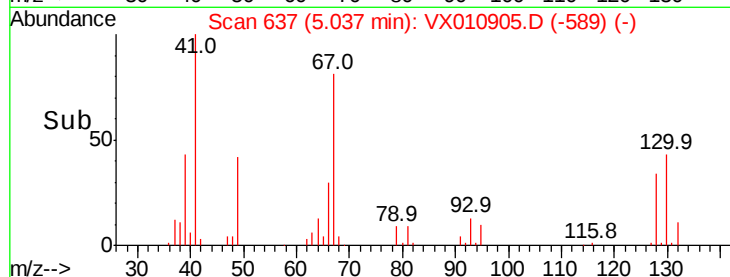
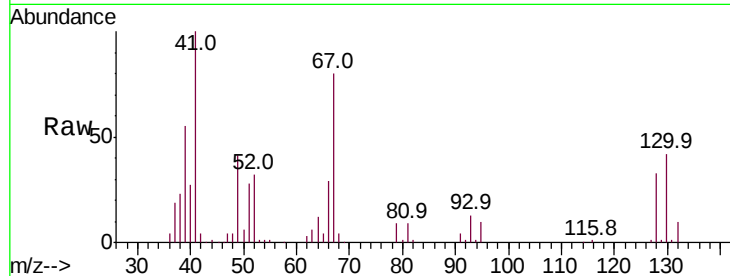
67 81.8 65.9 98.9

52 32.7 26.2 39.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.547 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX010905.D

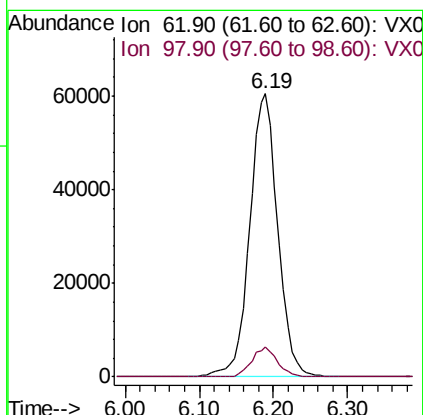
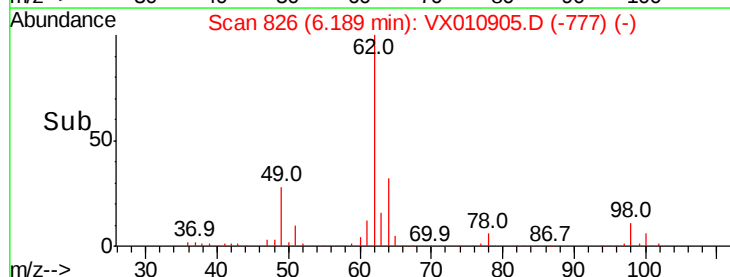
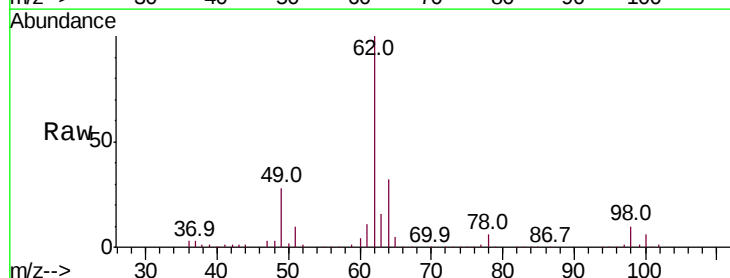
Acq: 16 Jul 2019 13:33

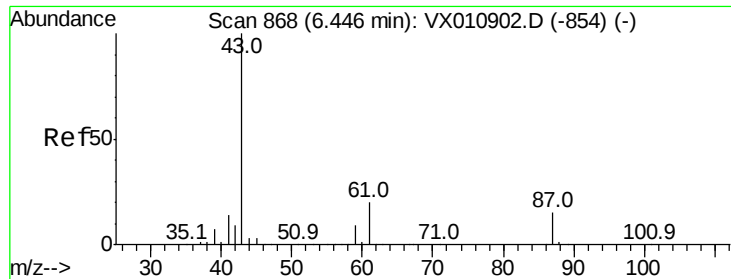
Tgt Ion: 62 Resp: 159536

Ion Ratio Lower Upper

62 100

98 9.6 0.0 20.0





#43

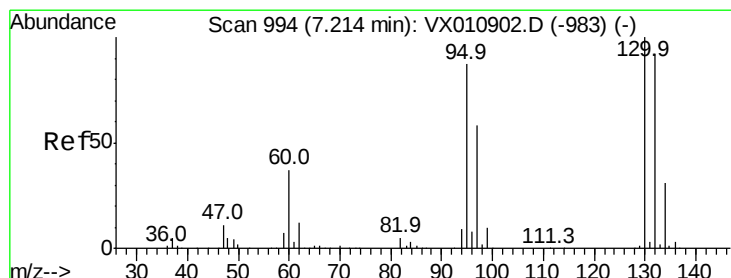
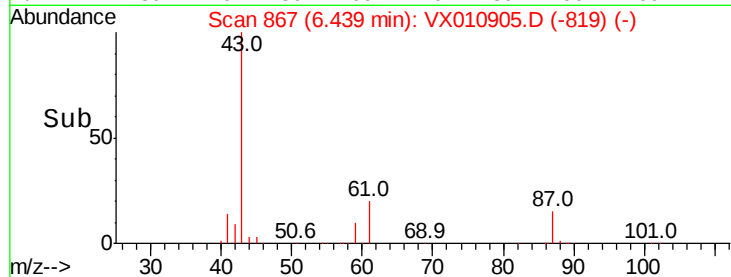
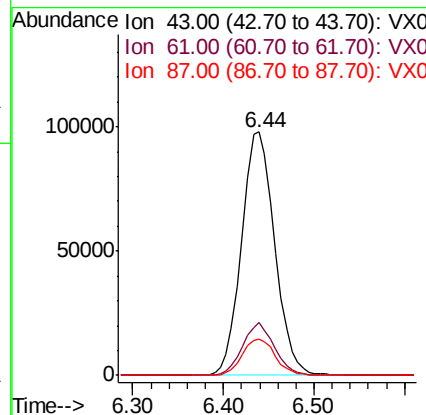
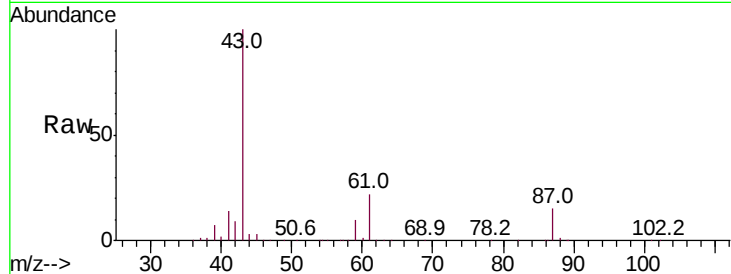
Isopropyl Acetate
 Concen: 49.521 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071619

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.1	25.7
87	14.9	12.0	18.0

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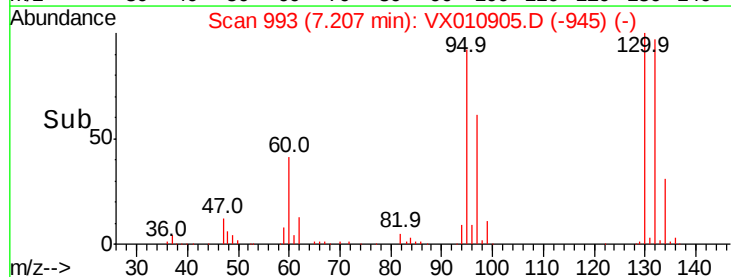
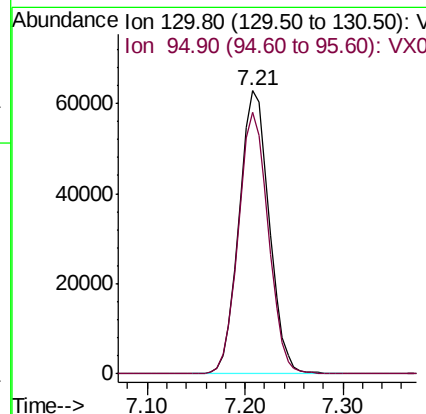
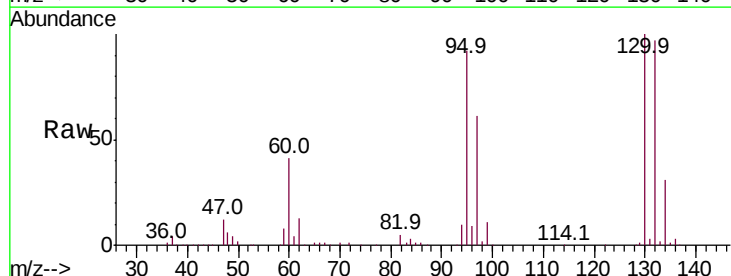
MMDadoda
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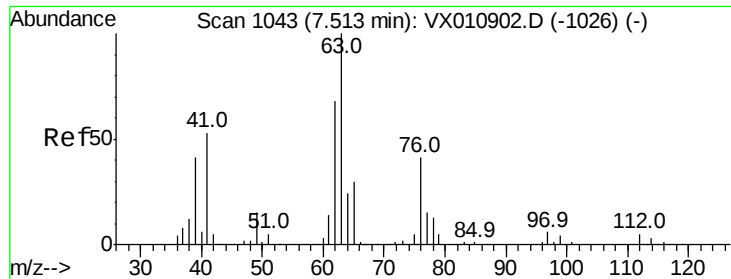


#44

Trichloroethene
 Concen: 50.179 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	174.8





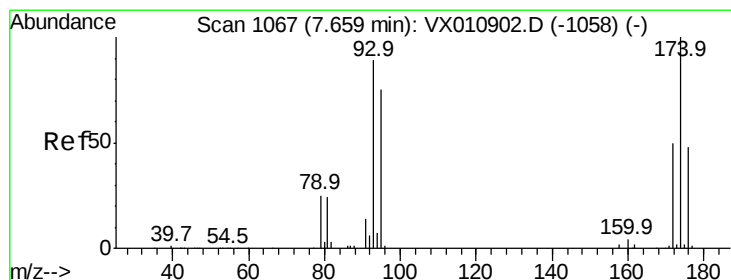
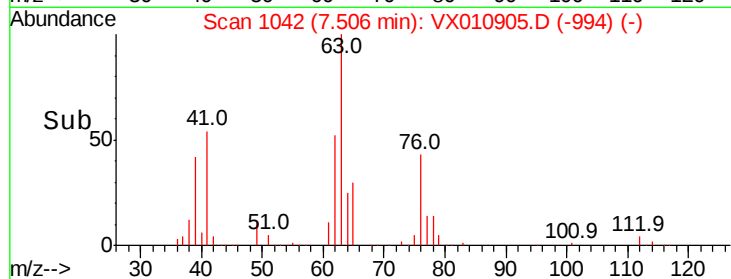
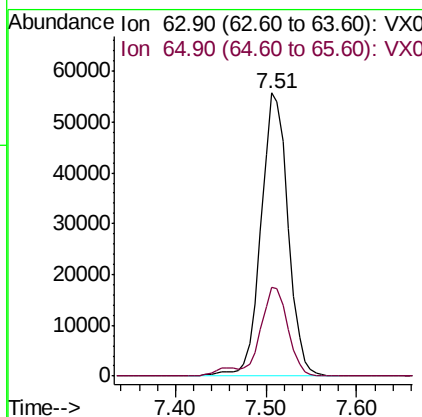
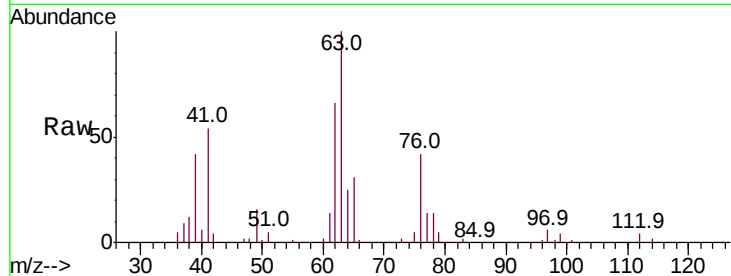
#45
 1,2-Dichloropropane
 Concen: 49.740 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071619

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.4	36.6

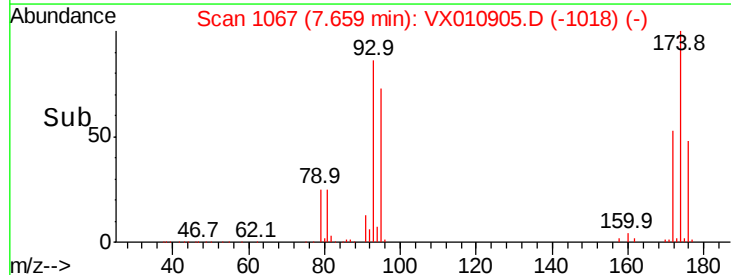
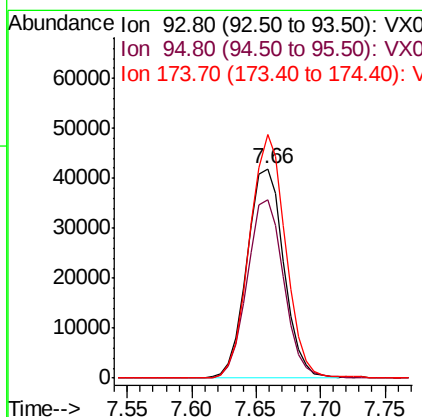
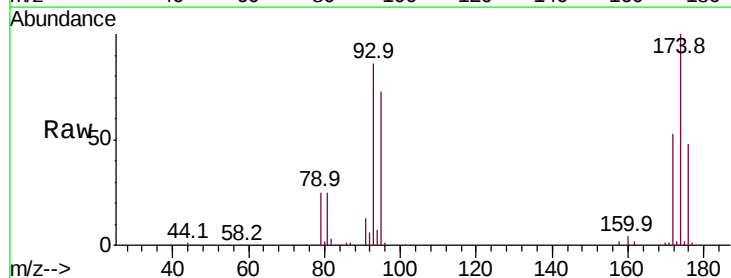
Manual Integrations
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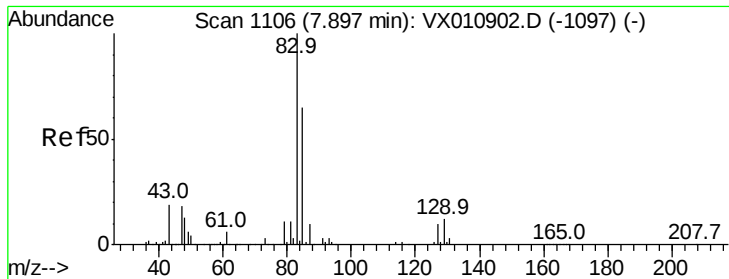
MMDadoda
 7/17/2019 10:45:22 AM



#46
 Dibromomethane
 Concen: 50.252 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	67.2	100.8
174	113.8	90.6	135.8





#47

Bromodichloromethane

Concen: 53.587 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

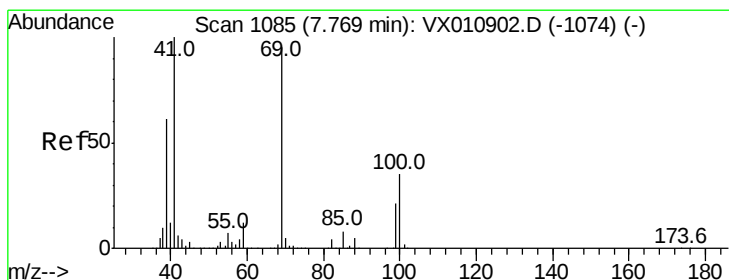
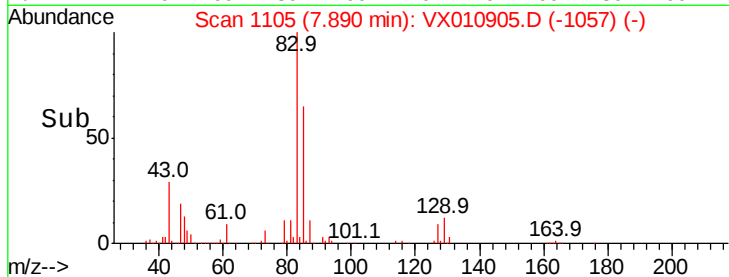
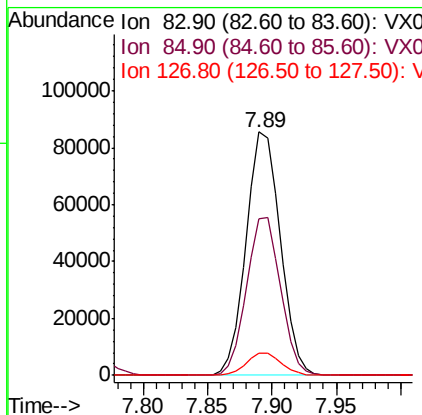
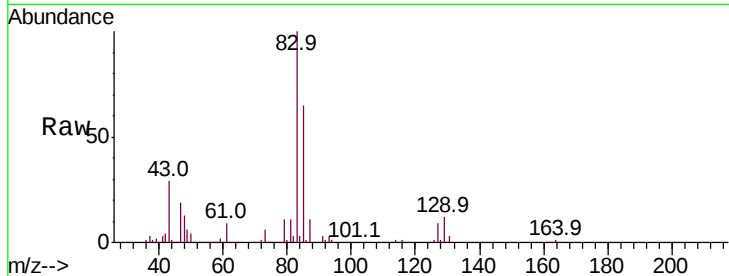
ClientSampleId :

ICVX071619

Tot Ion:	83	Resp:	157480
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7
127	9.3	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.299 ug/l

