

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102218\
 Data File : VX005490.D
 Acq On : 23 Oct 2018 00:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/23/2018 1:28:05 PM

Quant Time: Oct 23 03:40:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	205833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302084	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	271969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	123236	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	5.51	113	108259	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	8.71	98	355155	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.14	95	135739	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	78052	48.499	ug/l	98
3) Chloromethane	1.32	50	106256	45.565	ug/l	99
4) Vinyl Chloride	1.40	62	107185	45.373	ug/l	100
5) Bromomethane	1.64	94	63777	47.829	ug/l	95
6) Chloroethane	1.71	64	69828	50.050	ug/l	89
7) Trichlorofluoromethane	1.92	101	164148	52.070	ug/l	93
8) Diethyl Ether	2.19	74	70502	52.372	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	91174	50.109	ug/l	94
10) Methyl Iodide	2.51	142	115826	57.655	ug/l	97
11) Tert butyl alcohol	3.07	59	171054	265.446	ug/l	99
12) 1,1-Dichloroethene	2.37	96	84898	47.093	ug/l	96
13) Acrolein	2.29	56	84788	205.811	ug/l	99
14) Allyl chloride	2.73	41	203781	51.486	ug/l	95
15) Acrylonitrile	3.15	53	390663	267.529	ug/l	98
16) Acetone	2.45	43	351902	266.425	ug/l #	85
17) Carbon Disulfide	2.56	76	238873	43.741	ug/l	96
18) Methyl Acetate	2.78	43	231482	61.601	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	342872	54.002	ug/l #	88
20) Methylene Chloride	2.85	84	105556	54.977	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	98682	49.394	ug/l #	80
22) Diisopropyl ether	3.87	45	375439	56.474	ug/l	94
23) Vinyl Acetate	3.82	43	1563468	269.075	ug/l	95
24) 1,1-Dichloroethane	3.70	63	195069	51.199	ug/l	98
25) 2-Butanone	4.71	43	546483	282.781	ug/l #	86
26) 2,2-Dichloropropane	4.59	77	122272	42.911	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	109624	50.489	ug/l	97
28) Bromochloromethane	5.02	49	102580	59.060	ug/l	85
29) Tetrahydrofuran	5.15	42	346681	281.235	ug/l	92
30) Chloroform	5.21	83	197700	55.904	ug/l	84
31) Cyclohexane	5.56	56	163911	52.197	ug/l #	74
32) 1,1,1-Trichloroethane	5.50	97	170065	55.268	ug/l	98
36) 1,1-Dichloropropene	5.80	75	139024	47.519	ug/l	100
37) Ethyl Acetate	4.86	43	191212	50.820	ug/l	98
38) Carbon Tetrachloride	5.78	117	142135	48.351	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	140223	44.284	ug/l	96
40) Benzene	6.15	78	420684	47.933	ug/l	99
41) Methacrylonitrile	5.06	41	110267	54.666	ug/l	94
42) 1,2-Dichloroethane	6.20	62	153091	49.401	ug/l	97
43) Isopropyl Acetate	6.46	43	283023	56.469	ug/l	97
44) Trichloroethene	7.21	130	113155	50.501	ug/l	94
45) 1,2-Dichloropropane	7.52	63	106118	49.292	ug/l	100
46) Dibromomethane	7.66	93	69643	49.014	ug/l	98
47) Bromodichloromethane	7.90	83	137058	52.148	ug/l	100
48) Methyl methacrylate	7.77	41	140679	54.119	ug/l	93
49) 1,4-Dioxane	7.75	88	59519	992.709	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	979863	282.352	ug/l	93
52) Toluene	8.79	92	244234	50.866	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	148991	52.382	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	157799	51.202	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	104640	51.453	ug/l	98
56) Ethyl methacrylate	9.18	69	163525	55.157	ug/l	92
57) 1,3-Dichloropropane	9.37	76	176555	52.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	467560	281.209	ug/l	93
59) 2-Hexanone	9.50	43	782450	280.290	ug/l	92
60) Dibromochloromethane	9.59	129	111998	53.277	ug/l	99
61) 1,2-Dibromoethane	9.67	107	109519	51.314	ug/l	100
64) Tetrachloroethene	9.34	164	114612	52.346	ug/l	98
65) Chlorobenzene	10.14	112	280417	48.472	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	106637	51.726	ug/l	98
67) Ethyl Benzene	10.25	91	479560	50.992	ug/l	96
68) m/p-Xylenes	10.36	106	371905	101.884	ug/l	94
69) o-Xylene	10.70	106	178606	50.734	ug/l	96
70) Styrene	10.71	104	305930	52.833	ug/l	96
71) Bromoform	10.86	173	93775	50.901	ug/l #	99
73) Isopropylbenzene	11.02	105	490939	52.755	ug/l	99
74) N-amyl acetate	10.90	43	247444	55.129	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	177034	50.430	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	167613m	55.199	ug/l	
77) Bromobenzene	11.26	156	132125	49.655	ug/l	98
78) n-propylbenzene	11.36	91	564366	52.701	ug/l	99
79) 2-Chlorotoluene	11.42	91	342270	52.187	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	423445	53.135	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	49182	49.214	ug/l	100
82) 4-Chlorotoluene	11.51	91	403412	51.889	ug/l	98
83) tert-Butylbenzene	11.77	119	415711	51.513	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	434135	52.936	ug/l	97
85) sec-Butylbenzene	11.94	105	503336	52.704	ug/l	98
86) p-Isopropyltoluene	12.07	119	451159	52.266	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	245907	49.457	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	249152	48.983	ug/l	99
89) n-Butylbenzene	12.39	91	400213	51.064	ug/l	97
90) Hexachloroethane	12.60	117	72689	48.862	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	251071	49.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44134	51.539	ug/l	96

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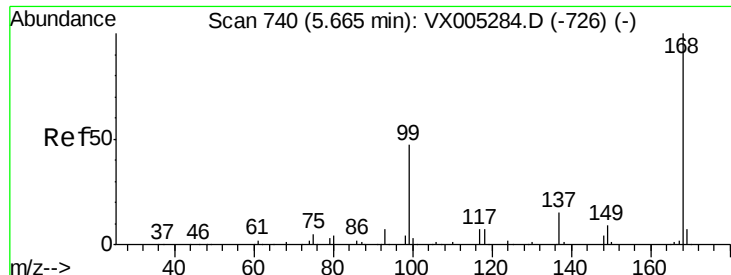
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	187769	50.440	ug/l	99
94) Hexachlorobutadiene	13.79	225	90956	46.262	ug/l	95
95) Naphthalene	13.83	128	593819	55.004	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	194795	51.141	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 205833

Ion Ratio Lower Upper

168 100

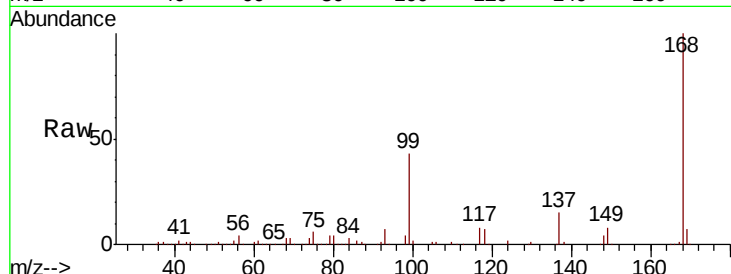
99 42.8 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

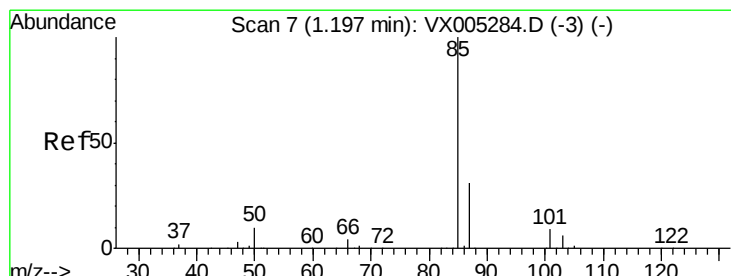
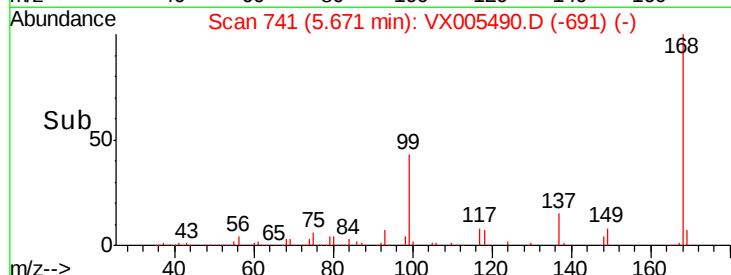
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.499 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005490.D

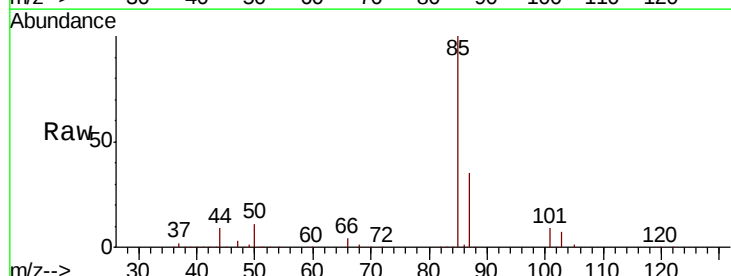
Acq: 23 Oct 2018 00:33

Tgt Ion: 85 Resp: 78052

Ion Ratio Lower Upper

85 100

87 34.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

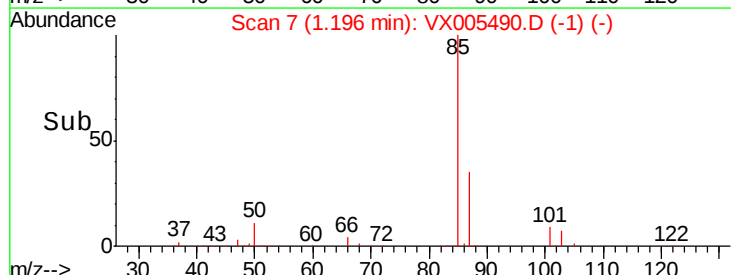
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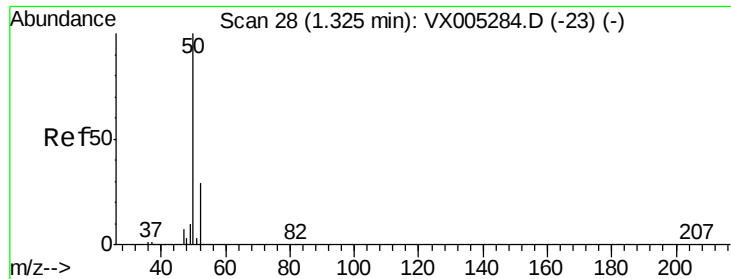
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 45.565 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 106256

Ion Ratio Lower Upper

50 100

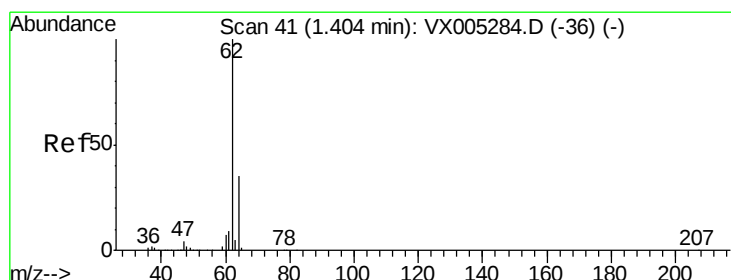
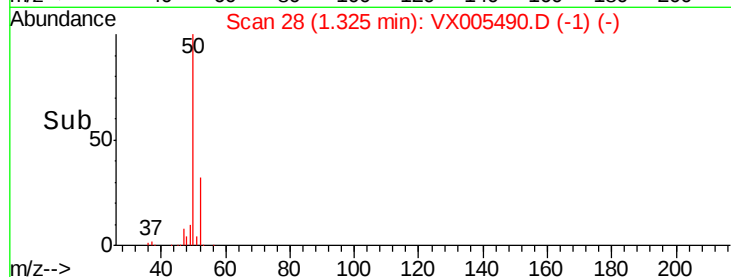
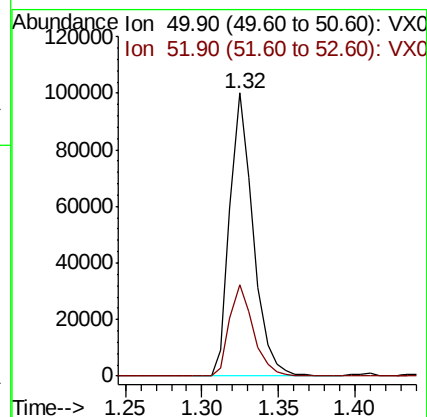
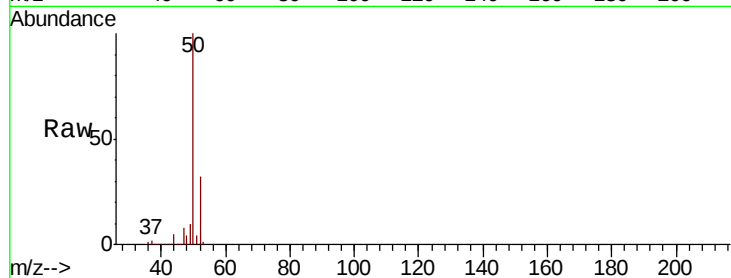
52 32.4 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.373 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005490.D

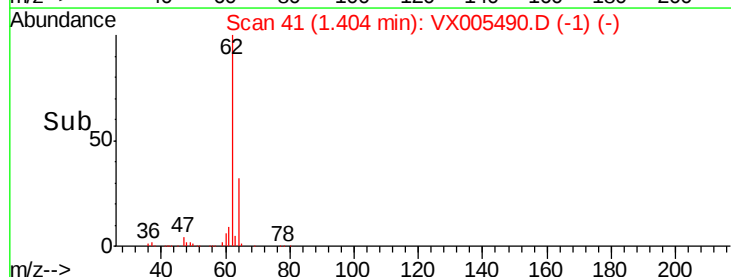
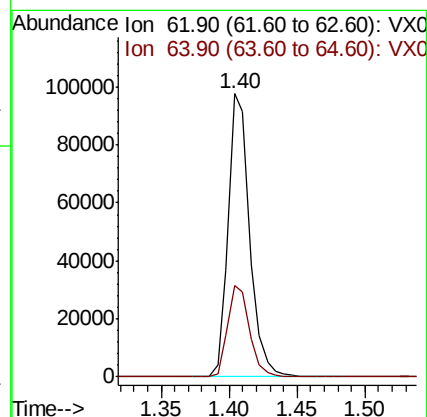
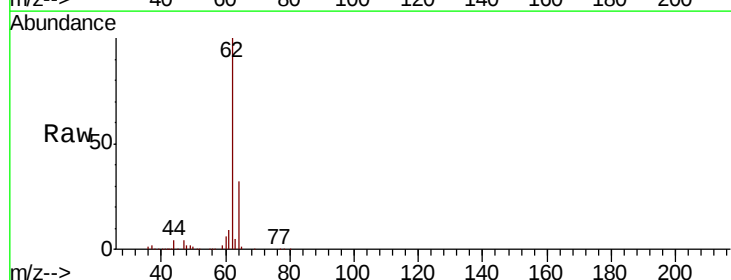
Acq: 23 Oct 2018 00:33

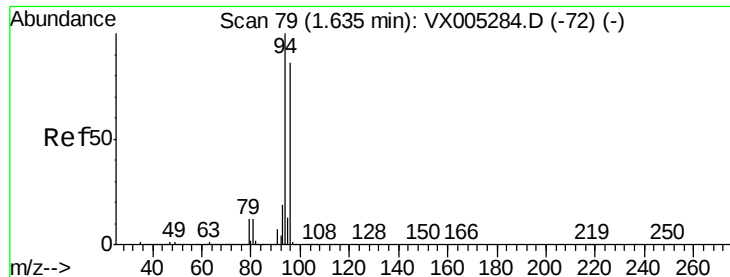
Tgt Ion: 62 Resp: 107185

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 47.829 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 63777

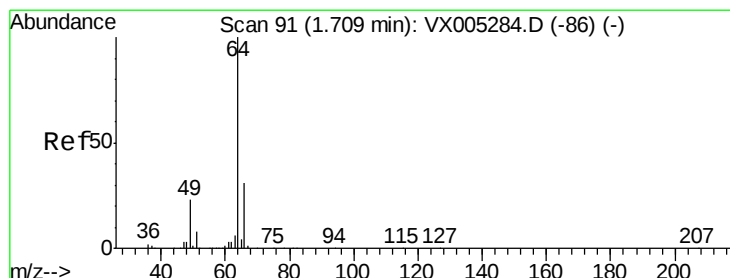
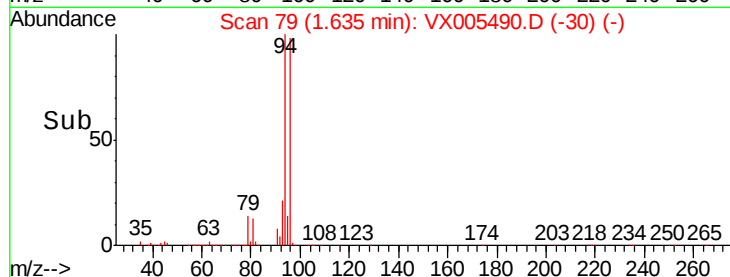
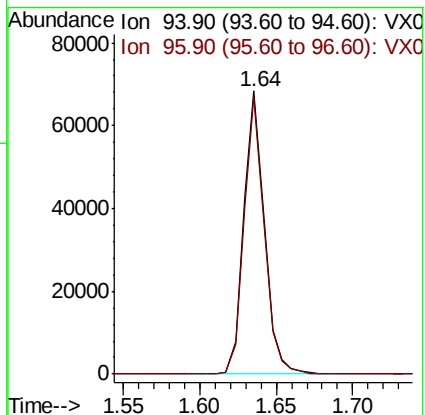
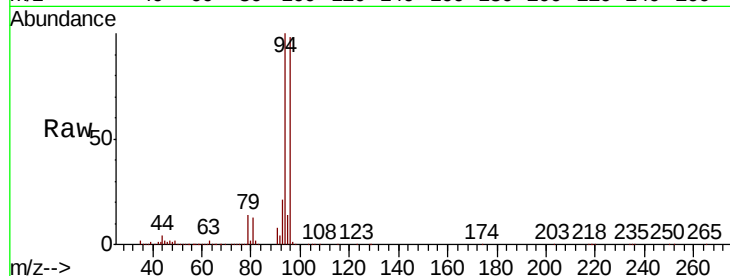
Ion Ratio Lower Upper

94 100

96 98.0 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 50.050 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005490.D

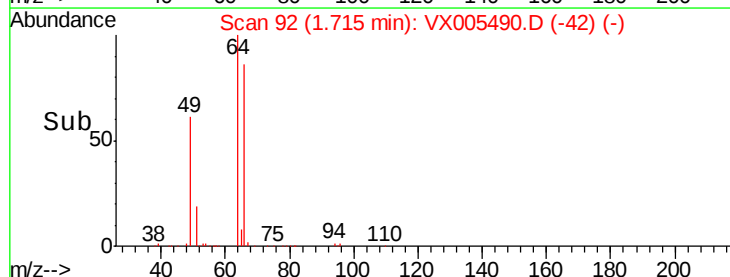
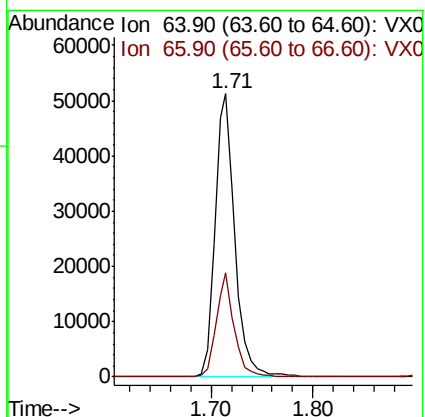
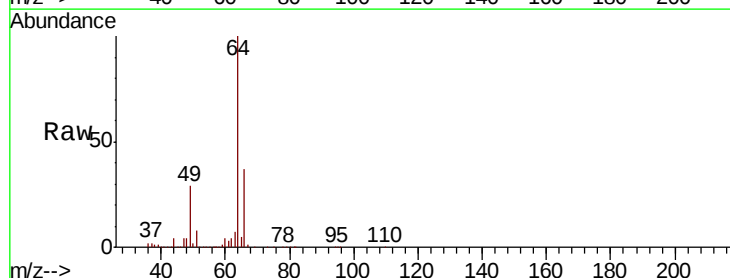
Acq: 23 Oct 2018 00:33

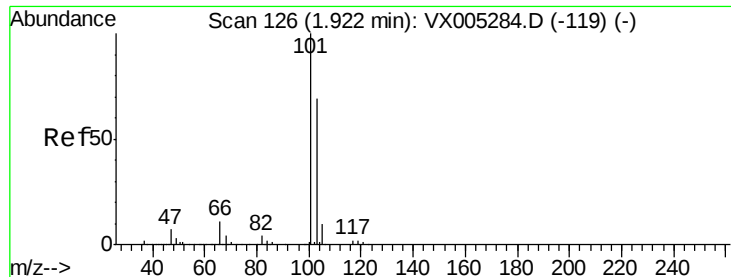
Tgt Ion: 64 Resp: 69828

Ion Ratio Lower Upper

64 100

66 36.7 24.6 36.8





#7

Trichlorofluoromethane

Concen: 52.070 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 164148

Ion Ratio Lower Upper

101 100

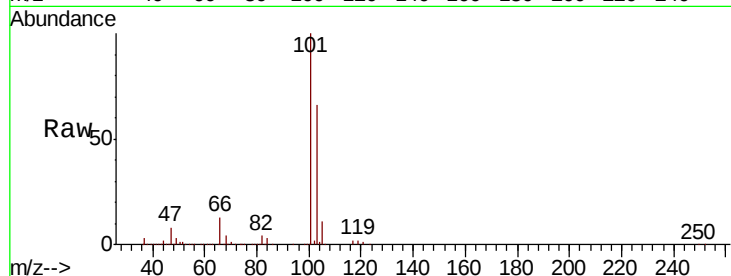
103 66.1 48.9 73.3

Manual Integrations

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10/23/2018 1:28:05 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

120000

100000

80000

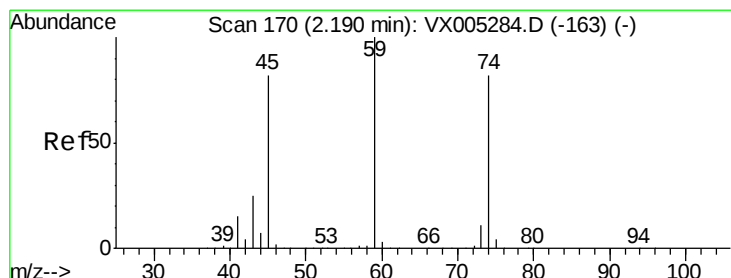
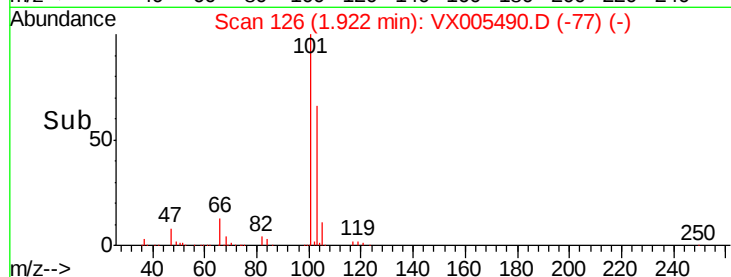
60000

40000

20000

0

Time--> 1.80 1.90 2.00 2.10



#8

Diethyl Ether

Concen: 52.372 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005490.D

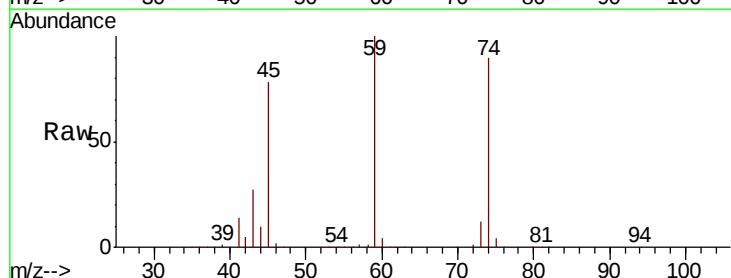
Acq: 23 Oct 2018 00:33

Tgt Ion: 74 Resp: 70502

Ion Ratio Lower Upper

74 100

45 107.5 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

60000

50000

40000

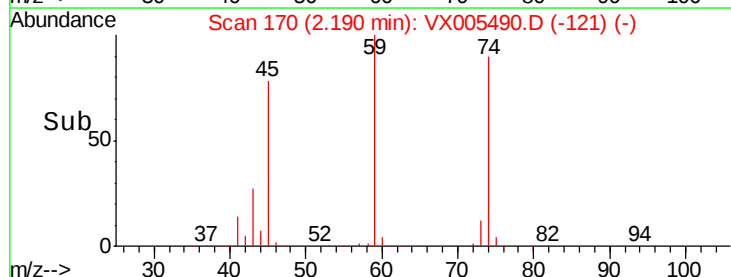
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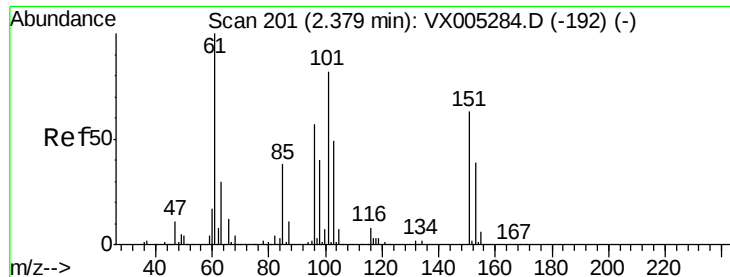
20000

10000

0

Time--> 2.10 2.20 2.30





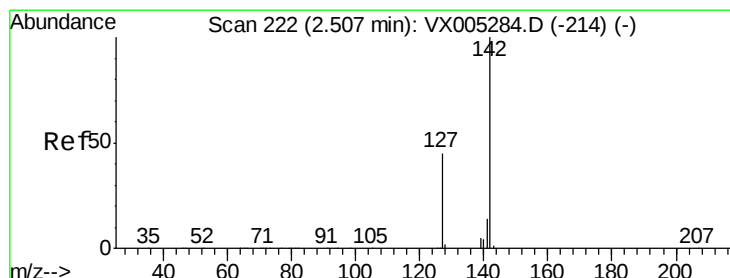
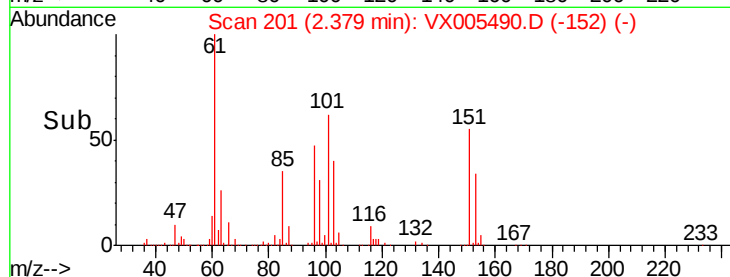
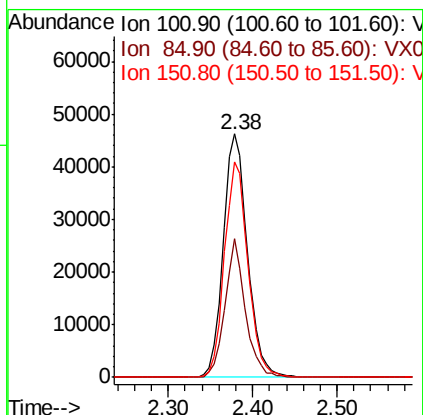
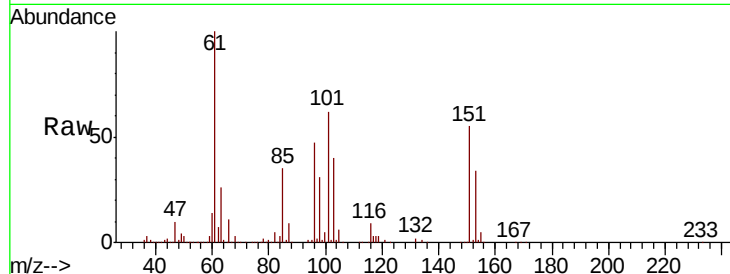
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.109 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.9	34.2	51.4
151	86.0	65.0	97.6

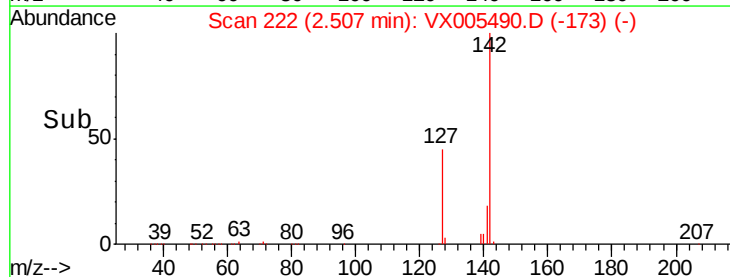
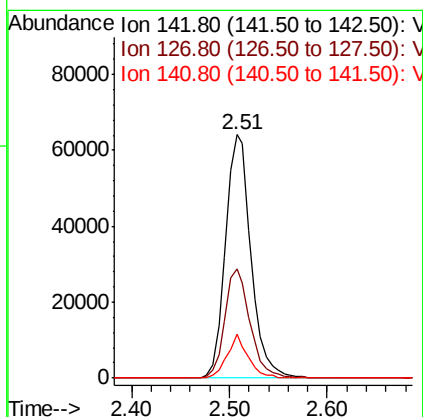
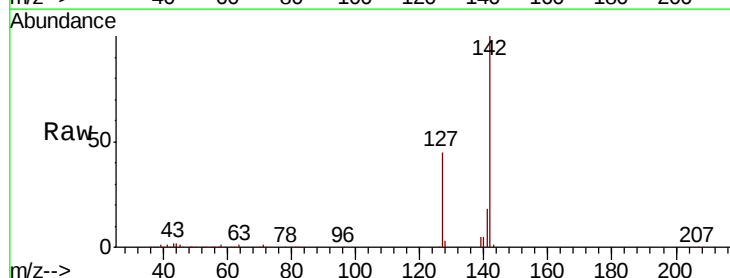
Manual Integrations
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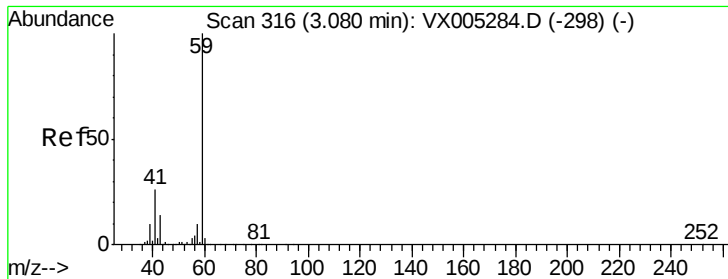
MMDadoda
10/23/2018 1:28:05 PM



#10
Methyl Iodide
Concen: 57.655 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.4	33.8	50.6
141	15.0	11.4	17.0





