

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050618\
 Data File : VX001459.D
 Acq On : 06 May 2018 21:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/18/2018 2:17:35 PM

Quant Time: May 07 07:44:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	262578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	350247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	241484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	187350	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	5.51	113	154375	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	8.72	98	568268	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.14	95	214786	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	183777	51.99	ug/l	99
3) Chloromethane	1.32	50	174286	50.63	ug/l	99
4) Vinyl Chloride	1.40	62	185413	51.61	ug/l	99
5) Bromomethane	1.64	94	89045	54.46	ug/l	99
6) Chloroethane	1.71	64	120052	50.55	ug/l	100
7) Trichlorofluoromethane	1.93	101	279380	51.67	ug/l	100
8) Diethyl Ether	2.19	74	108337	51.12	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	154896	48.86	ug/l	99
10) Methyl Iodide	2.51	142	250761	54.82	ug/l	100
11) Tert butyl alcohol	3.09	59	205396	258.13	ug/l	100
12) 1,1-Dichloroethene	2.37	96	148984	51.28	ug/l	99
13) Acrolein	2.30	56	41582	265.83	ug/l	98
14) Allyl chloride	2.73	41	278673	51.44	ug/l	99
15) Acrylonitrile	3.15	53	453819	252.39	ug/l	99
16) Acetone	2.45	43	404344	235.94	ug/l	99
17) Carbon Disulfide	2.57	76	381844	51.64	ug/l	99
18) Methyl Acetate	2.78	43	232613	51.66	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	525560	51.95	ug/l	99
20) Methylene Chloride	2.86	84	169053	49.82	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	163272	50.35	ug/l	99
22) Diisopropyl ether	3.88	45	526611	52.03	ug/l	98
23) Vinyl Acetate	3.83	43	2231715	264.56	ug/l	100
24) 1,1-Dichloroethane	3.70	63	275838	48.79	ug/l	100
25) 2-Butanone	4.71	43	625127	252.35	ug/l	100
26) 1,2-Dichloropropane	4.59	77	193068	44.22	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	179815	52.07	ug/l	96
28) Bromochloromethane	5.03	49	125014	51.00	ug/l	99
29) Tetrahydrofuran	5.17	42	407149	256.88	ug/l	100
30) Chloroform	5.23	83	307786	52.84	ug/l	97
31) Cyclohexane	5.58	56	250905	51.67	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	277584	54.53	ug/l	100
36) 1,1-Dichloropropene	5.81	75	224159	50.31	ug/l	99
37) Ethyl Acetate	4.87	43	243431	49.84	ug/l	100
38) Carbon Tetrachloride	5.79	117	248150	52.22	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	258406	49.06	ug/l	98
40) Benzene	6.15	78	668585	51.38	ug/l	99
41) Methacrylonitrile	5.07	41	140465	50.27	ug/l	99
42) 1,2-Dichloroethane	6.20	62	257220	51.43	ug/l	100
43) Isopropyl Acetate	6.48	43	392220	52.32	ug/l	99
44) Trichloroethene	7.22	130	204107	51.32	ug/l	98
45) 1,2-Dichloropropane	7.52	63	165373	50.97	ug/l	99
46) Dibromomethane	7.67	93	117064	50.97	ug/l	99
47) Bromodichloromethane	7.90	83	228322	53.72	ug/l	100
48) Methyl methacrylate	7.79	41	209797	51.39	ug/l	99
49) 1,4-Dioxane	7.76	88	91643	1039.05	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1303235	261.59	ug/l	99
52) Toluene	8.79	92	448301	52.69	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	260554	54.24	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	238534	48.12	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	175285	51.13	ug/l	99
56) Ethyl methacrylate	9.19	69	261740	52.97	ug/l	100
57) 1,3-Dichloropropane	9.38	76	290226	51.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	644941	266.10	ug/l	99
59) 2-Hexanone	9.51	43	974002	255.31	ug/l	99
60) Dibromochloromethane	9.59	129	191912	54.67	ug/l	98
61) 1,2-Dibromoethane	9.68	107	189202	52.57	ug/l	99
64) Tetrachloroethene	9.34	164	243319	52.00	ug/l	98
65) Chlorobenzene	10.14	112	501994	50.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	186997	53.10	ug/l	99
67) Ethyl Benzene	10.26	91	837942	51.93	ug/l	100
68) m/p-Xylenes	10.37	106	673073	105.57	ug/l	99
69) o-Xylene	10.70	106	327198	52.80	ug/l	99
70) Styrene	10.72	104	541758	53.82	ug/l	99
71) Bromoform	10.86	173	157910	46.87	ug/l	99
73) Isopropylbenzene	11.02	105	872665	52.20	ug/l	100
74) N-amyl acetate	6.48	43	392220	51.65	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	255117	51.67	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	248515m	50.74	ug/l	
77) Bromobenzene	11.26	156	249605	51.36	ug/l	99
78) n-propylbenzene	11.37	91	969690	53.27	ug/l	100
79) 2-Chlorotoluene	11.43	91	578724	51.66	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	736007	52.88	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	66588	43.92	ug/l	98
82) 4-Chlorotoluene	11.52	91	678237	52.48	ug/l	100
83) tert-Butylbenzene	11.77	119	719233	51.93	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	758963	53.06	ug/l	100
85) sec-Butylbenzene	11.95	105	886827	53.35	ug/l	99
86) p-Isopropyltoluene	12.07	119	815591	53.48	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	449510	51.74	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	451653	50.97	ug/l	100
89) n-Butylbenzene	12.40	91	663430	52.51	ug/l	100
90) Hexachloroethane	12.60	117	125519	54.67	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	451943	51.13	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	58760	54.17	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	341188	52.75	ug/l	100
94) Hexachlorobutadiene	13.79	225	176762	49.95	ug/l	100
95) Naphthalene	13.84	128	980064	54.79	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	351113	52.90	ug/l	99