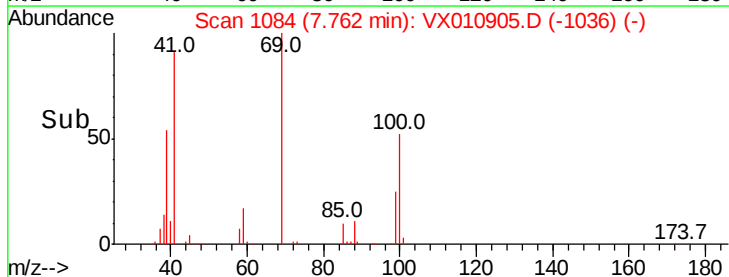
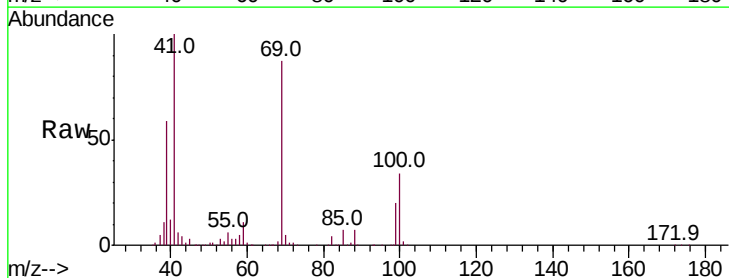
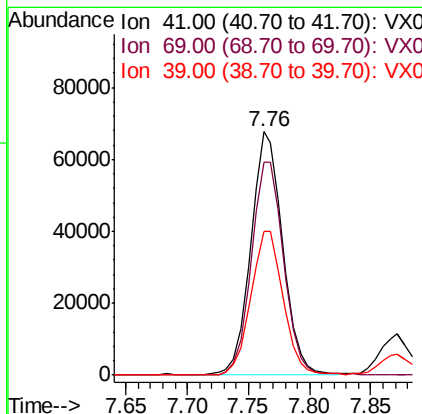
RT: 7.76 min Scan# 1084

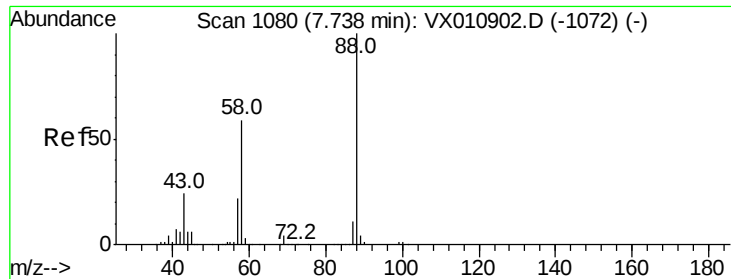
Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Tgt Ion:	41	Resp:	122259
Ion	Ratio	Lower	Upper
41	100		
69	89.9	74.4	111.6
39	60.2	48.9	73.3





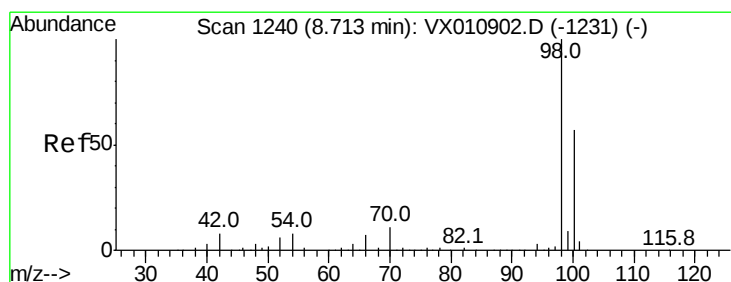
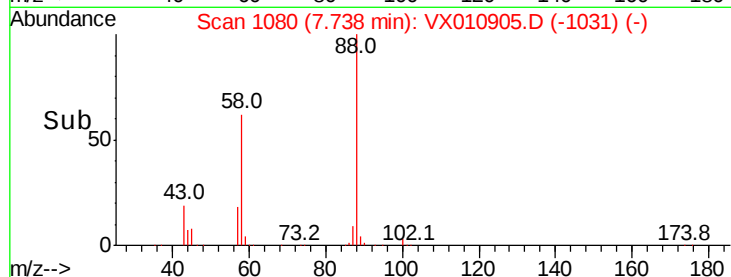
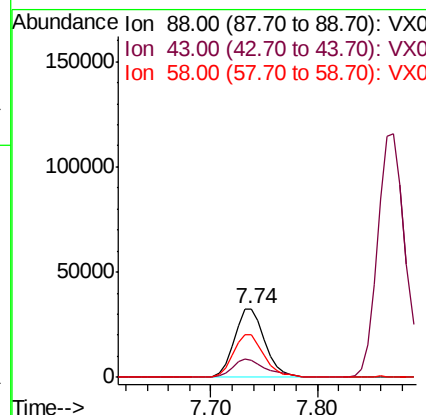
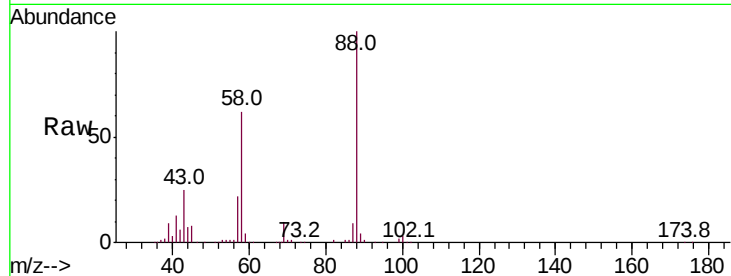
#49
1,4-Dioxane
Concen: 961.922 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	22.9	34.3
58	62.5	49.8	74.8

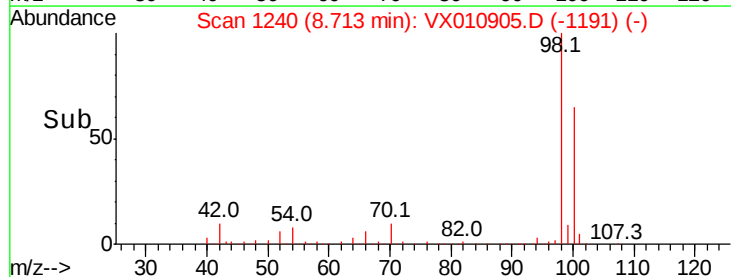
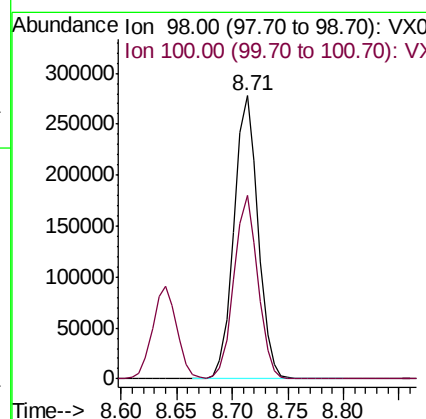
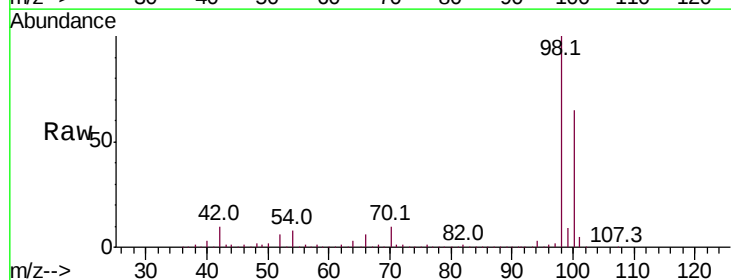
Manual Integrations
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MMDadoda
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#50
Toluene-d8
Concen: 48.311 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 246.698 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampled :

ICVVX071619

Tot Ion: 43 Resp: 797920

Ion Ratio Lower Upper

43 100

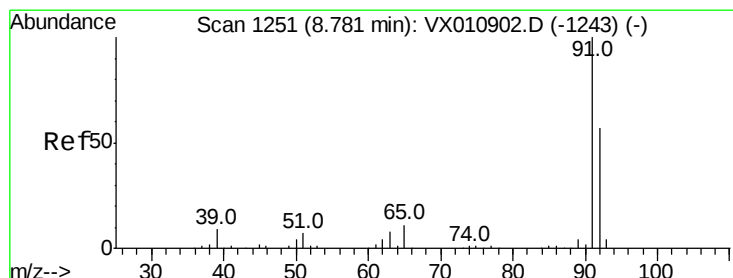
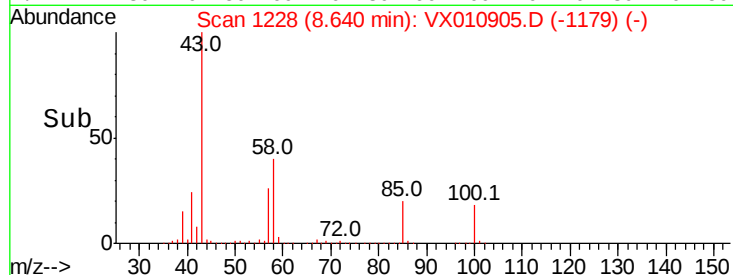
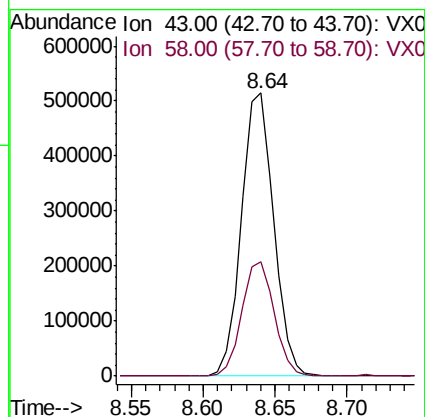
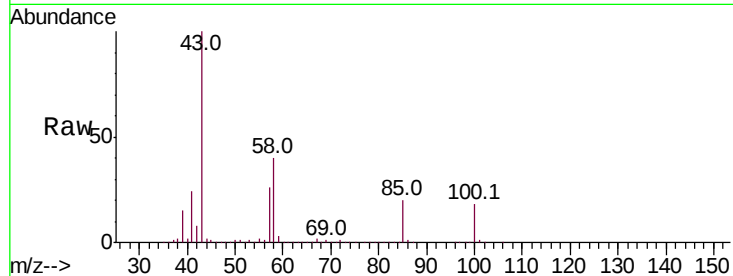
58 40.4 32.2 48.4

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#52

Toluene

Concen: 50.258 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010905.D

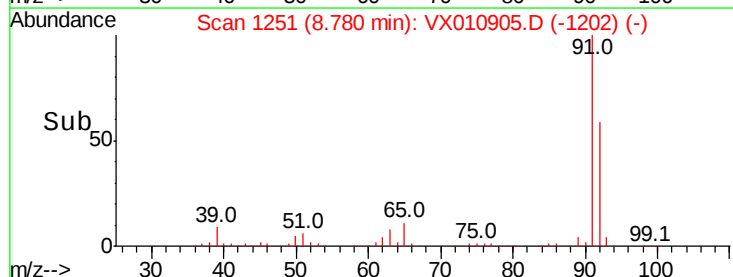
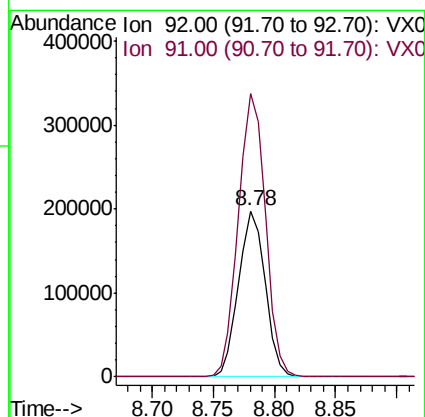
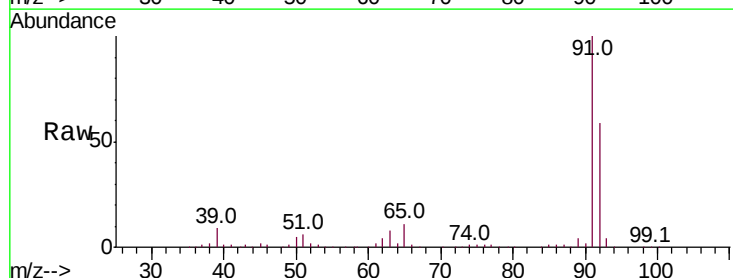
Acq: 16 Jul 2019 13:33

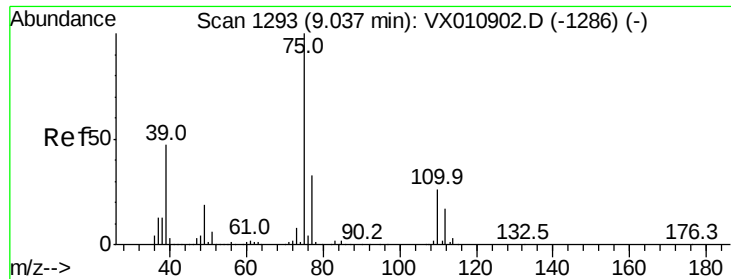
Tgt Ion: 92 Resp: 299700

Ion Ratio Lower Upper

92 100

91 173.4 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 54.742 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampled :

ICVVX071619

Tot Ion: 75 Resp: 172983

Ion Ratio Lower Upper

75 100

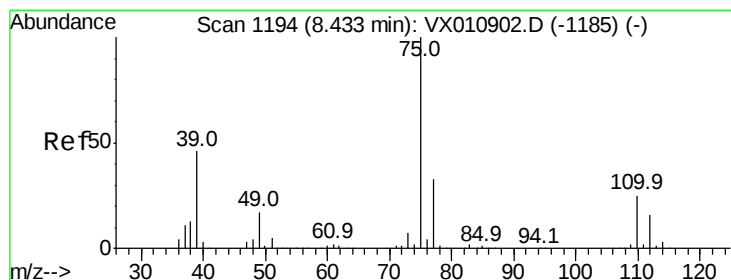
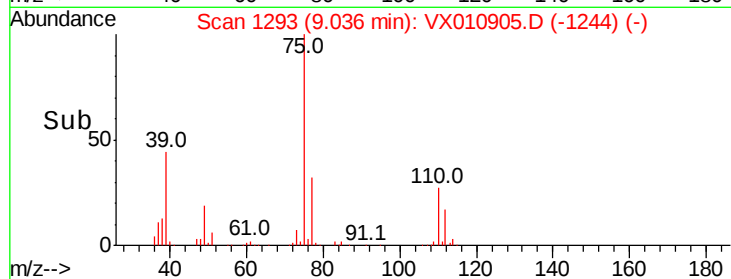
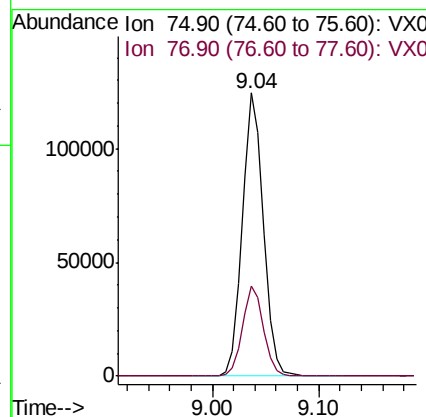
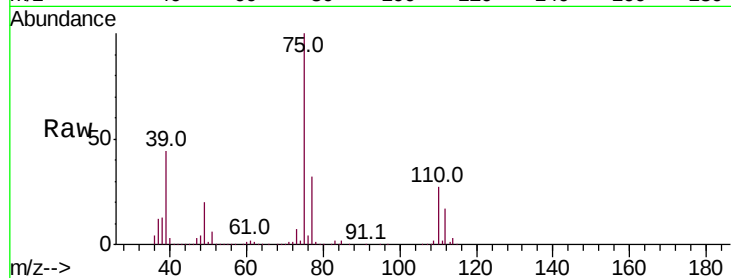
77 31.8 26.2 39.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 53.680 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

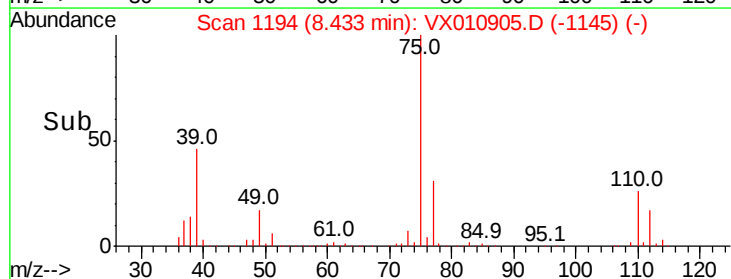
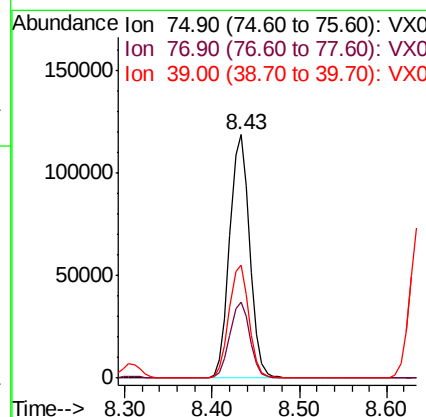
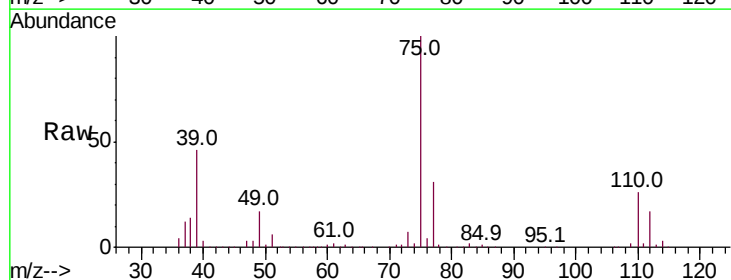
Tgt Ion: 75 Resp: 188748