#11

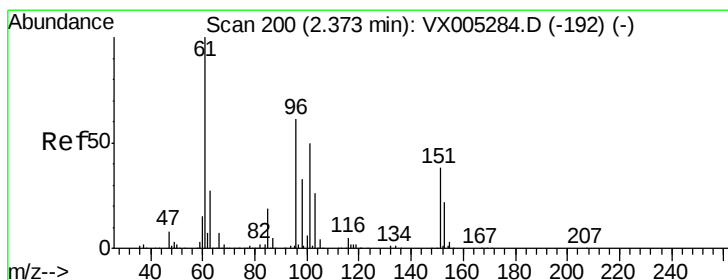
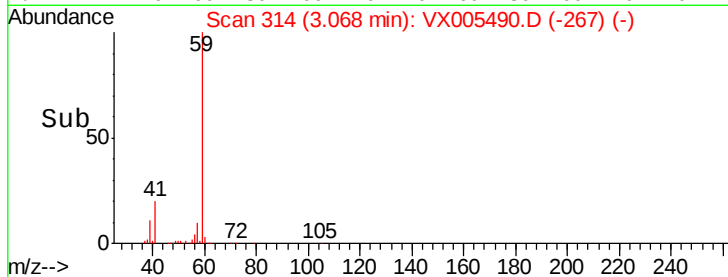
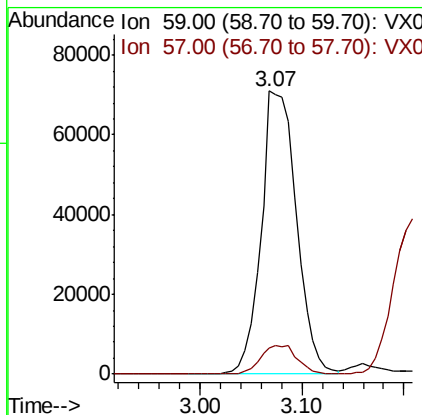
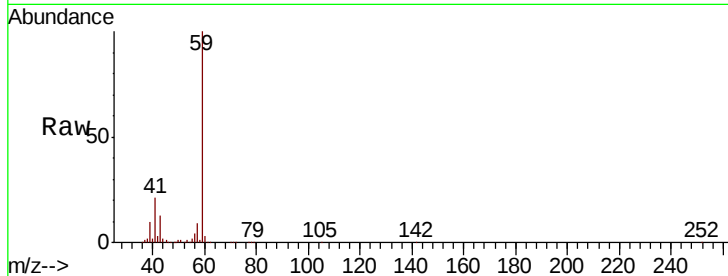
Tert butyl alcohol
Concen: 265.446 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

Manual Integrations
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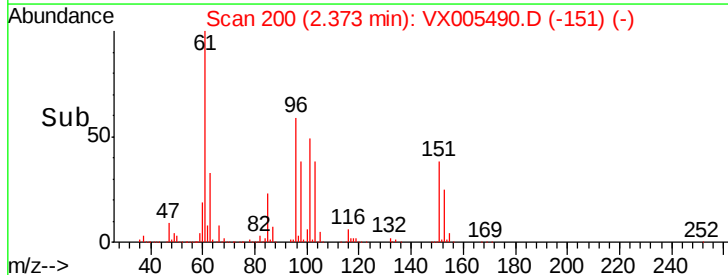
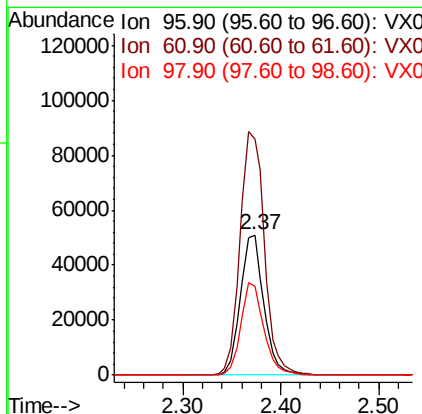
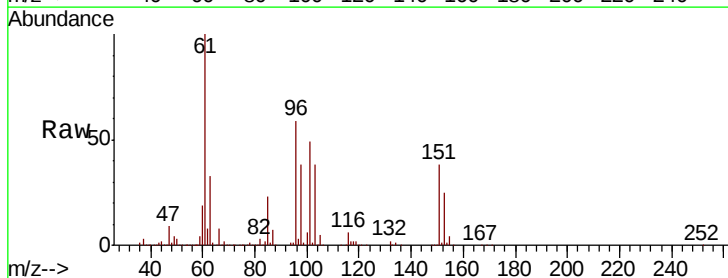
MMDadoda
10/23/2018 1:28:05 PM

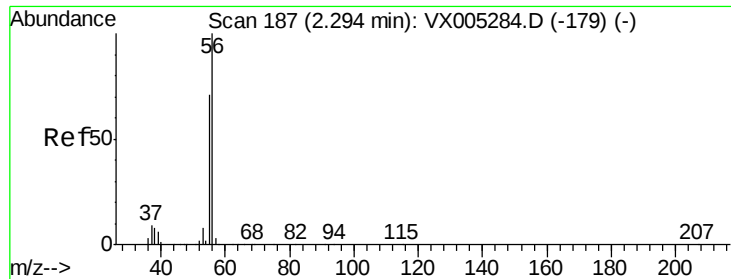


#12

1,1-Dichloroethene
Concen: 47.093 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.3	128.8	193.2
98	63.7	52.2	78.2





#13

Acrolein

Concen: 205.811 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 84788

Ion Ratio Lower Upper

56 100

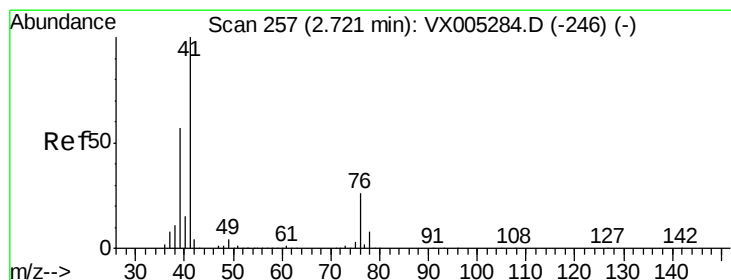
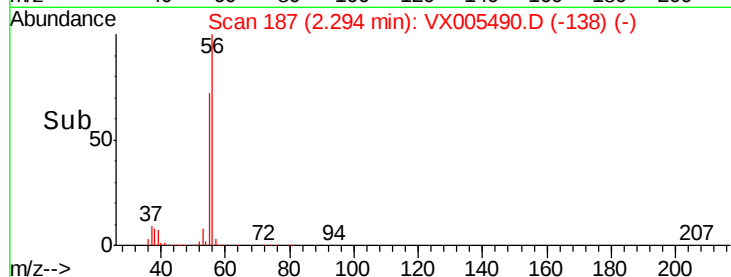
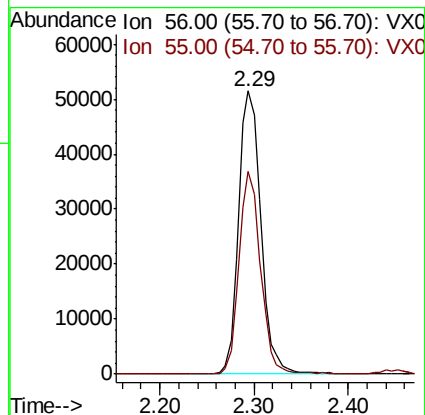
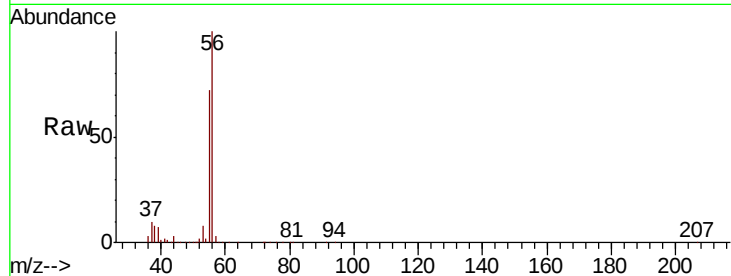
55 69.2 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 51.486 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

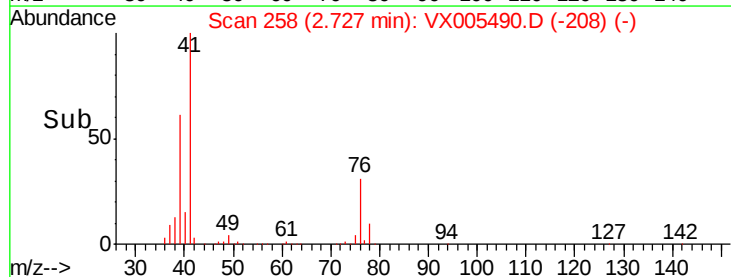
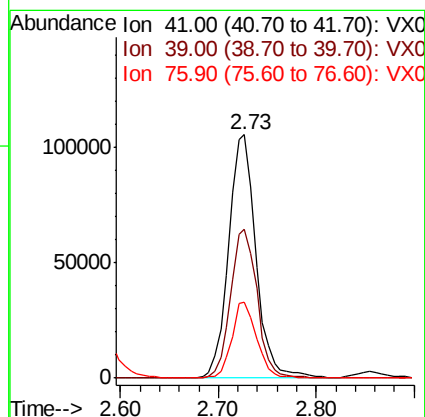
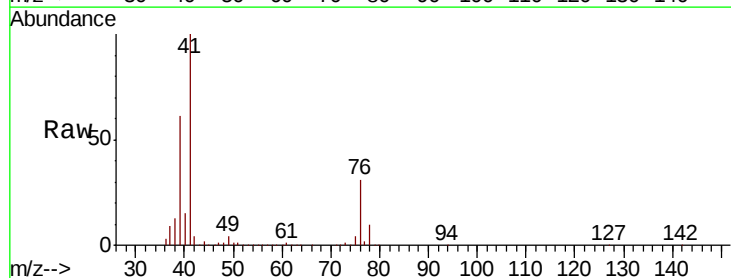
Tgt Ion: 41 Resp: 203781

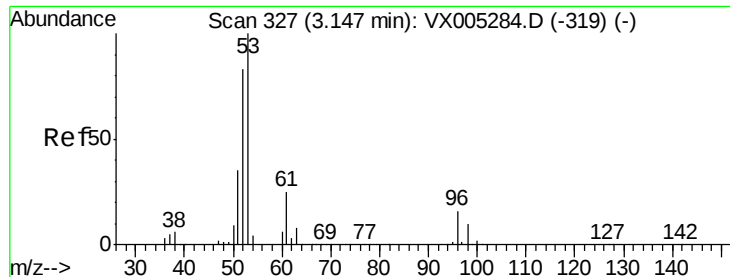
Ion Ratio Lower Upper

41 100

39 59.2 48.9 73.3

76 28.7 26.7 40.1





#15

Acrylonitrile

Concen: 267.529 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

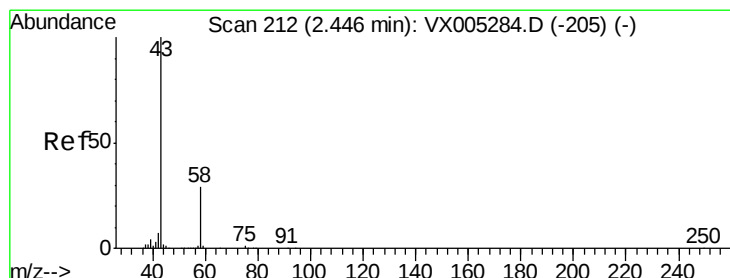
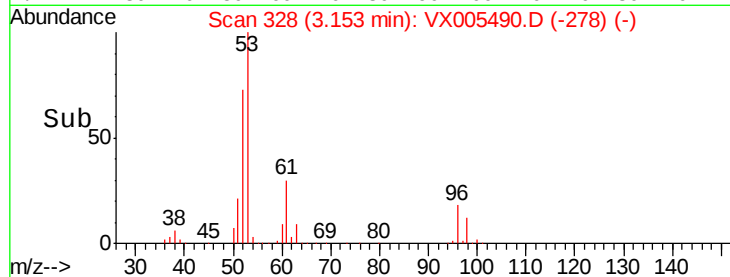
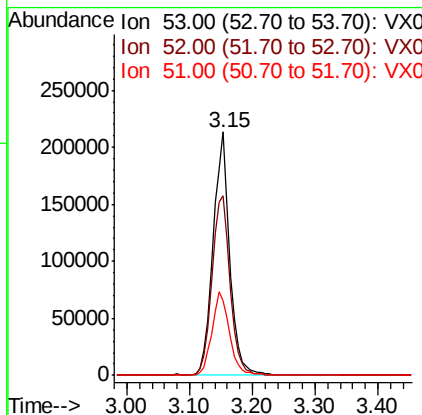
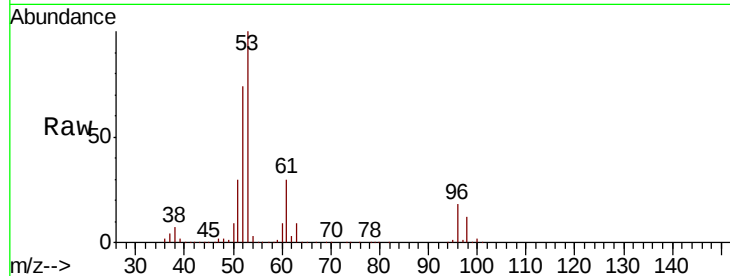
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	390663
Ion Ratio	Lower	Upper	
53	100		
52	80.2	65.2	97.8
51	36.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 266.425 ug/l

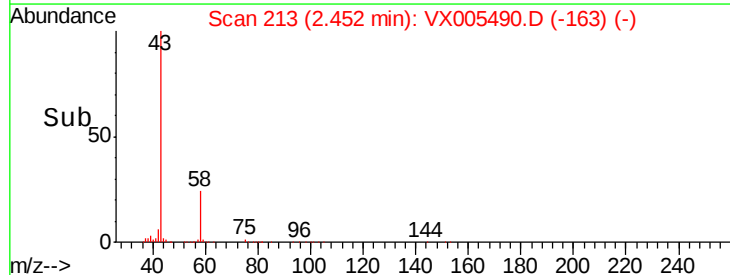
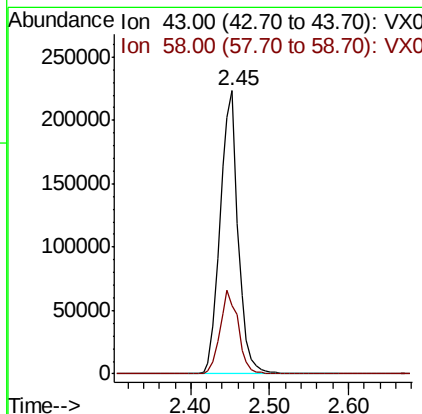
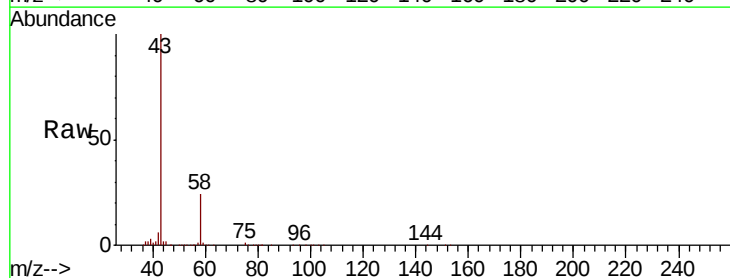
RT: 2.45 min Scan# 213

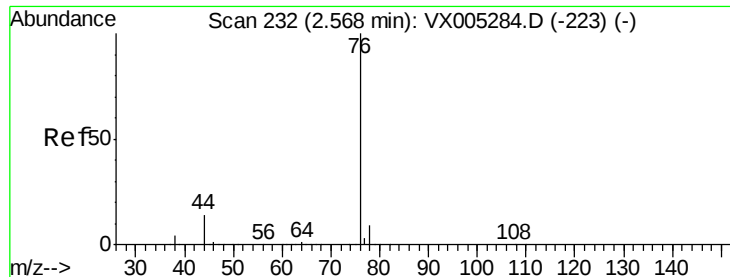
Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Tgt Ion:	43	Resp:	351902
Ion Ratio	Lower	Upper	
43	100		
58	24.2	26.2	39.4#





#17

Carbon Disulfide

Concen: 43.741 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 238873

Ion Ratio Lower Upper

76 100

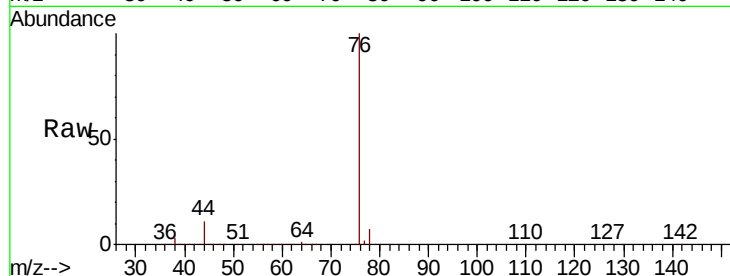
78 7.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

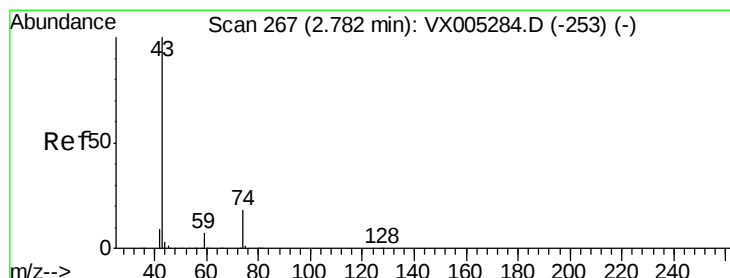
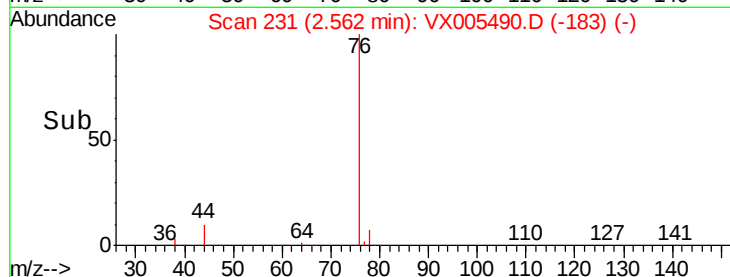
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 61.601 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005490.D

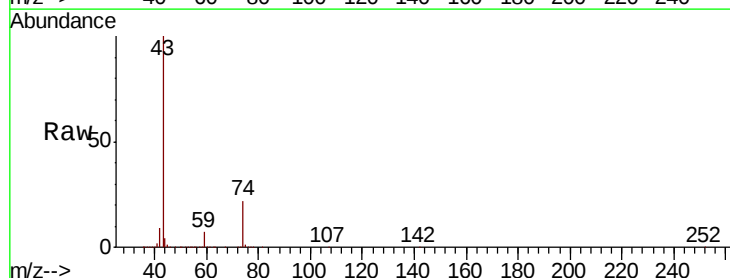
Acq: 23 Oct 2018 00:33

Tgt Ion: 43 Resp: 231482

Ion Ratio Lower Upper

43 100

74 21.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

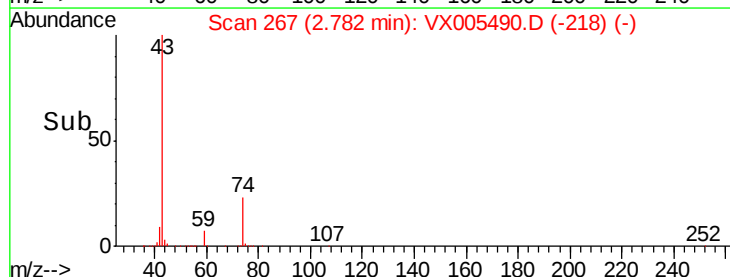
150000

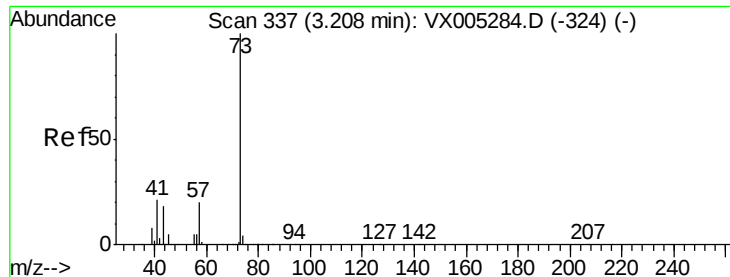
100000

50000

0

Time-->





#19

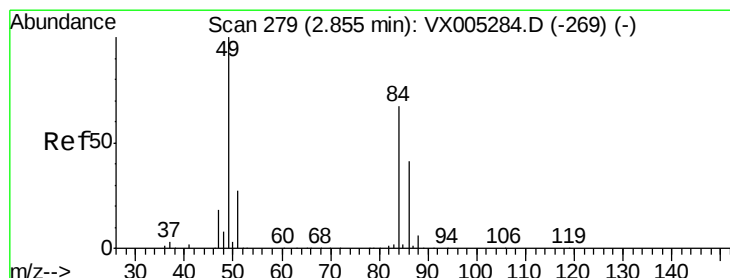
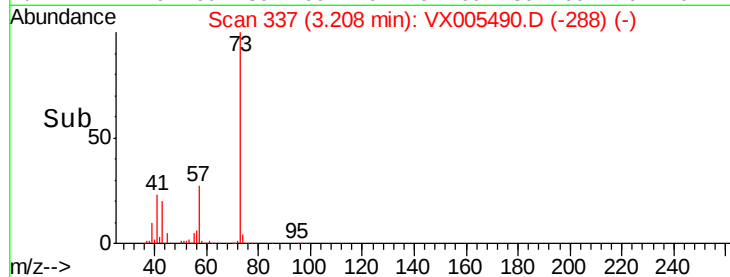
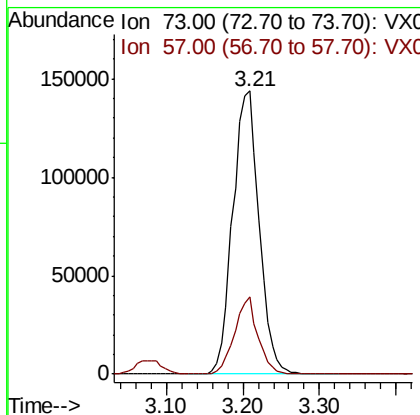
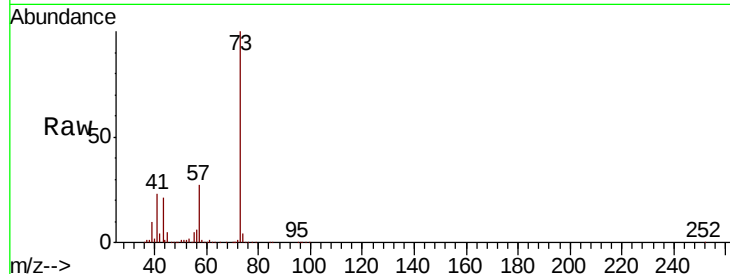
Methyl tert-butyl Ether
 Concen: 54.002 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 342872
 Ion Ratio Lower Upper
 73 100
 57 27.2 17.1 25.7#

Manual Integrations
 APPROVED

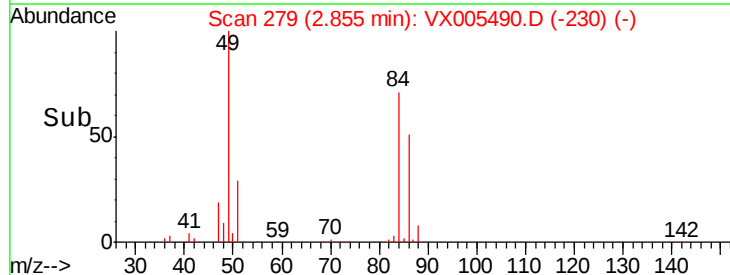
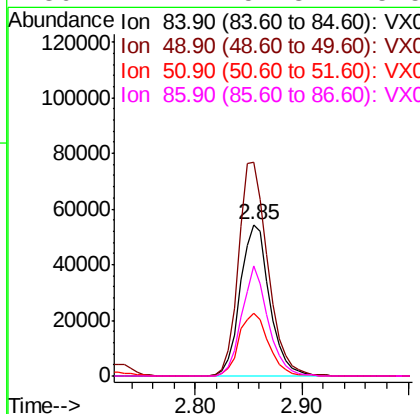
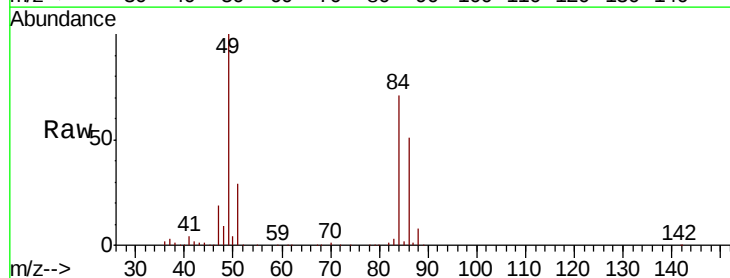
MMDadoda
 10/23/2018 1:28:05 PM

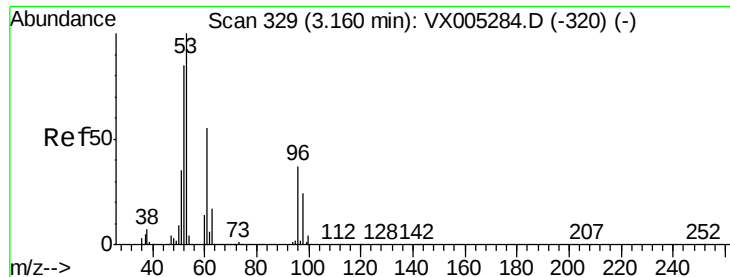


#20

Methylene Chloride
 Concen: 54.977 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion: 84 Resp: 105556
 Ion Ratio Lower Upper
 84 100
 49 141.1 101.2 151.8
 51 41.0 29.5 44.3
 86 72.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.394 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

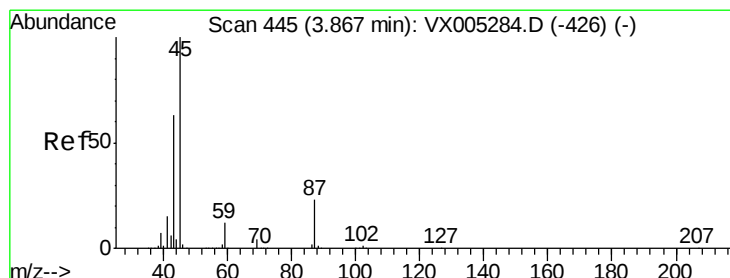
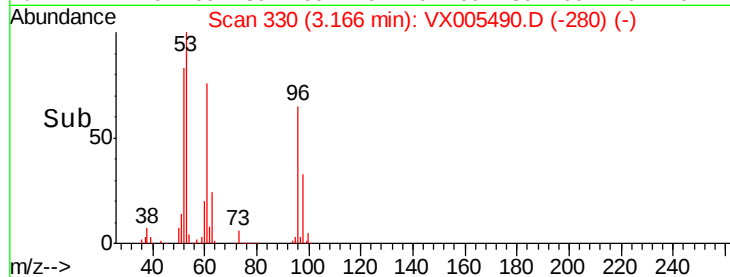
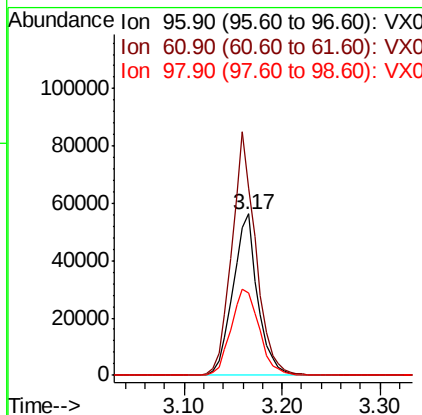
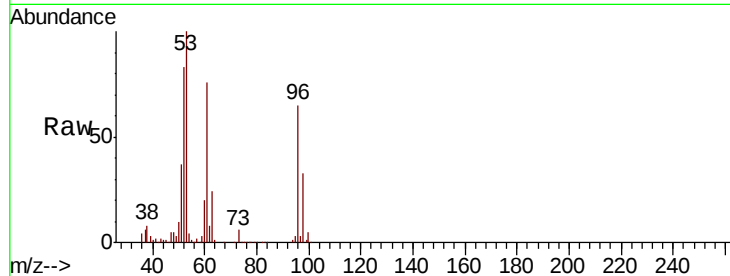
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	98682
Ion Ratio	Lower	Upper	
96	100		
61	116.5	113.8	170.6
98	50.7	51.8	77.8#

Manual Integrations
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10/23/2018 1:28:05 PM



#22

Diisopropyl ether

Concen: 56.474 ug/l

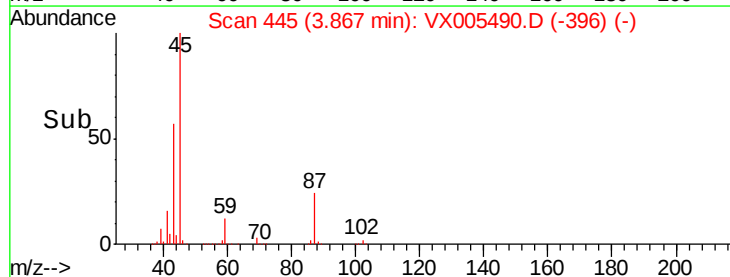
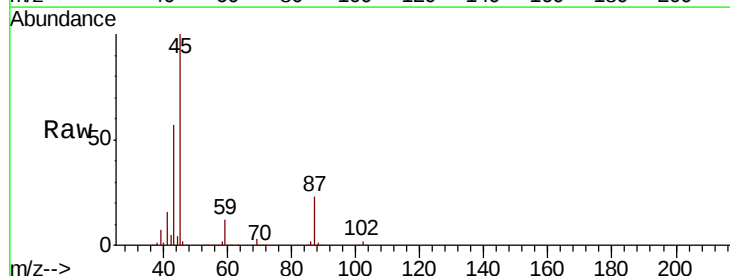
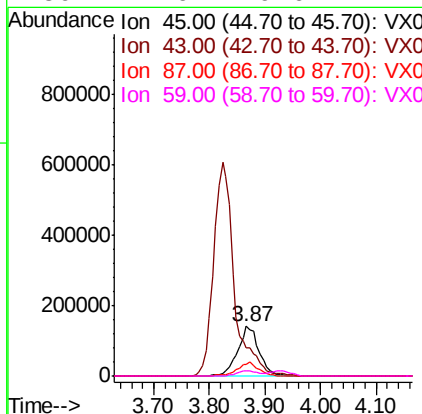
RT: 3.87 min Scan# 445

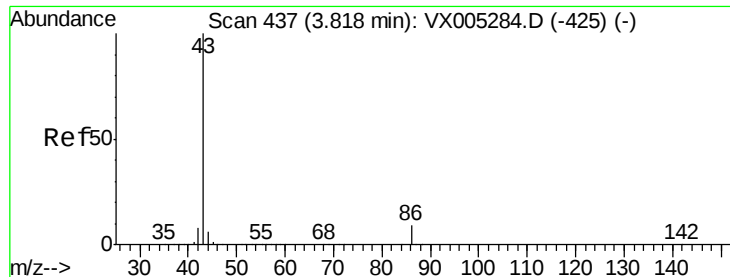
Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Tgt Ion:	45	Resp:	375439
Ion Ratio	Lower	Upper	
45	100		
43	57.0	42.8	64.2
87	23.5	22.6	34.0
59	11.6	9.6	14.4





#23

Vinyl Acetate

Concen: 269.075 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1563468

Ion Ratio Lower Upper

43 100

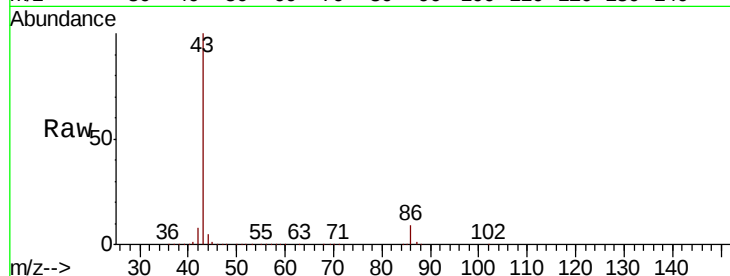
86 9.3 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