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

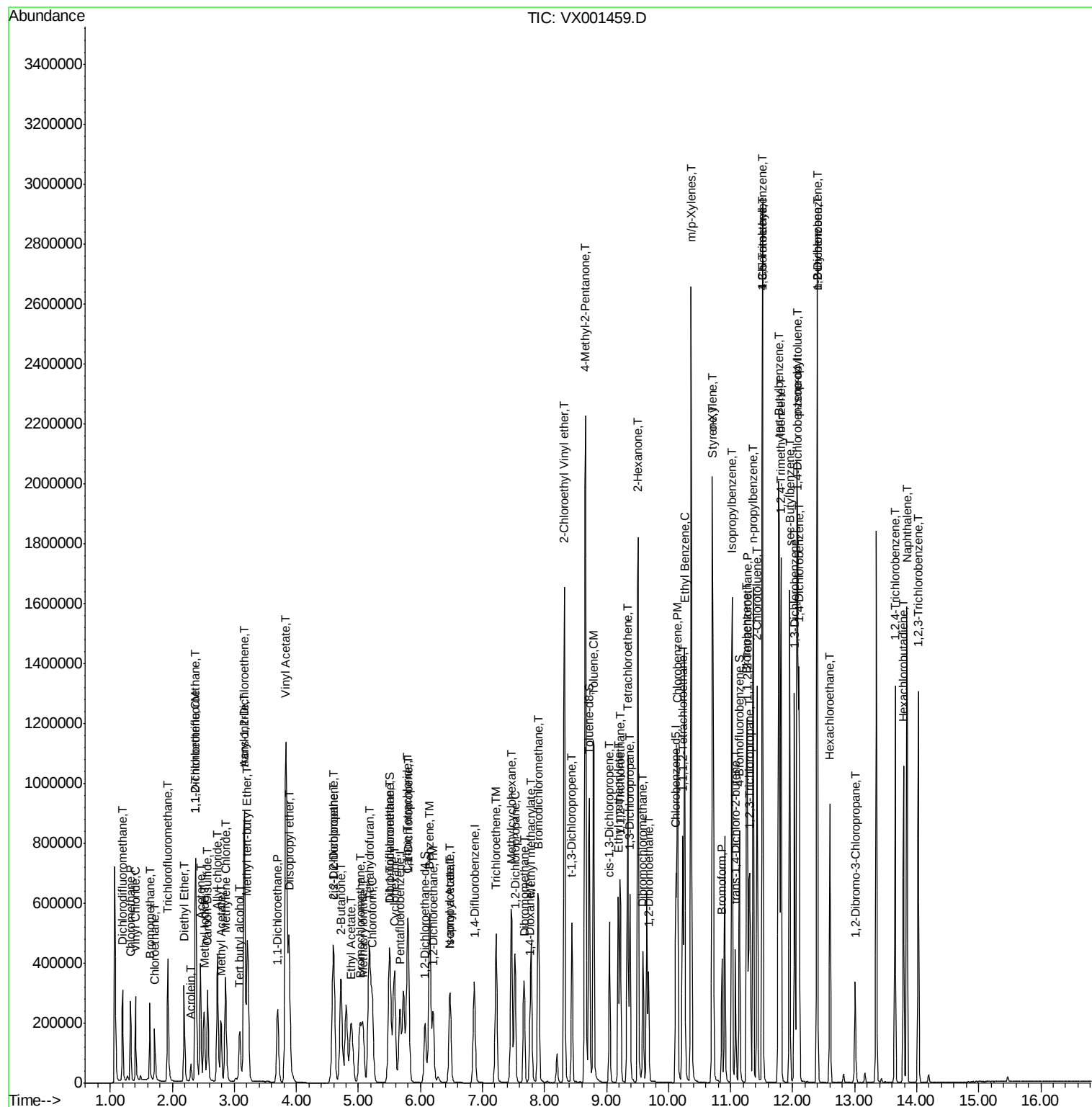
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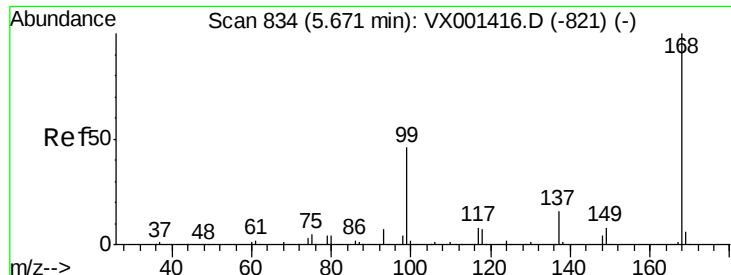
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 262578

Ion Ratio Lower Upper

168 100

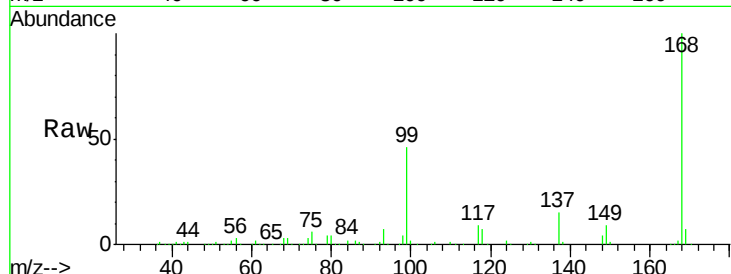
99 46.2 36.6 54.8

Manual Integrations

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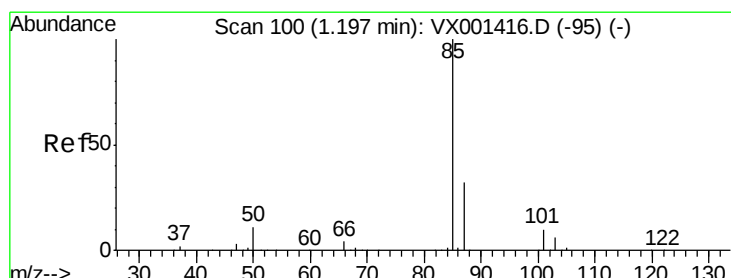
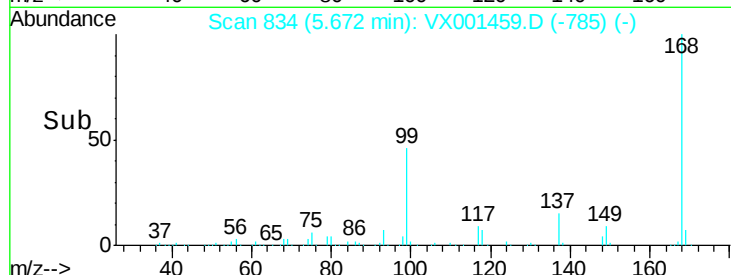
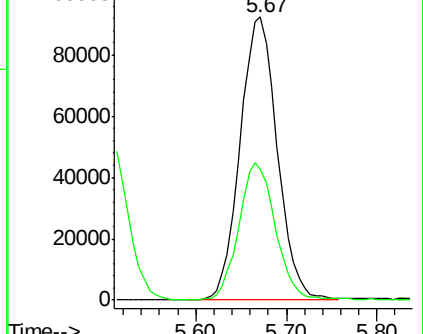
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.99 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001459.D