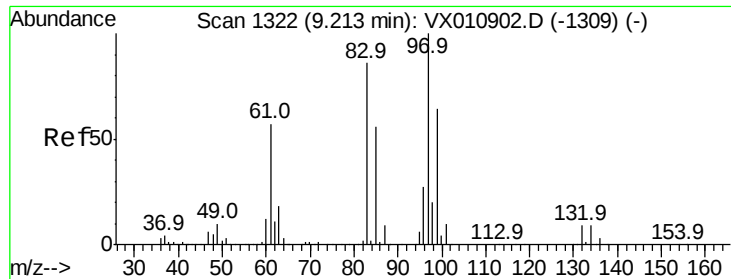
Ion Ratio Lower Upper

75 100

77 31.2 26.1 39.1

39 46.2 36.6 54.8





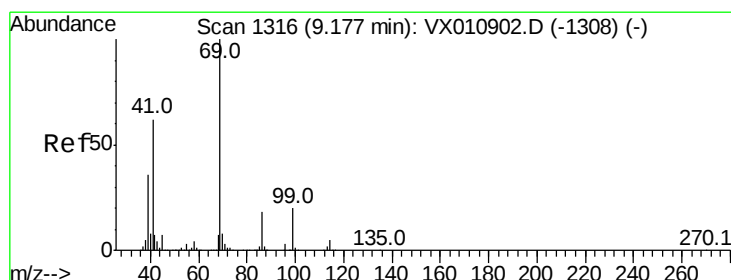
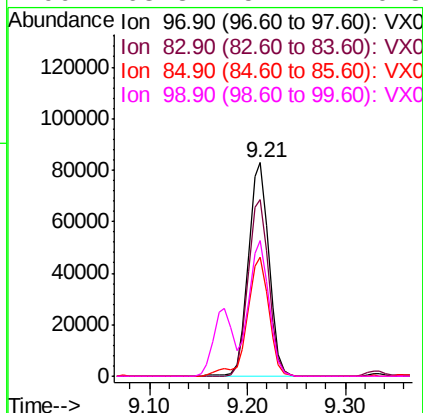
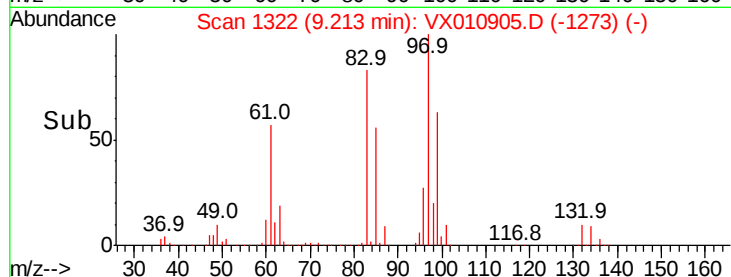
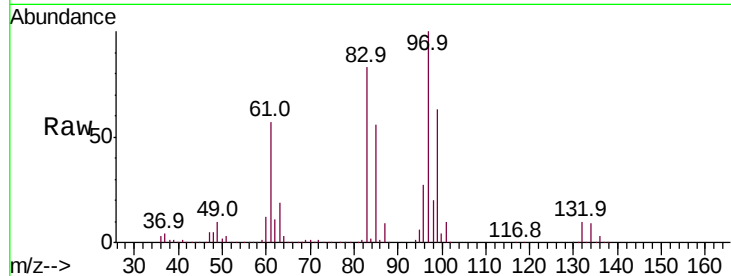
#55
 1,1,2-Trichloroethane
 Concen: 49.322 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		121104		
83	83.0	69.2	103.8		
85	55.5	44.6	66.8		
99	63.3	51.2	76.8		

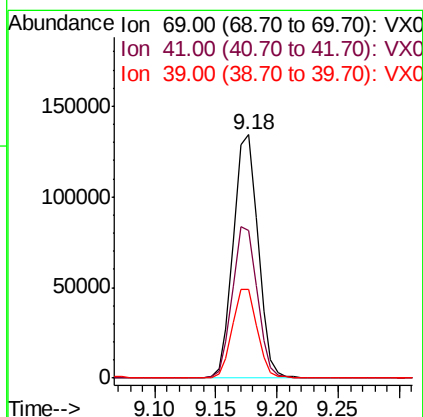
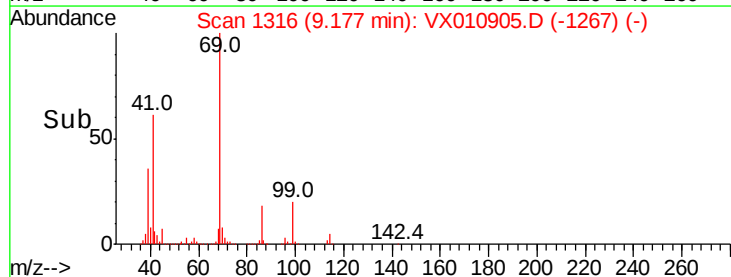
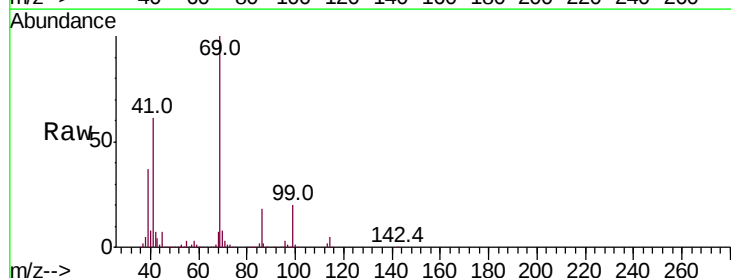
Manual Integrations
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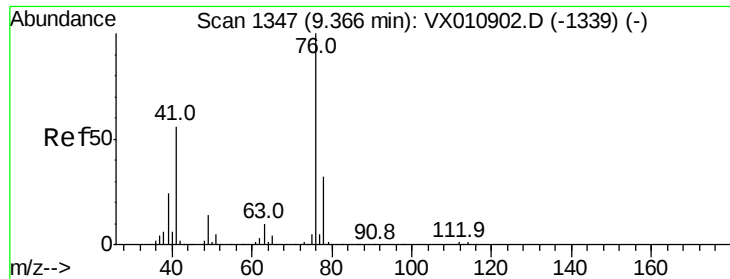
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#56
 Ethyl methacrylate
 Concen: 52.277 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		187756		
41	62.2	49.7	74.5		
39	36.7	29.6	44.4		





#57

1,3-Dichloropropane

Concen: 49.518 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampled :

ICVVX071619

Tot Ion: 76 Resp: 192876

Ion Ratio Lower Upper

76 100

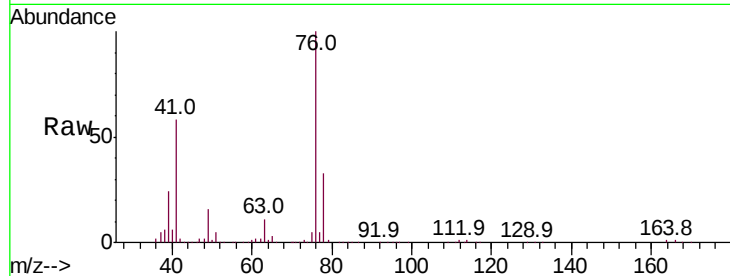
78 33.0 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

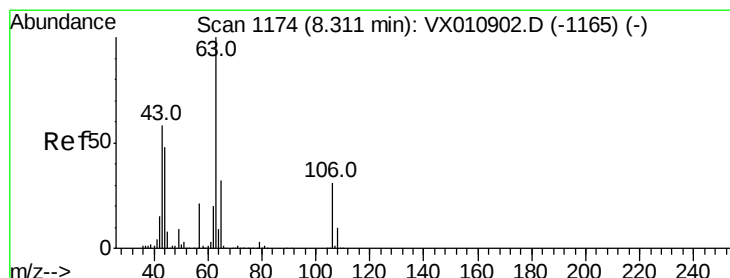
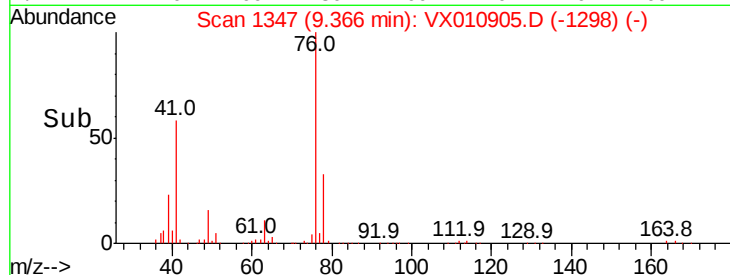
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 283.891 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010905.D

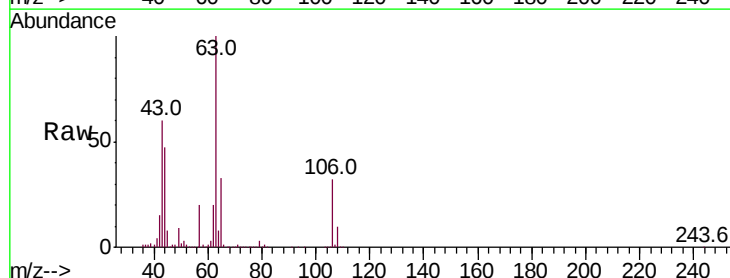
Acq: 16 Jul 2019 13:33

Tgt Ion: 63 Resp: 486728

Ion Ratio Lower Upper

63 100

106 30.6 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

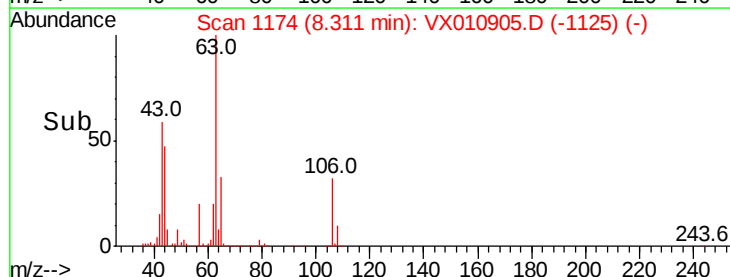
200000

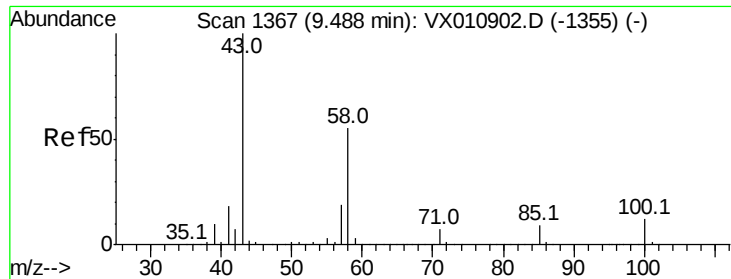
100000

0

8.20 8.25 8.30 8.35 8.40

Time-->





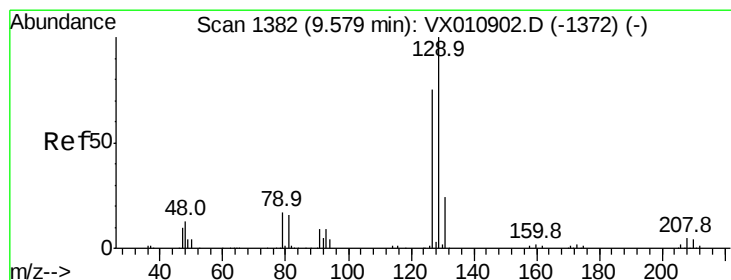
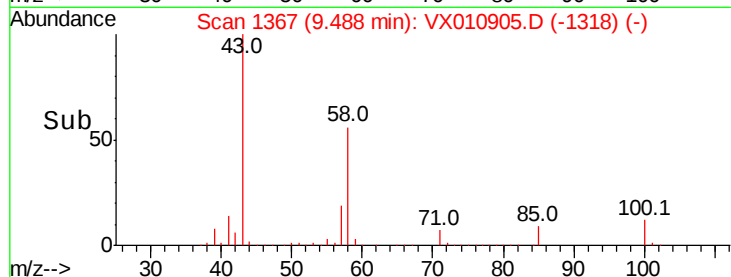
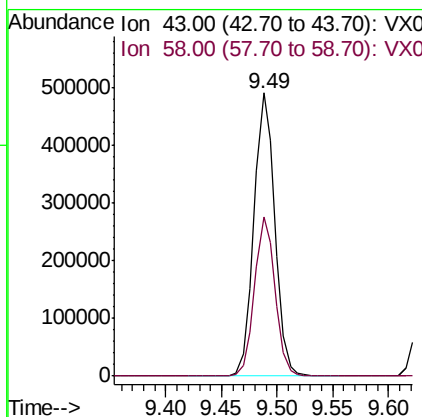
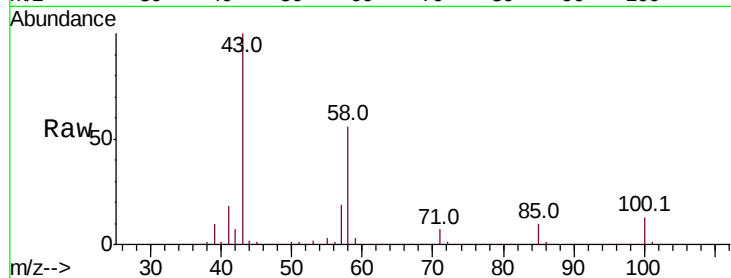
#59
2-Hexanone
Concen: 256.679 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion: 43 Resp: 643918
Ion Ratio Lower Upper
43 100
58 55.7 28.0 83.9

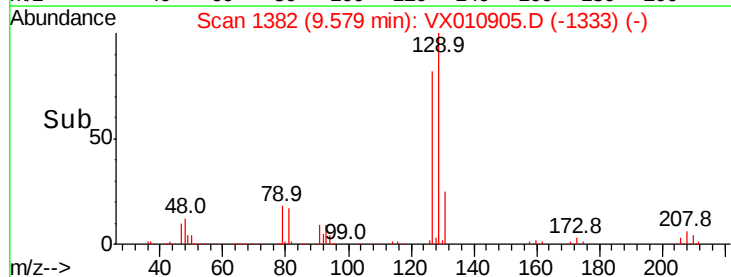
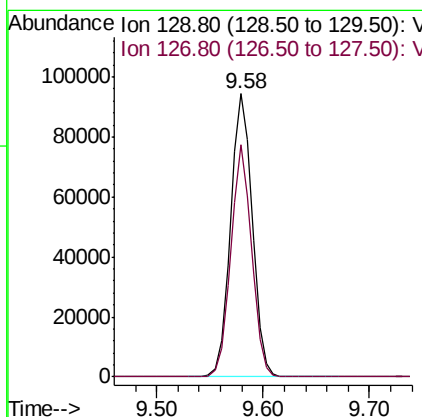
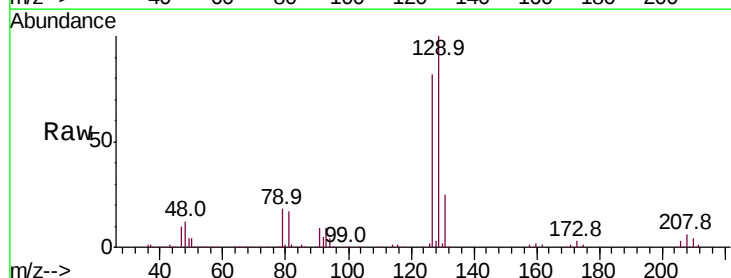
Manual Integrations
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#60
Dibromochloromethane
Concen: 47.997 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion: 129 Resp: 135329
Ion Ratio Lower Upper
129 100
127 78.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.546 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

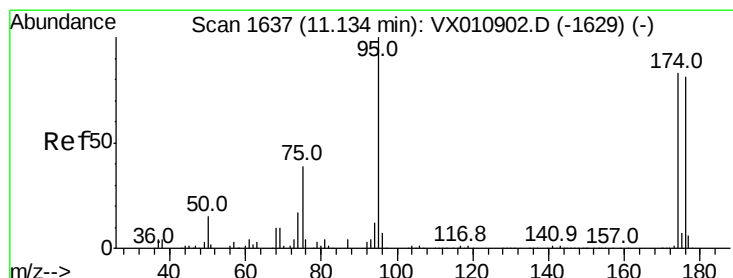
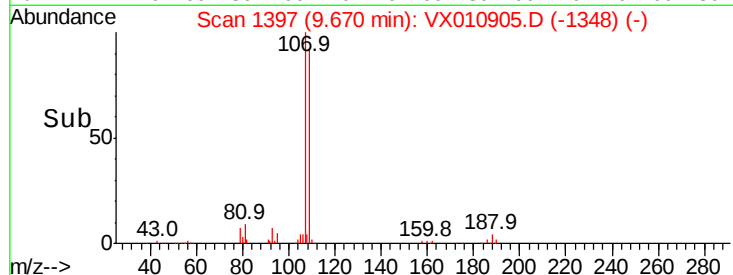
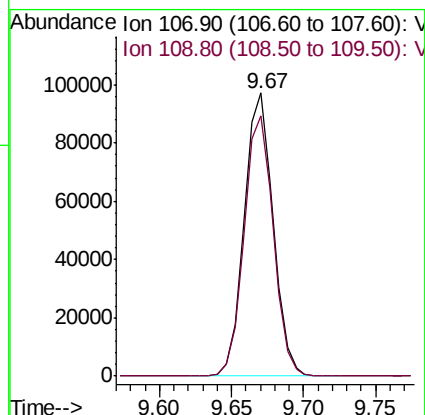
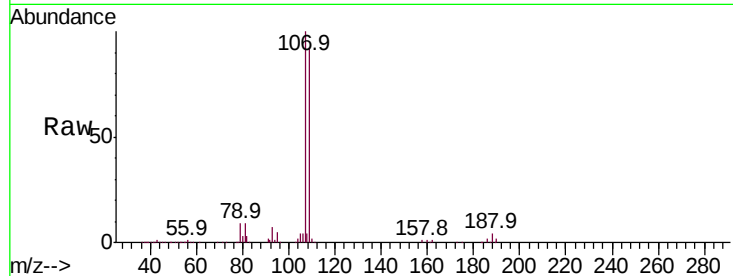
ClientSampleId :