600000

400000

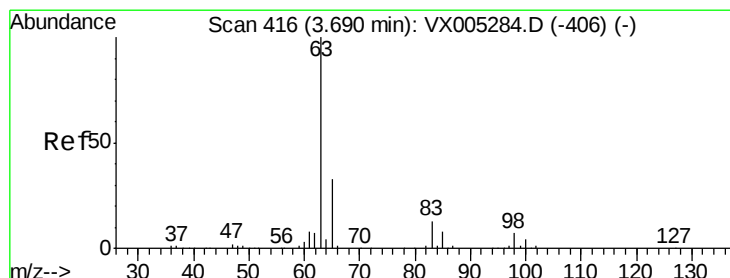
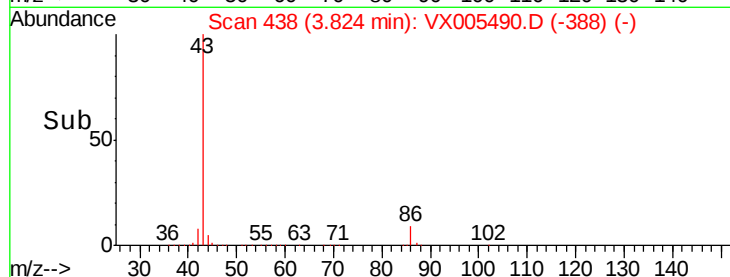
200000

0

3.82

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.199 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

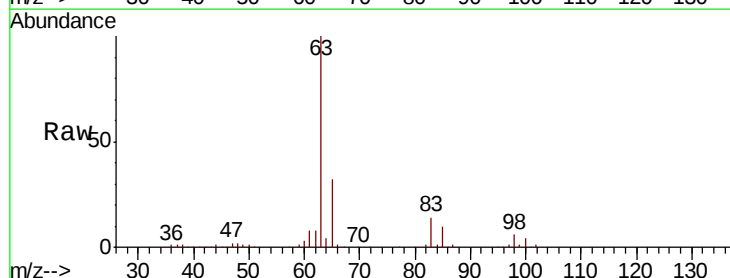
Tgt Ion: 63 Resp: 195069

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 4.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

60000

40000

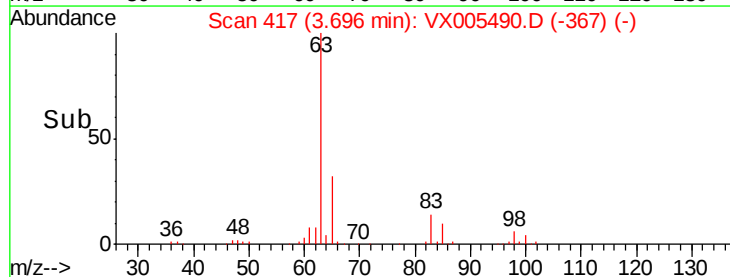
20000

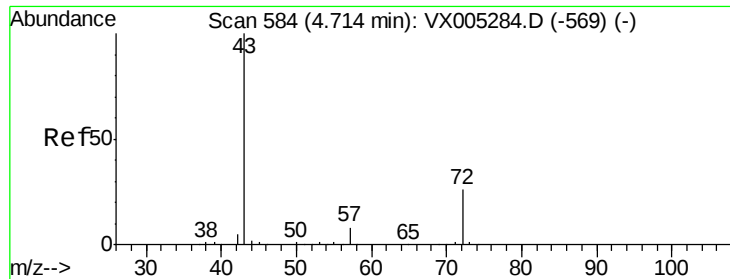
0

3.70

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 282.781 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 546483

Ion Ratio Lower Upper

43 100

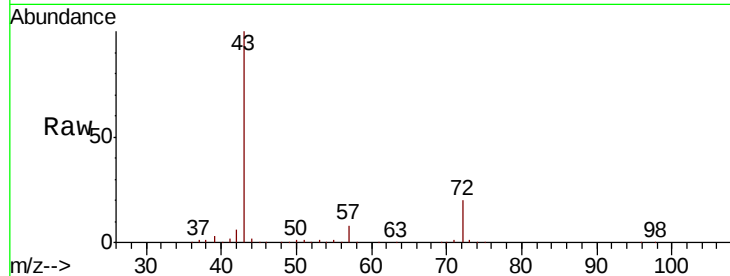
72 20.3 22.0 33.0#

Manual Integrations

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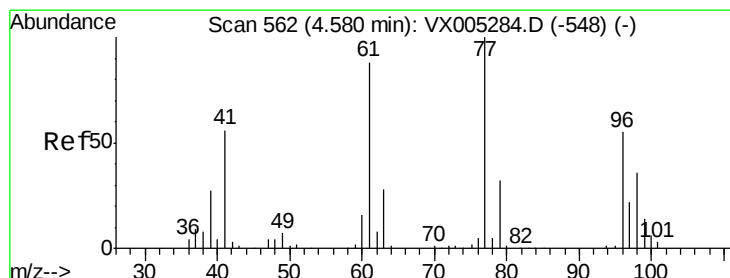
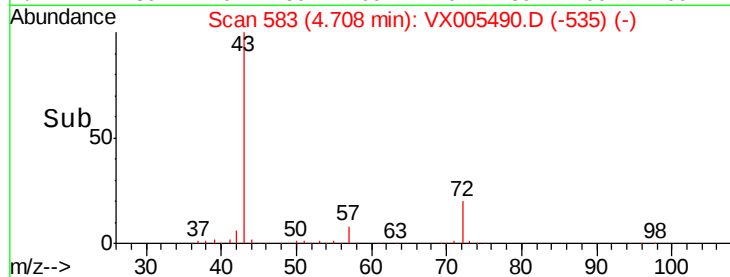
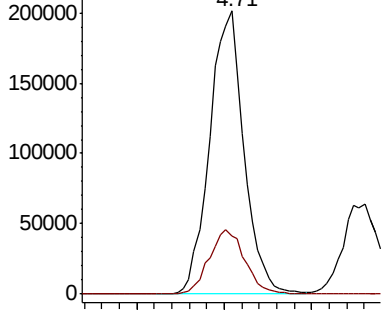
MMDadoda

10/23/2018 1:28:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 42.911 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005490.D

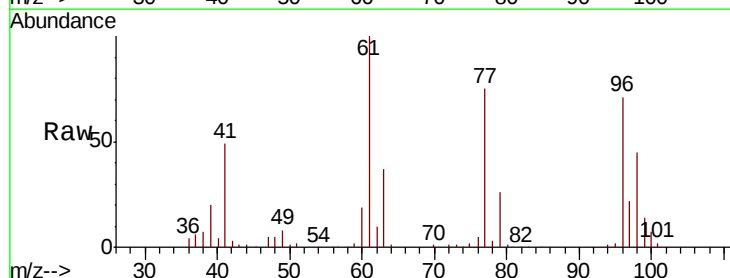
Acq: 23 Oct 2018 00:33

Tgt Ion: 77 Resp: 122272

Ion Ratio Lower Upper

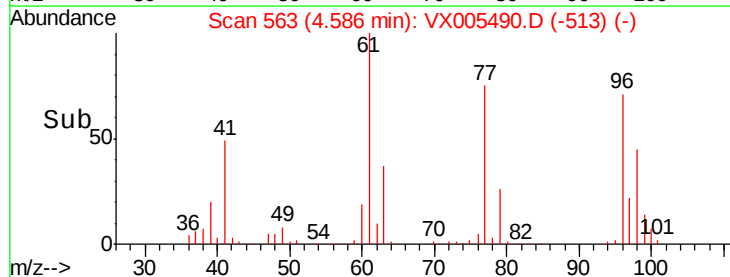
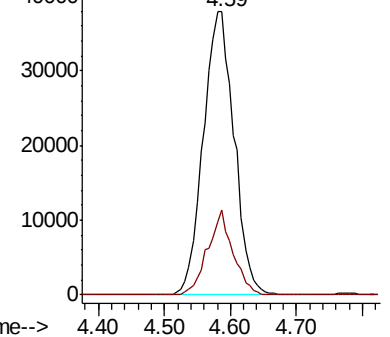
77 100

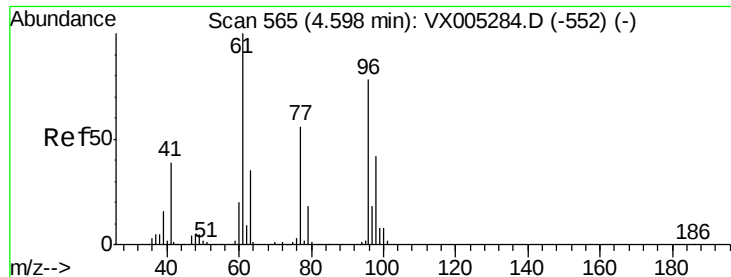
97 24.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

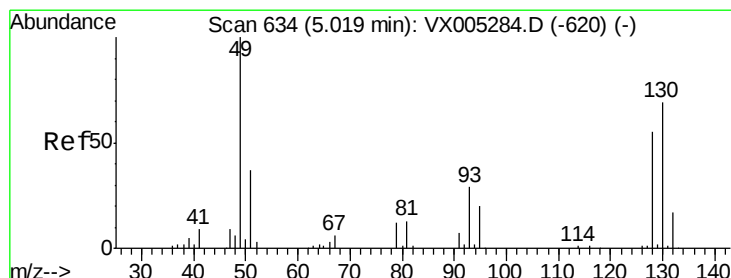
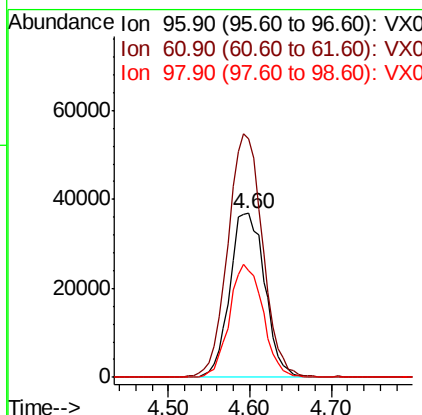
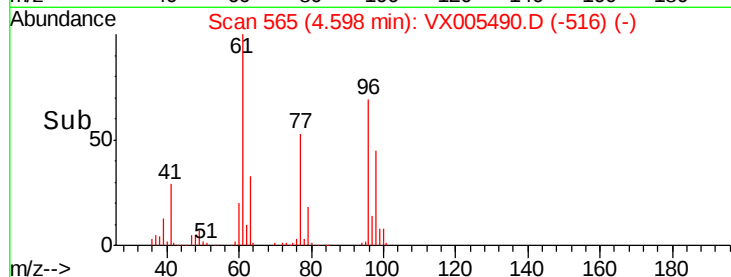
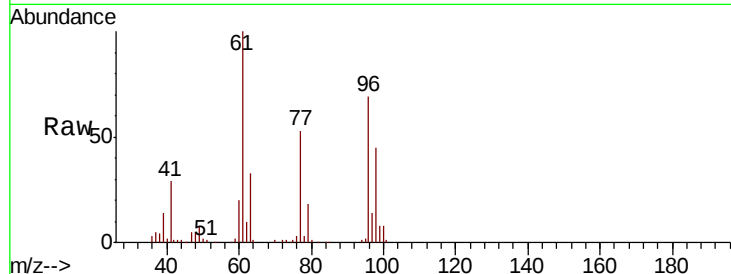
cis-1,2-Dichloroethene
Concen: 50.489 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.4	0.0	282.6	
98	65.8	0.0	130.2	

Manual Integrations
APPROVED

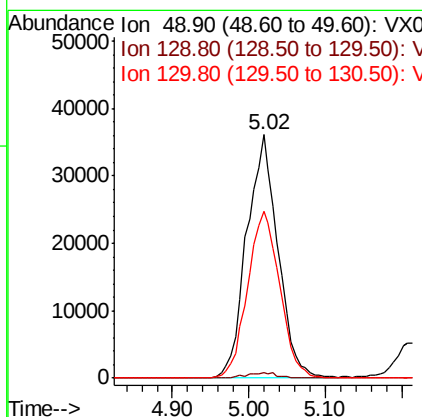
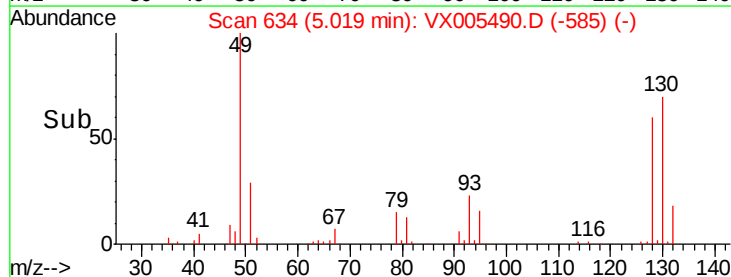
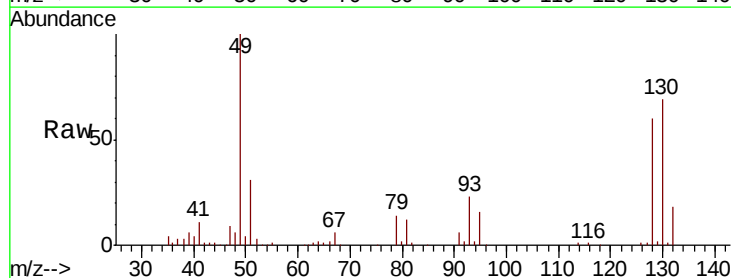
MMDadoda
10/23/2018 1:28:05 PM

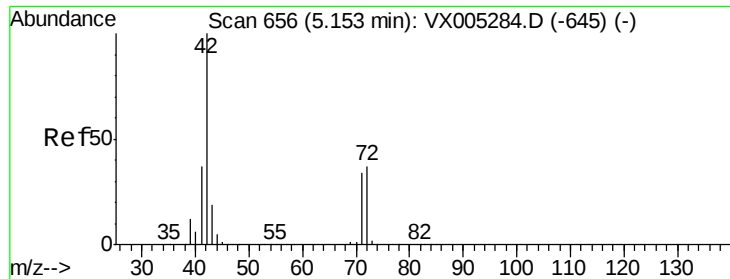


#28

Bromochloromethane
Concen: 59.060 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.2	
130	70.7	67.5	101.3	





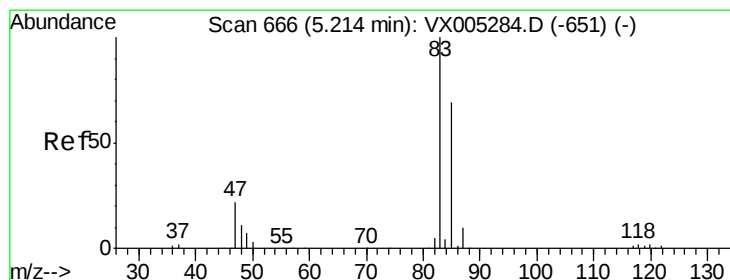
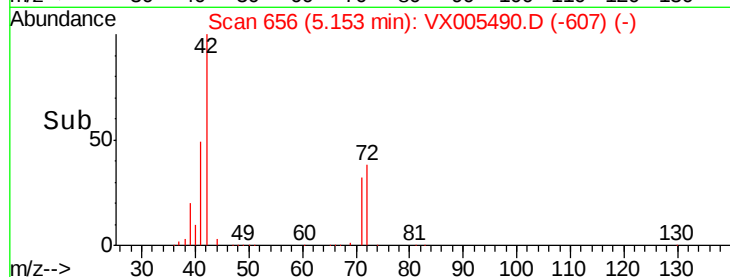
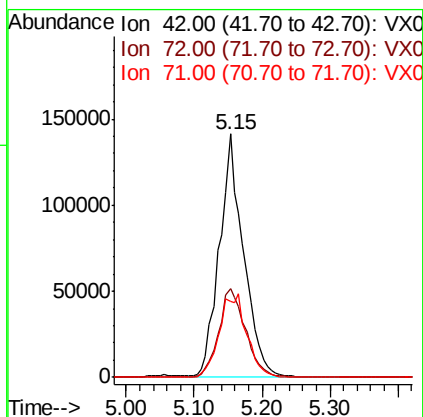
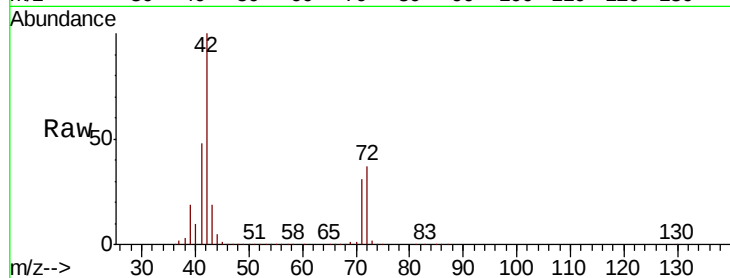
#29
Tetrahydrofuran
Concen: 281.235 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	37.4	56.0
71	39.2	34.5	51.7

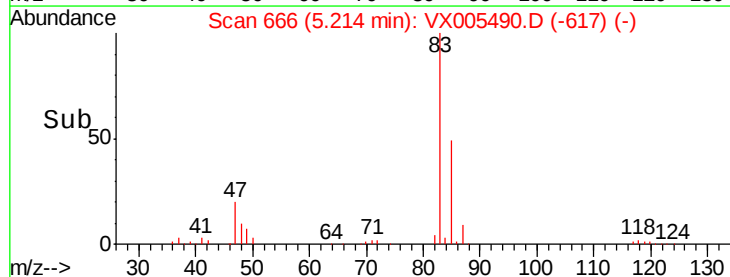
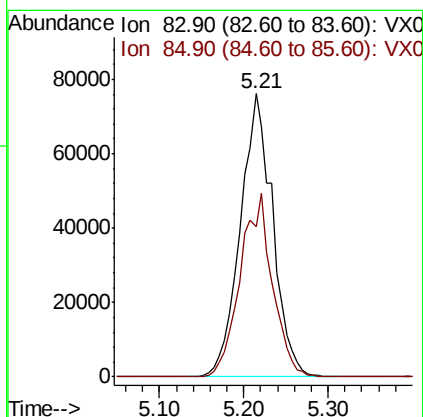
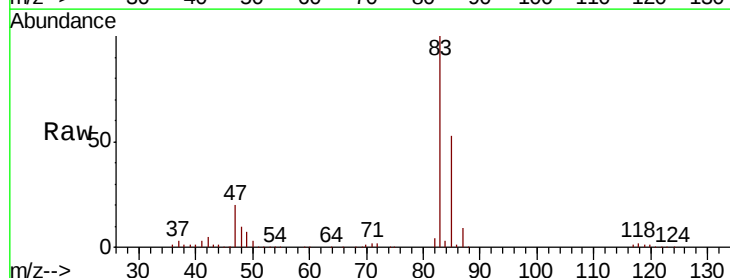
Manual Integrations
APPROVED

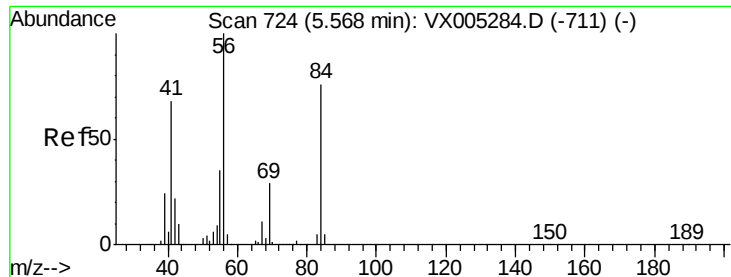
MMDadoda
10/23/2018 1:28:05 PM



#30
Chloroform
Concen: 55.904 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.1	52.6	79.0





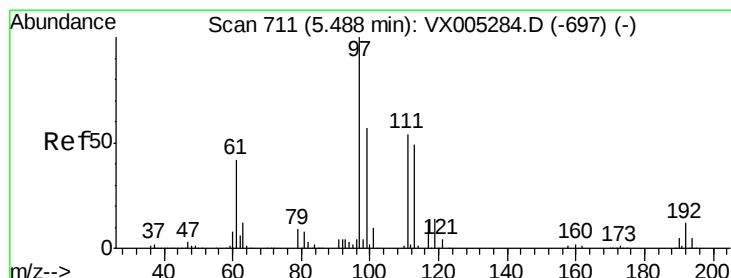
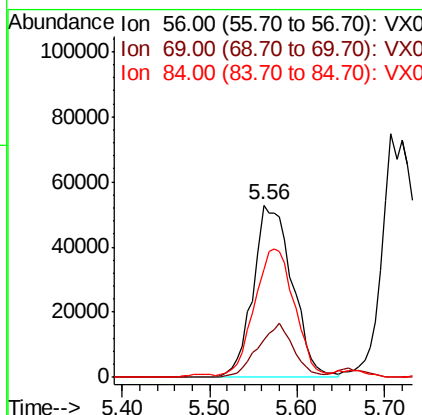
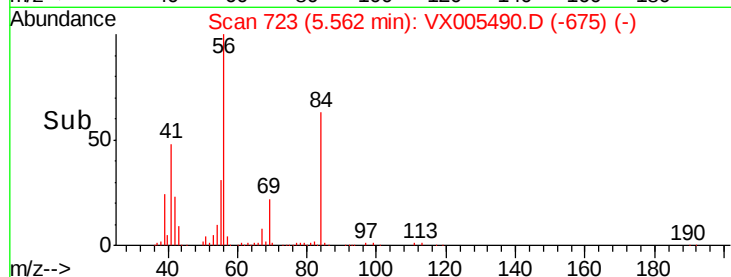
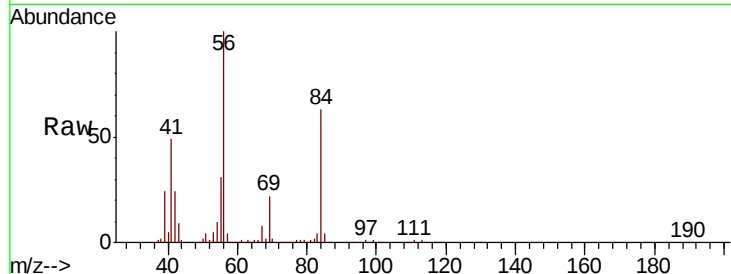
#31
Cyclohexane
Concen: 52.197 ug/l
RT: 5.56 min Scan# 723
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	21.8	25.4	38.2#
84	61.9	71.4	107.2#

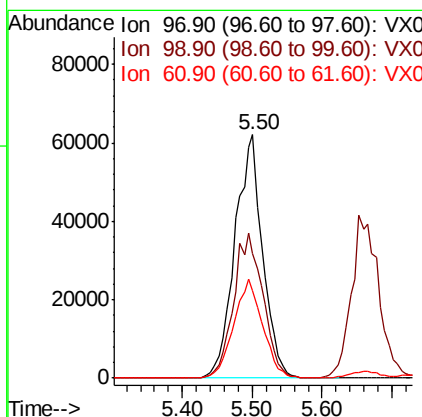
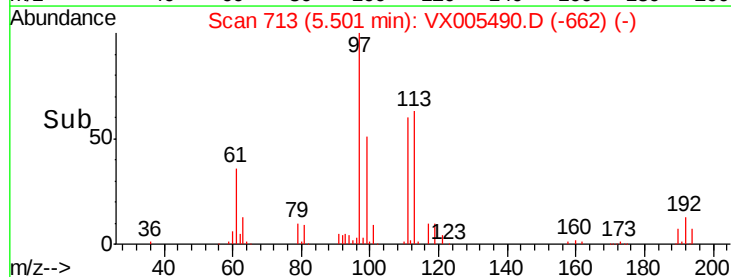
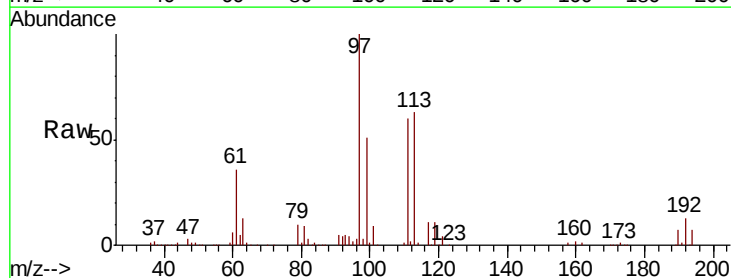
Manual Integrations
APPROVED

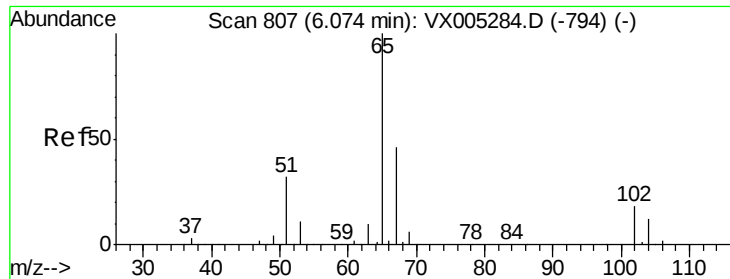
MMDadoda
10/23/2018 1:28:05 PM



#32
1,1,1-Trichloroethane
Concen: 55.268 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.0	78.0
61	42.7	34.9	52.3





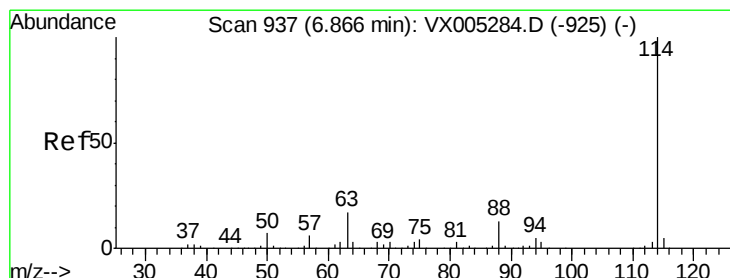
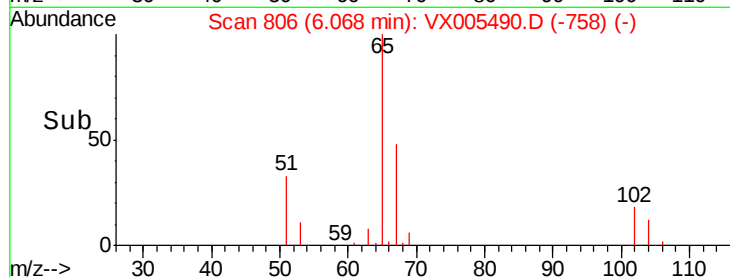
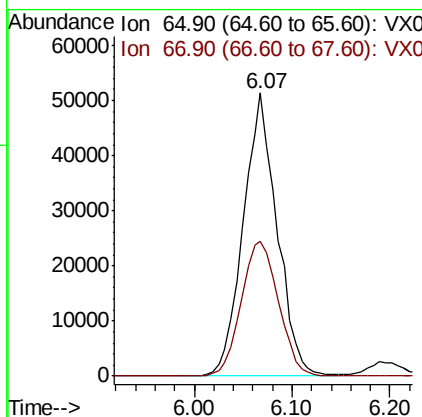
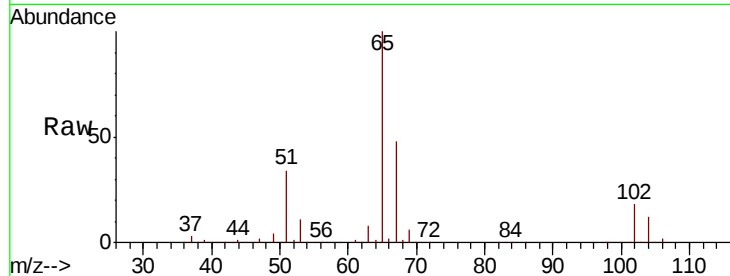
#33
 1,2-Dichloroethane-d4
 Concen: 53.946 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123236		
67	52.9	0.0	106.8	

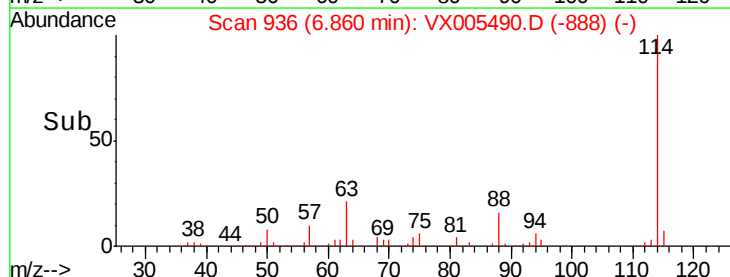
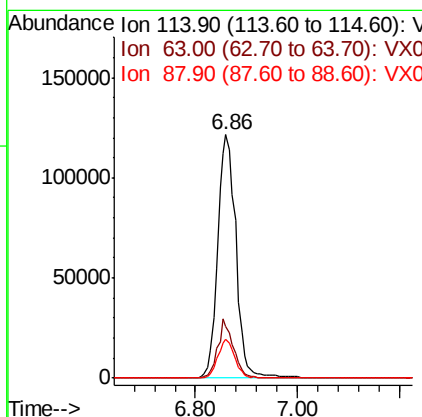
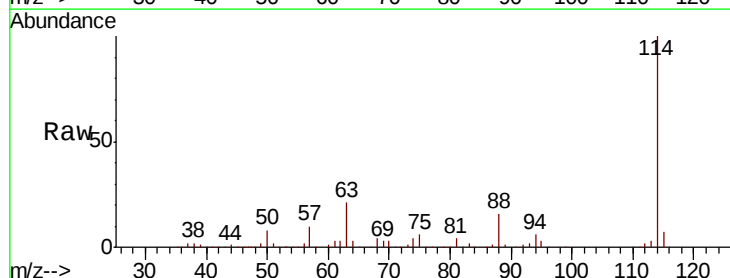
Manual Integrations
 APPROVED

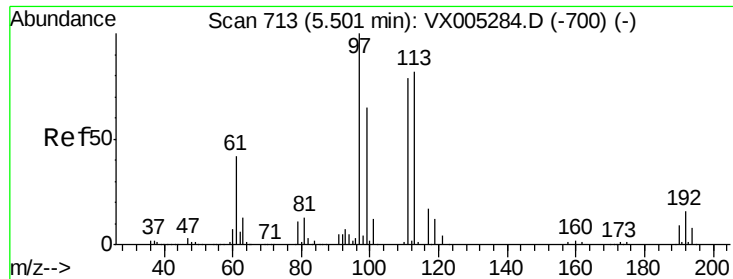
MMDadoda
 10/23/2018 1:28:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302084		
63	21.3	0.0	39.0	
88	15.7	0.0	30.4	





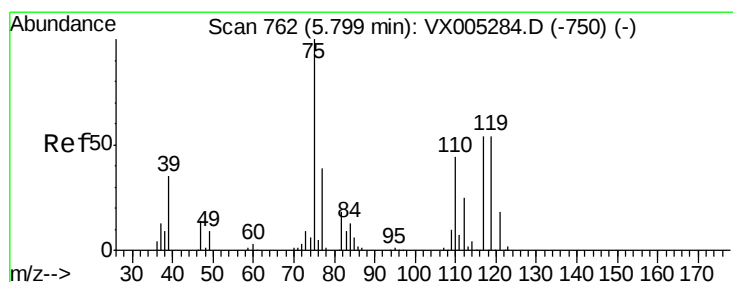
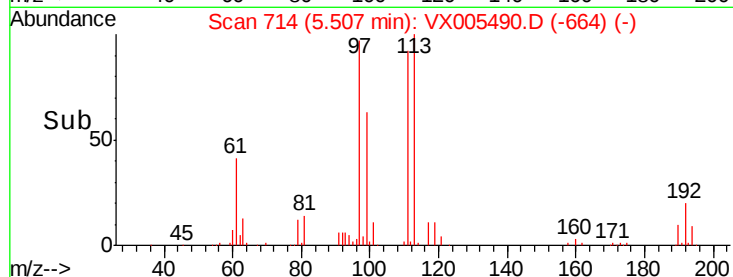
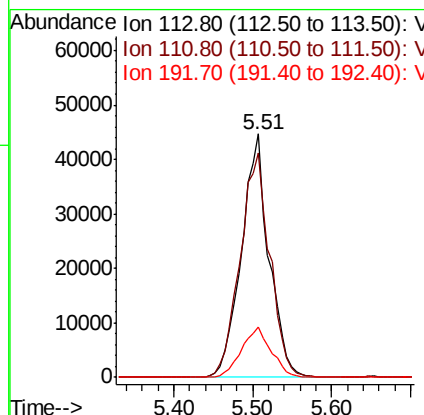
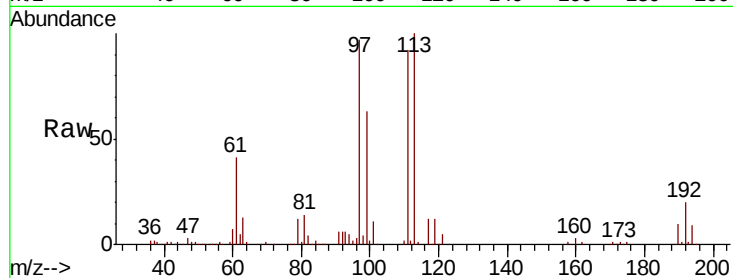
#35
Dibromofluoromethane
Concen: 54.108 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	99.7	82.4	123.6	
192	22.2	19.4	29.2	