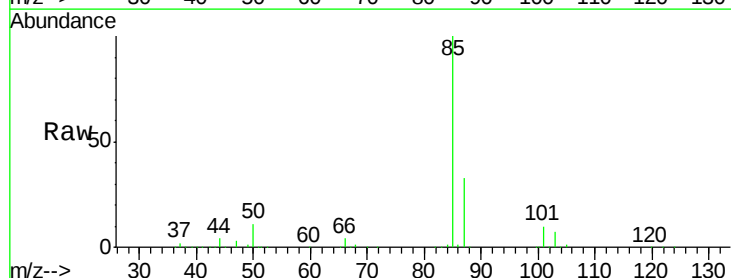
Acq: 06 May 2018 21:57

Tgt Ion: 85 Resp: 183777

Ion Ratio Lower Upper

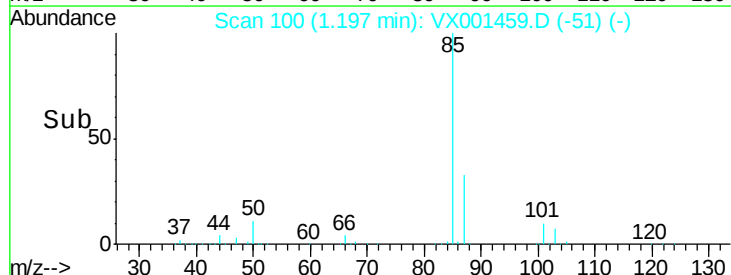
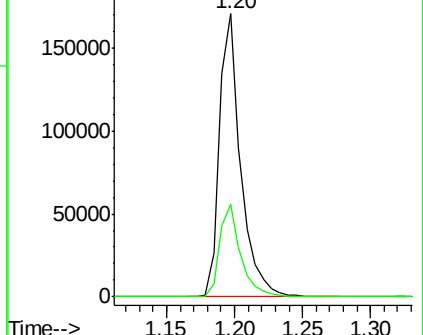
85 100

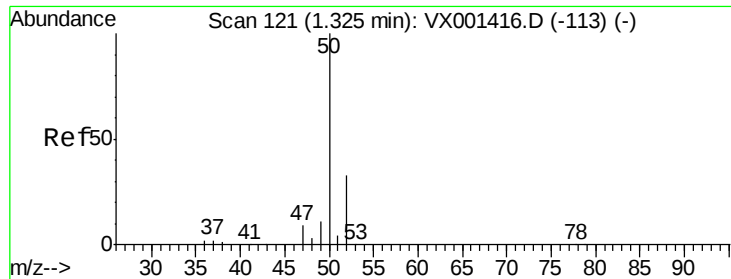
87 32.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 50.63 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 174286

Ion Ratio Lower Upper

50 100

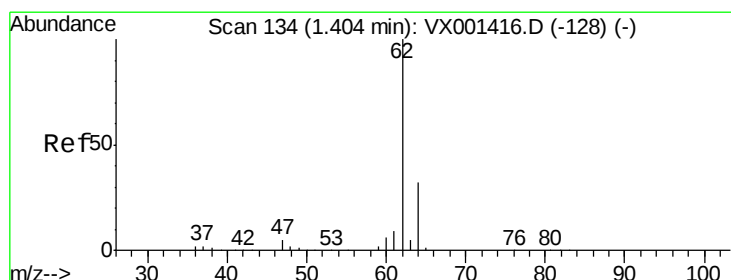
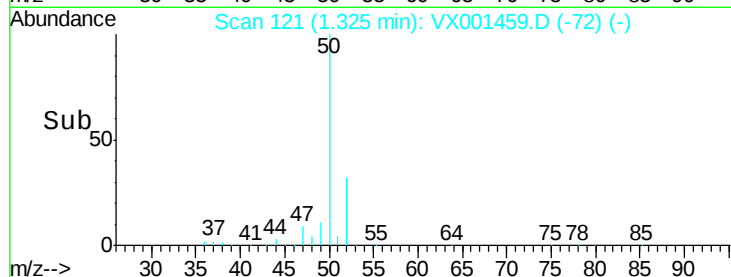
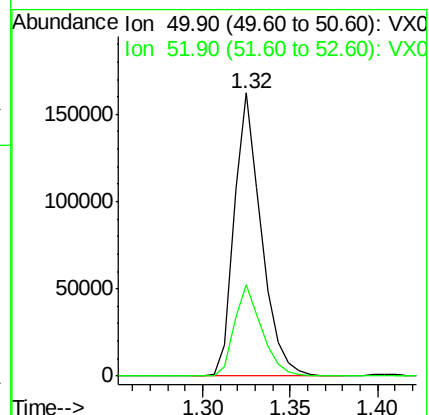
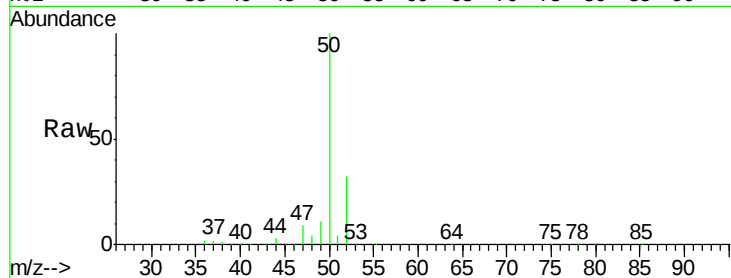
52 32.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.61 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001459.D