ICVVX071619

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.4	113.0

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#62

4-Bromofluorobenzene

Concen: 50.925 ug/l

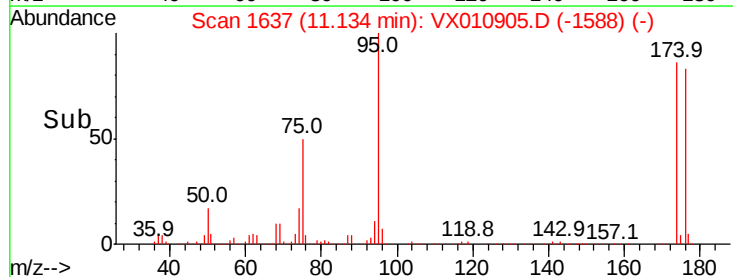
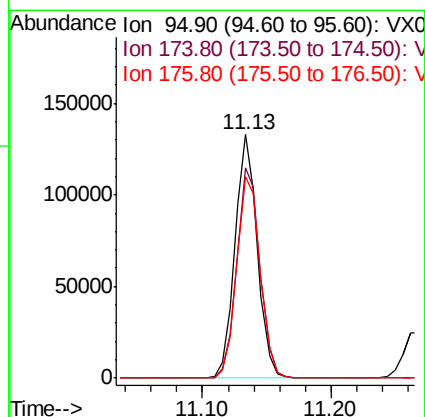
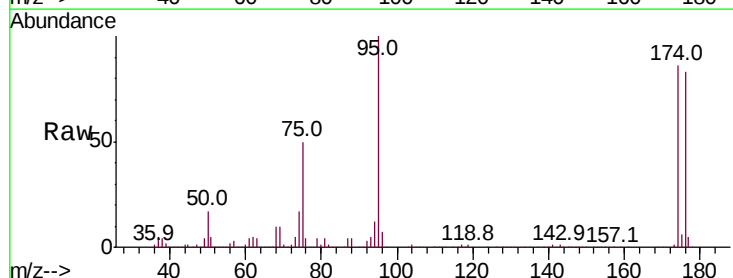
RT: 11.13 min Scan# 1637

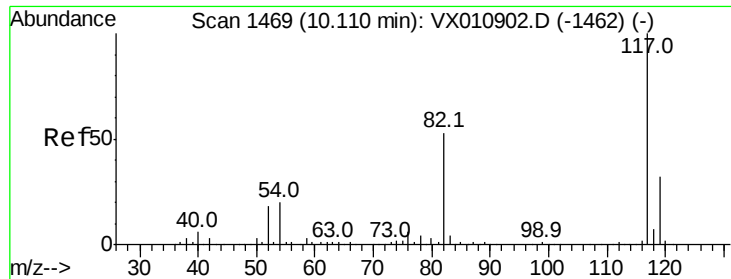
Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	180.6
176	87.0	0.0	173.8





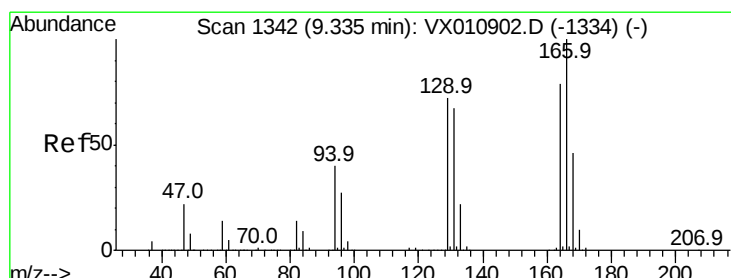
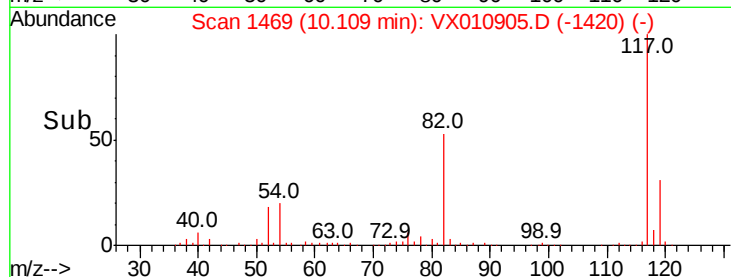
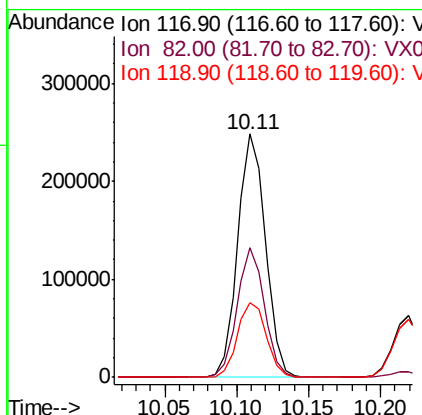
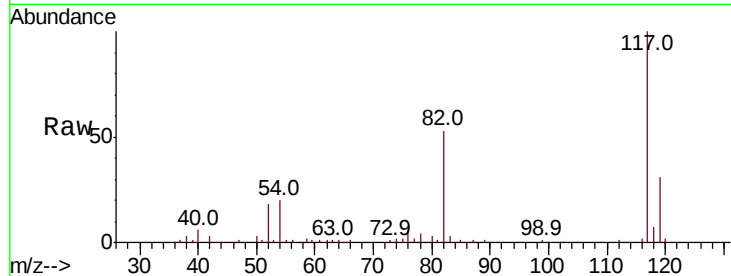
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion	Ratio	Resp	Lower	Upper
117	100	333397		
82	53.3	42.6	63.8	
119	30.6	25.9	38.9	

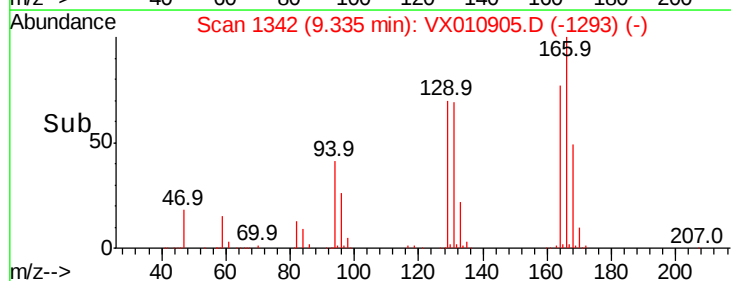
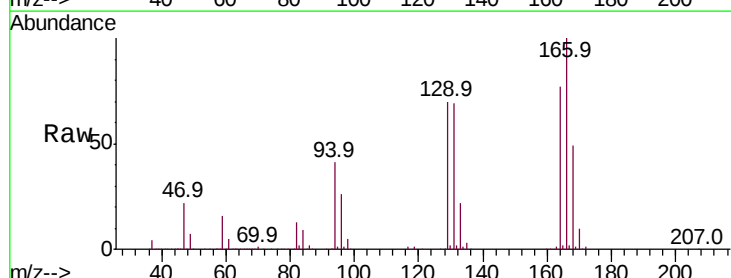
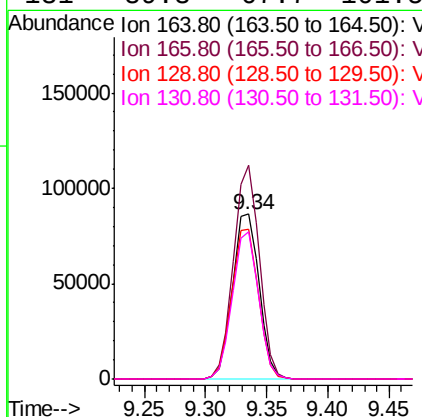
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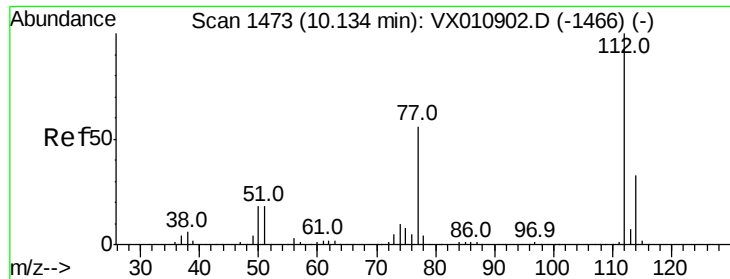
MMDadoda
7/17/2019 10:45:22 AM



#64
Tetrachloroethene
Concen: 49.546 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129947		
166	129.8	100.8	151.2	
129	90.9	72.6	109.0	
131	89.3	67.7	101.5	





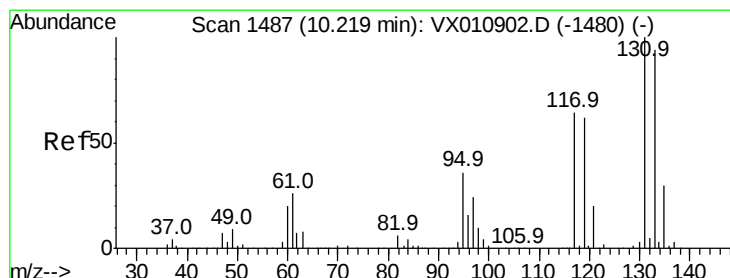
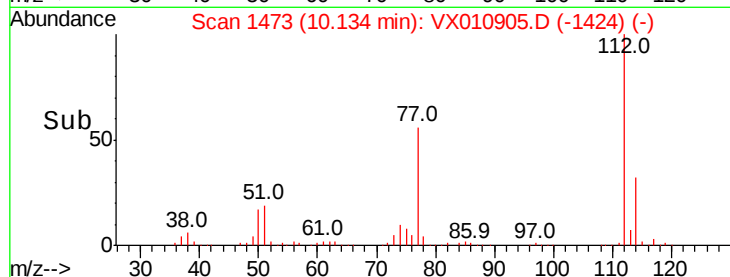
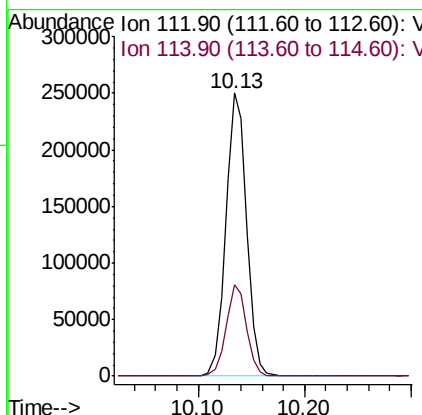
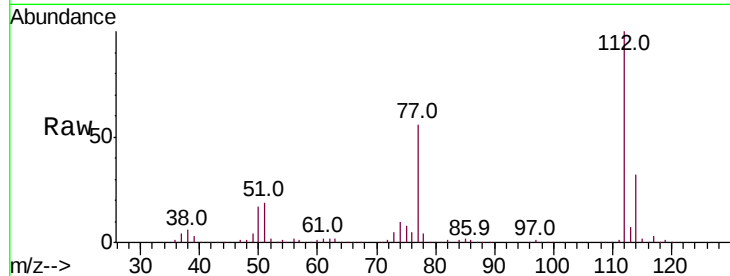
#65
Chlorobenzene
Concen: 49.576 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion:112 Resp: 339482
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.4

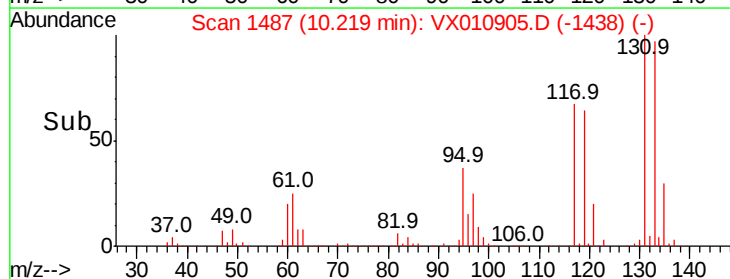
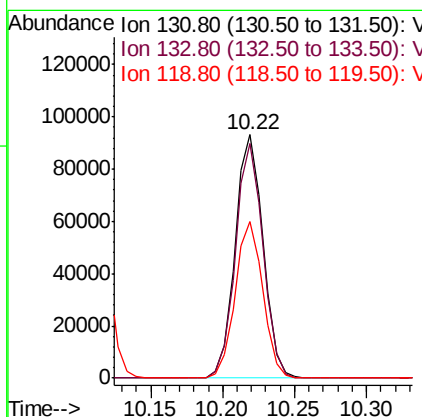
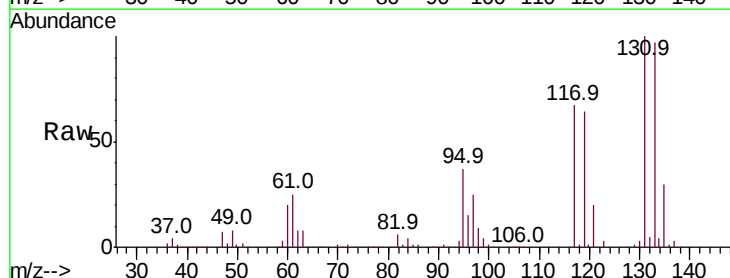
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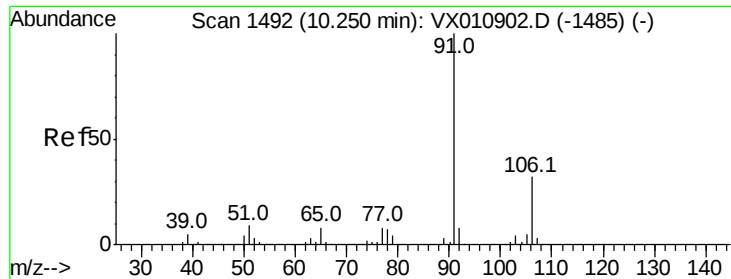
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.126 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion:131 Resp: 125448
Ion Ratio Lower Upper
131 100
133 95.4 47.1 141.4
119 64.2 31.9 95.7





#67

Ethyl Benzene

Concen: 50.528 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX071619

Tot Ion: 91 Resp: 588930

Ion Ratio Lower Upper

91 100

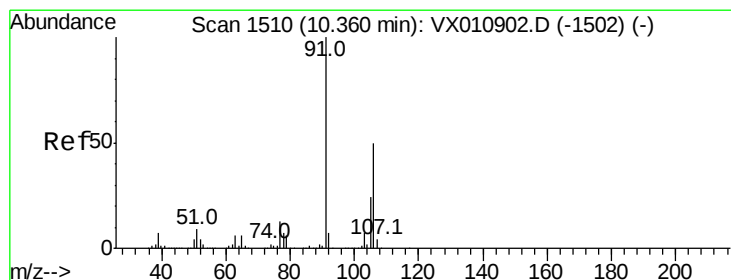
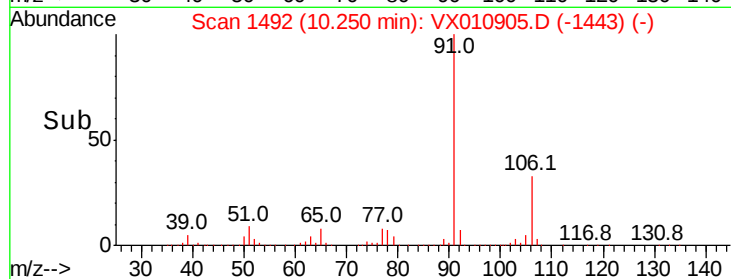
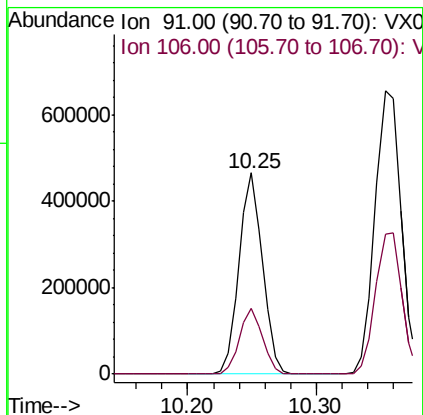
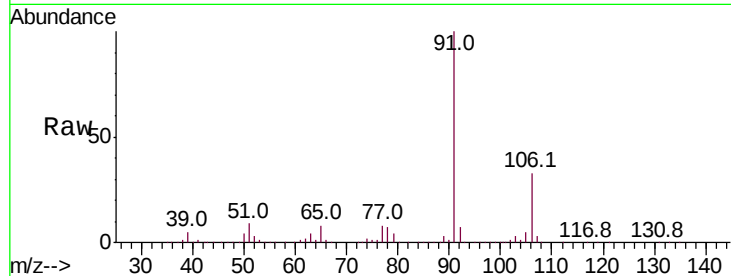
106 32.5 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.217 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010905.D

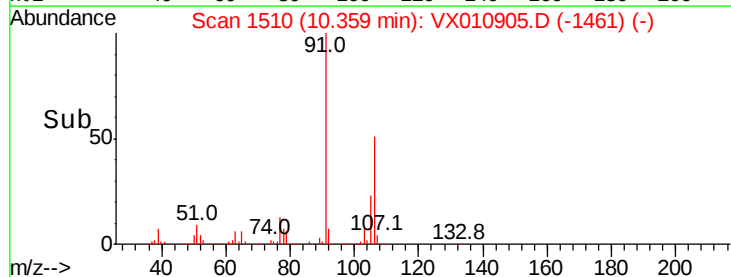
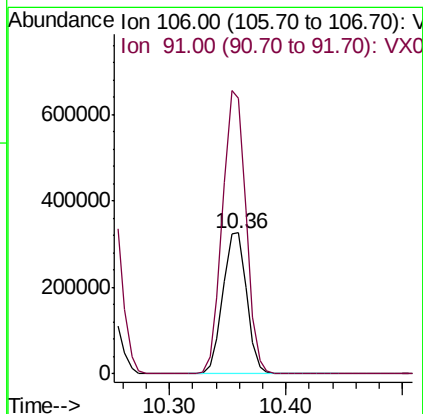
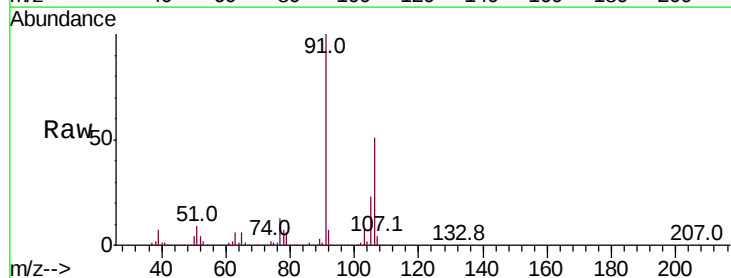
Acq: 16 Jul 2019 13:33