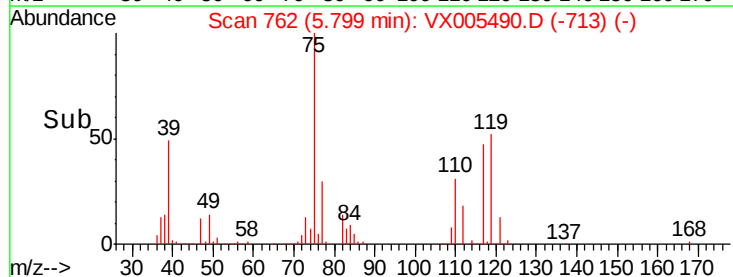
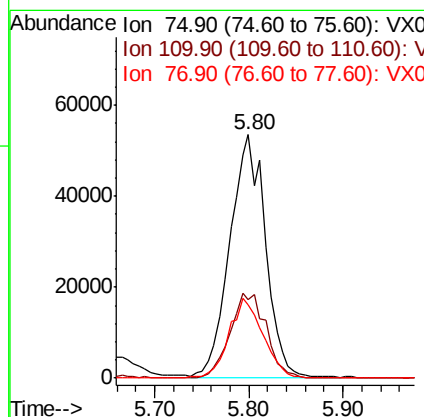
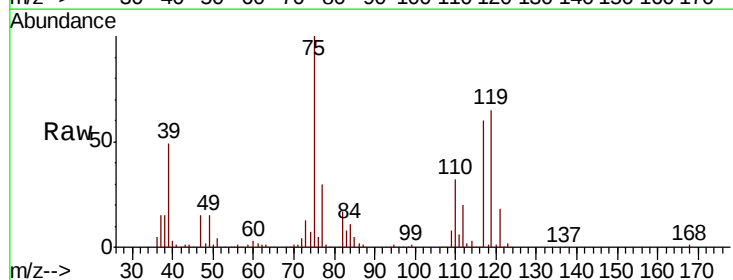
Manual Integrations
APPROVED

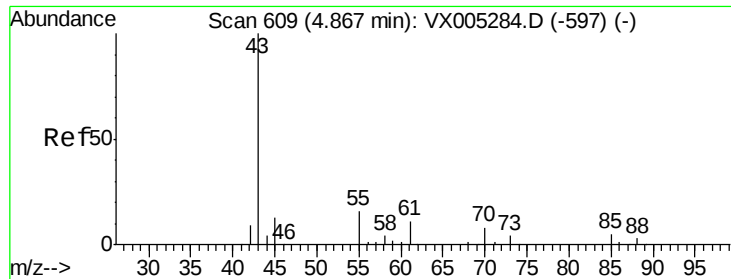
MMDadoda
10/23/2018 1:28:05 PM



#36
1,1-Dichloropropene
Concen: 47.519 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	18.0	54.0	
77	31.1	24.6	36.8	





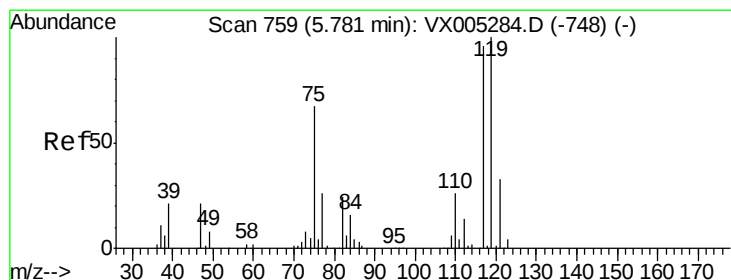
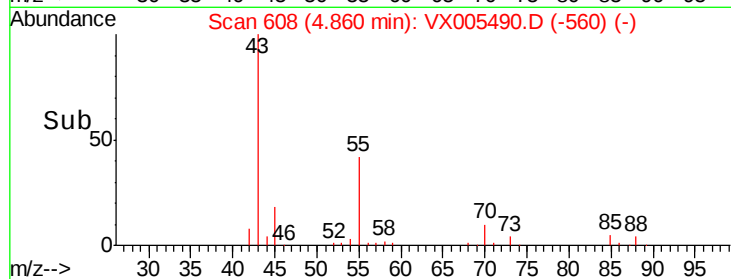
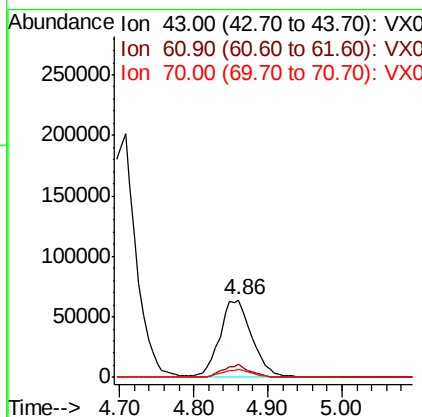
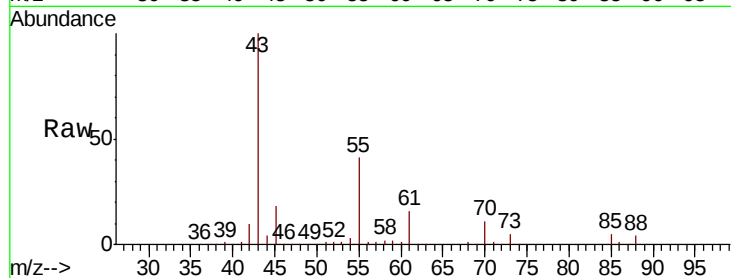
#37
Ethyl Acetate
Concen: 50.820 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	9.9	9.0	13.6

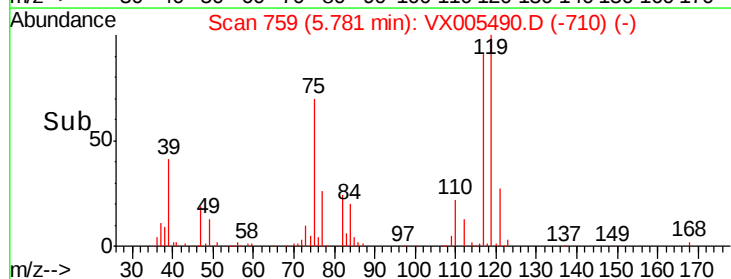
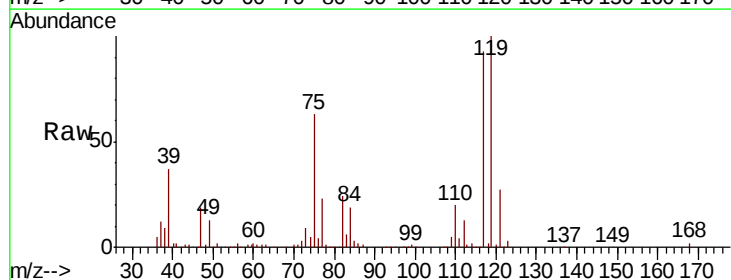
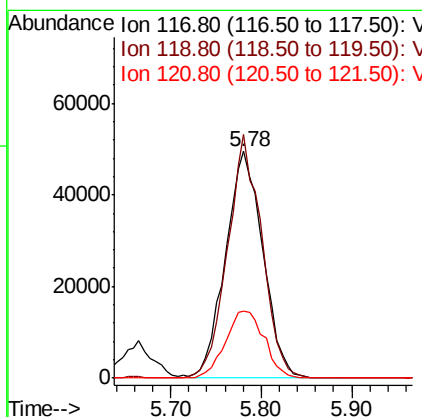
Manual Integrations
APPROVED

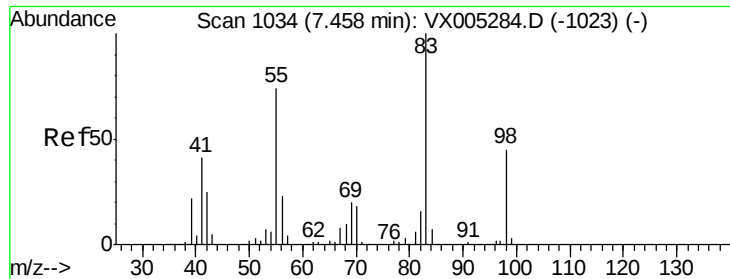
MMDadoda
10/23/2018 1:28:05 PM



#38
Carbon Tetrachloride
Concen: 48.351 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	107.3	78.8	118.2
121	29.3	24.9	37.3





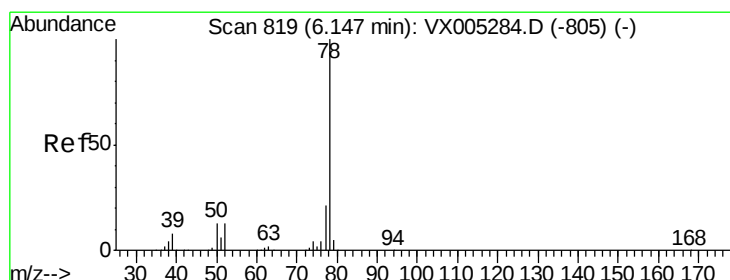
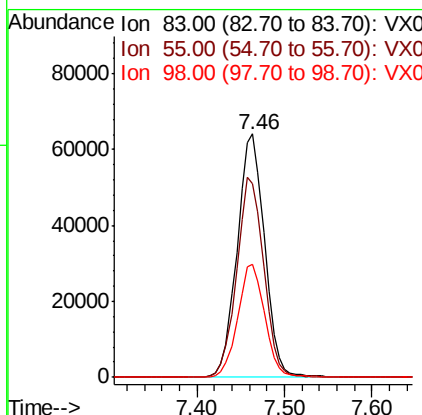
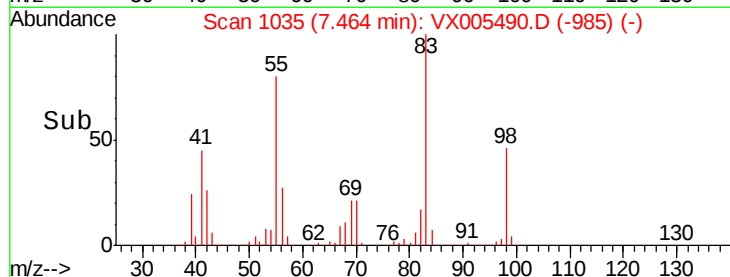
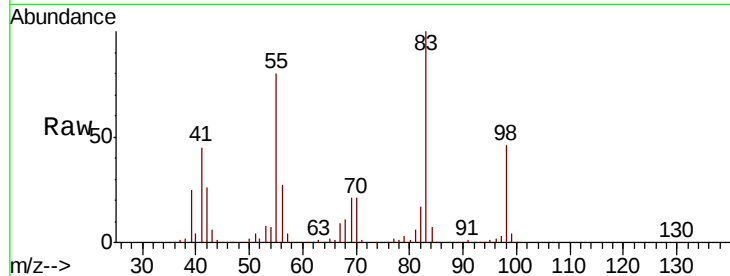
#39
Methvlcvclohexane
Concen: 44.284 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.8	61.0	91.4	
98	46.4	39.6	59.4	

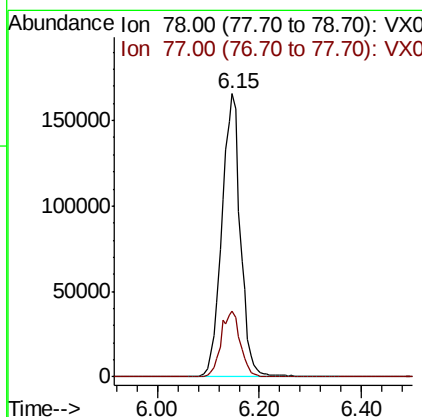
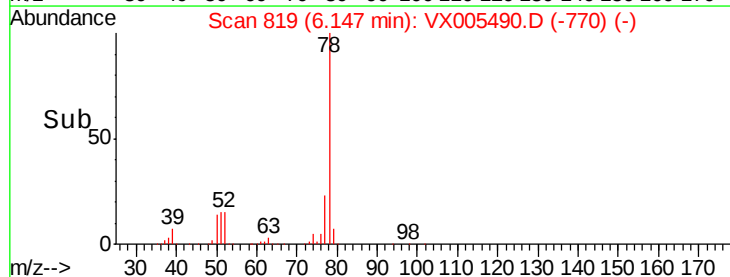
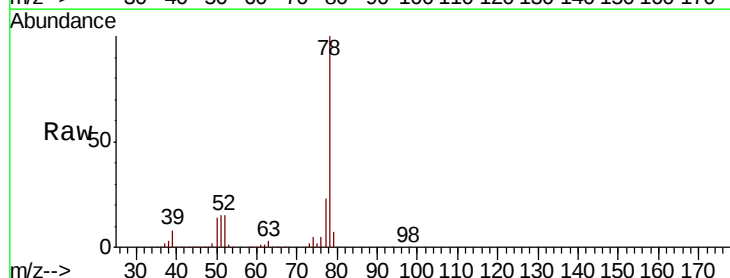
Manual Integrations
APPROVED

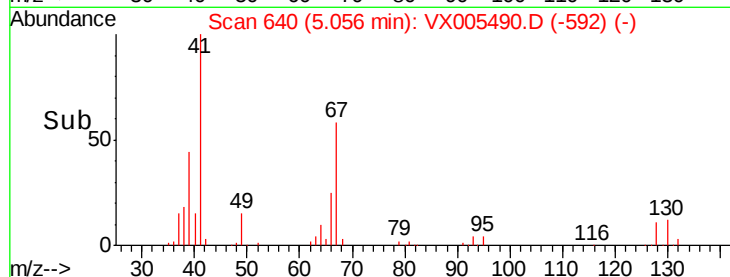
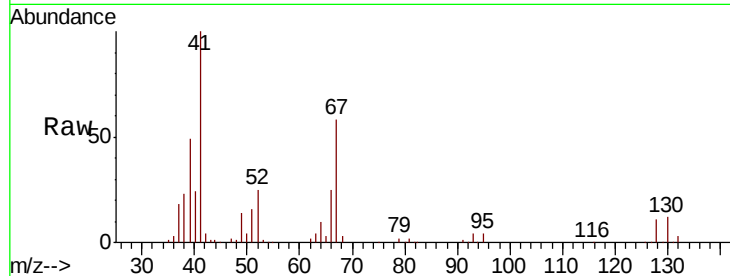
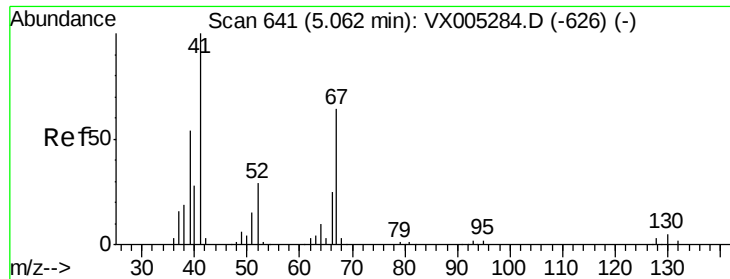
MMDadoda
10/23/2018 1:28:05 PM



#40
Benzene
Concen: 47.933 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	19.0	28.4	





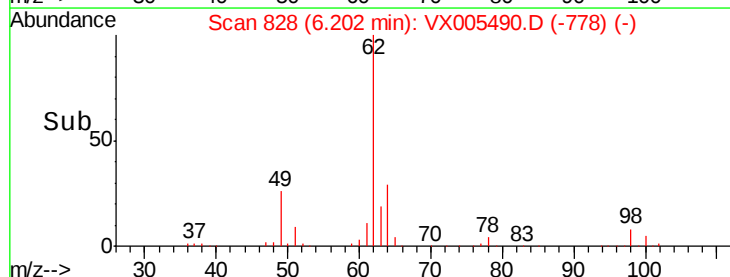
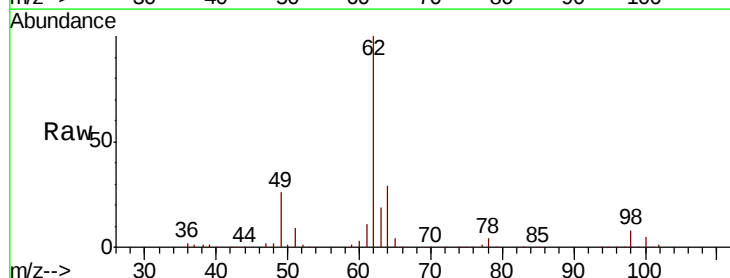
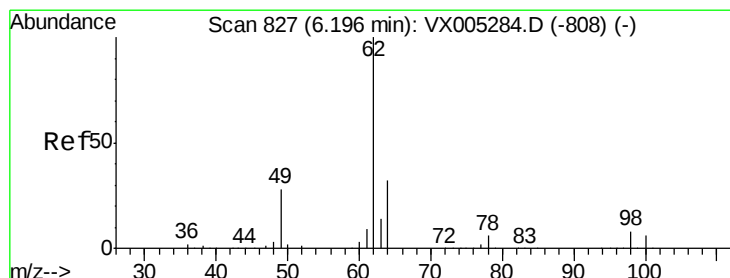
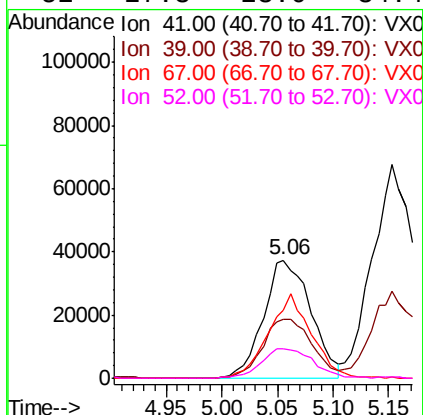
#41
Methacrylonitrile
Concen: 54.666 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.4	63.6	
67	65.3	59.2	88.8	
52	27.3	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

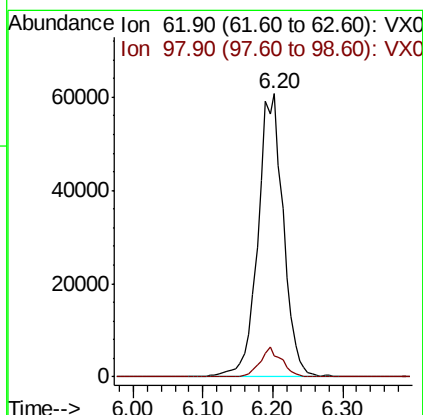
Manual Integrations
APPROVED

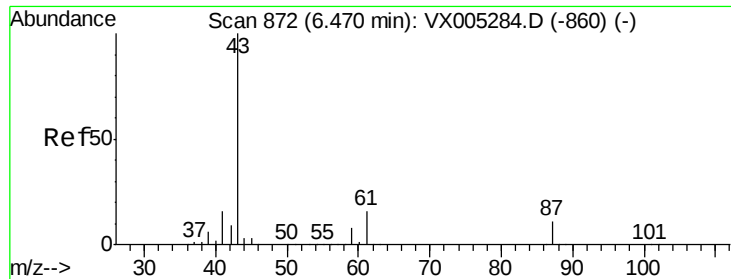
MMDadoda
10/23/2018 1:28:05 PM



#42
1,2-Dichloroethane
Concen: 49.401 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	20.6	





#43

Isopropyl Acetate

Concen: 56.469 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

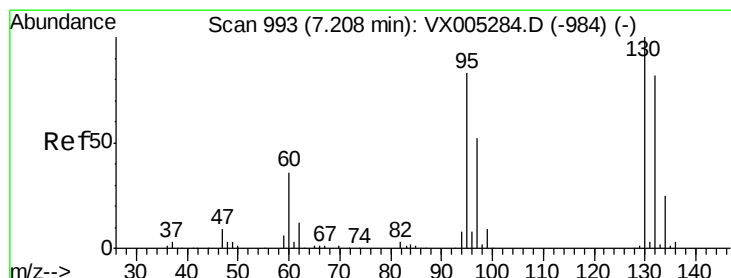
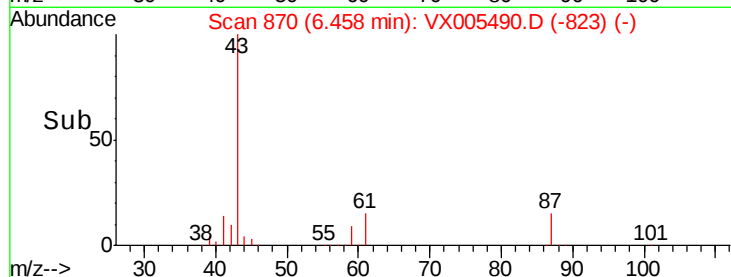
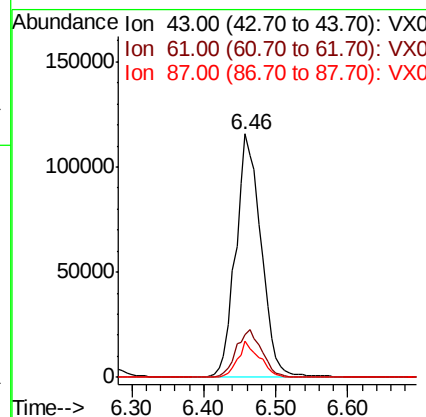
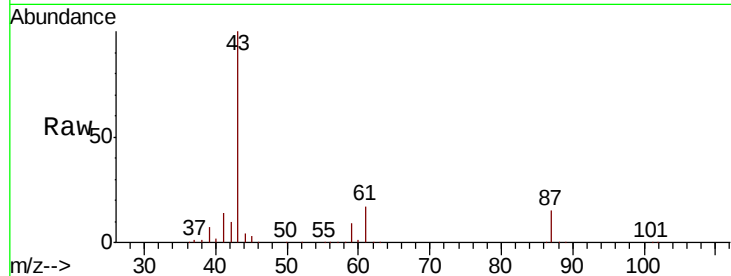
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	283023
Ion	Ratio	Lower	Upper
43	100		
61	19.8	17.0	25.4
87	12.8	11.4	17.2

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#44

Trichloroethene

Concen: 50.501 ug/l

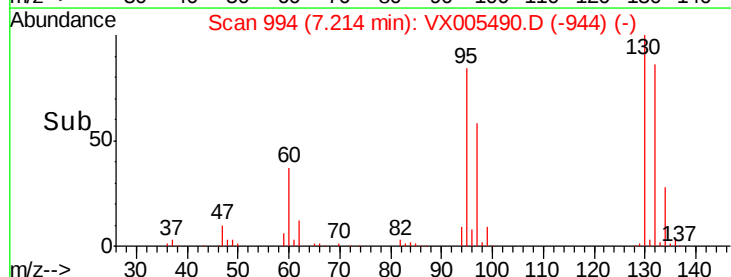
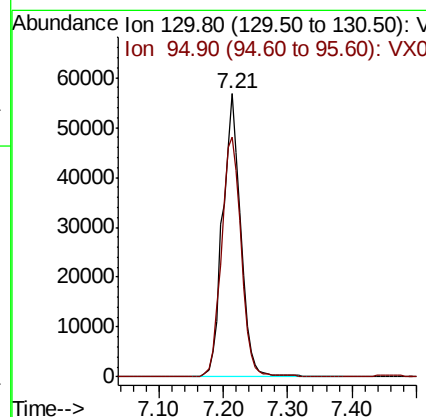
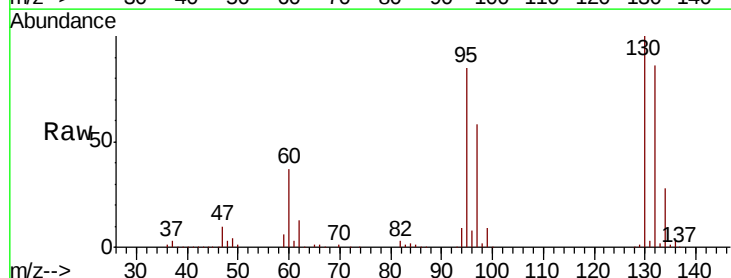
RT: 7.21 min Scan# 994

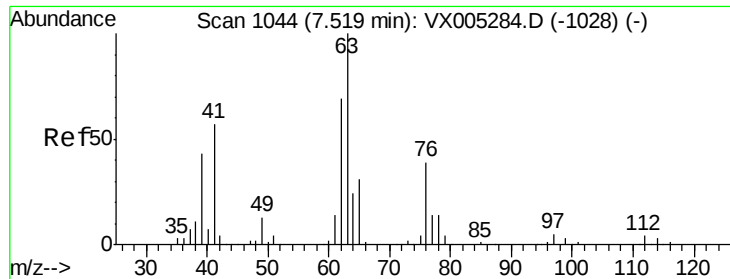
Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Tgt Ion:	130	Resp:	113155
Ion	Ratio	Lower	Upper
130	100		
95	84.7	0.0	181.6





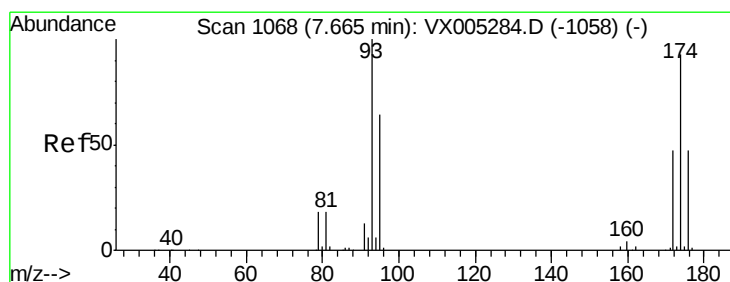
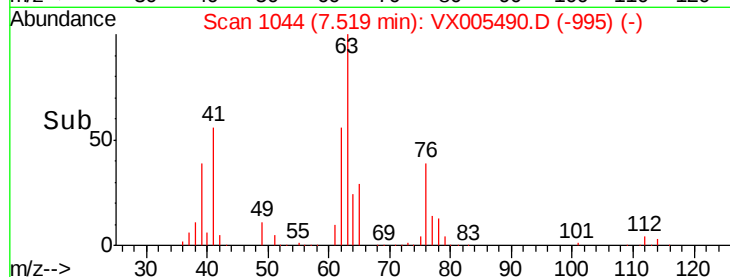
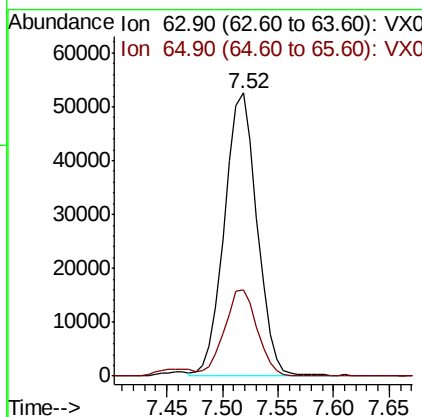
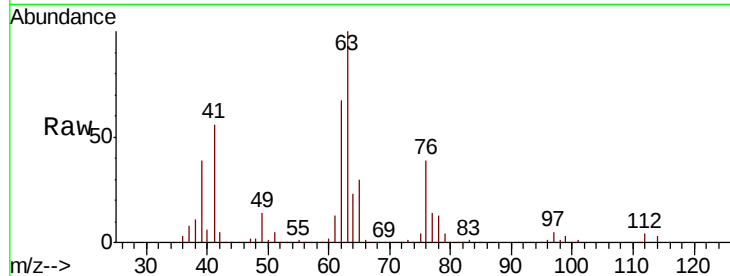
#45
 1,2-Dichloropropane
 Concen: 49.292 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.3	36.5

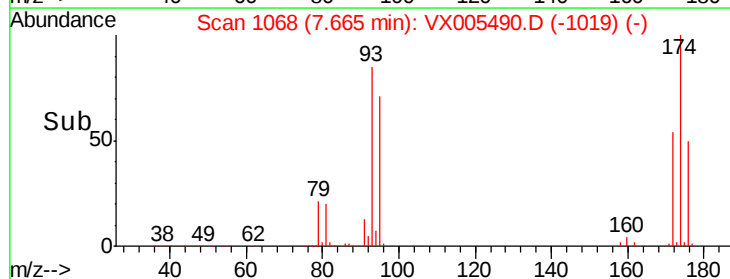
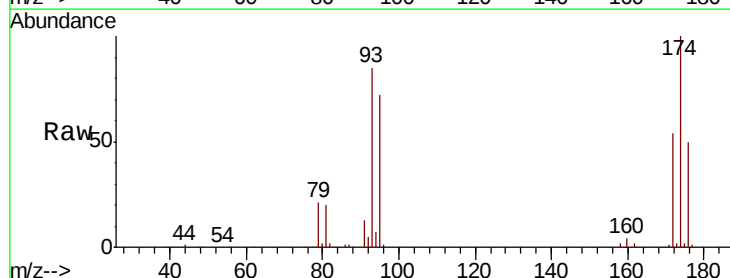
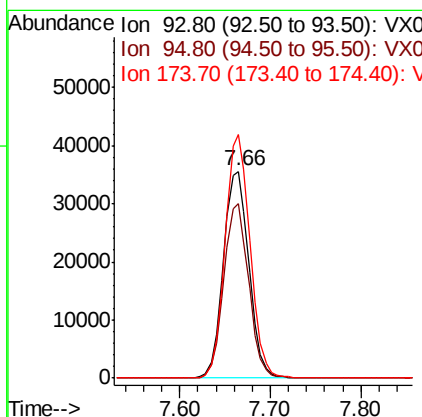
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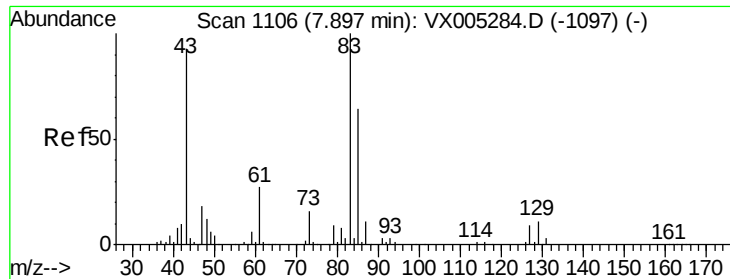
MMDadoda
 10/23/2018 1:28:05 PM



#46
 Dibromomethane
 Concen: 49.014 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.5	98.3
174	114.8	94.2	141.4