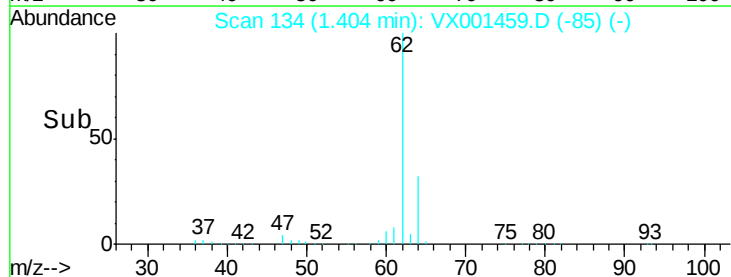
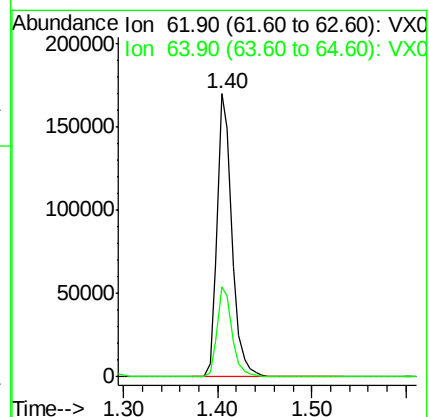
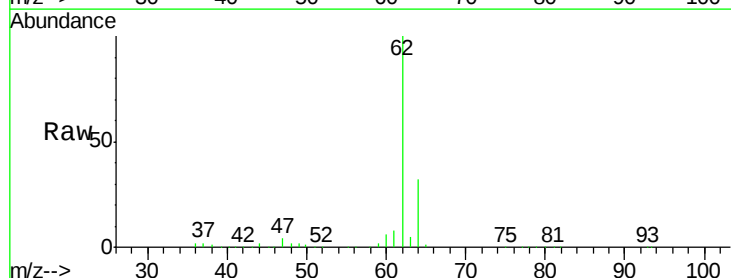
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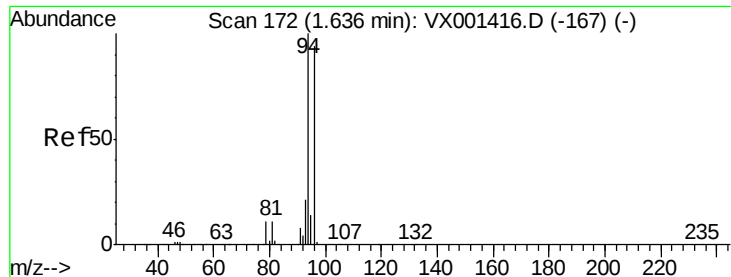
Tgt Ion: 62 Resp: 185413

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.6





#5

Bromomethane

Concen: 54.46 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

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Tot Ion: 94 Resp: 89045

Ion Ratio Lower Upper

94 100

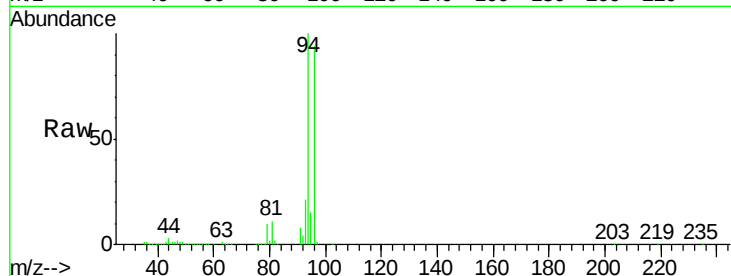
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Manual Integrations

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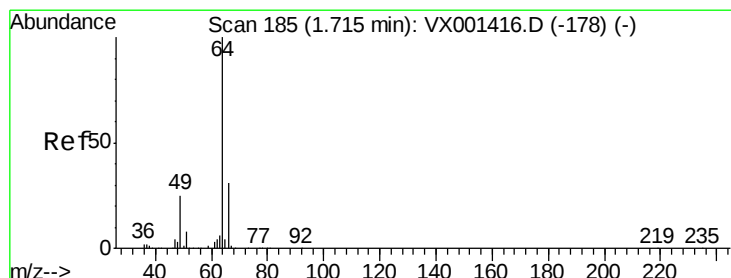
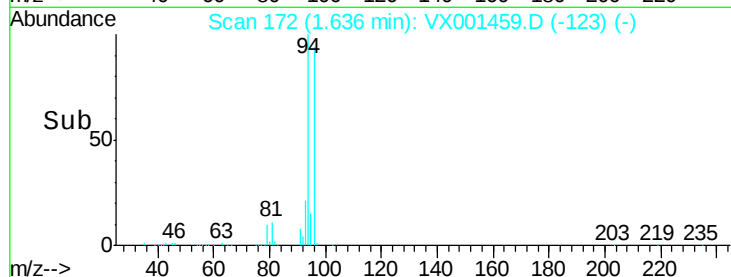
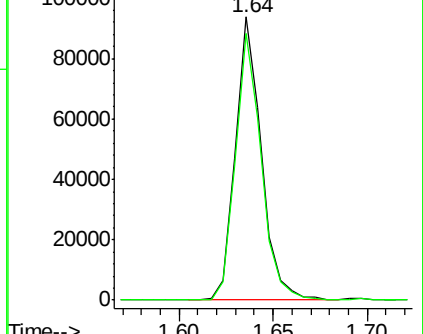
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.55 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001459.D