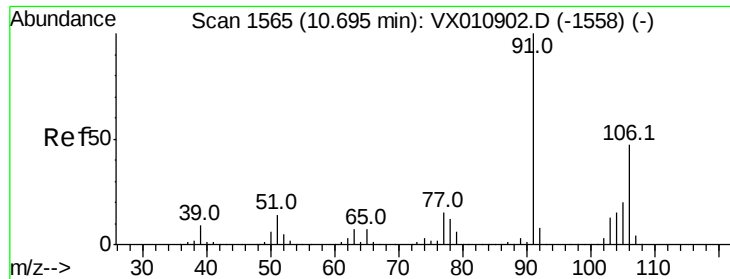
Tgt Ion: 106 Resp: 461483

Ion Ratio Lower Upper

106 100

91 198.8 160.1 240.1





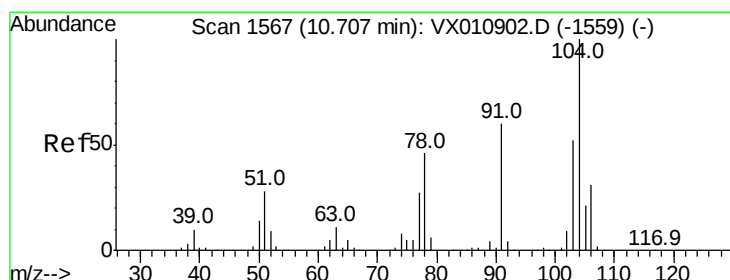
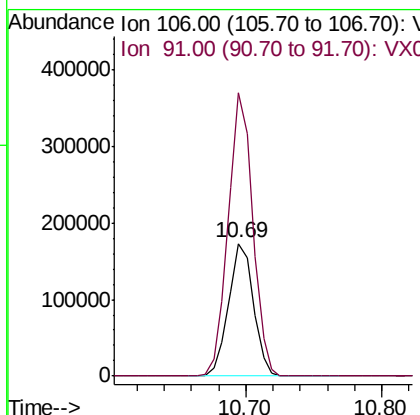
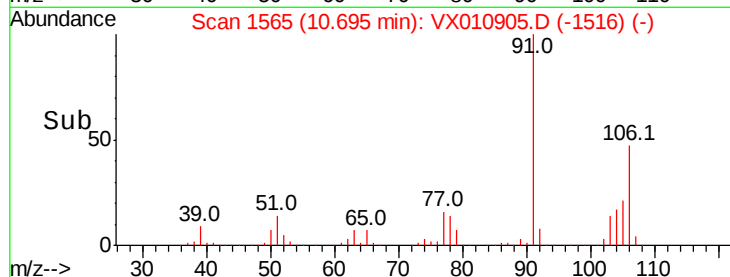
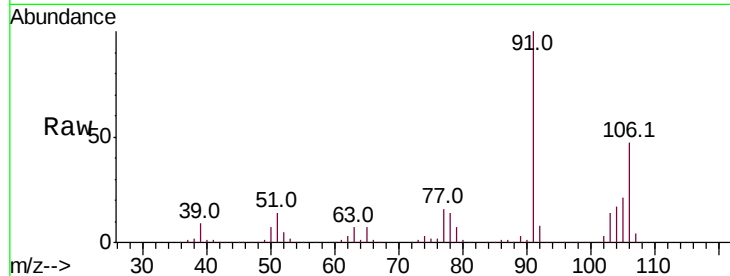
#69
o-Xylene
Concen: 50.486 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion:106 Resp: 220295
Ion Ratio Lower Upper
106 100
91 211.4 105.1 315.3

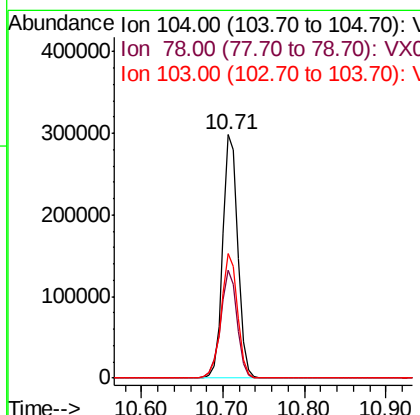
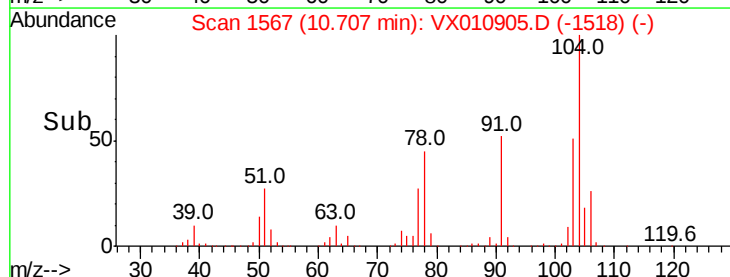
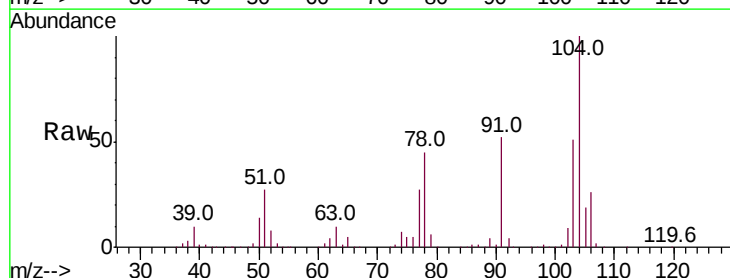
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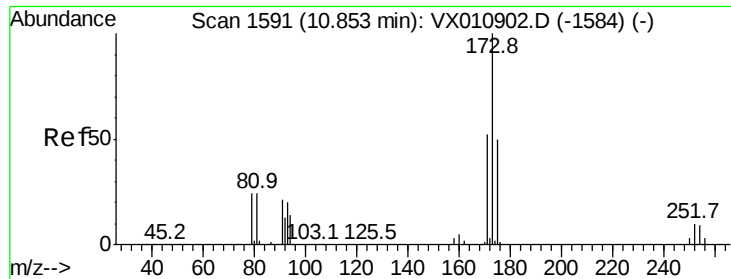
MMDadoda
7/17/2019 10:45:22 AM



#70
Styrene
Concen: 52.630 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion:104 Resp: 382823
Ion Ratio Lower Upper
104 100
78 48.8 38.8 58.2
103 55.4 44.2 66.4





#71

Bromoform

Concen: 47.976 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampled :

ICVVX071619

Tot Ion:173 Resp: 104892

Ion Ratio Lower Upper

173 100

175 49.3 24.6 73.6

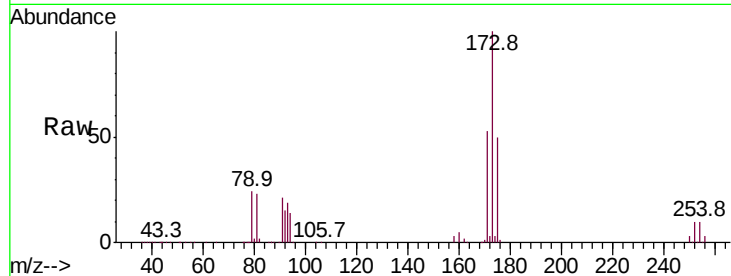
254 0.1 0.1 0.1

Manual Integrations

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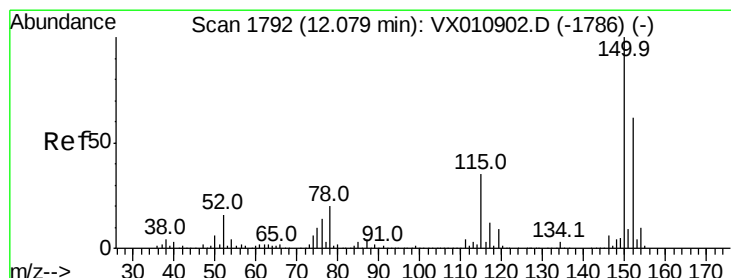
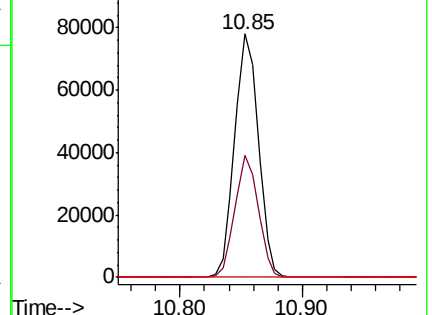
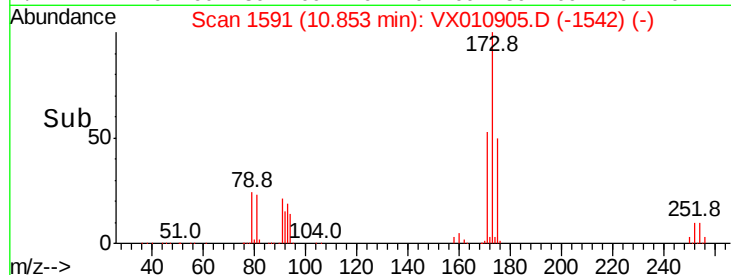
7/17/2019 10:45:22 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

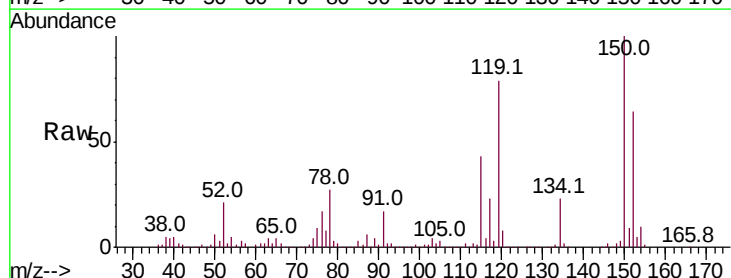
Tgt Ion:152 Resp: 179967

Ion Ratio Lower Upper

152 100

115 81.8 39.7 119.1

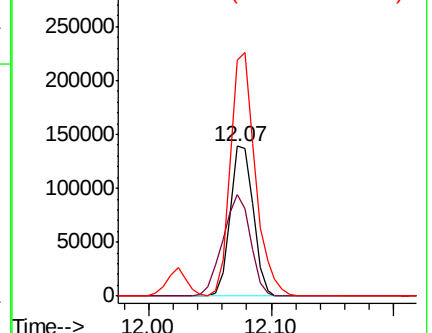
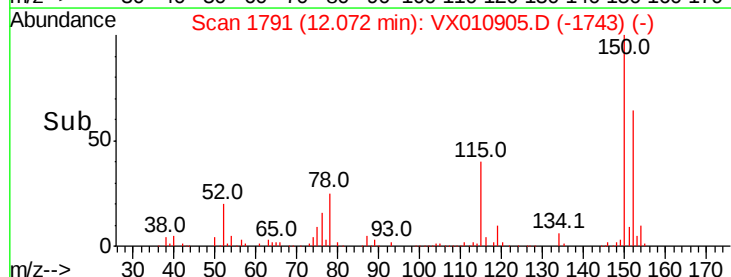
150 175.4 0.0 345.6

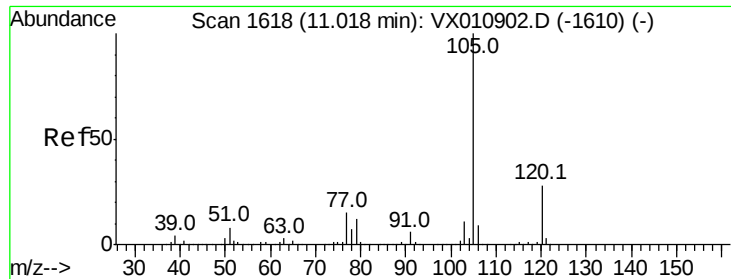


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.146 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion:105 Resp: 609795

Ion Ratio Lower Upper

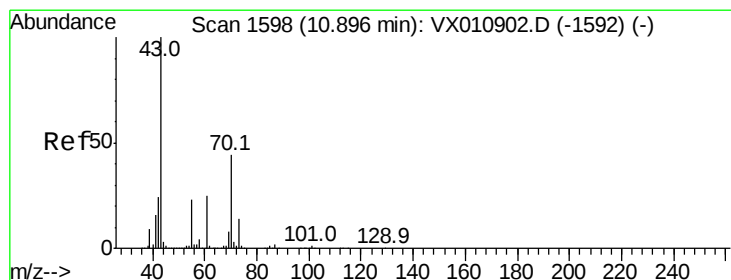
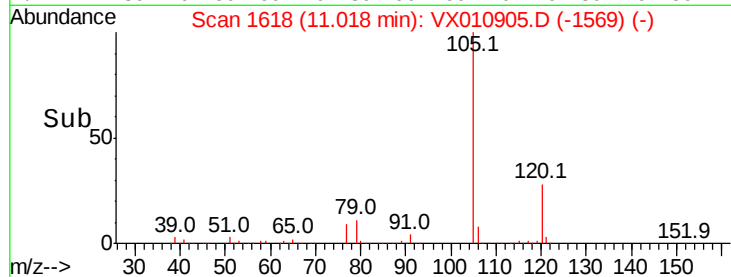
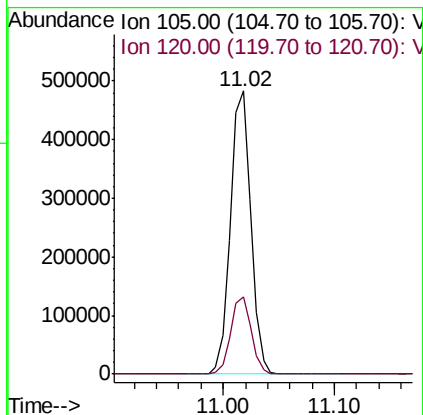
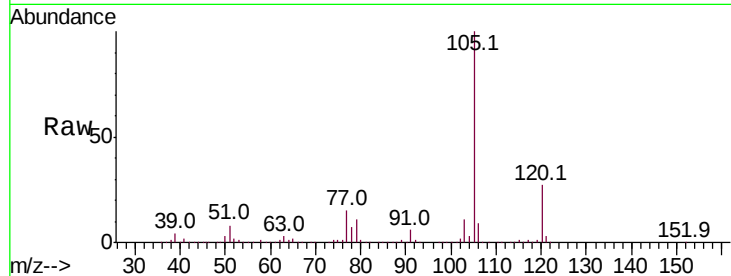
105 100

120 27.4 13.7 41.1

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#74

N-ethyl acetate

Concen: 51.077 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Tgt Ion: 43 Resp: 237325

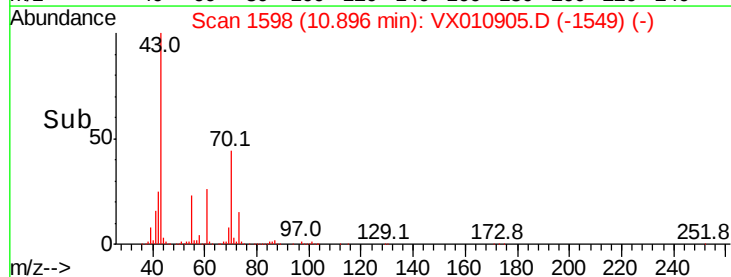
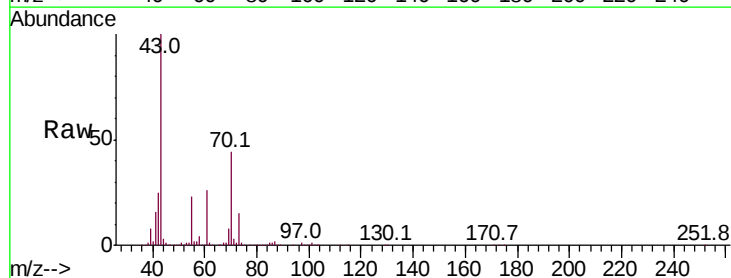
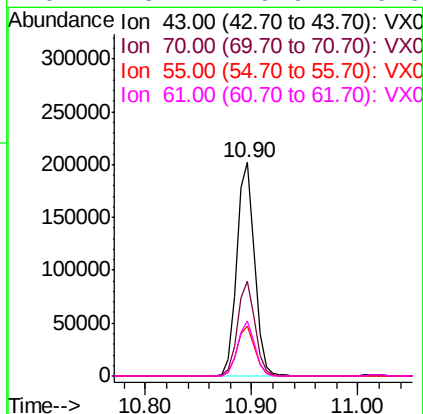
Ion Ratio Lower Upper

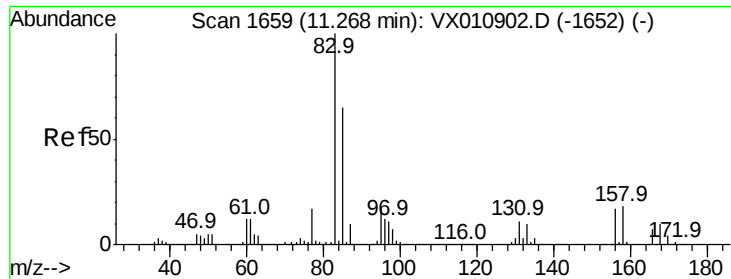
43 100

70 43.9 34.7 52.1

55 23.8 19.1 28.7

61 25.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.435 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