#47

Bromodichloromethane

Concen: 52.148 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

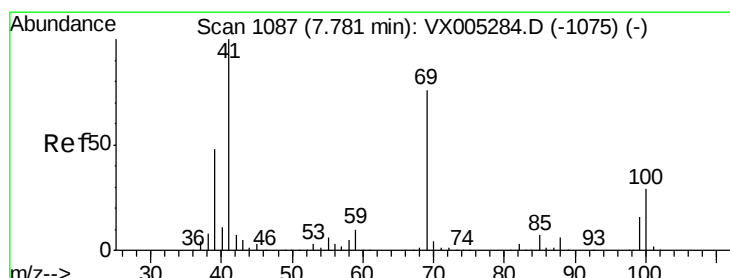
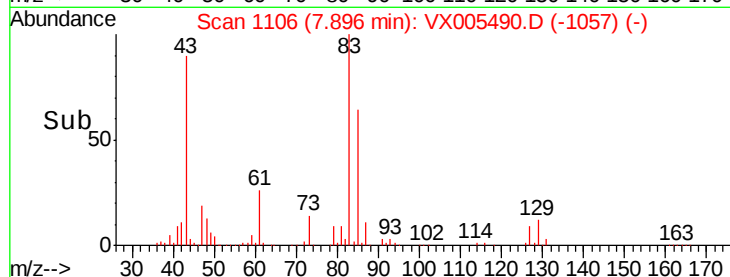
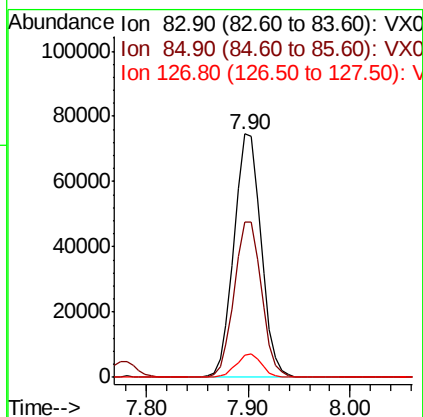
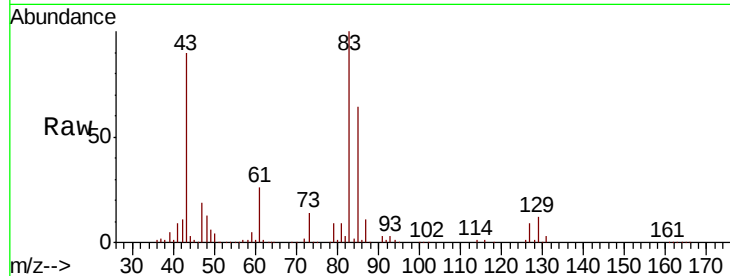
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	137058
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	9.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.119 ug/l

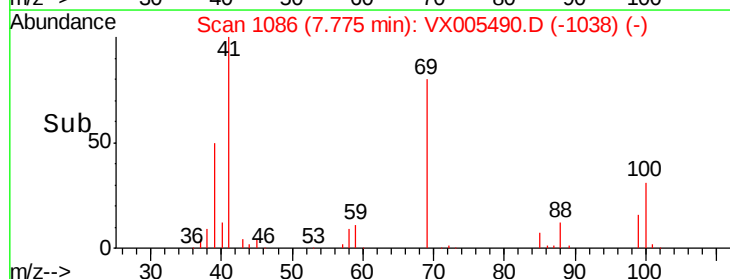
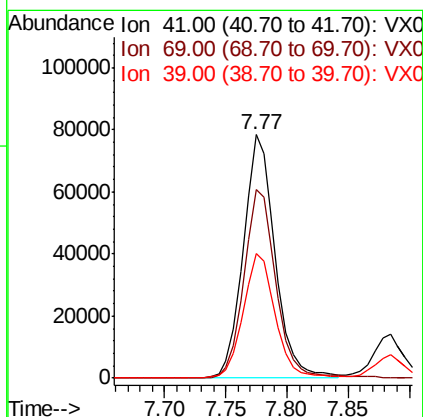
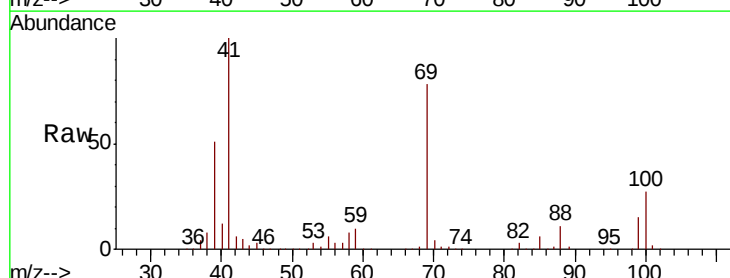
RT: 7.77 min Scan# 1086

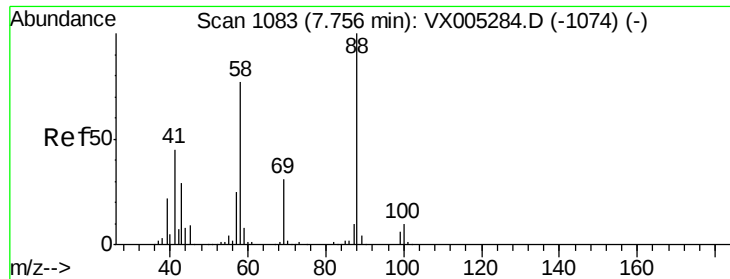
Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Tgt Ion:	41	Resp:	140679
Ion	Ratio	Lower	Upper
41	100		
69	79.1	70.2	105.4
39	51.7	42.7	64.1





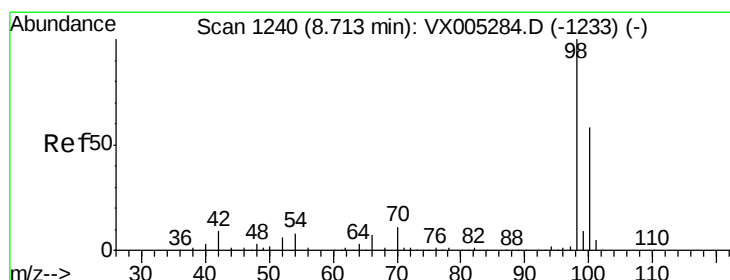
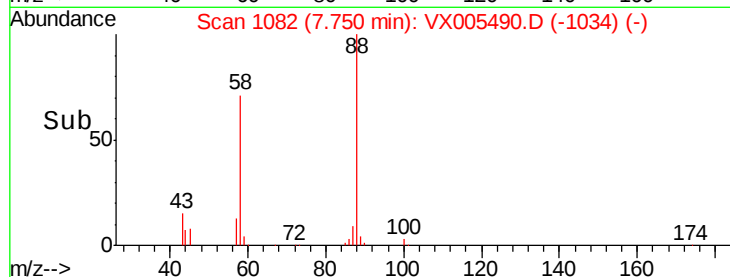
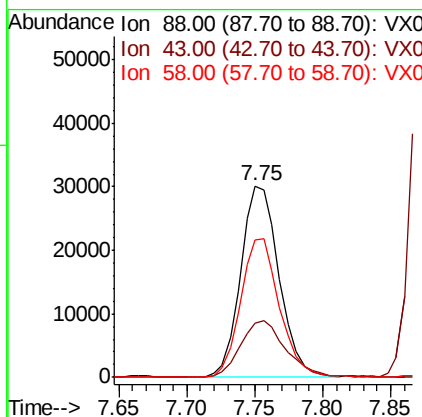
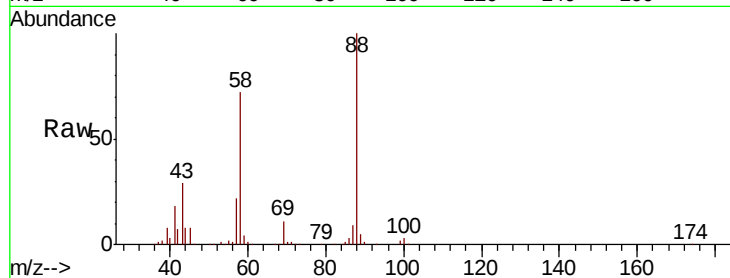
#49
1,4-Dioxane
Concen: 992.709 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	24.7	37.1
58	73.6	55.3	82.9

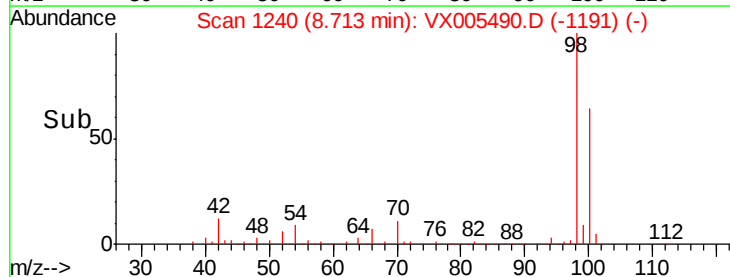
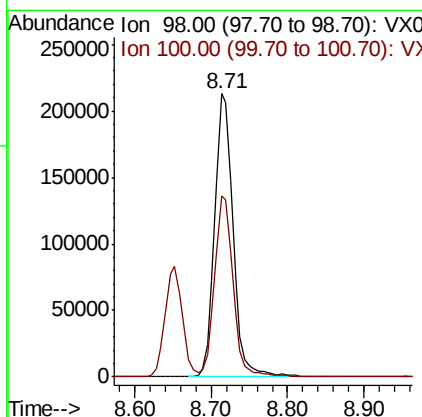
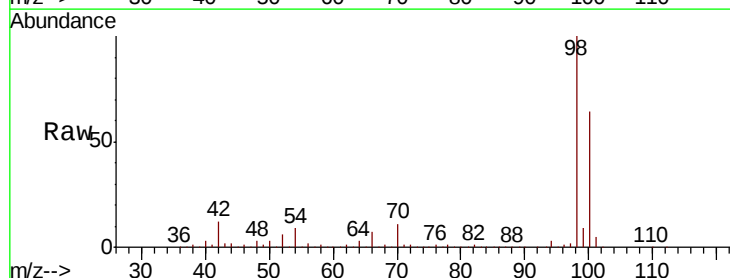
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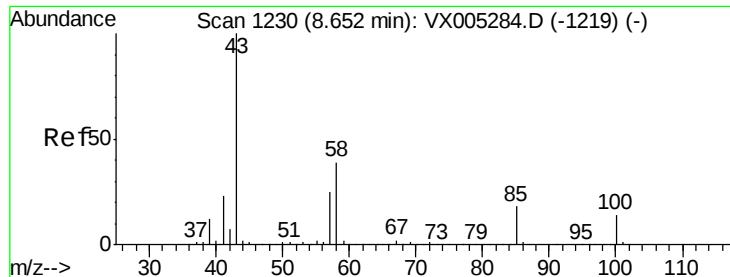
MMDadoda
10/23/2018 1:28:05 PM



#50
Toluene-d8
Concen: 51.705 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 282.352 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 979863

Ion Ratio Lower Upper

43 100

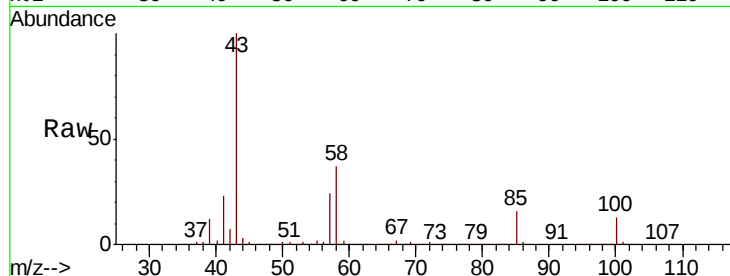
58 37.3 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

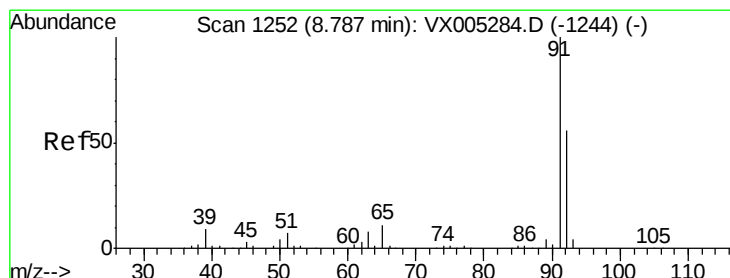
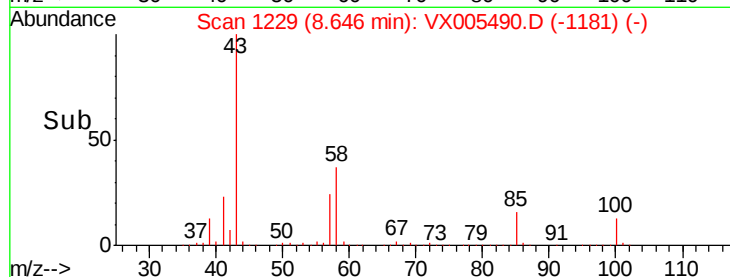
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.866 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005490.D

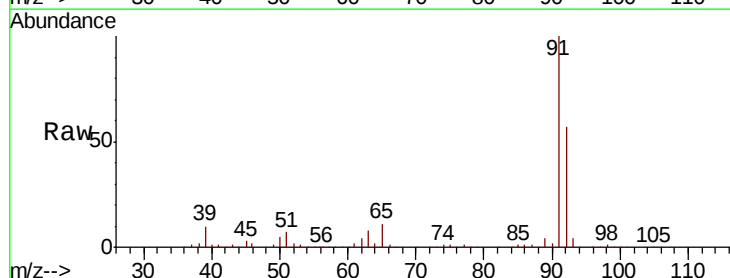
Acq: 23 Oct 2018 00:33

Tgt Ion: 92 Resp: 244234

Ion Ratio Lower Upper

92 100

91 175.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

300000

250000

200000

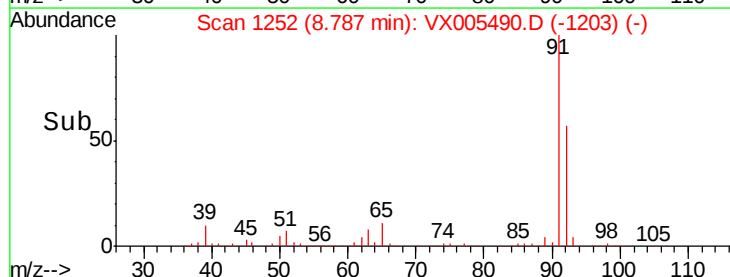
150000

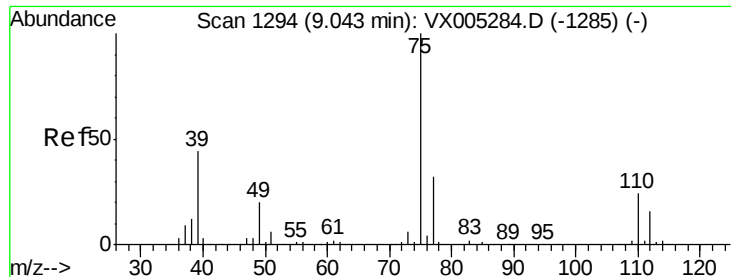
100000

50000

0

Time-->





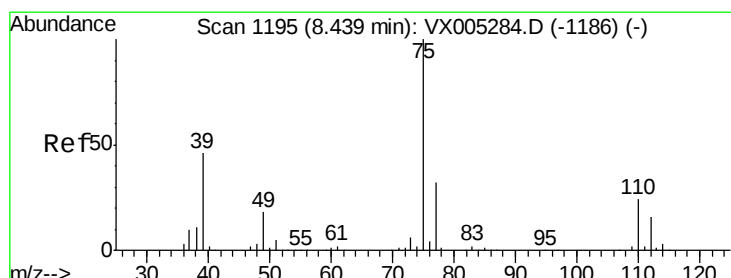
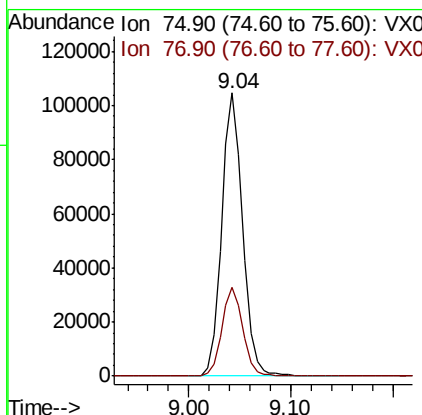
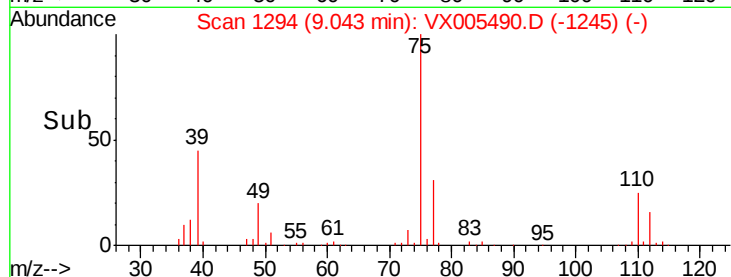
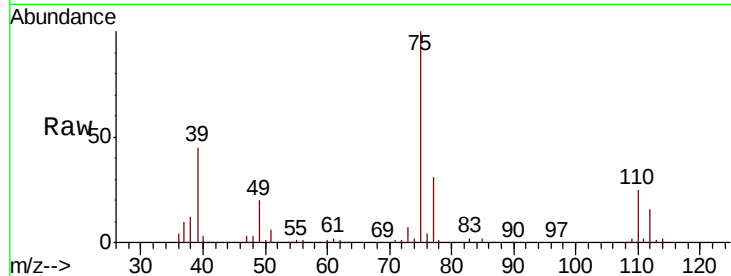
#53
t-1,3-Dichloropropene
Concen: 52.382 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 148991
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0

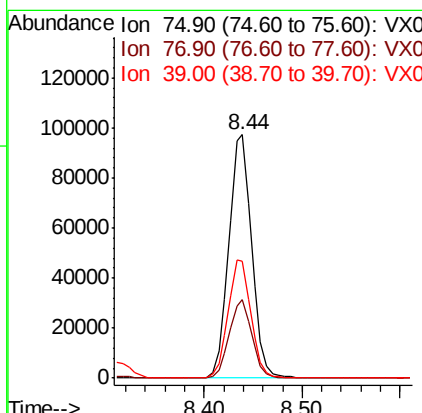
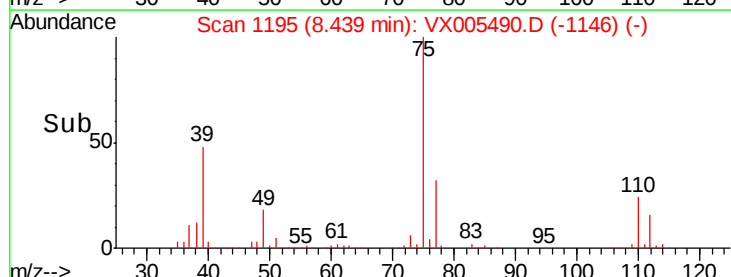
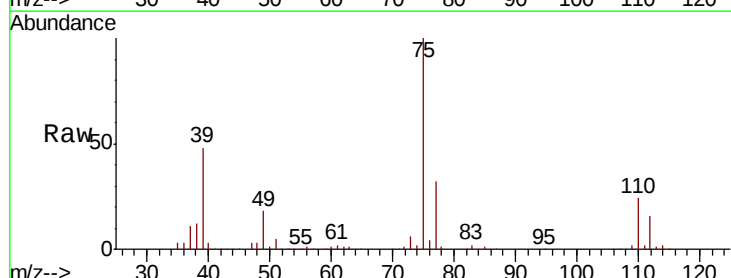
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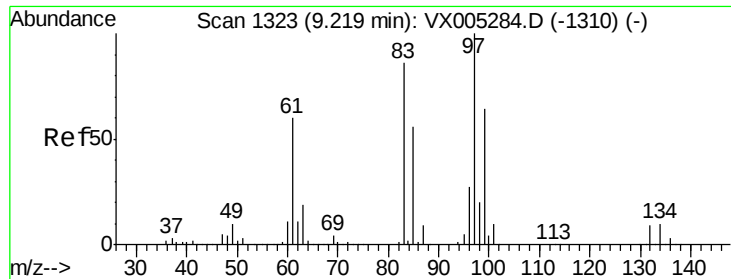
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.202 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 75 Resp: 157799
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
39 48.0 36.4 54.6





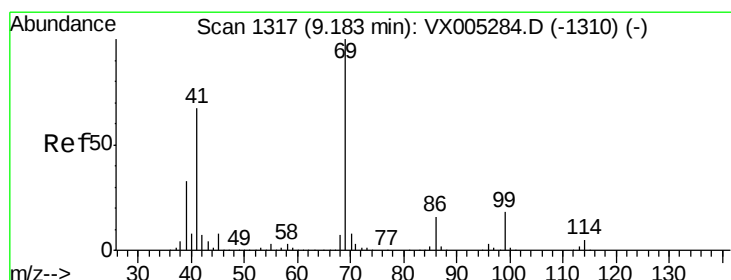
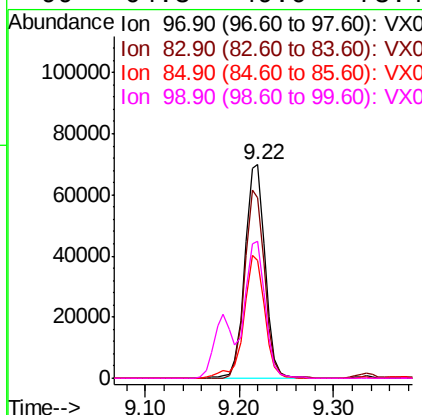
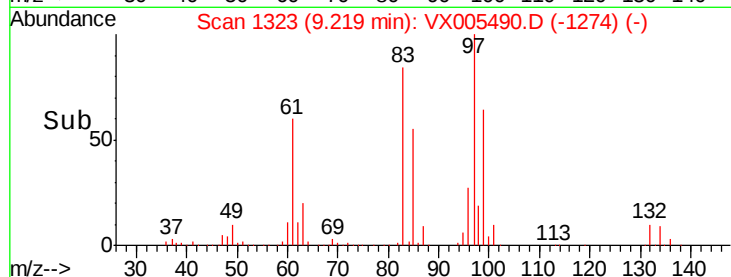
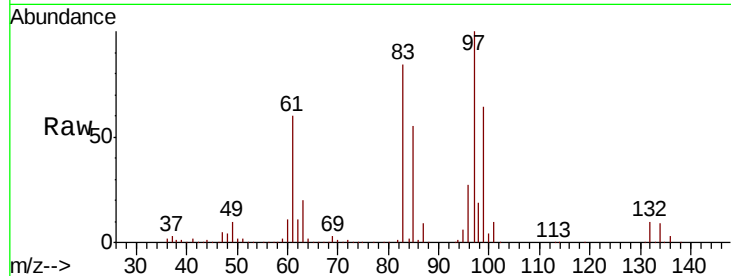
#55
1,1,2-Trichloroethane
Concen: 51.453 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		104640		
83	84.4	66.4	99.6		
85	55.4	43.3	64.9		
99	64.3	49.0	73.4		

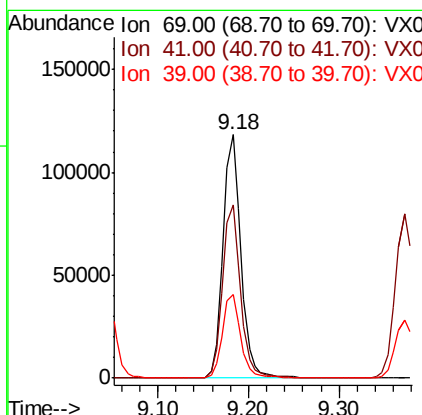
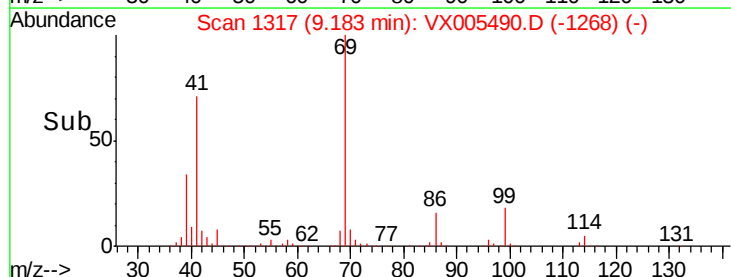
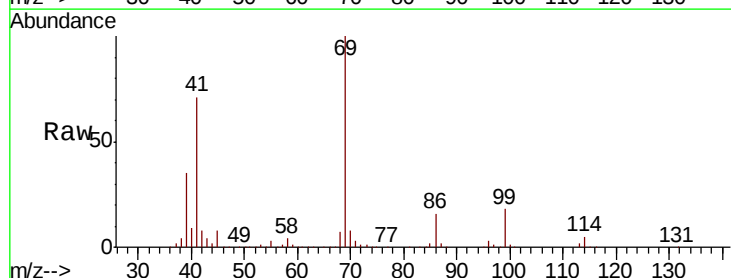
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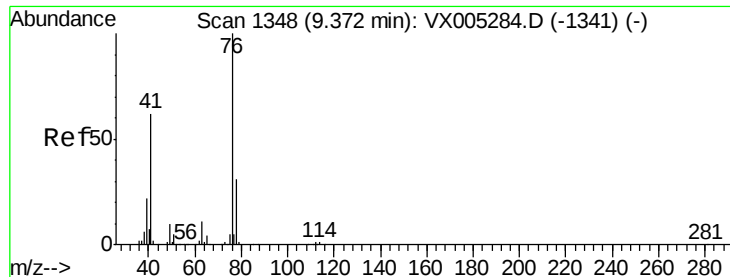
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#56
Ethyl methacrylate
Concen: 55.157 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		163525		
41	71.3	51.0	76.4		
39	35.0	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 52.014 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 176555

Ion Ratio Lower Upper

76 100

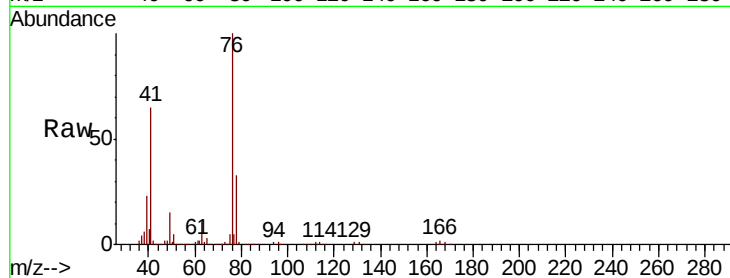
78 32.0 25.5 38.3

Manual Integrations

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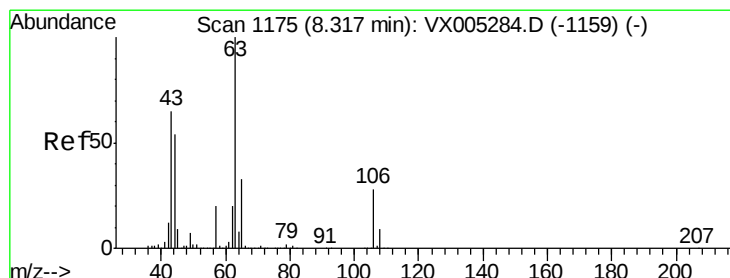
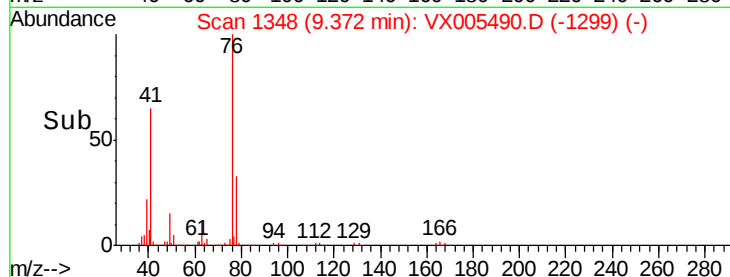
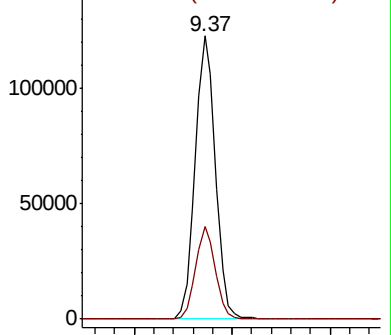
MMDadoda

10/23/2018 1:28:05 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 281.209 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005490.D

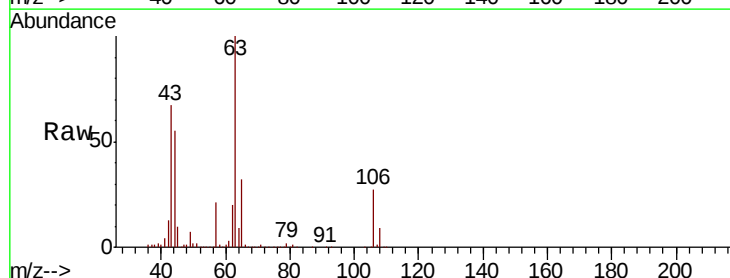
Acq: 23 Oct 2018 00:33

Tgt Ion: 63 Resp: 467560

Ion Ratio Lower Upper

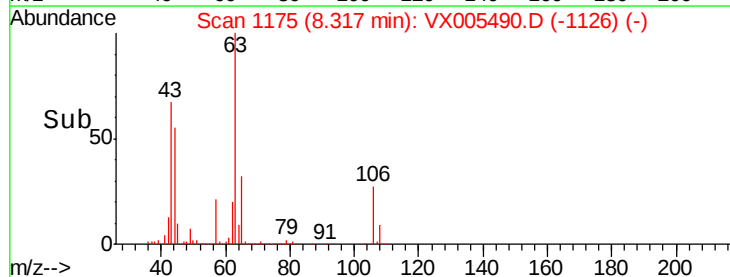
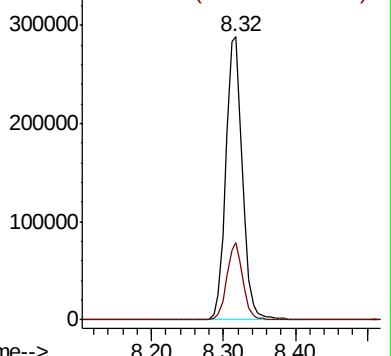
63 100

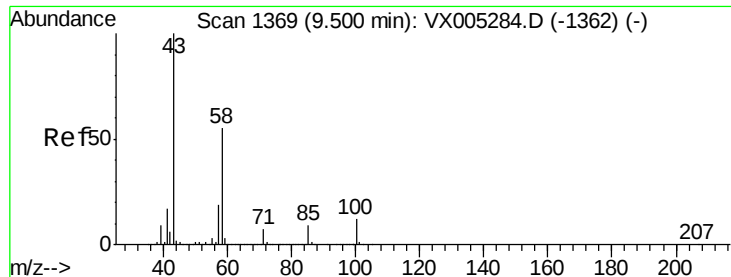
106 26.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





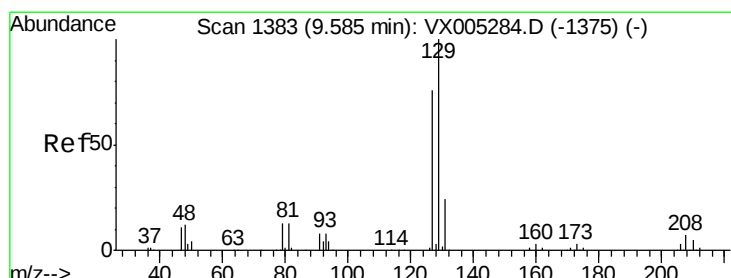
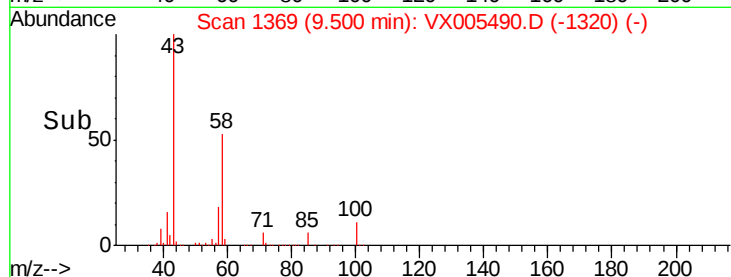
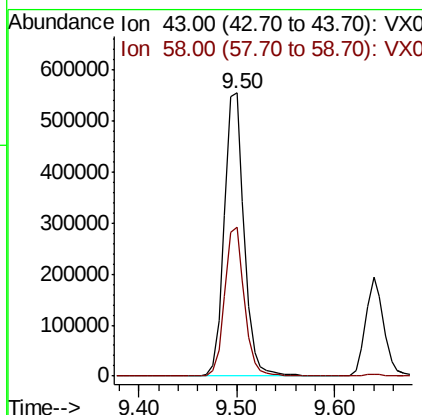
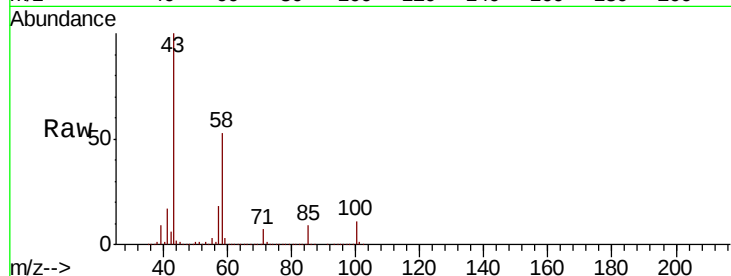
#59
2-Hexanone
Concen: 280.290 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 782450
Ion Ratio Lower Upper
43 100
58 52.0 29.0 87.0