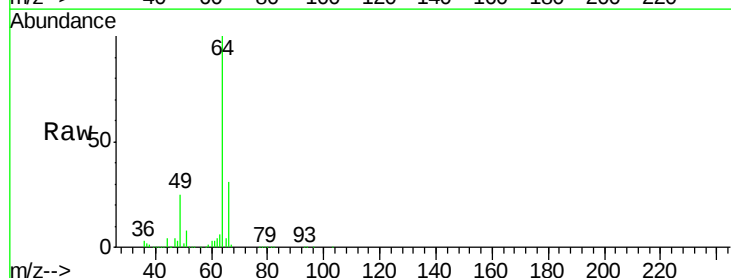
Acq: 06 May 2018 21:57

Tgt Ion: 64 Resp: 120052

Ion Ratio Lower Upper

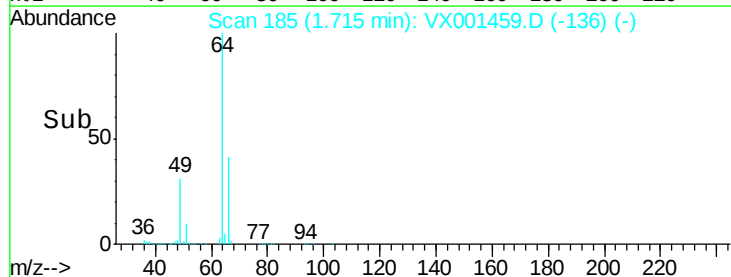
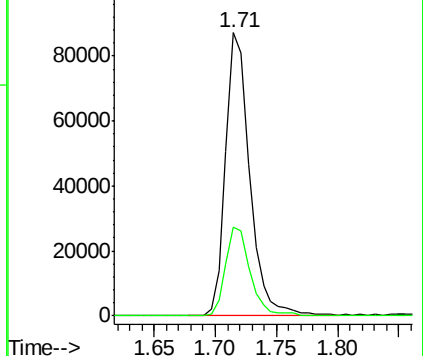
64 100

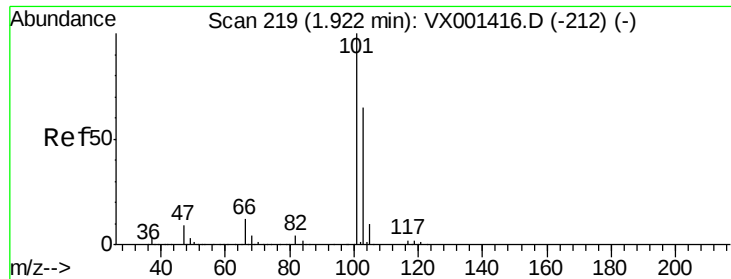
66 31.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

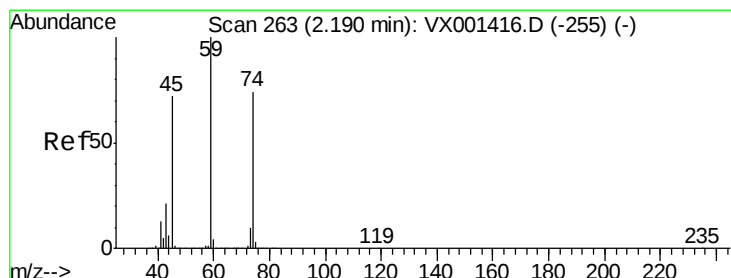
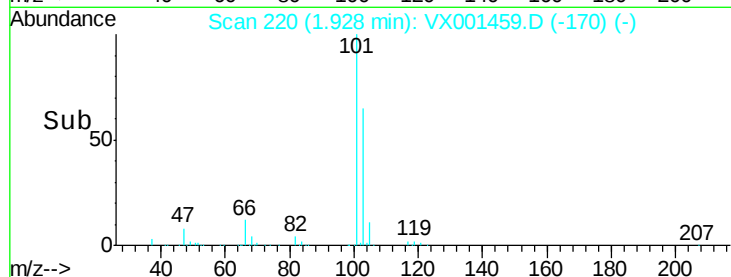
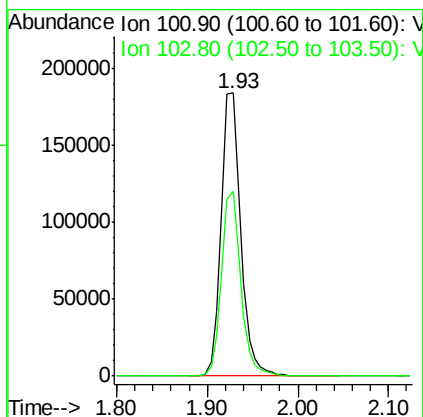
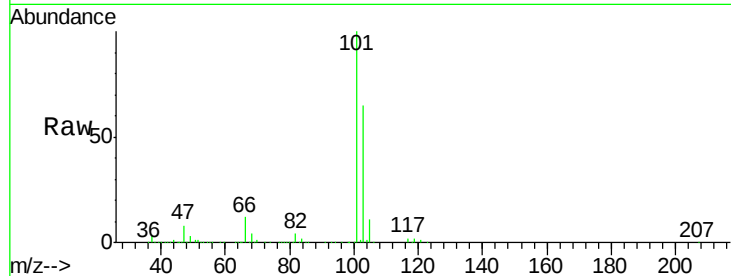
Trichlorofluoromethane
 Concen: 51.67 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.0	78.0

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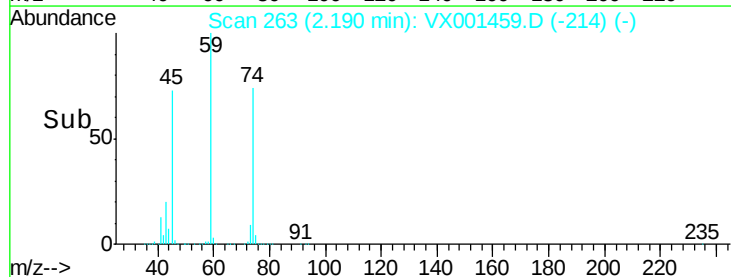
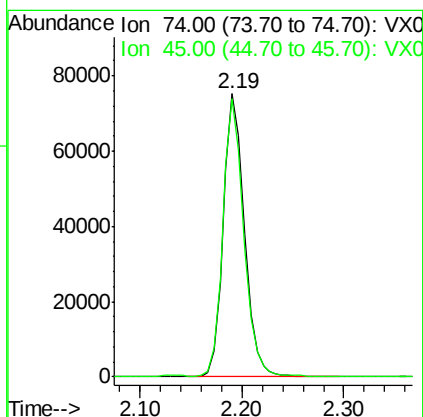
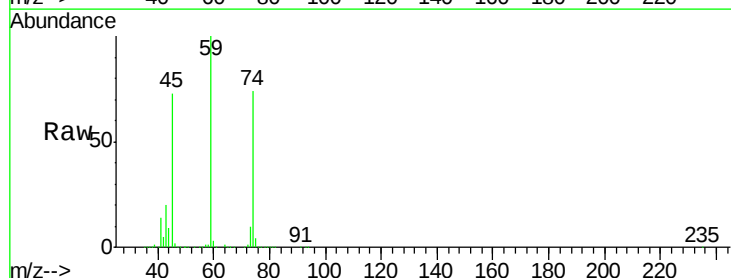
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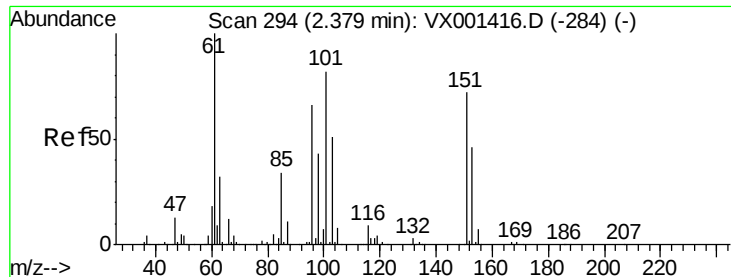