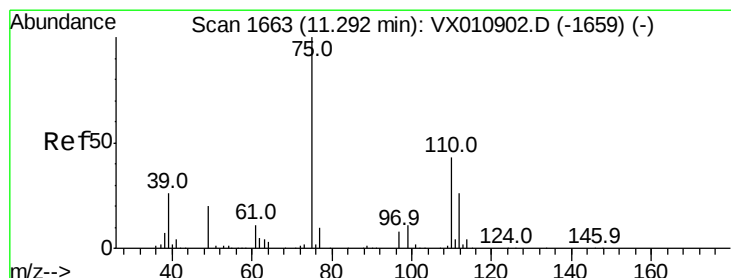
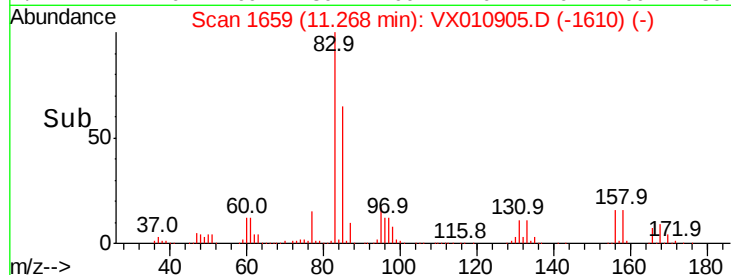
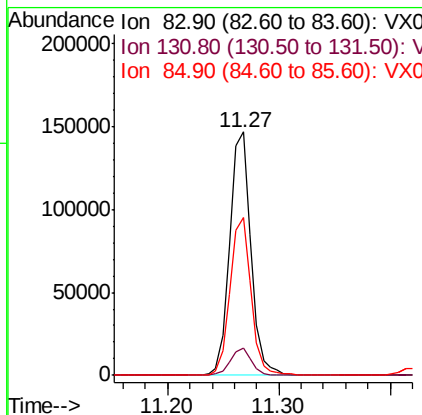
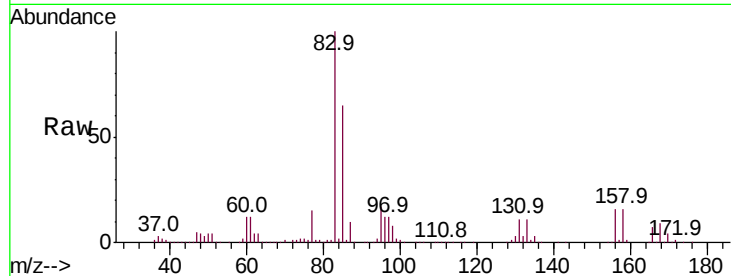
ClientSampleId :

ICVVX071619

Tot Ion:	83	Resp:	192750
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	64.4	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 49.732 ug/l m

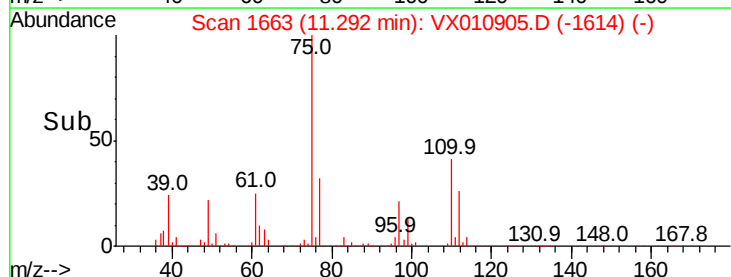
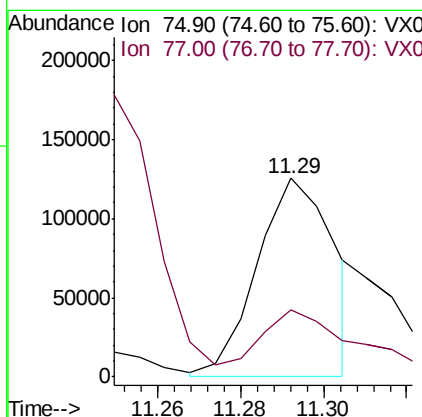
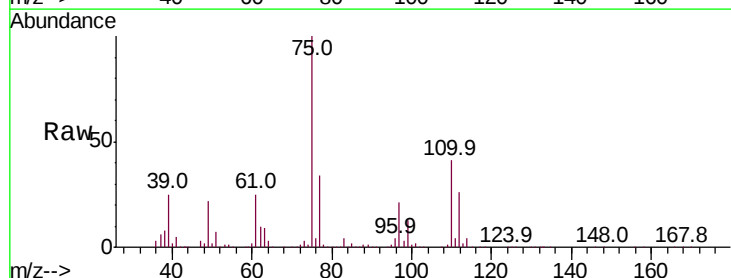
RT: 11.29 min Scan# 1663

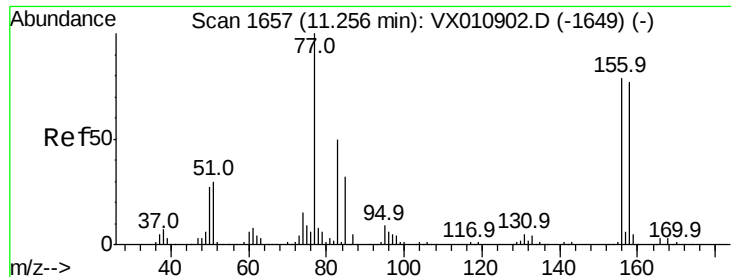
Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Tgt Ion:	75	Resp:	161511
Ion Ratio	Lower	Upper	
75	100		
77	42.9	21.3	64.0





#77

Bromobenzene

Concen: 48.379 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion:156 Resp: 162276

Ion Ratio Lower Upper

156 100

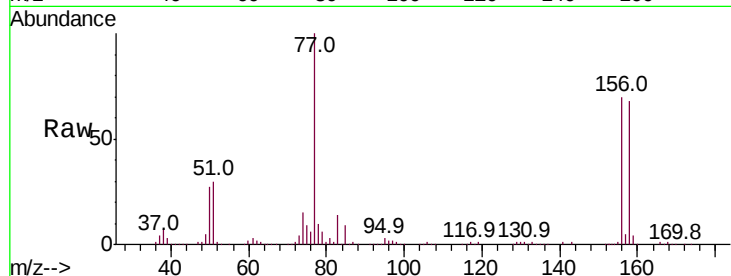
77 137.7 68.7 206.1

158 97.1 47.9 143.7

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MMDadoda

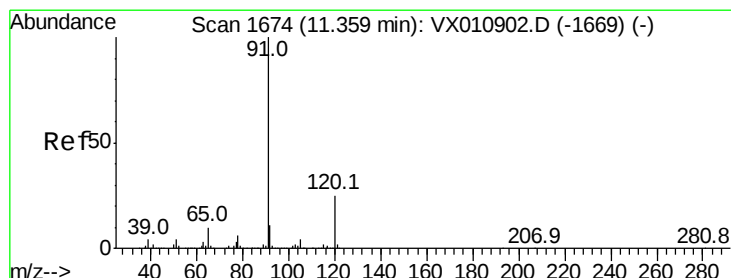
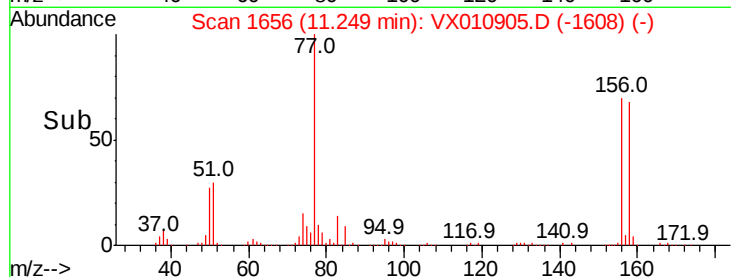
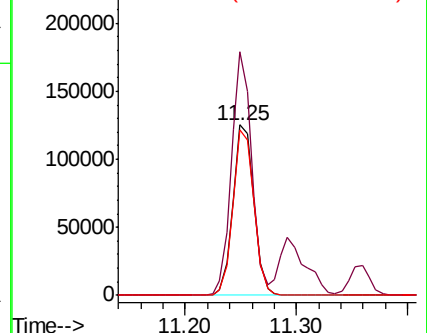
7/17/2019 10:45:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.572 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010905.D

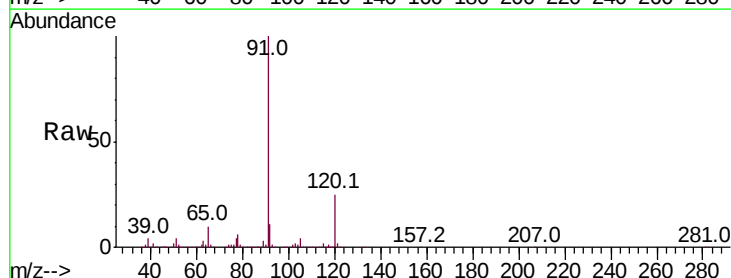
Acq: 16 Jul 2019 13:33

Tgt Ion: 91 Resp: 692935

Ion Ratio Lower Upper

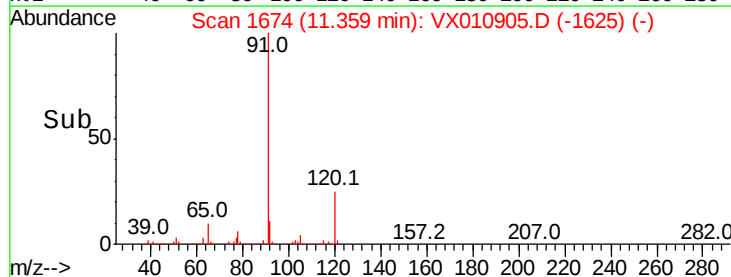
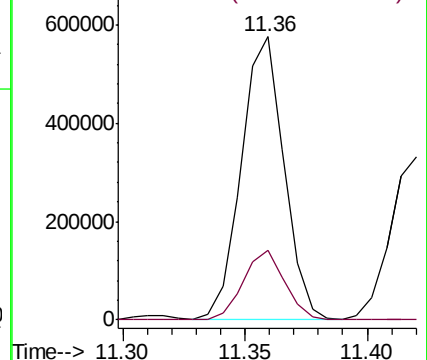
91 100

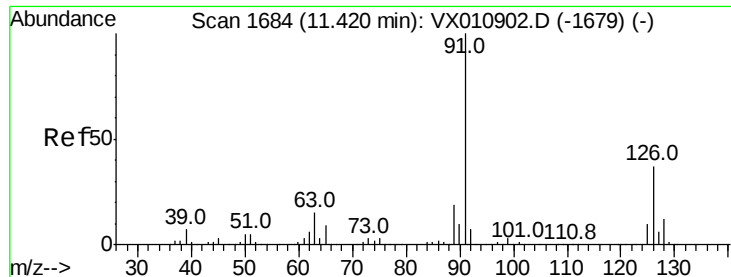
120 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.630 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion: 91 Resp: 408658

Ion Ratio Lower Upper

91 100

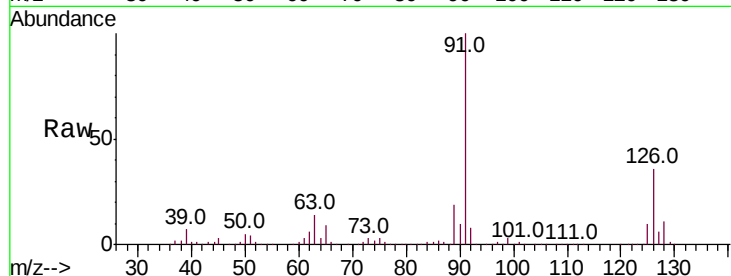
126 35.6 18.0 54.0

Manual Integrations

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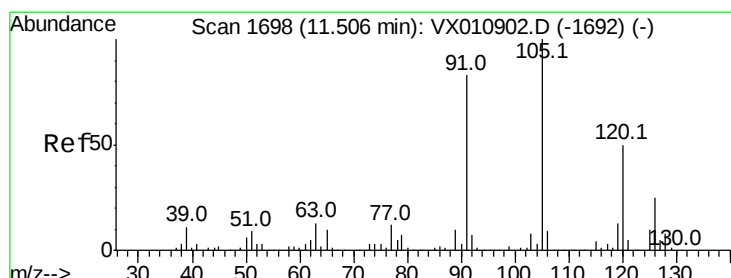
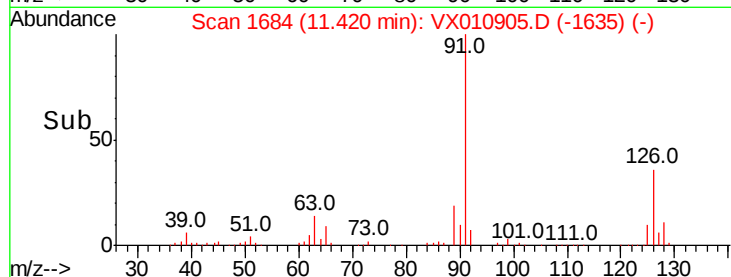
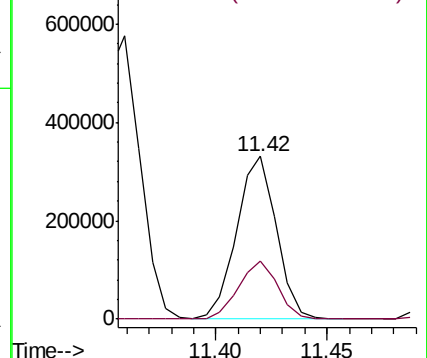
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.683 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010905.D

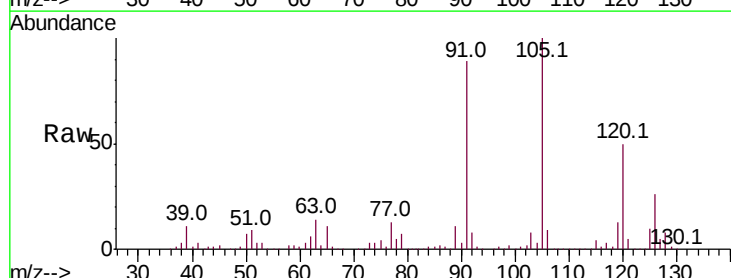
Acq: 16 Jul 2019 13:33

Tgt Ion:105 Resp: 515003

Ion Ratio Lower Upper

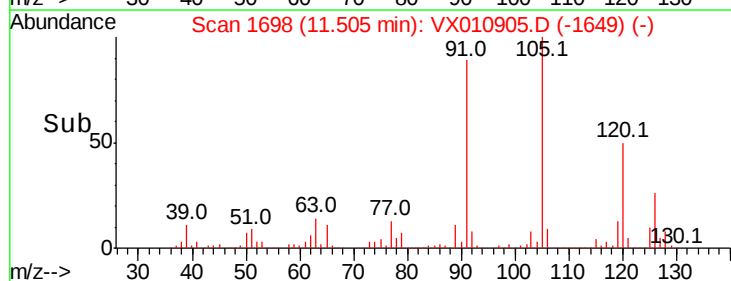
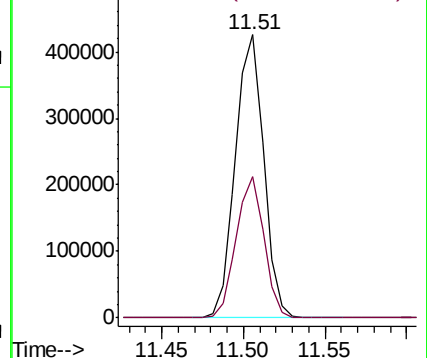
105 100

120 49.1 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





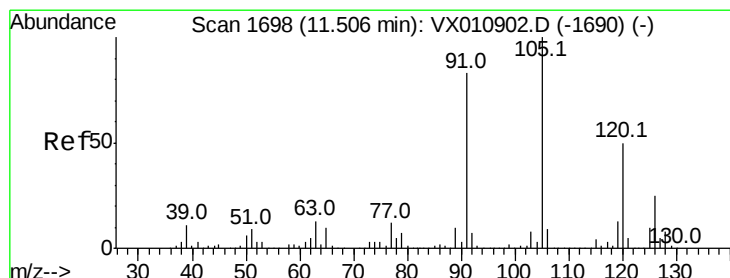
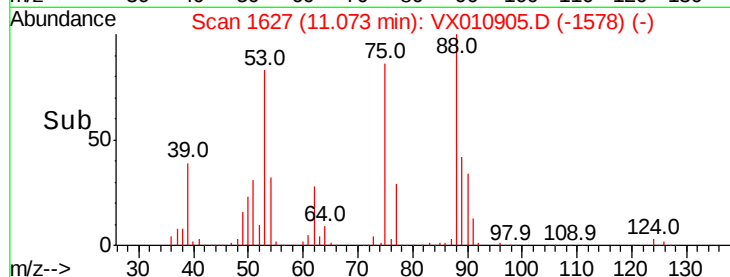
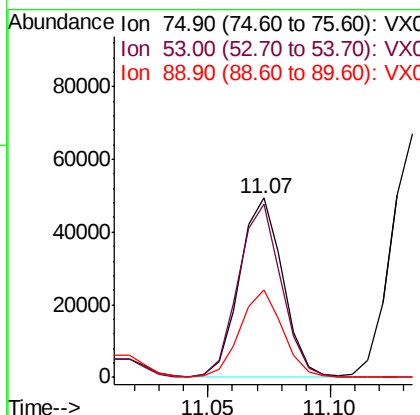
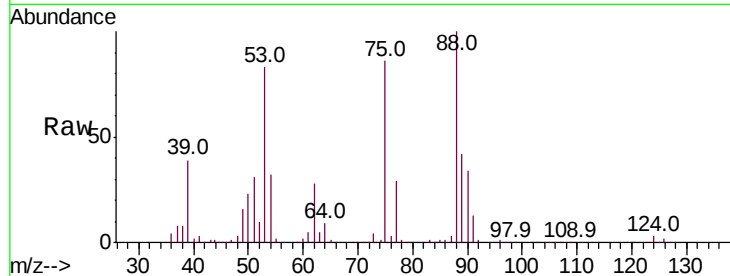
#81
trans-1,4-Dichloro-2-butene
Concen: 47.495 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.9	76.7	115.1
89	47.8	38.5	57.7