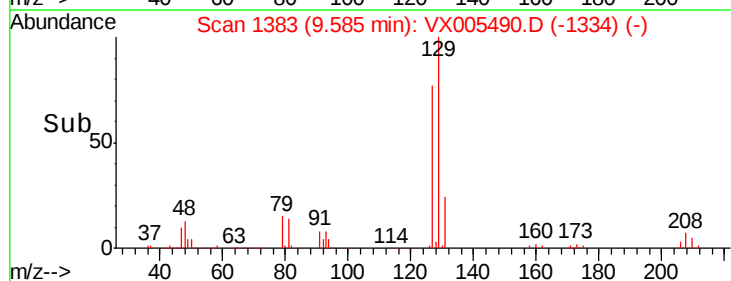
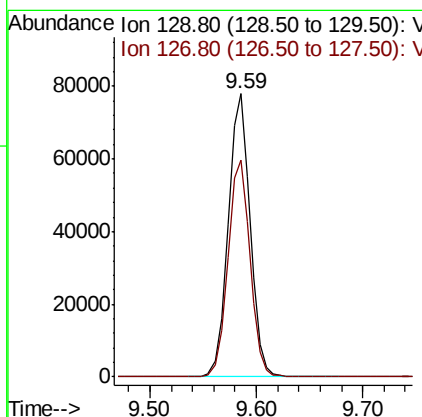
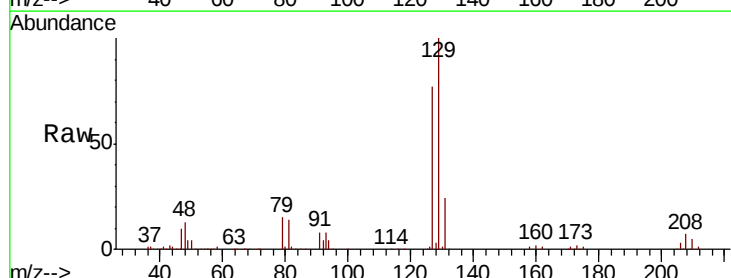
Manual Integrations
APPROVED

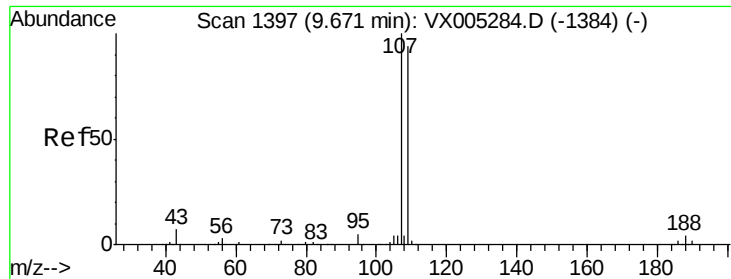
MMDadoda
10/23/2018 1:28:05 PM



#60
Dibromochloromethane
Concen: 53.277 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion:129 Resp: 111998
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





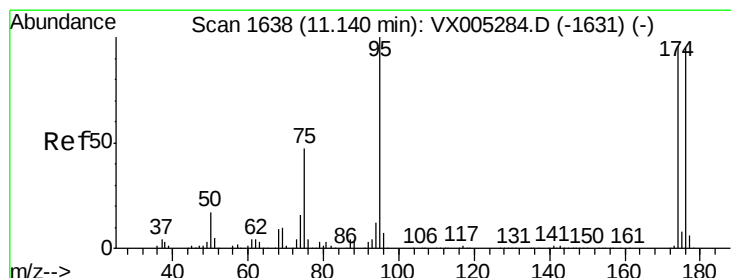
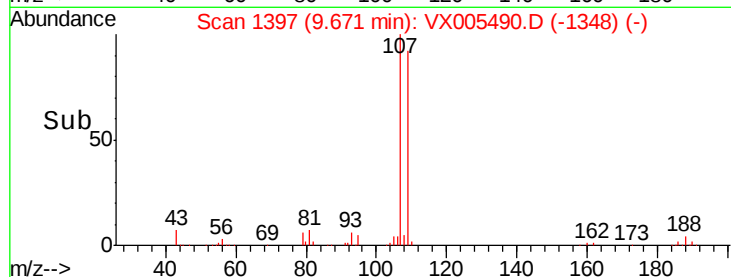
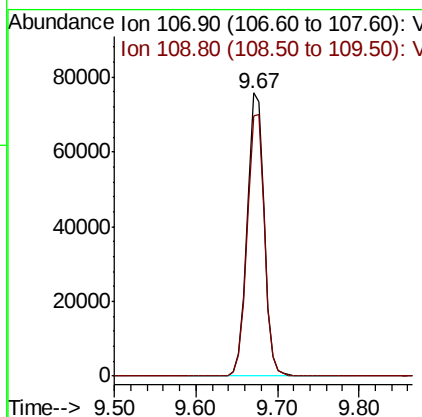
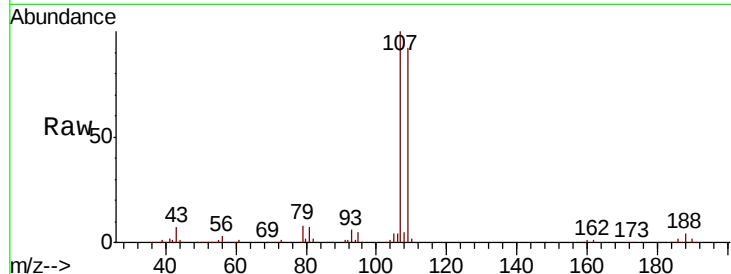
#61
 1,2-Dibromoethane
 Concen: 51.314 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	109519		
109	94.8	76.0	114.0	

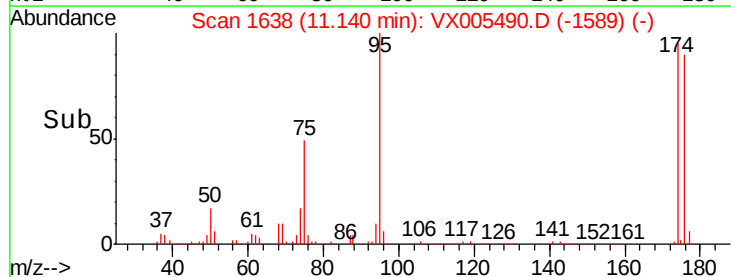
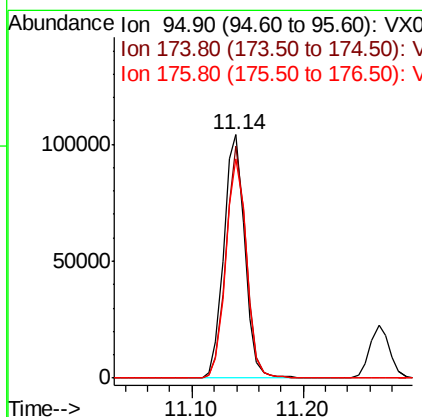
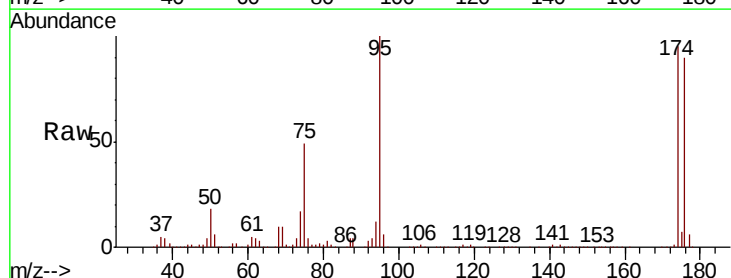
Manual Integrations
 APPROVED

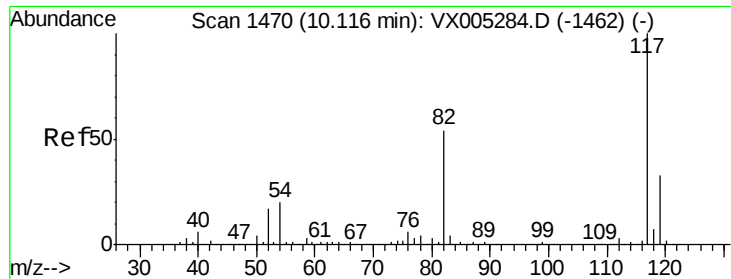
MMDadoda
 10/23/2018 1:28:05 PM



#62
 4-Bromofluorobenzene
 Concen: 52.605 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	135739		
174	91.7	0.0	185.2	
176	89.1	0.0	178.6	





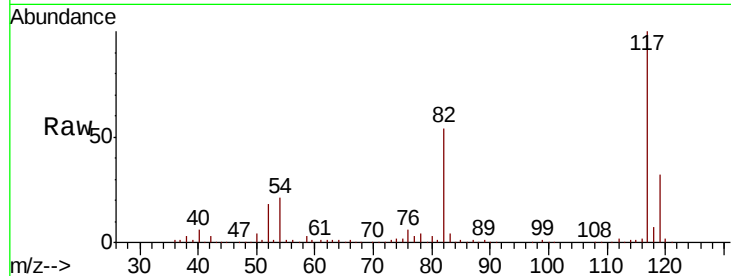
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	47.8	71.6
119	32.3	29.3	43.9

Manual Integrations
APPROVED

MMDadoda
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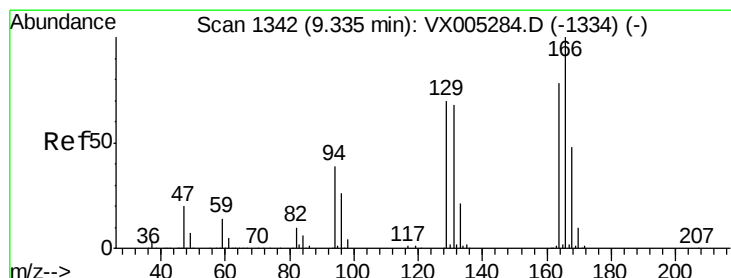
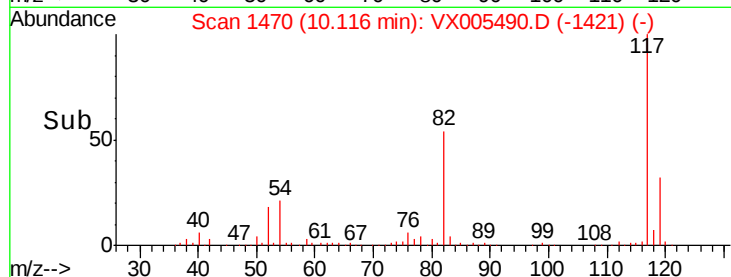
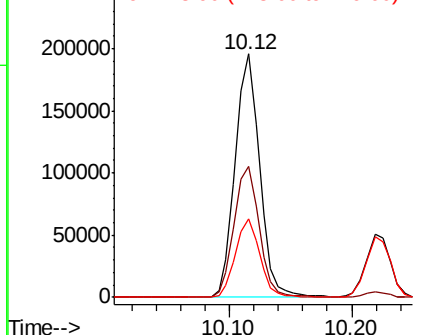


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.346 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.8	154.2
129	89.7	69.4	104.0
131	86.1	67.9	101.9

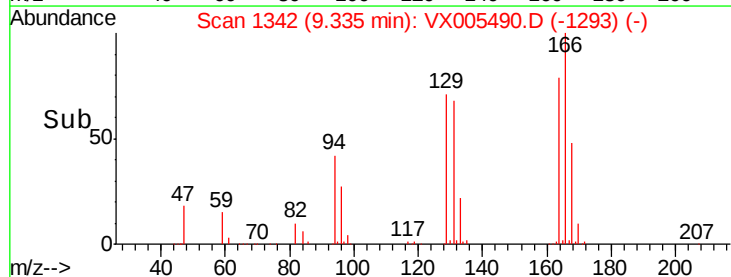
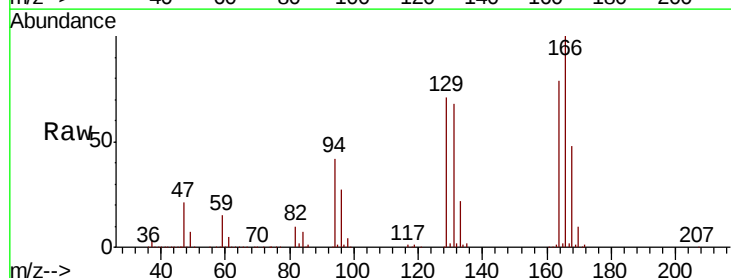
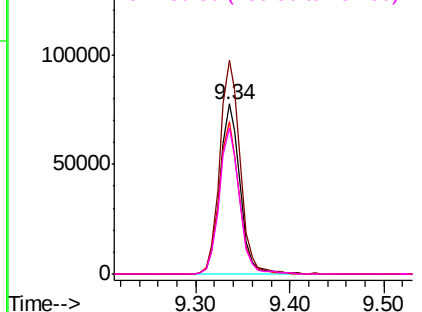
Abundance

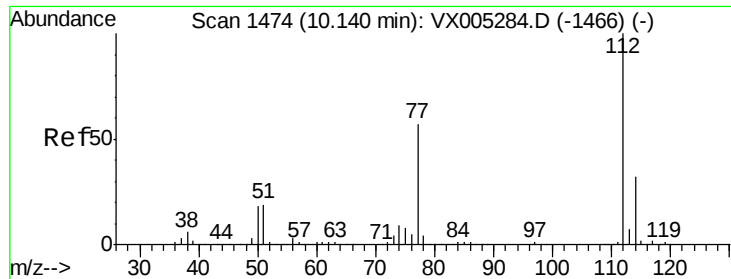
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





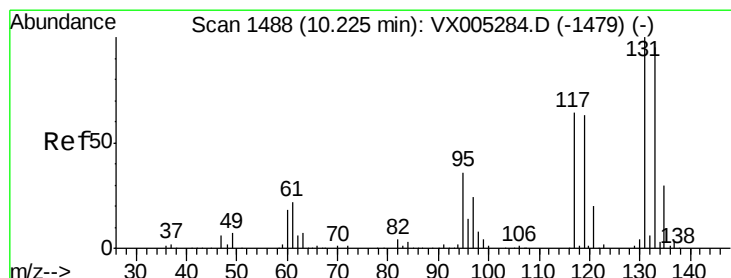
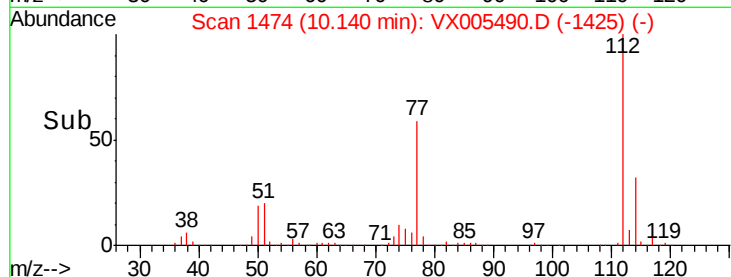
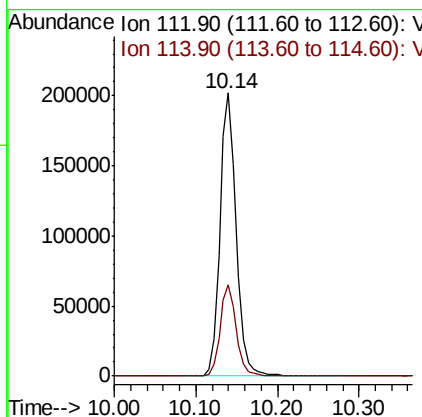
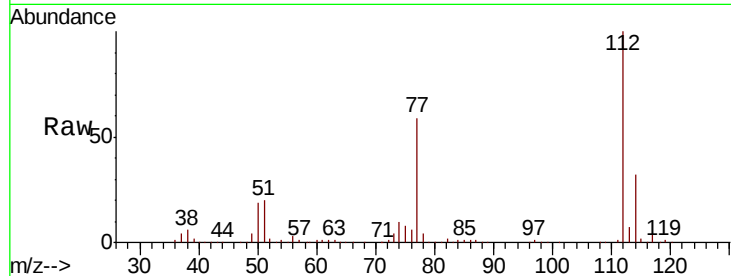
#65
Chlorobenzene
Concen: 48.472 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 280417
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8

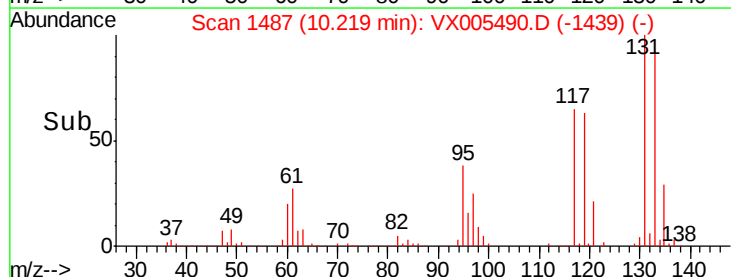
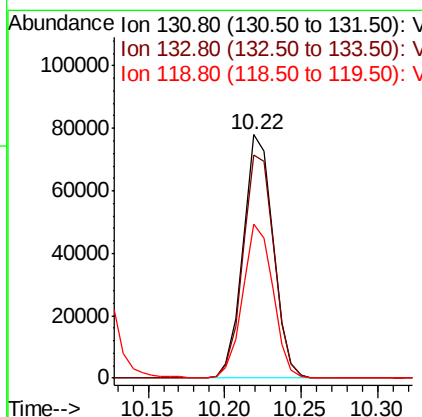
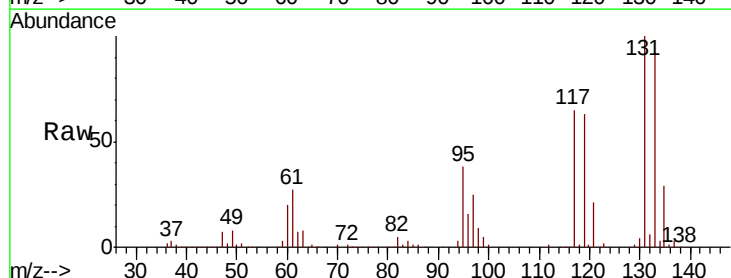
Manual Integrations
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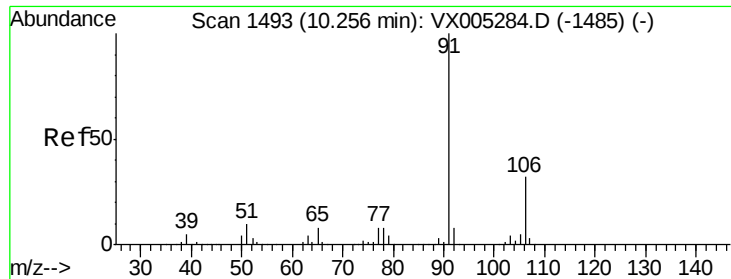
MMDadoda
10/23/2018 1:28:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.726 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion:131 Resp: 106637
Ion Ratio Lower Upper
131 100
133 94.6 48.1 144.4
119 63.5 32.9 98.6





#67

Ethyl Benzene

Concen: 50.992 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 479560

Ion Ratio Lower Upper

91 100

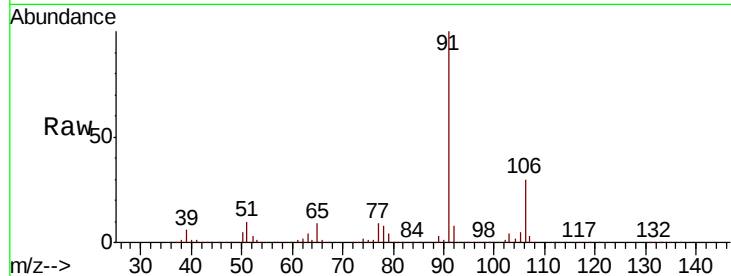
106 30.3 25.9 38.9

Manual Integrations

APPROVED

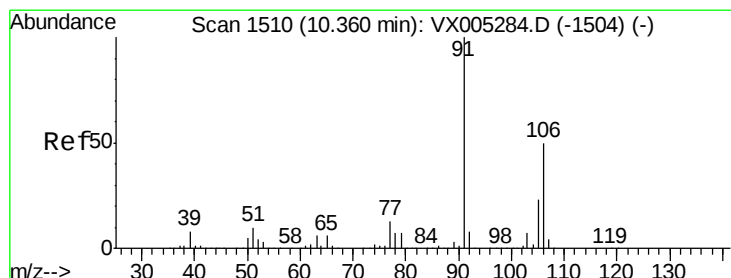
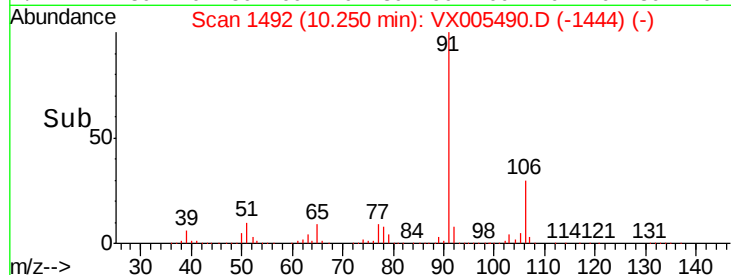
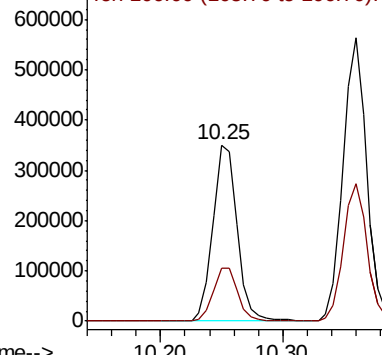
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.884 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005490.D

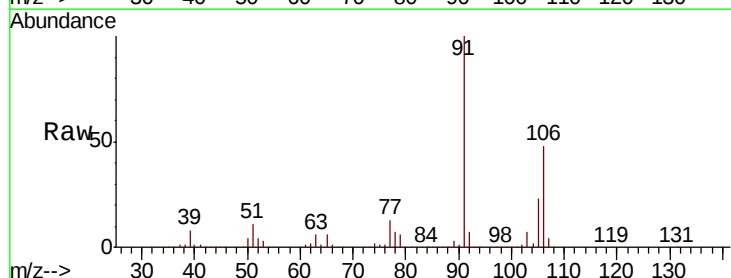
Acq: 23 Oct 2018 00:33

Tgt Ion: 106 Resp: 371905

Ion Ratio Lower Upper

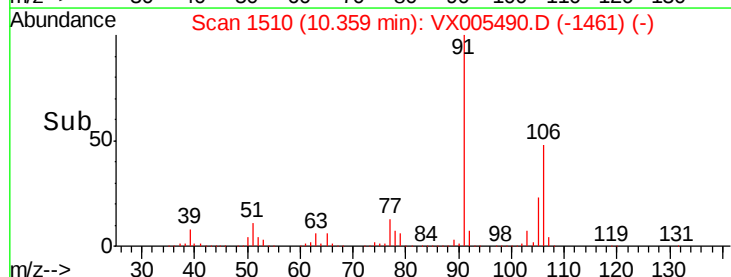
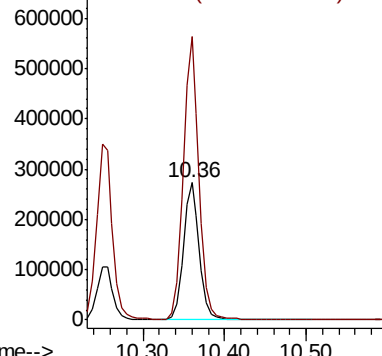
106 100

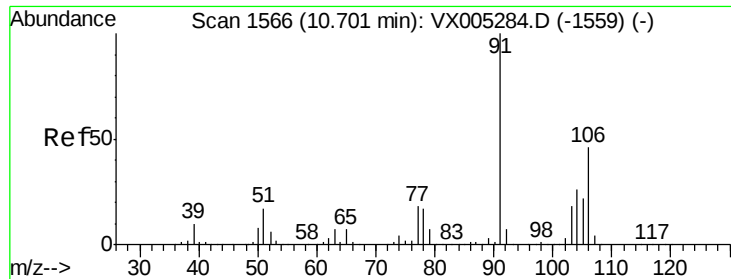
91 204.8 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





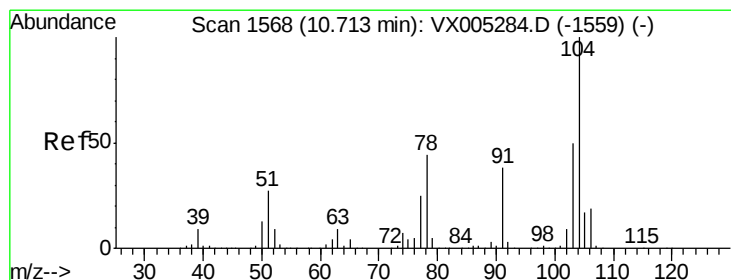
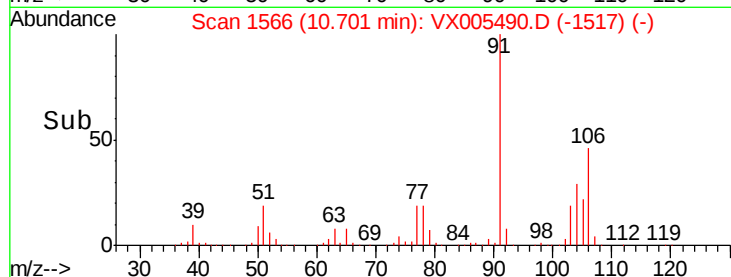
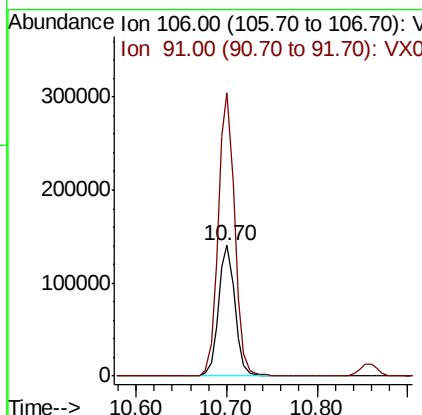
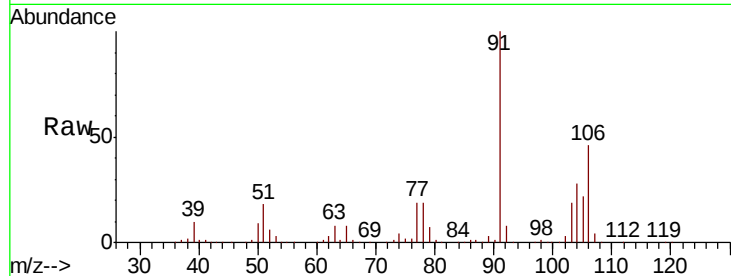
#69
o-Xylene
Concen: 50.734 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 178606
Ion Ratio Lower Upper
106 100
91 216.8 105.1 315.1

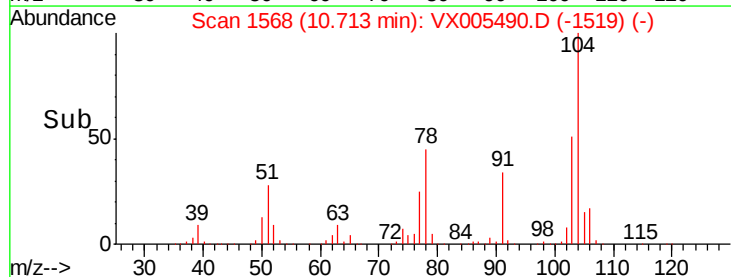
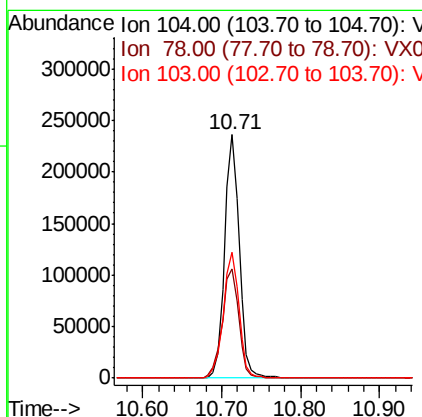
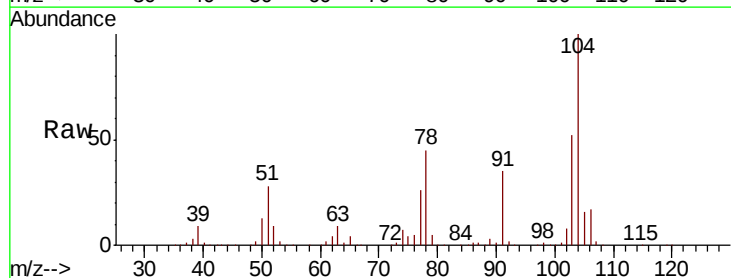
Manual Integrations
APPROVED

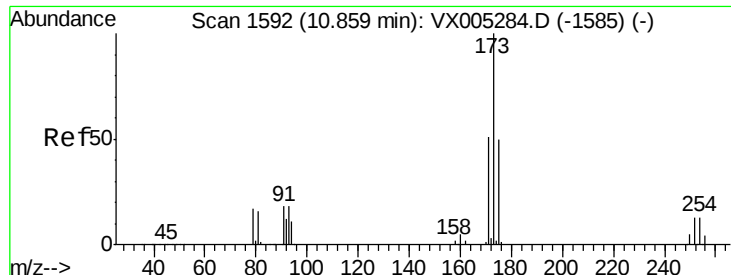
MMDadoda
10/23/2018 1:28:05 PM



#70
Styrene
Concen: 52.833 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion:104 Resp: 305930
Ion Ratio Lower Upper
104 100
78 50.7 37.4 56.0
103 55.9 43.8 65.6





#71

Bromoform

Concen: 50.901 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

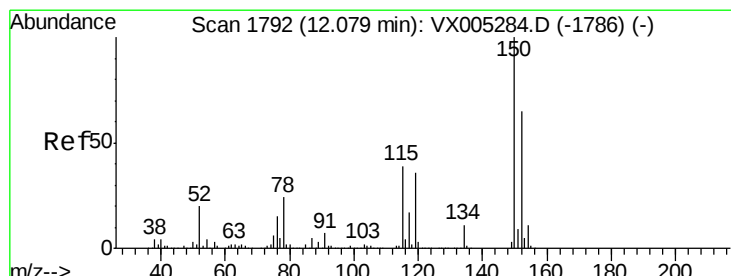
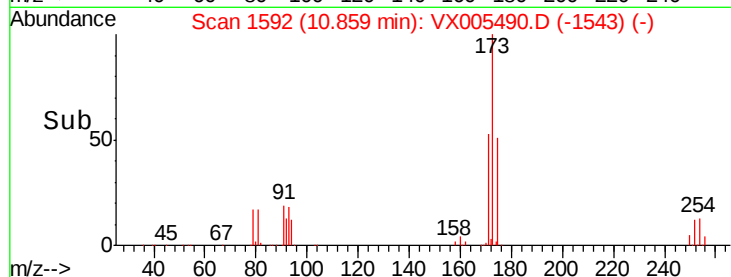
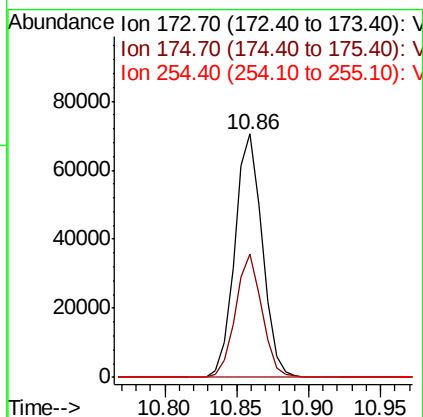
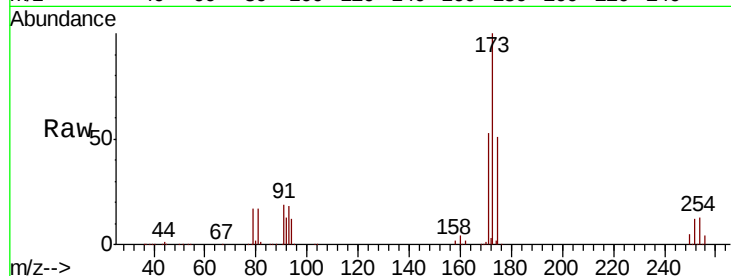
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