#8

Diethyl Ether
 Concen: 51.12 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001459.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.86 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

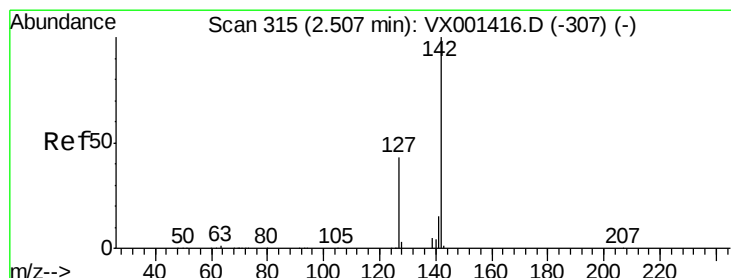
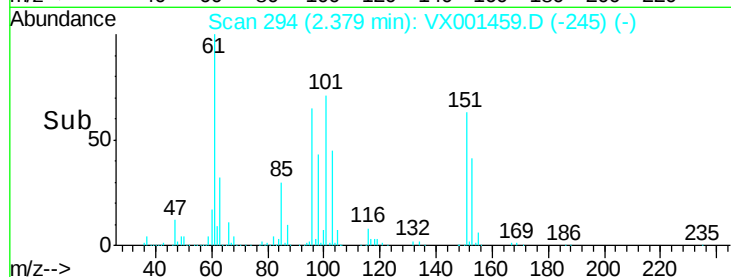
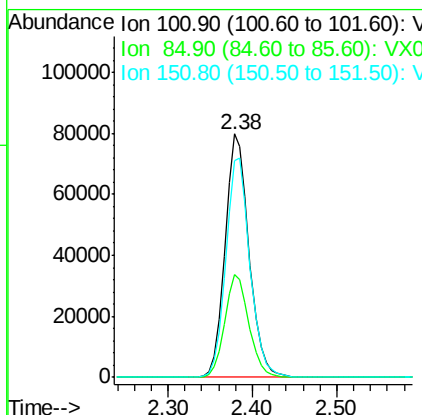
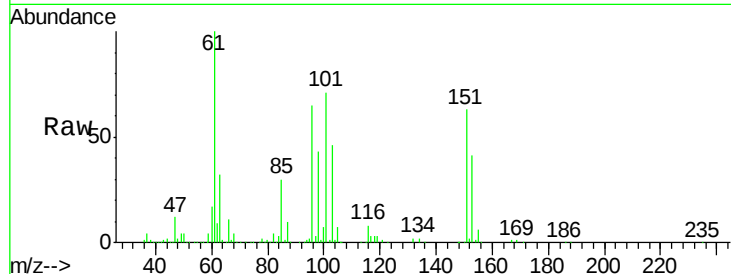
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	154896
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.7	50.5
151	90.9	72.3	108.5

Manual Integrations
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#10

Methyl Iodide

Concen: 54.82 ug/l

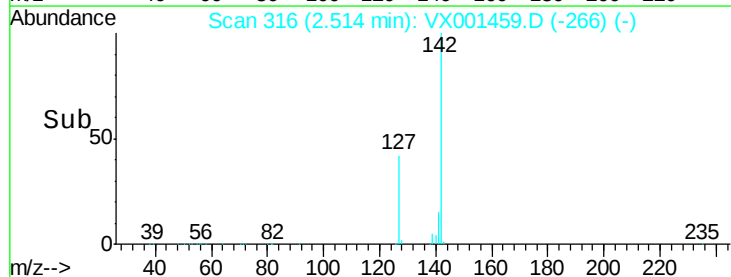
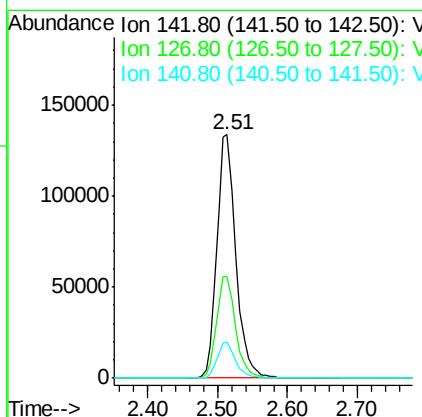
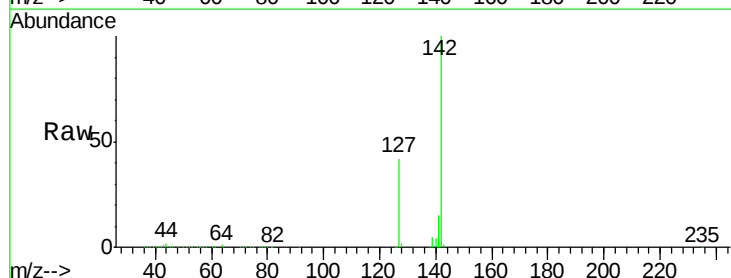
RT: 2.51 min Scan# 316