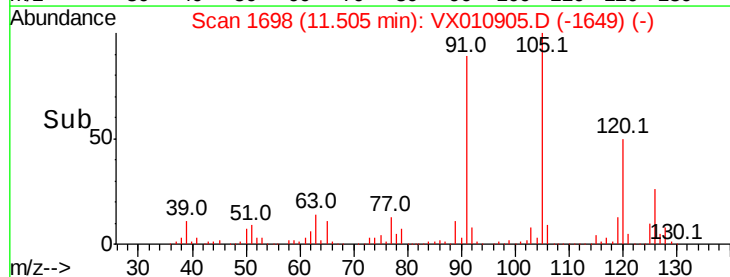
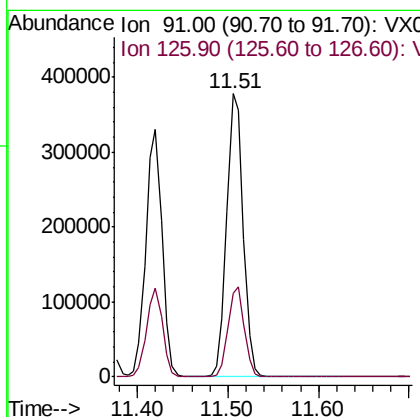
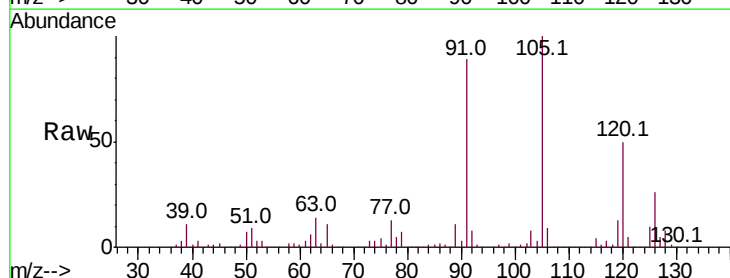
Manual Integrations
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#82
4-Chlorotoluene
Concen: 51.002 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.7





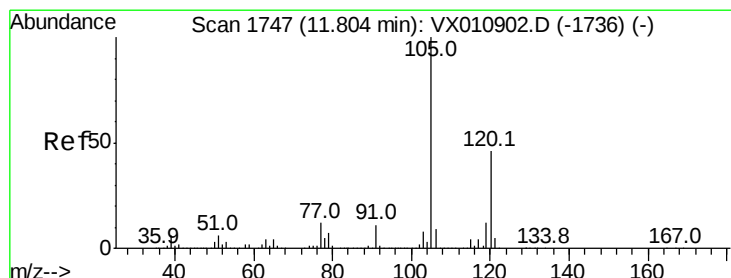
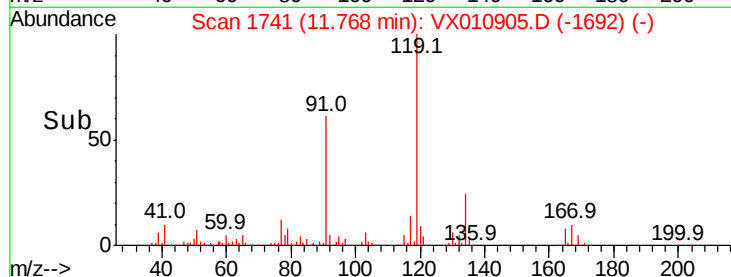
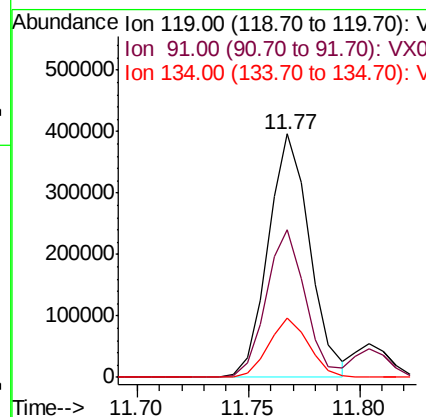
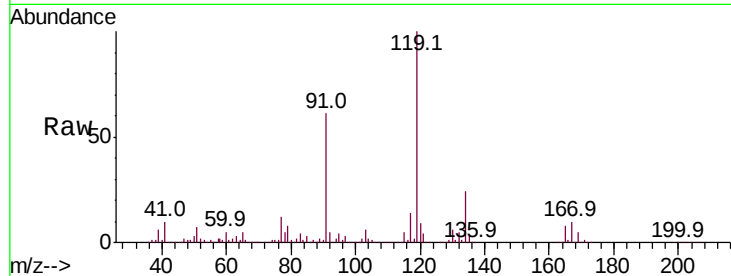
#83
 tert-Butylbenzene
 Concen: 51.246 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleID :
 ICVVX071619

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.6	28.6	85.8
134	23.4	11.6	34.8

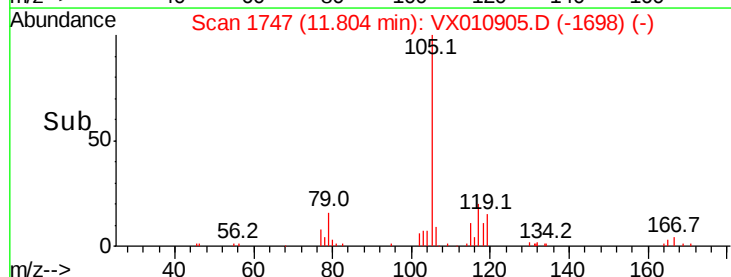
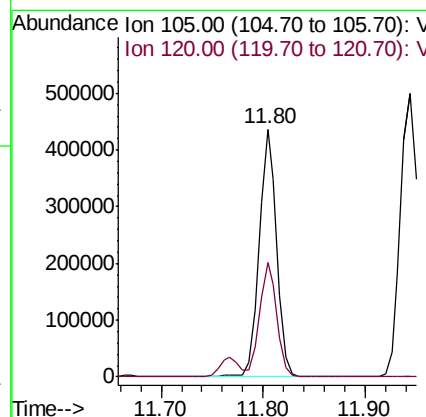
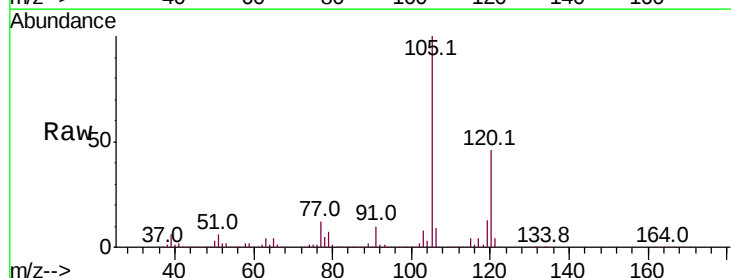
Manual Integrations
 APPROVED

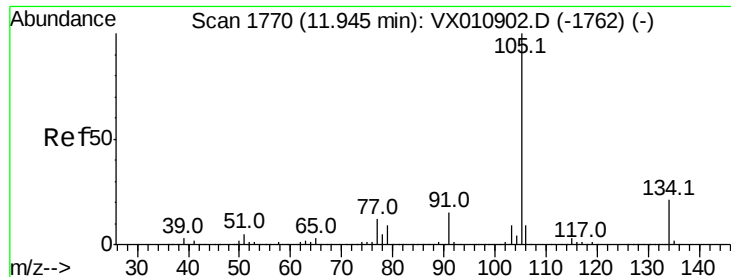
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.179 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.5





#85

sec-Butylbenzene

Concen: 52.079 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071619

Tot Ion:105 Resp: 609058

Ion Ratio Lower Upper

105 100

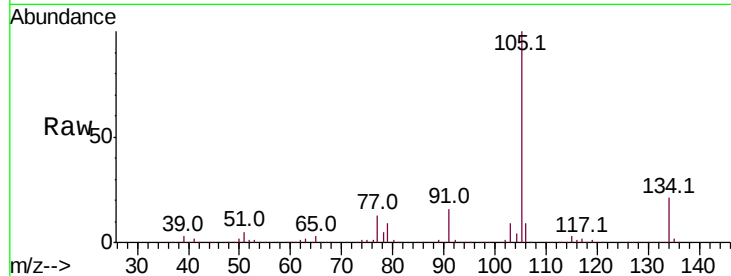
134 20.8 10.4 31.4

Manual Integrations

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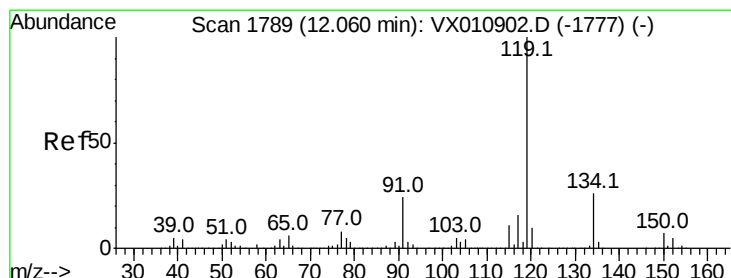
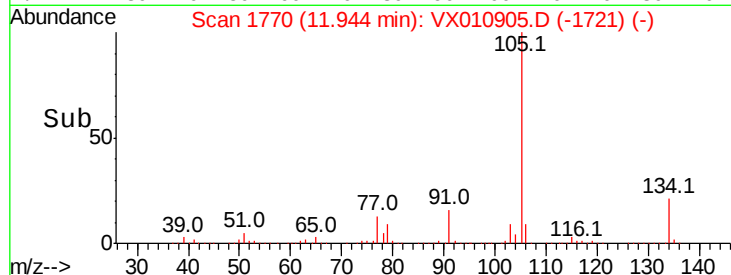
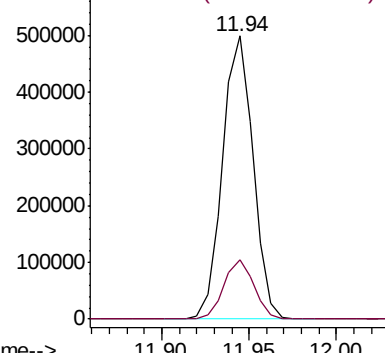
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.013 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

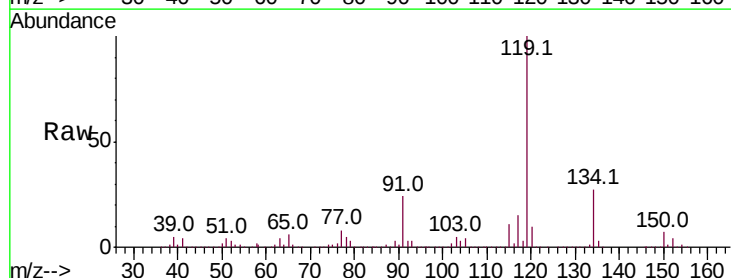
Tgt Ion:119 Resp: 573171

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

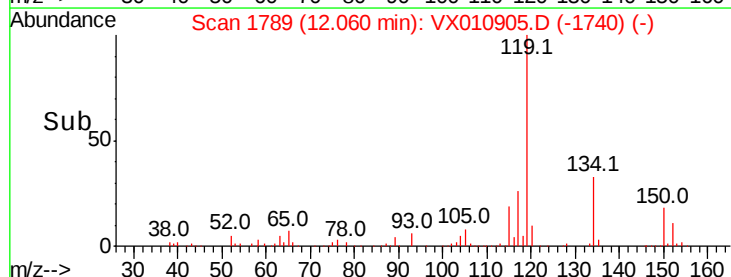
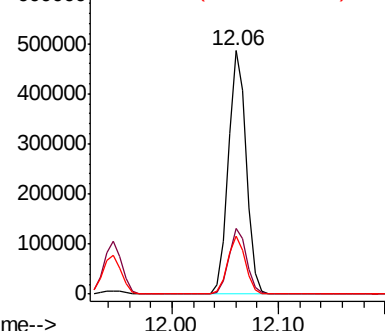
91 23.6 11.8 35.4

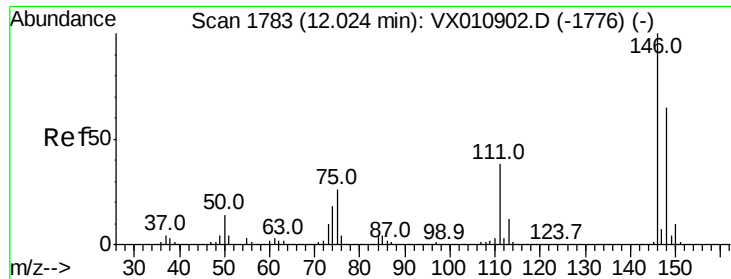


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





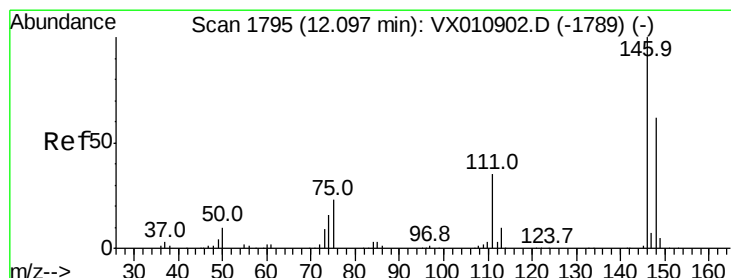
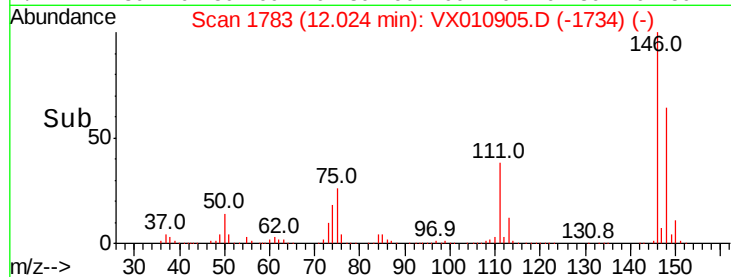
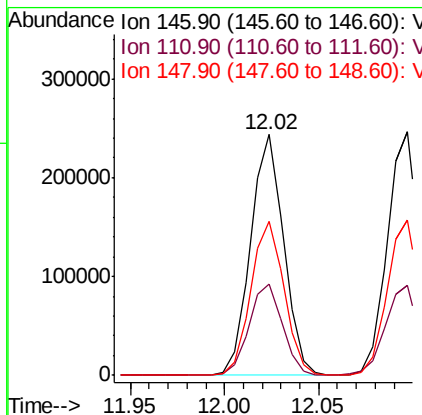
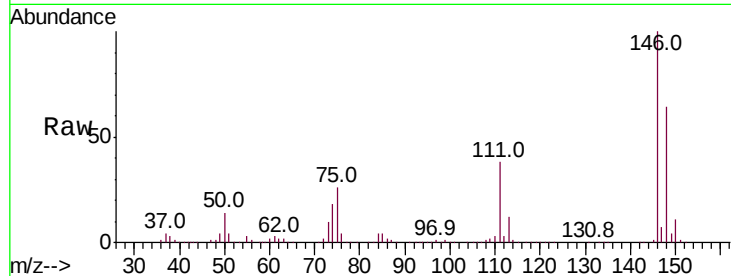
#87
 1,3-Dichlorobenzene
 Concen: 50.935 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071619

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.9
148	64.2	32.2	96.6

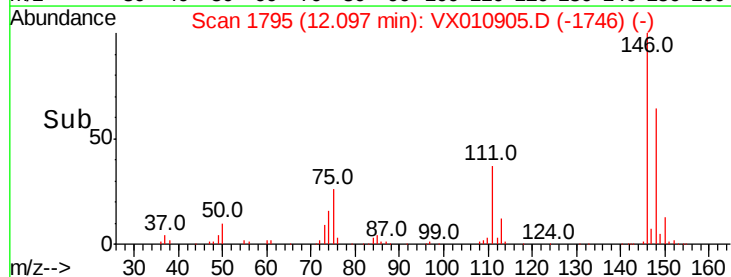
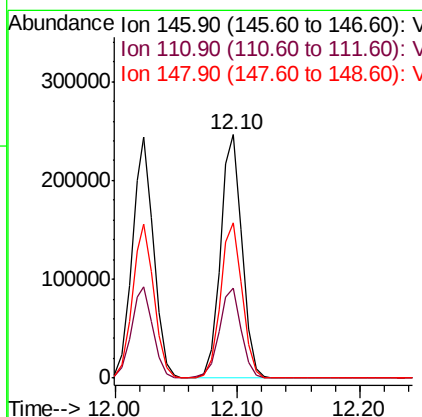
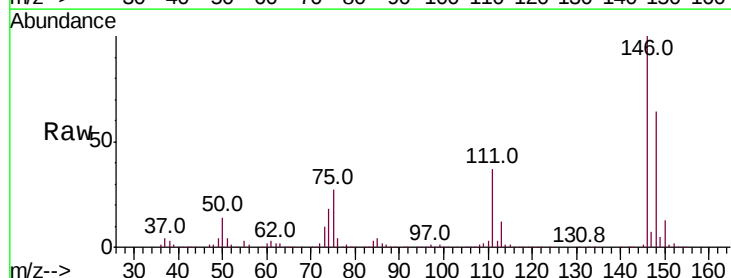
Manual Integrations
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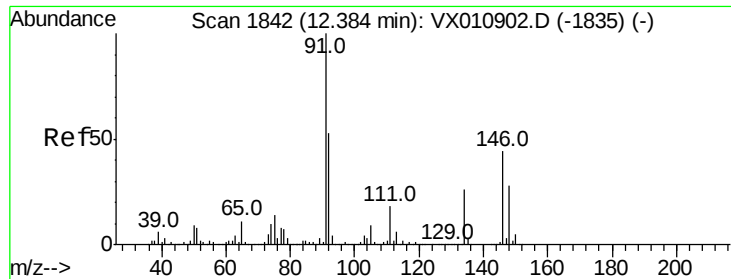
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#88
 1,4-Dichlorobenzene
 Concen: 50.068 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.4	31.6	94.7