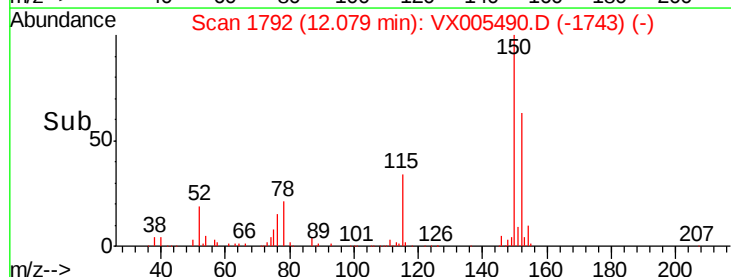
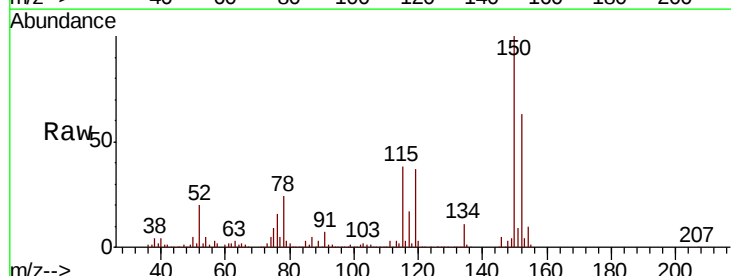
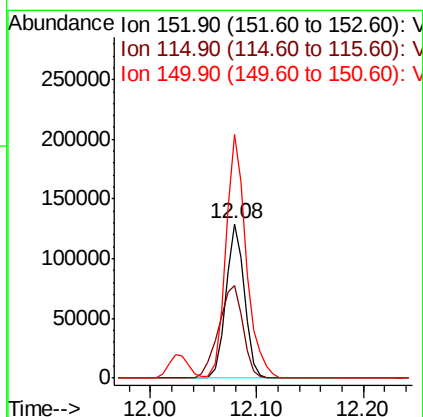
RT: 12.08 min Scan# 1792

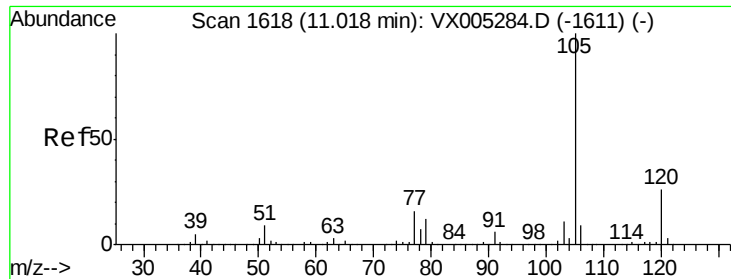
Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.2	39.0	117.0
150	174.3	0.0	351.0





#73

Isopropylbenzene

Concen: 52.755 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 490939

Ion Ratio Lower Upper

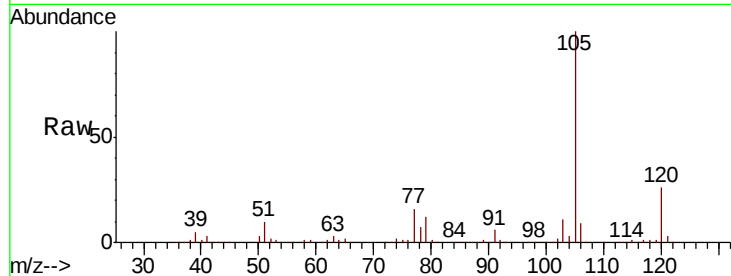
105 100

120 26.5 13.5 40.4

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

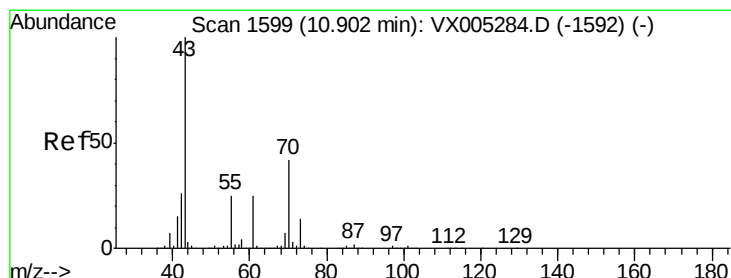
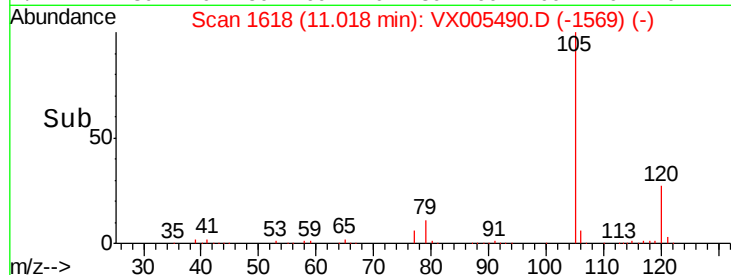
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 55.129 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Tgt Ion: 43 Resp: 247444

Ion Ratio Lower Upper

43 100

70 39.7 37.4 56.0

55 25.3 21.8 32.8

61 23.2 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

250000

200000

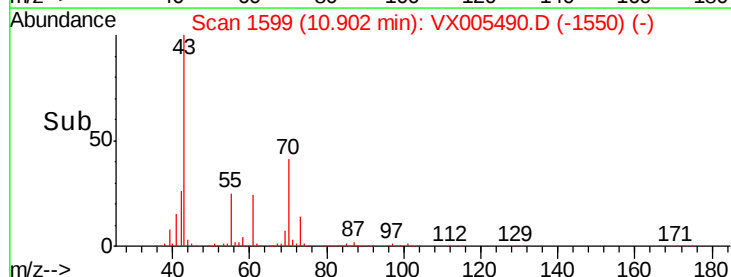
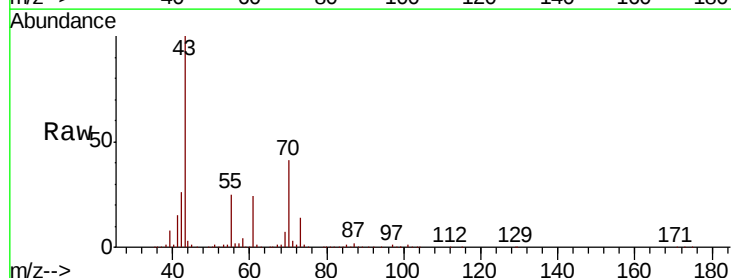
150000

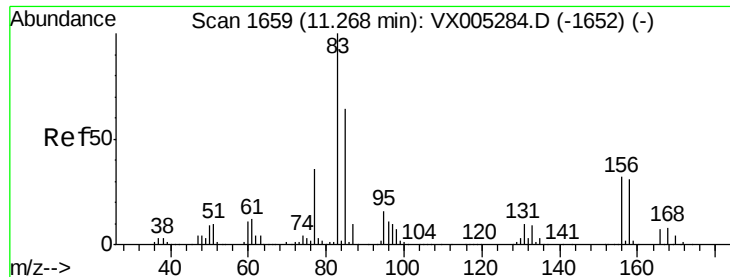
100000

50000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 50.430 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 177034

Ion Ratio Lower Upper

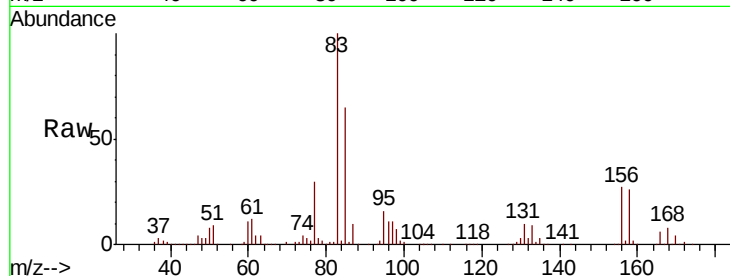
83 100

131 10.5 5.2 15.6

85 64.2 32.3 96.8

Manual Integrations
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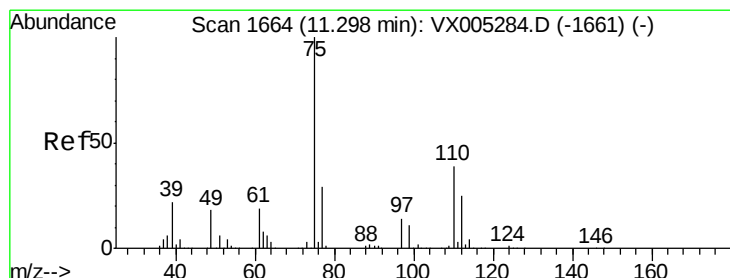
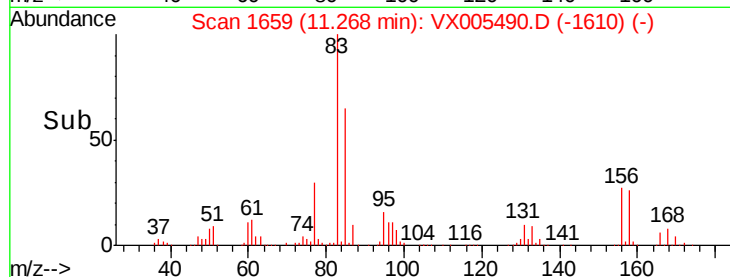
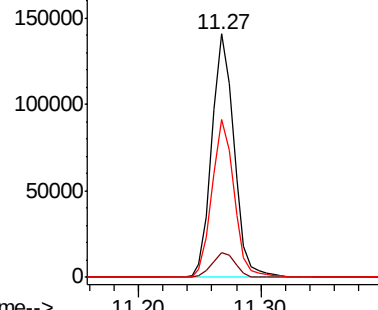
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 55.199 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005490.D

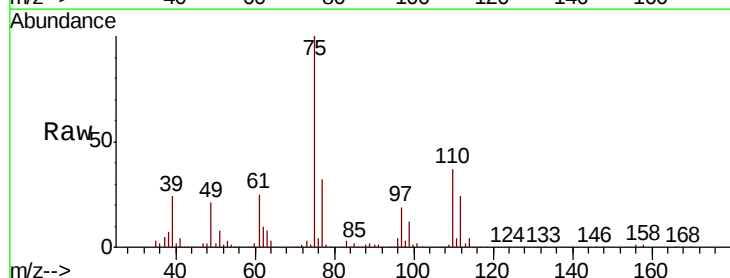
Acq: 23 Oct 2018 00:33

Tgt Ion: 75 Resp: 167613

Ion Ratio Lower Upper

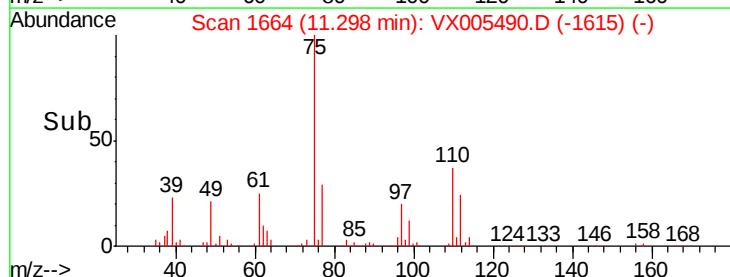
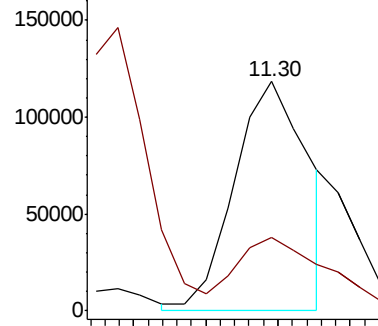
75 100

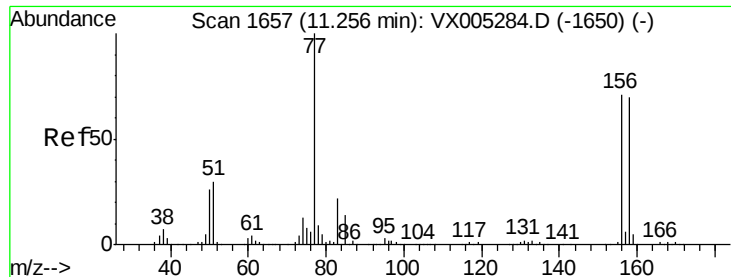
77 39.6 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.655 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

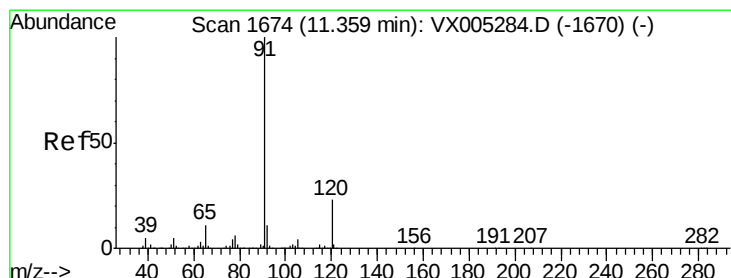
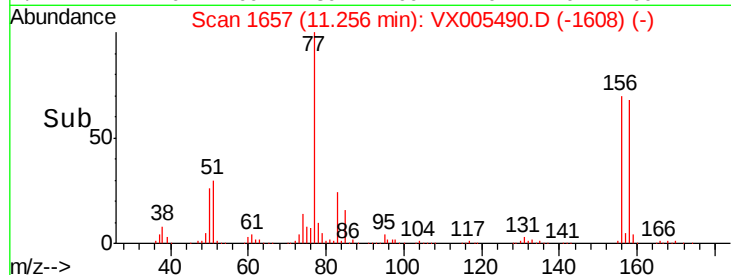
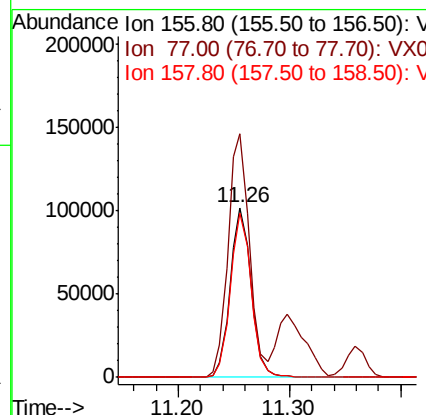
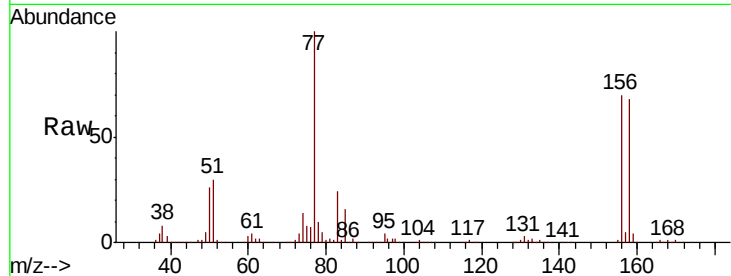
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	132125
Ion Ratio	Lower	Upper	
156	100		
77	146.9	71.5	214.3
158	96.8	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.701 ug/l

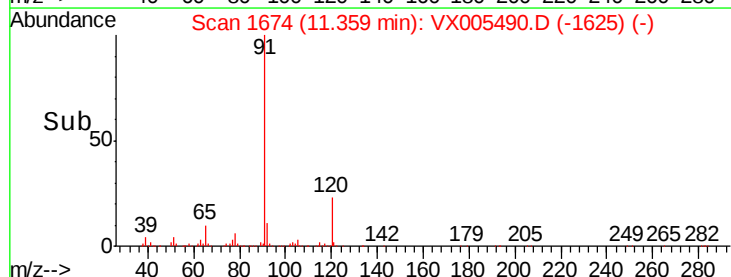
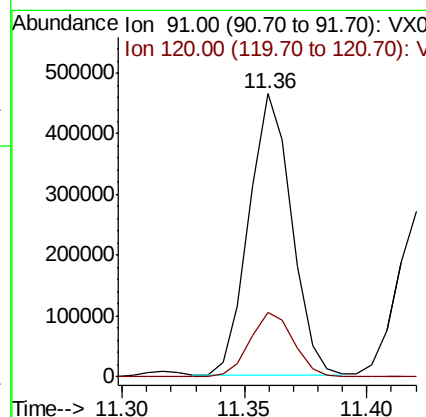
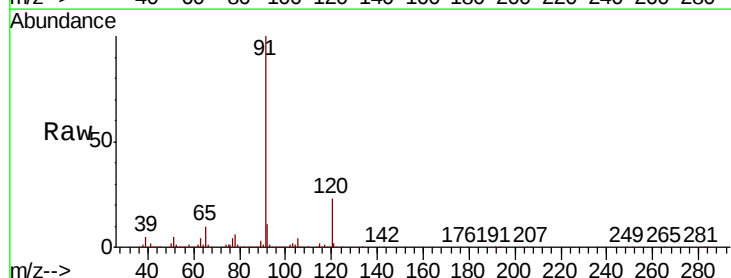
RT: 11.36 min Scan# 1674

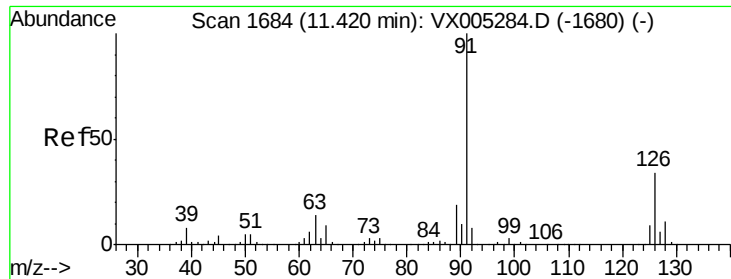
Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Tgt Ion:	91	Resp:	564366
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.9





#79

2-Chlorotoluene

Concen: 52.187 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 342270

Ion Ratio Lower Upper

91 100

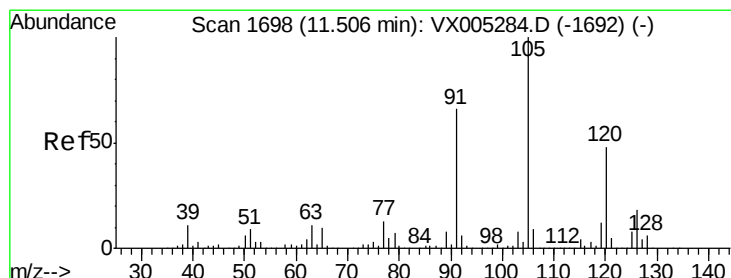
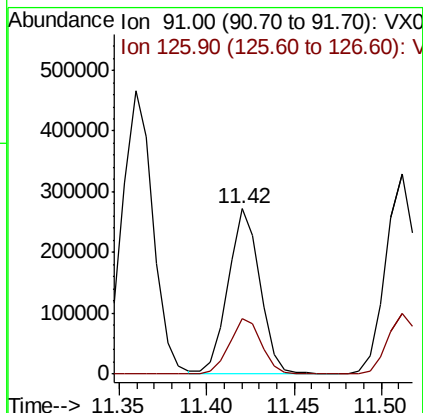
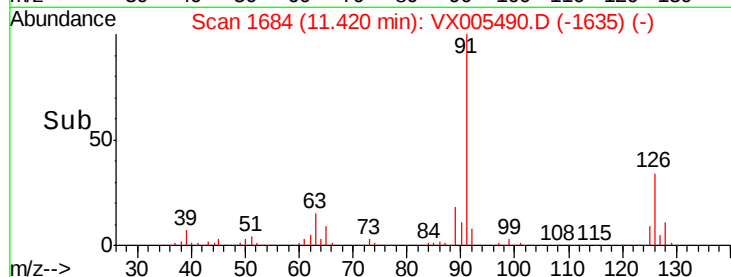
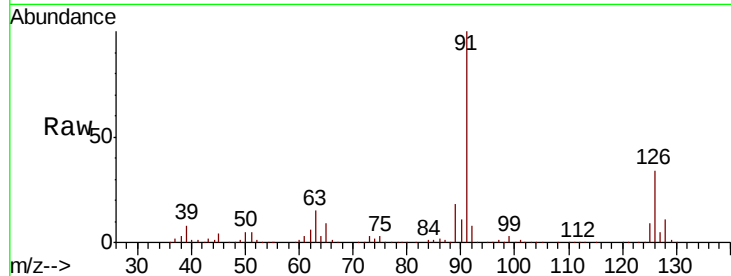
126 34.3 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.135 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005490.D

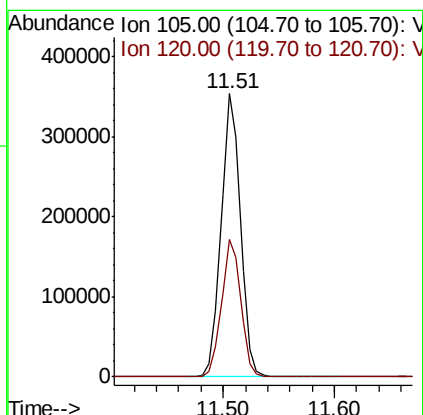
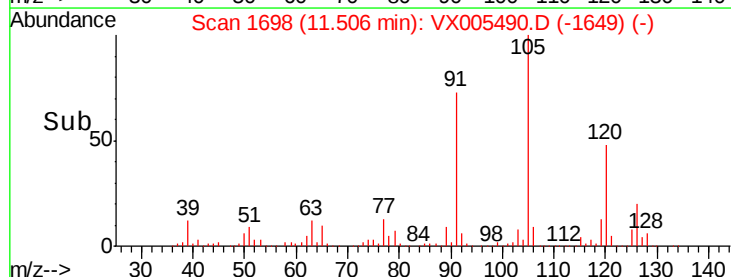
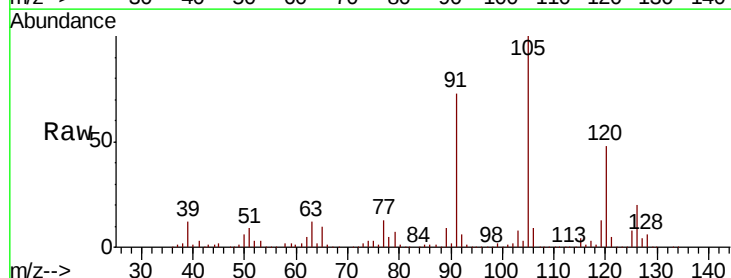
Acq: 23 Oct 2018 00:33

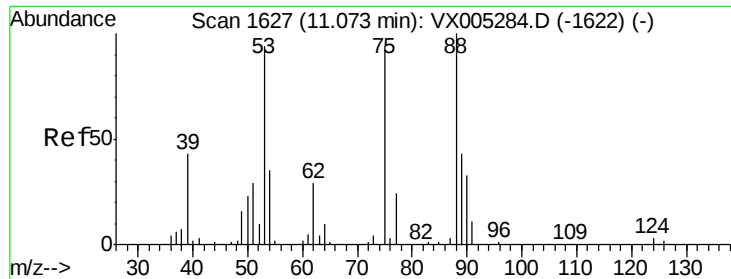
Tgt Ion: 105 Resp: 423445

Ion Ratio Lower Upper

105 100

120 48.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.214 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 49182

Ion Ratio Lower Upper

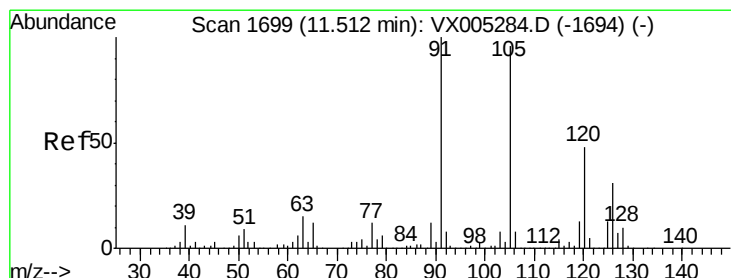
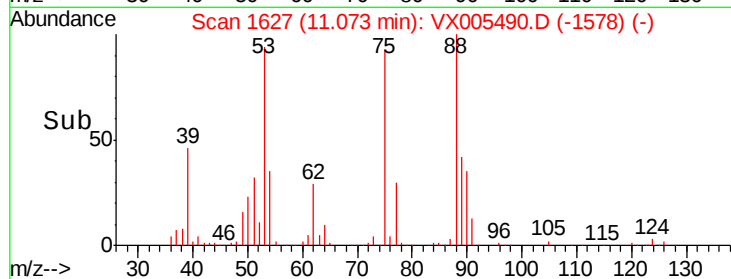
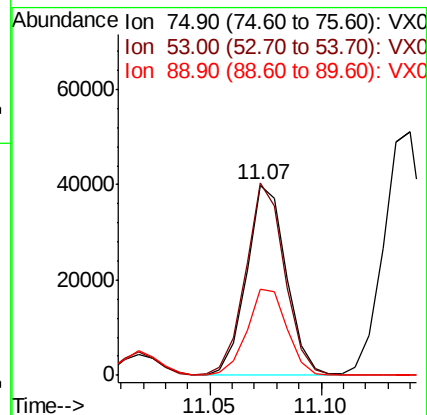
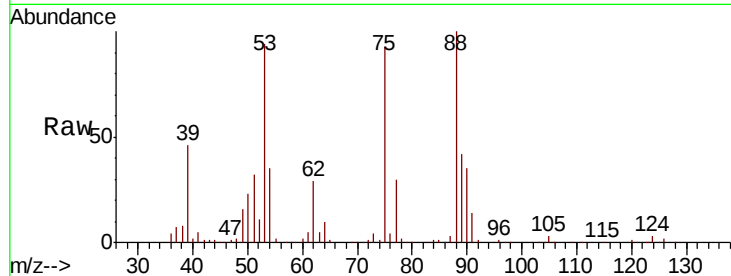
75 100

53 100.1 80.1 120.1

89 46.4 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.889 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005490.D

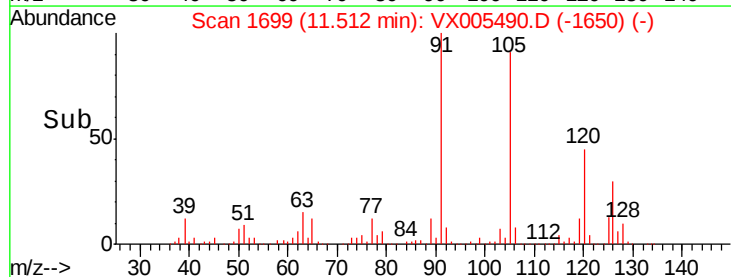
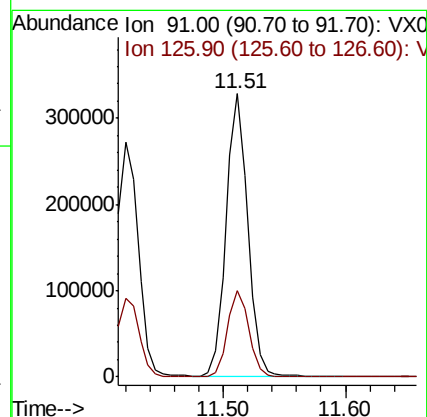
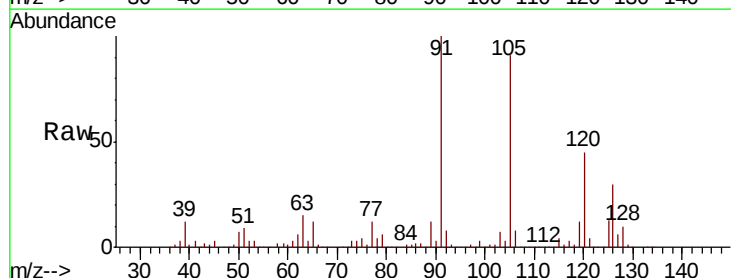
Acq: 23 Oct 2018 00:33

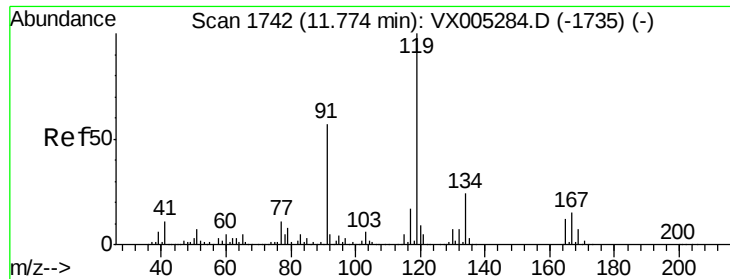
Tgt Ion: 91 Resp: 403412

Ion Ratio Lower Upper

91 100

126 30.1 15.5 46.5





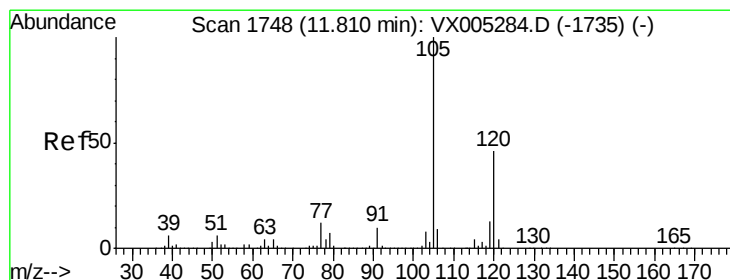
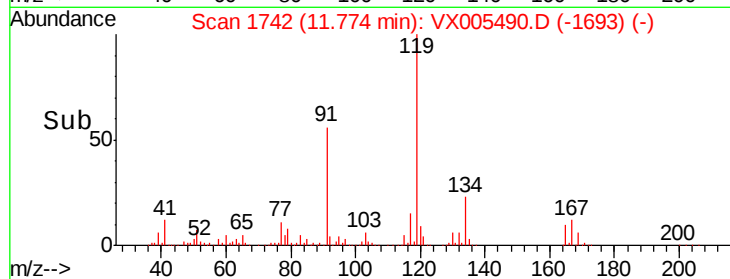
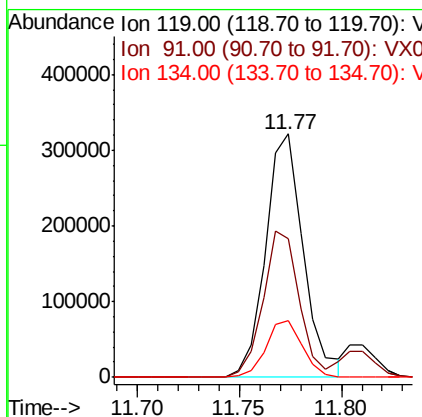
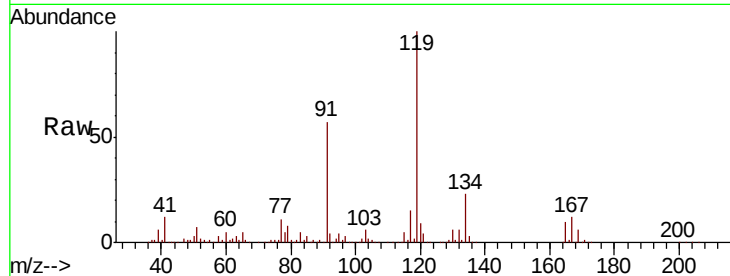
#83
tert-Butylbenzene
Concen: 51.513 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	27.0	81.0
134	22.7	11.7	35.1