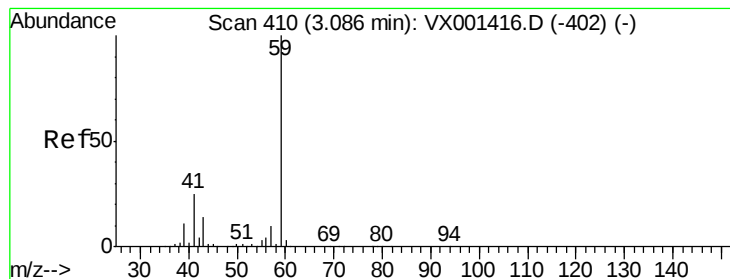
Delta R.T. 0.01 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tgt Ion:	142	Resp:	250761
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.6	50.4
141	14.3	11.4	17.2





#11

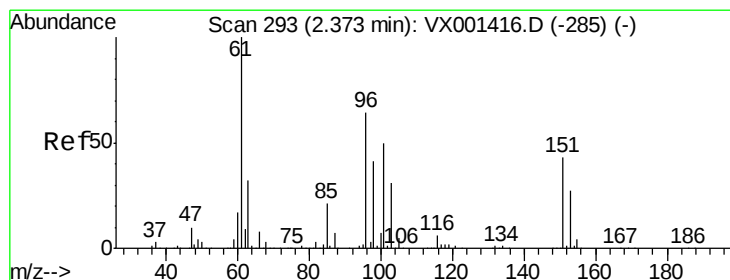
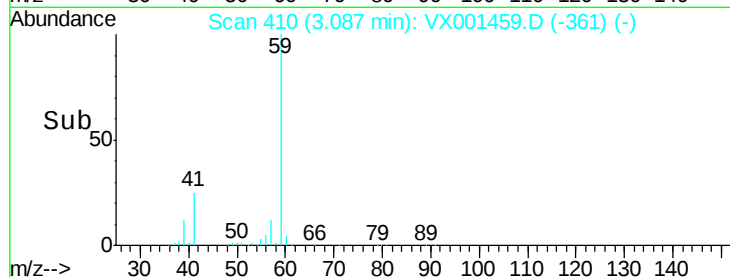
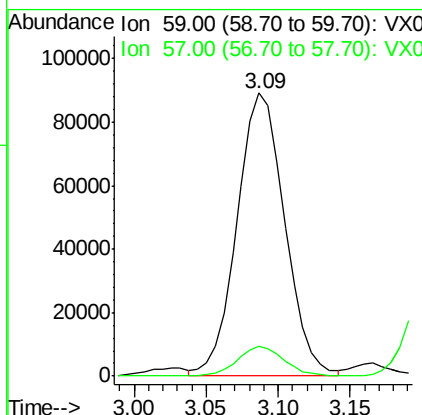
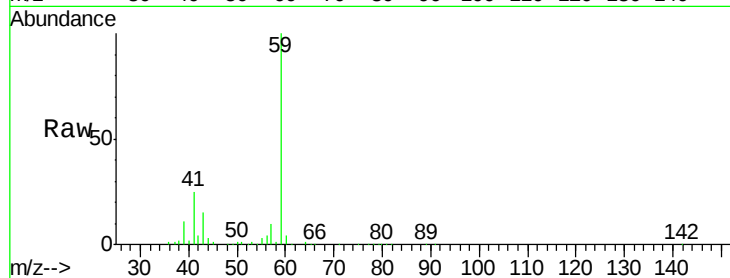
Tert butyl alcohol
 Concen: 258.13 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	205396
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.4

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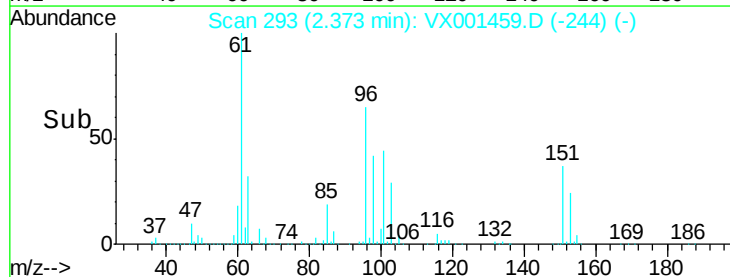
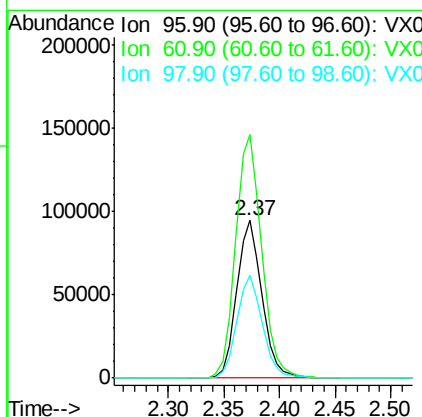
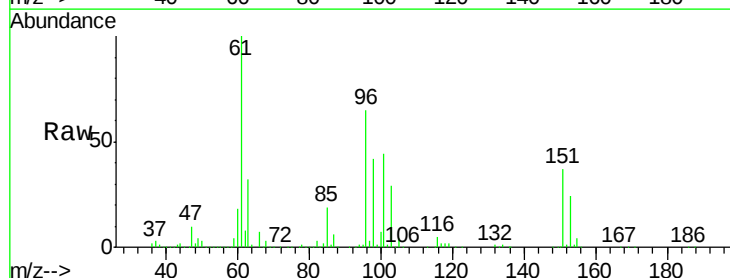
MMDadoda
 5/18/2018 2:17:35 PM



#12

1,1-Dichloroethene
 Concen: 51.28 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion	96	Resp	148984
Ion Ratio	100	Lower	Upper
61	154.4	125.7	188.5
98	64.9	52.0	78.0