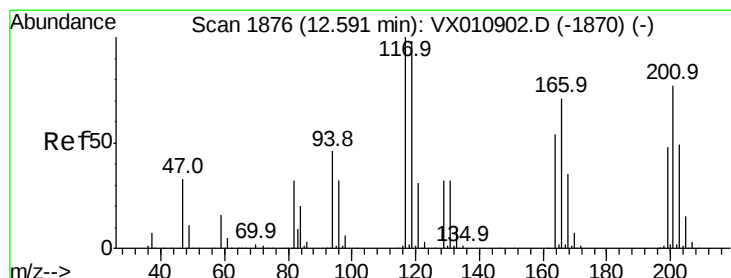
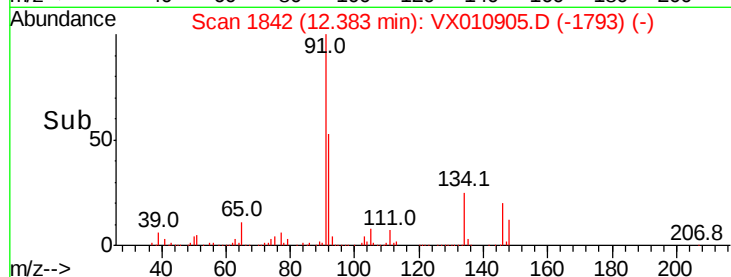
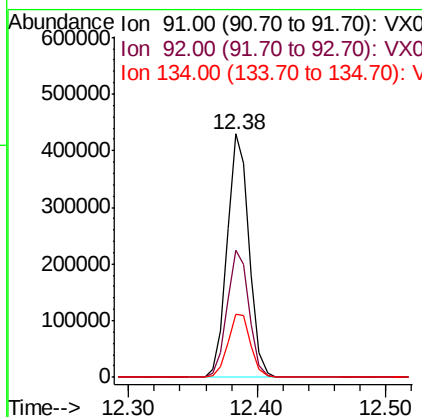
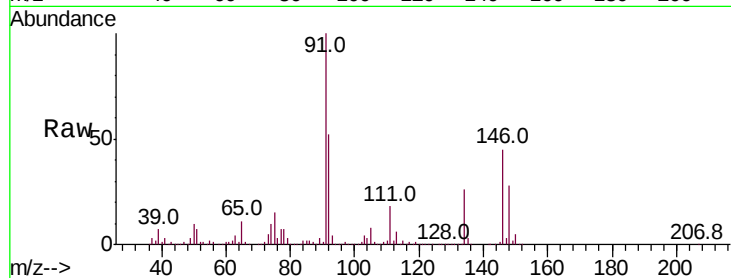
#89
n-Butylbenzene
Concen: 55.343 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071619

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	26.9	13.8	41.3

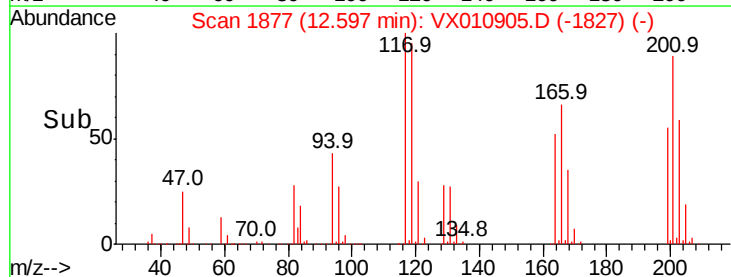
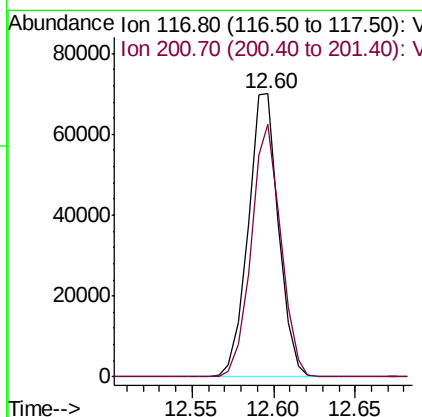
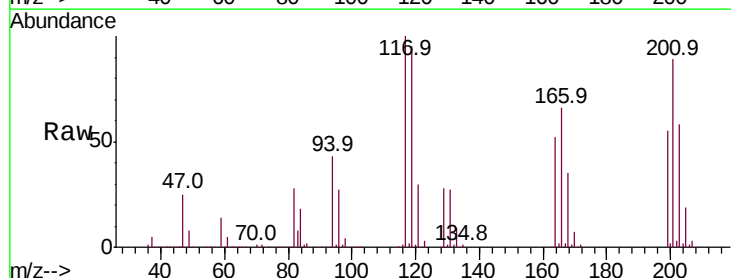
Manual Integrations
APPROVED

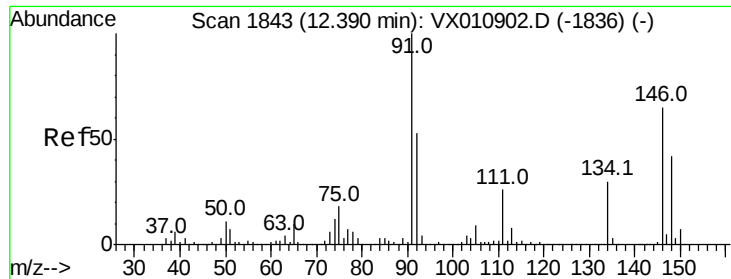
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#90
Hexachloroethane
Concen: 53.512 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010905.D
Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	43.3	129.8





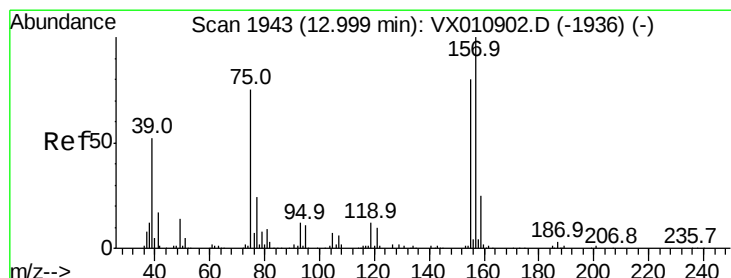
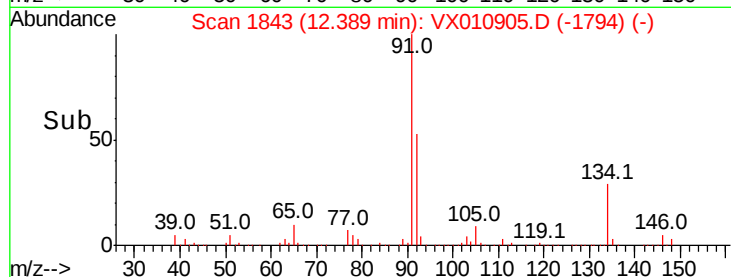
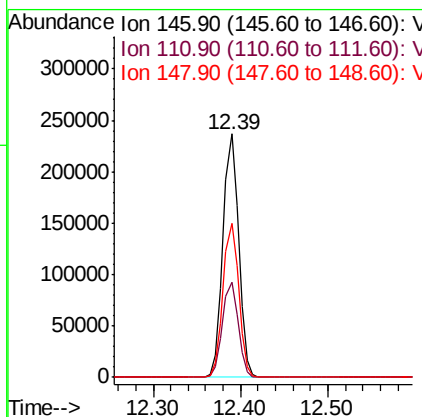
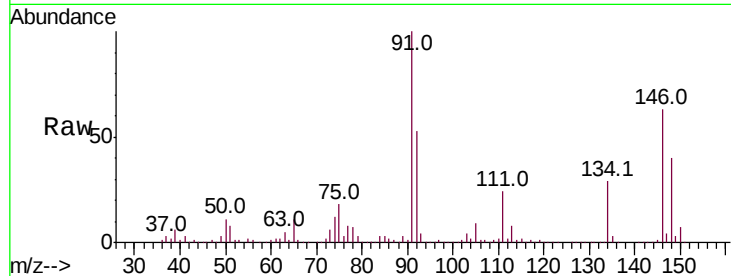
#91
 1,2-Dichlorobenzene
 Concen: 50.579 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071619

Tot Ion	Ratio	Resp	Lower	Upper
146	100	291790		
111	39.4	19.9	59.7	
148	63.3	32.0	96.2	

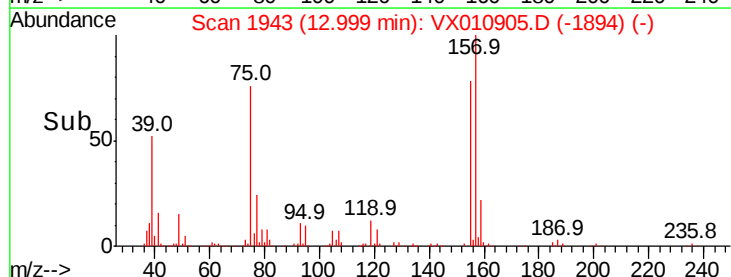
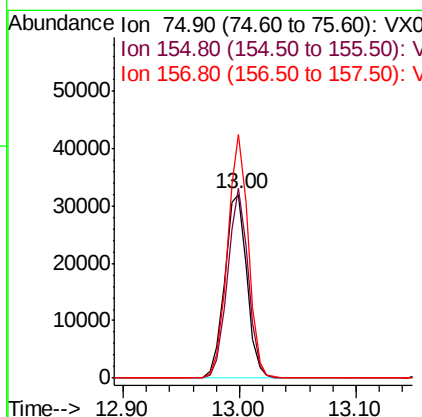
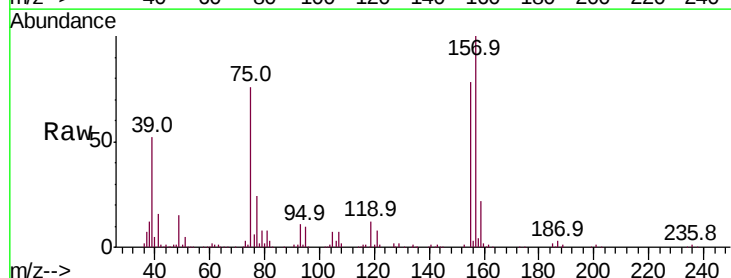
Manual Integrations
 APPROVED

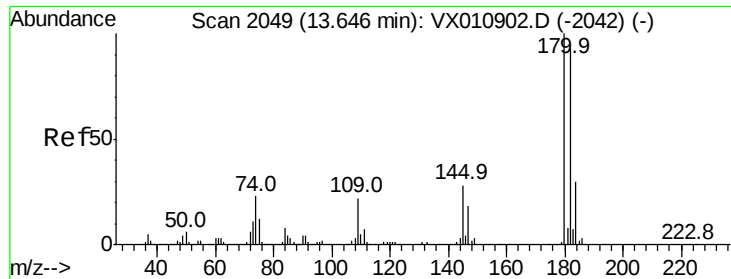
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 7/17/2019 10:45:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.635 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	42121		
155	95.9	48.7	146.1	
157	123.9	62.5	187.6	





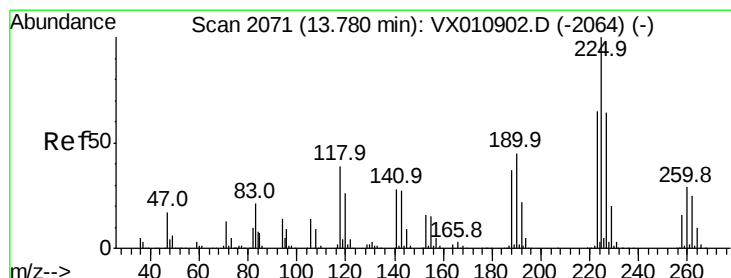
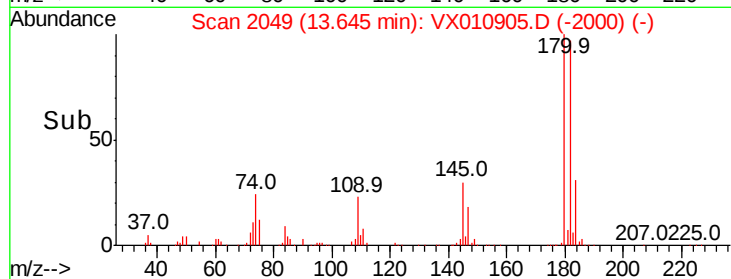
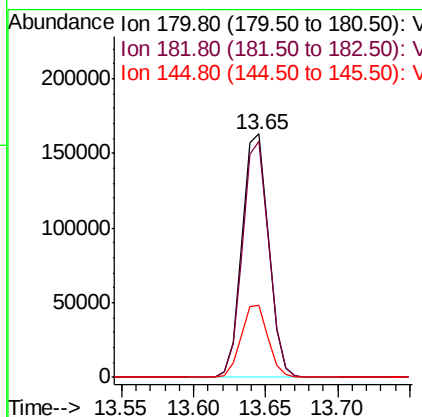
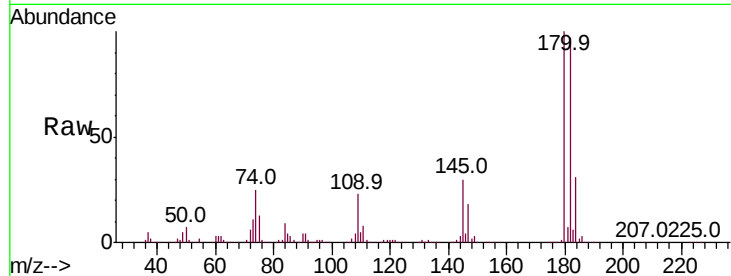
#93
 1,2,4-Trichlorobenzene
 Concen: 53.266 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071619

Tot Ion	Ratio	Resp	Lower	Upper
180	100	208257		
182	96.4	47.1	141.3	
145	30.0	14.8	44.4	

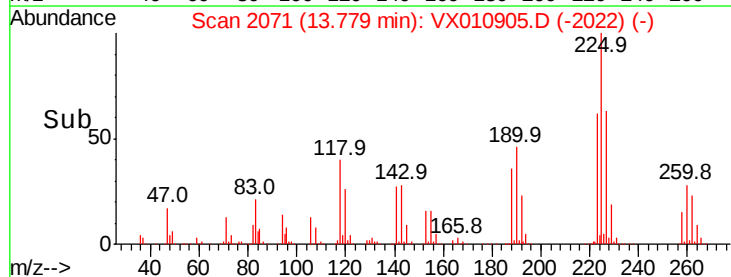
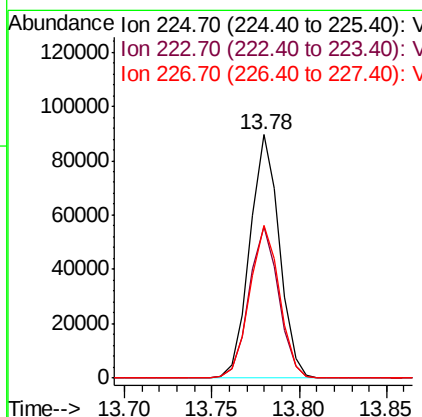
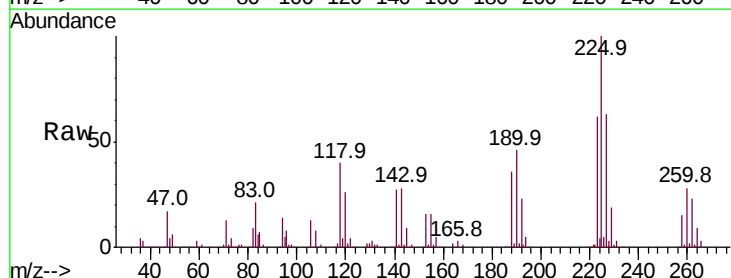
Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:22 AM



#94
 Hexachlorobutadiene
 Concen: 54.071 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010905.D
 Acq: 16 Jul 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104761		
223	62.4	31.9	95.9	
227	63.5	32.5	97.4	





#95

Naphthalene

Concen: 52.625 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Instrument :

MSVOA_X

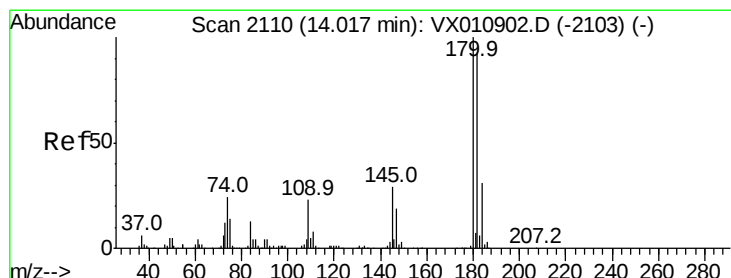
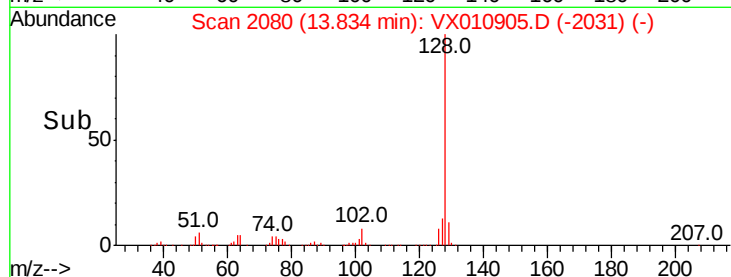
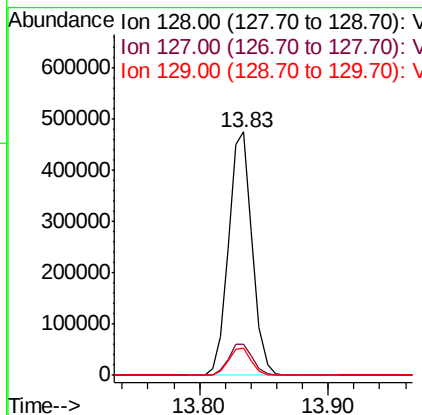
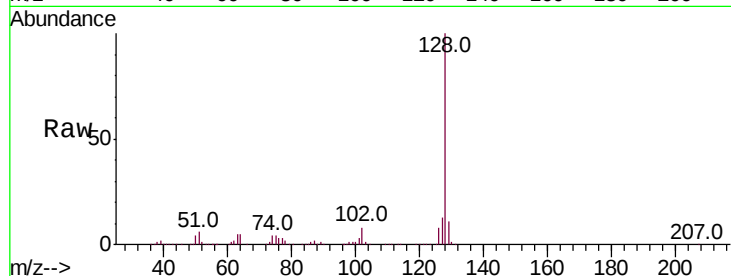
ClientSampleId :

ICVVX071619

Tot Ion:	128	Resp:	607573
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:45:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.915 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010905.D

Acq: 16 Jul 2019 13:33

Tgt Ion:	180	Resp:	201956
Ion Ratio		Lower	Upper
180	100		
182	97.0	47.4	142.3
145	31.8	15.1	45.3