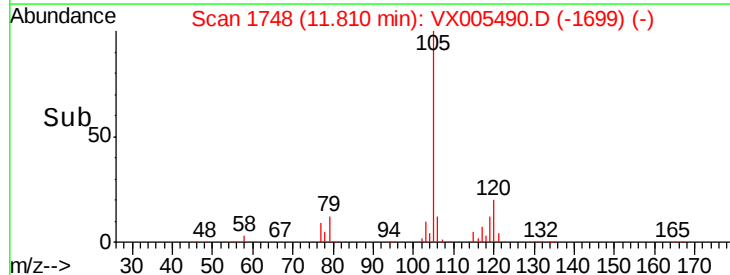
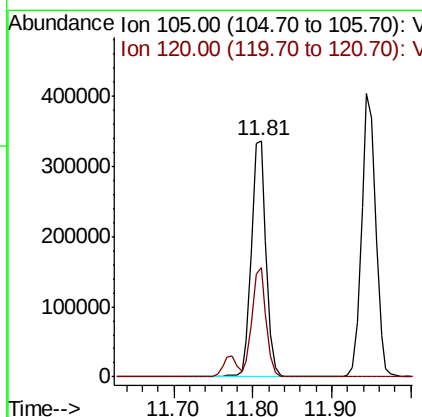
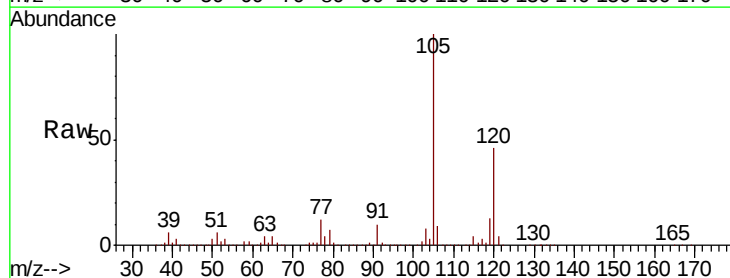
Manual Integrations
APPROVED

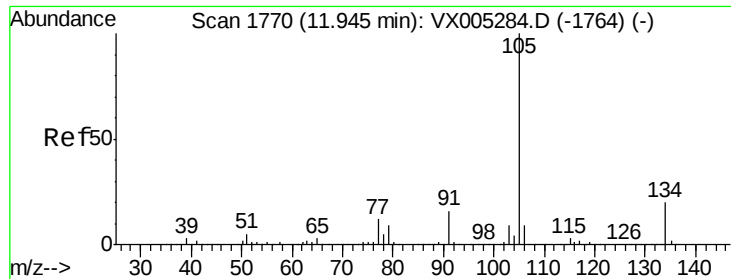
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#84
1,2,4-Trimethylbenzene
Concen: 52.936 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	23.2	69.6





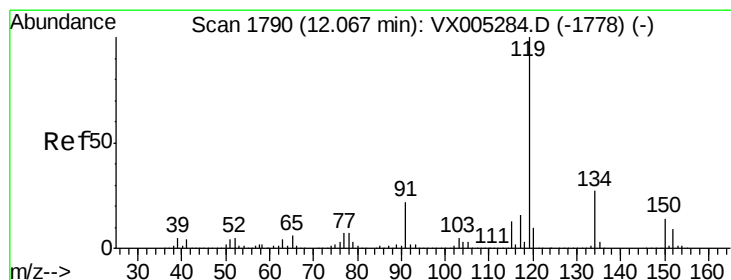
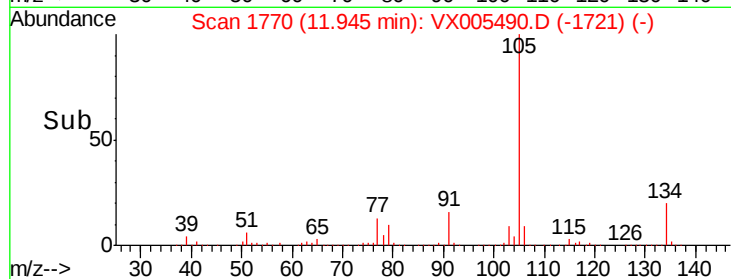
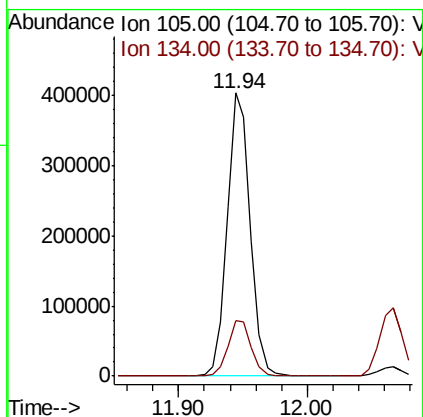
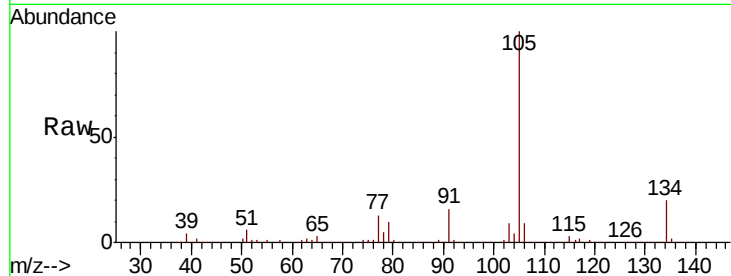
#85
 sec-Butylbenzene
 Concen: 52.704 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.5	31.5

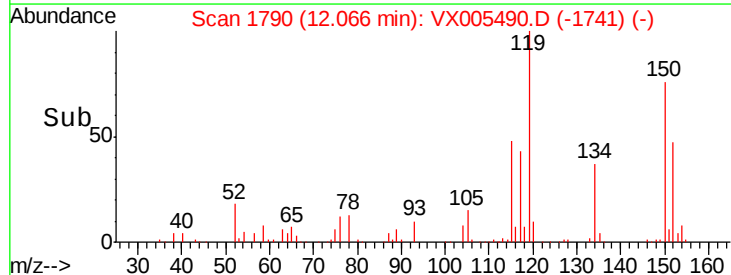
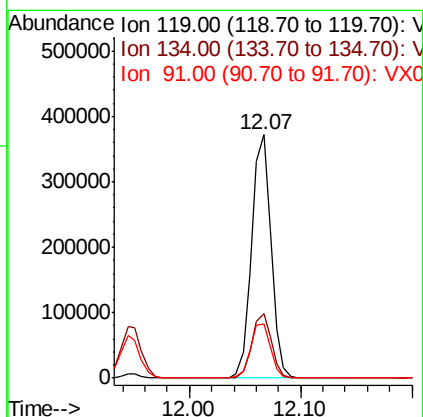
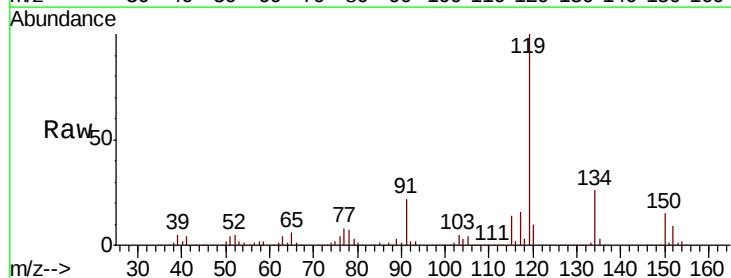
Manual Integrations
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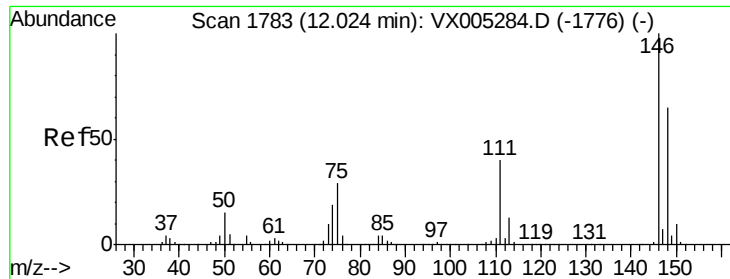
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 52.266 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	23.1	10.9	32.7





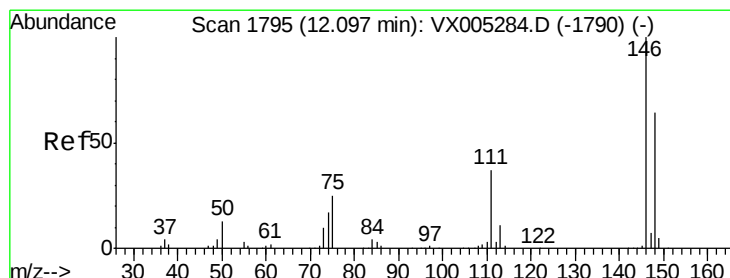
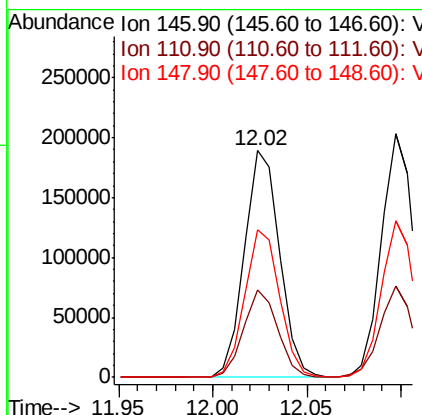
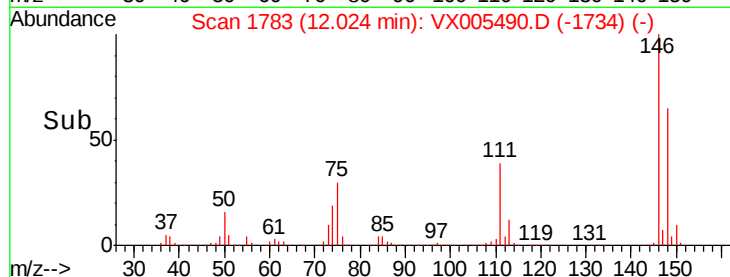
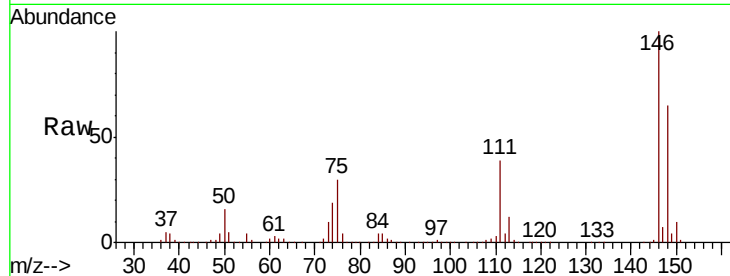
#87
 1,3-Dichlorobenzene
 Concen: 49.457 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	64.6	32.1	96.5

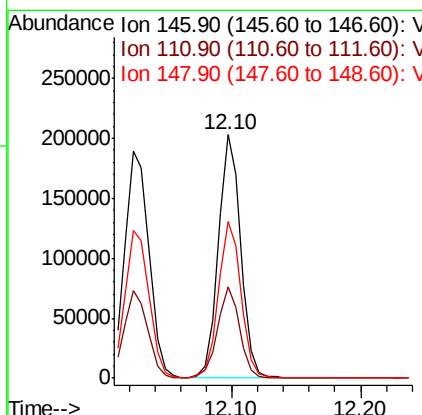
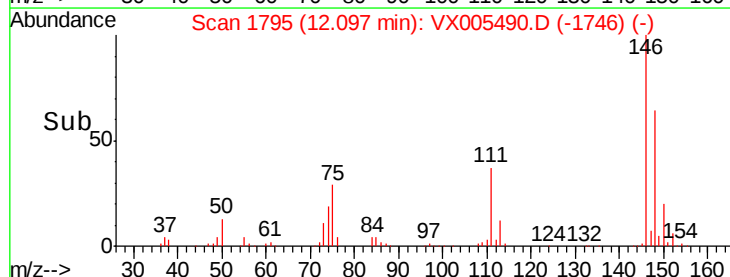
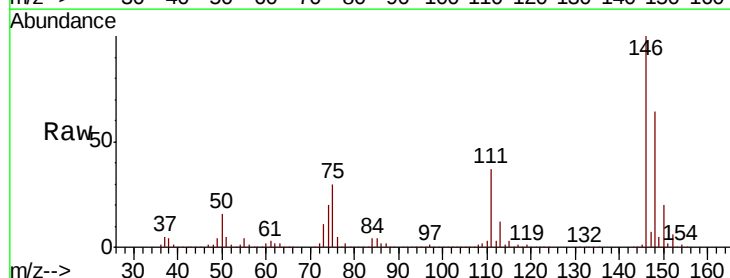
Manual Integrations
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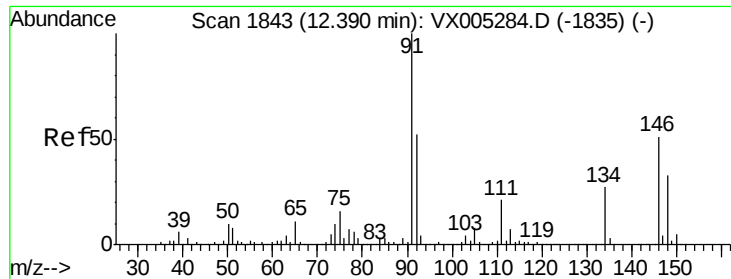
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#88
 1,4-Dichlorobenzene
 Concen: 48.983 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.9	32.0	96.0





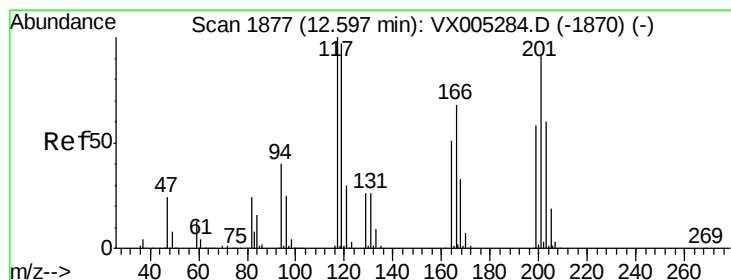
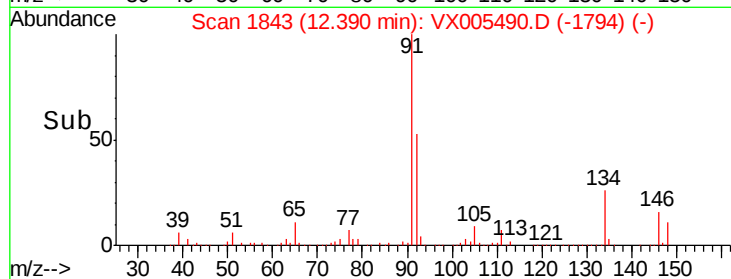
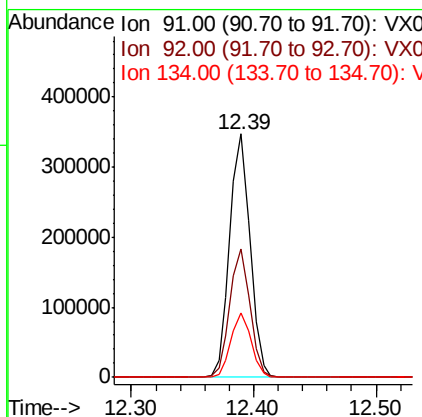
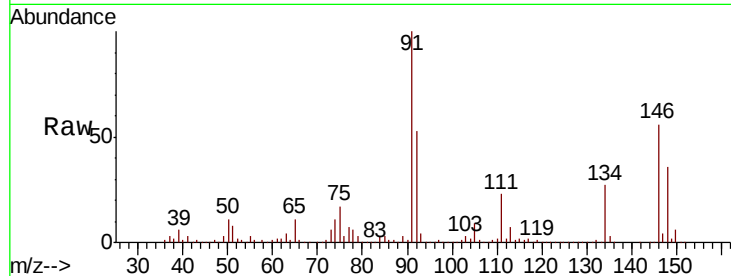
#89
n-Butylbenzene
Concen: 51.064 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.3	81.9
134	26.3	13.6	40.7

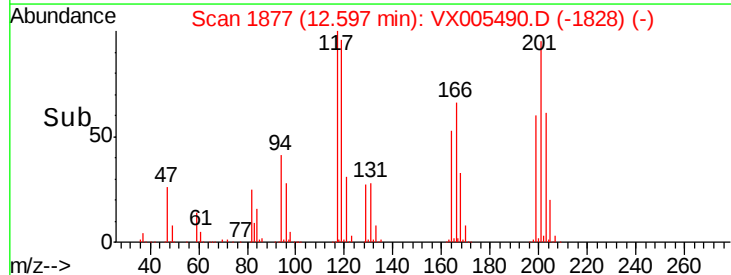
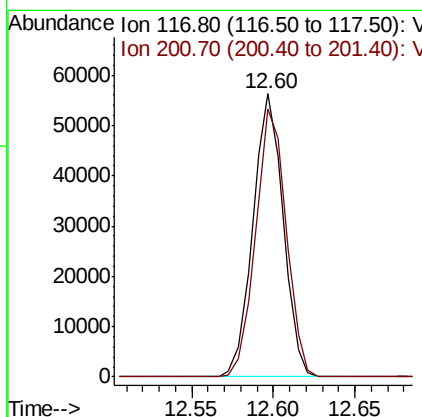
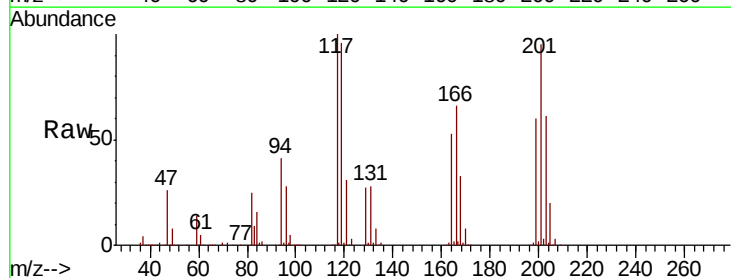
Manual Integrations
APPROVED

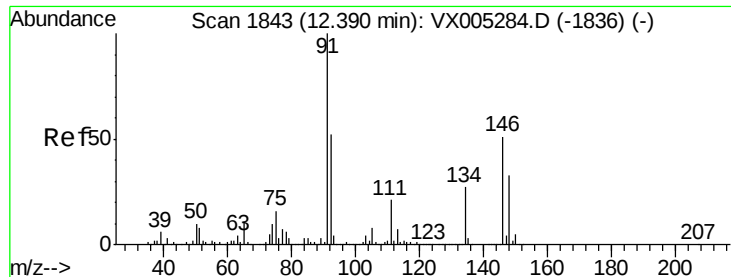
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#90
Hexachloroethane
Concen: 48.862 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.5	46.9	140.6





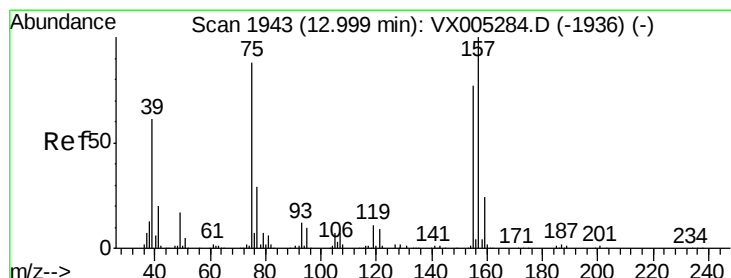
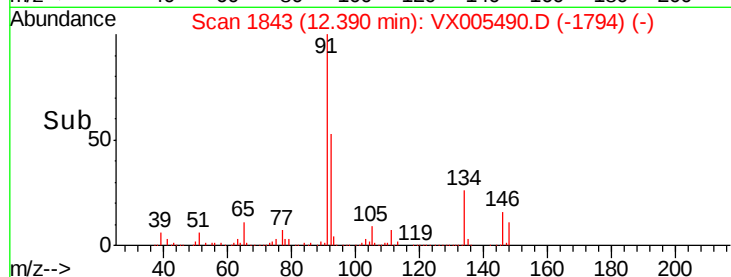
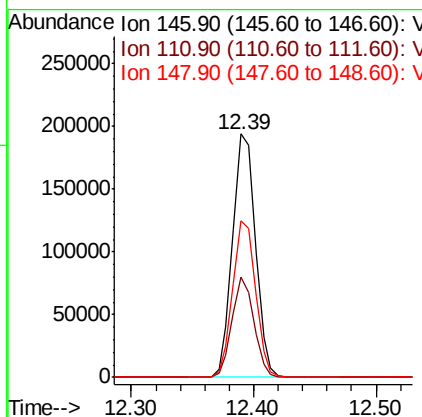
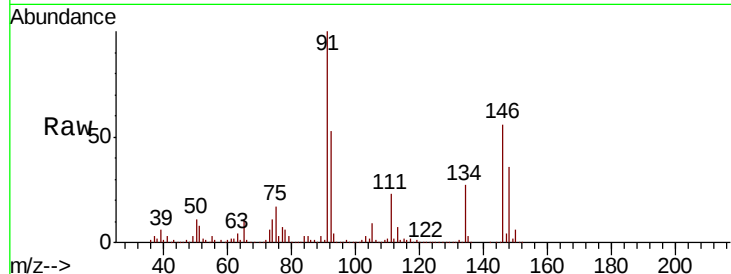
#91
 1,2-Dichlorobenzene
 Concen: 49.483 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.2	32.8	98.3

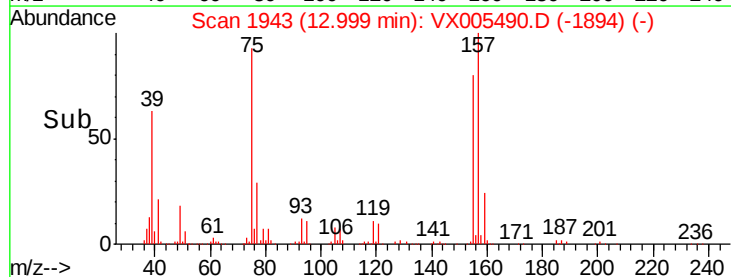
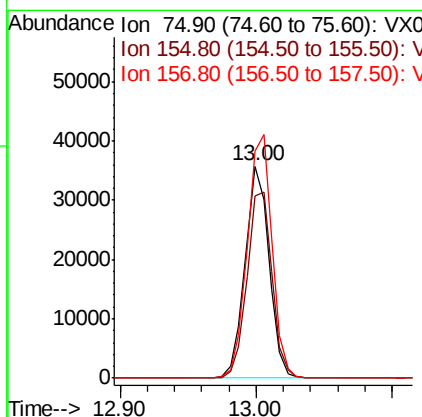
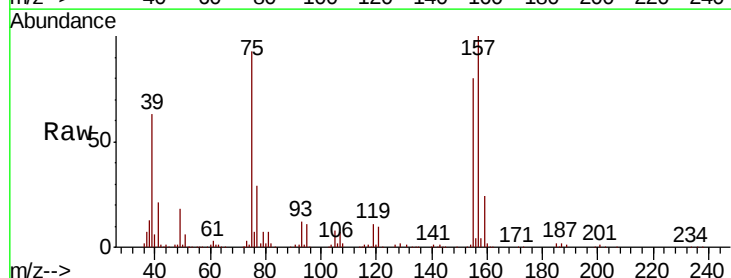
Manual Integrations
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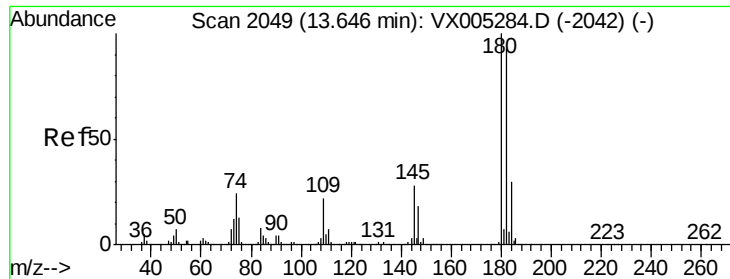
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.539 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	48.0	144.2
157	118.6	61.4	184.1





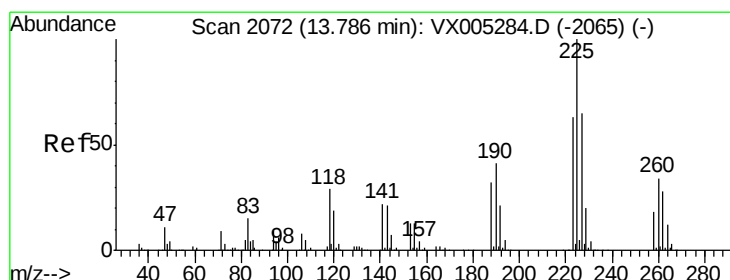
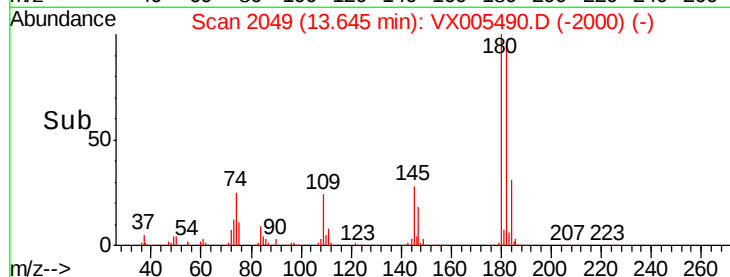
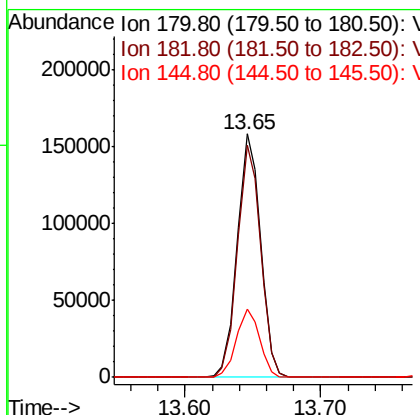
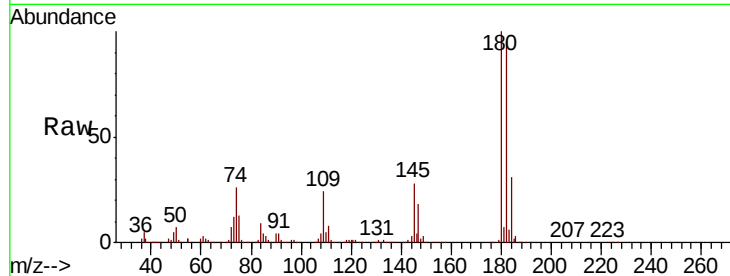
#93
 1,2,4-Trichlorobenzene
 Concen: 50.440 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	187769		
182	95.3	48.4	145.0	
145	28.1	14.3	42.9	

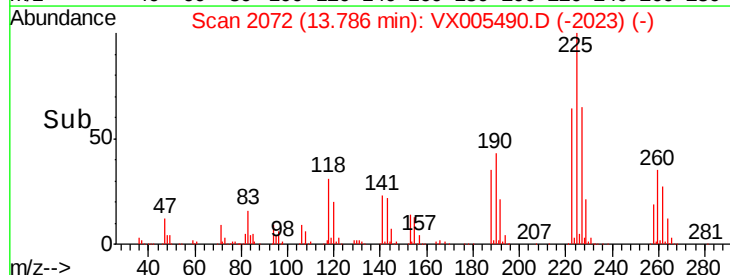
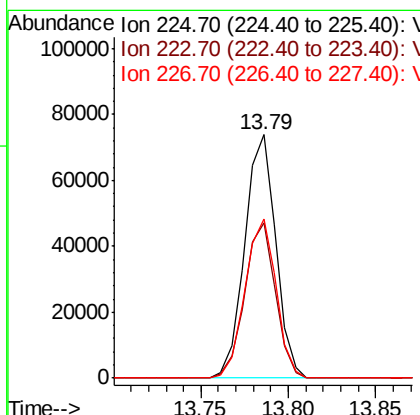
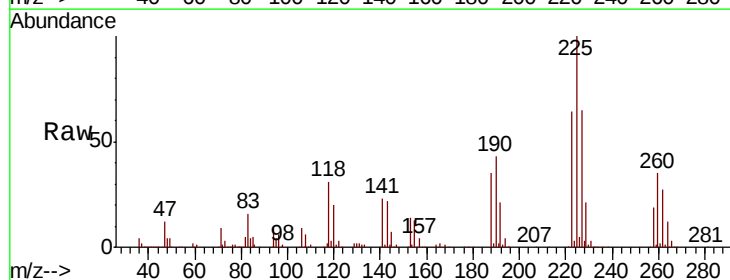
Manual Integrations
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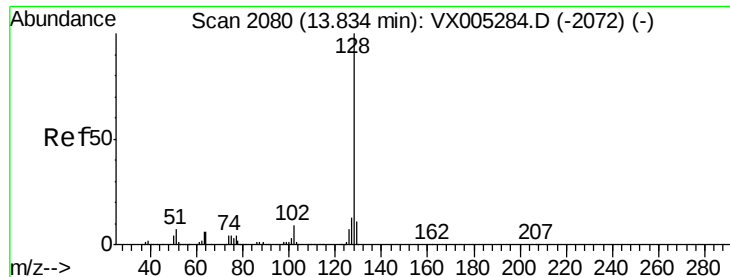
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#94
 Hexachlorobutadiene
 Concen: 46.262 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90956		
223	63.5	30.1	90.5	
227	65.6	30.8	92.4	





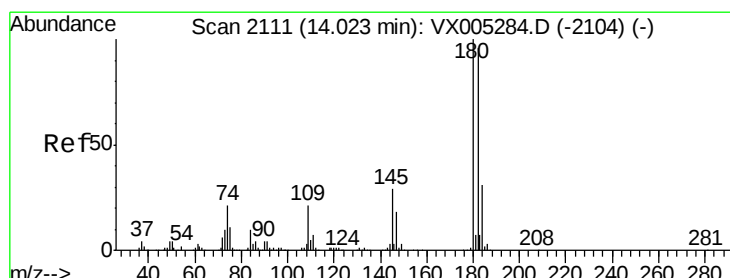
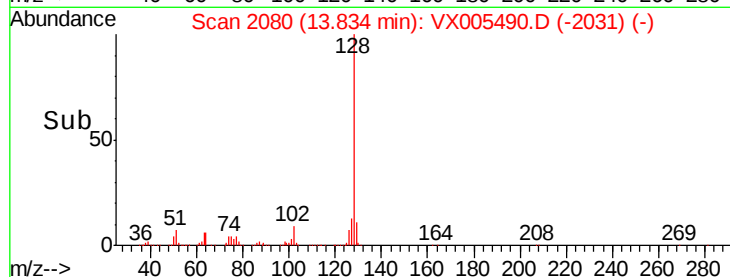
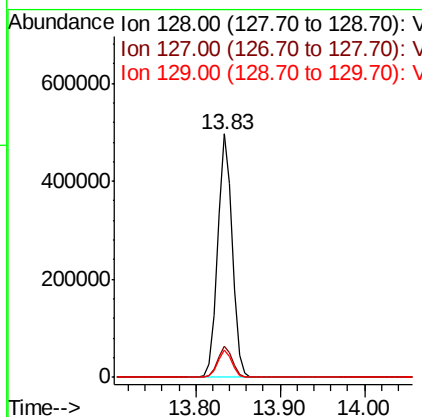
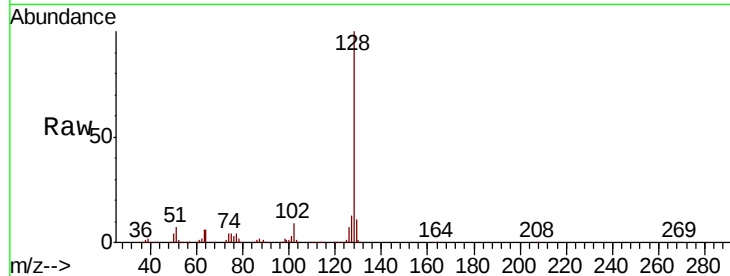
#95
Naphthalene
Concen: 55.004 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.141 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.5	145.6
145	29.6	14.9	44.9