#13

Acrolein

Concen: 265.83 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41582

Ion Ratio Lower Upper

56 100

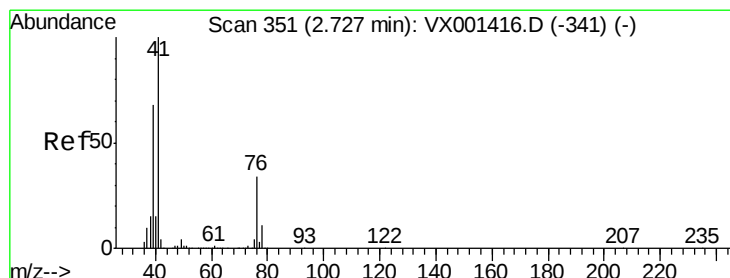
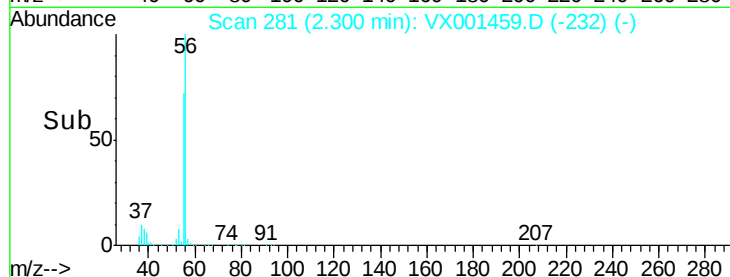
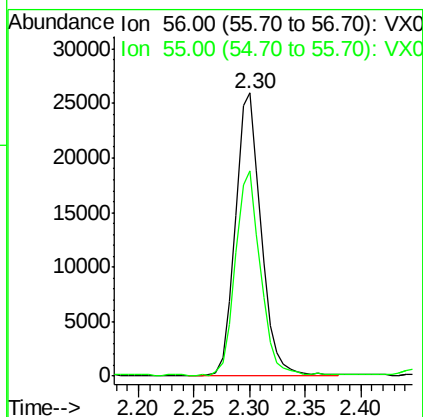
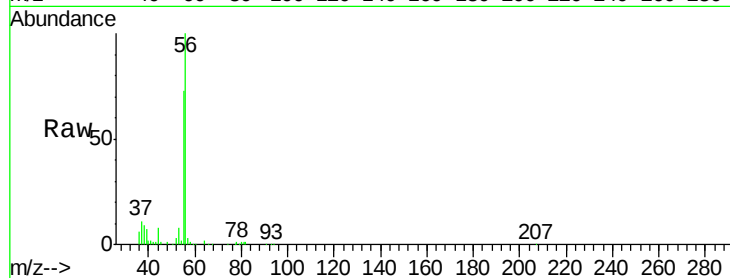
55 69.5 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 51.44 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

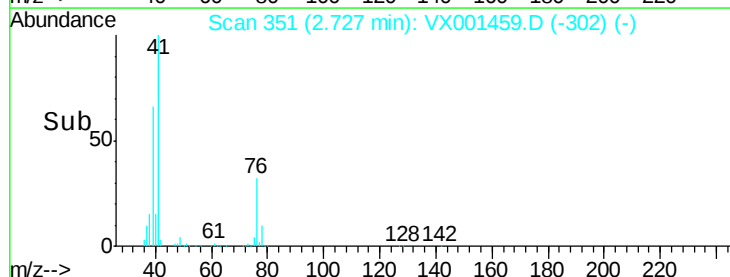
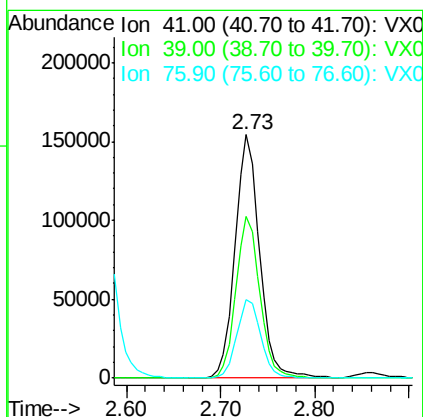
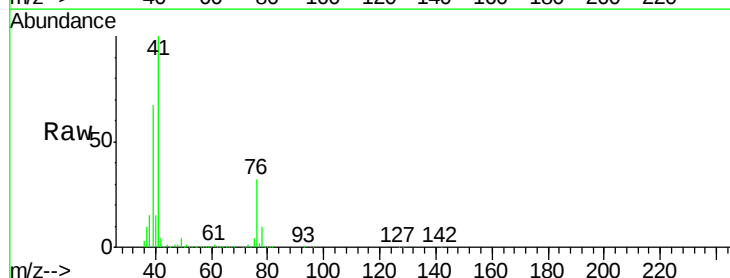
Tgt Ion: 41 Resp: 278673

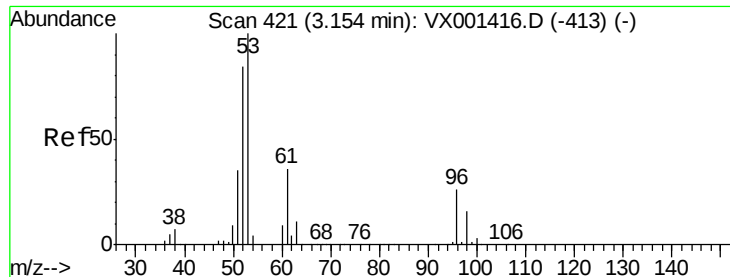
Ion Ratio Lower Upper

41 100

39 65.0 52.4 78.6

76 31.8 25.8 38.6





#15

Acrylonitrile

Concen: 252.39 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

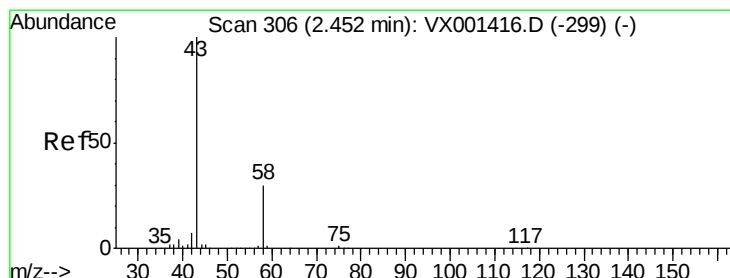
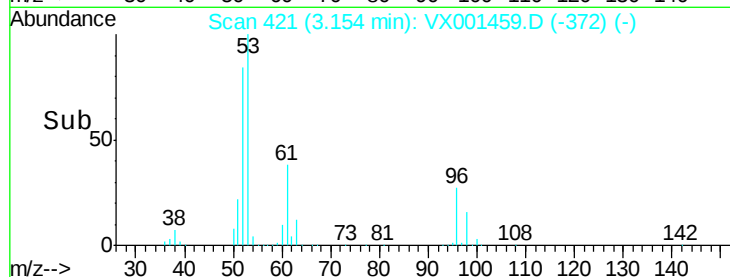
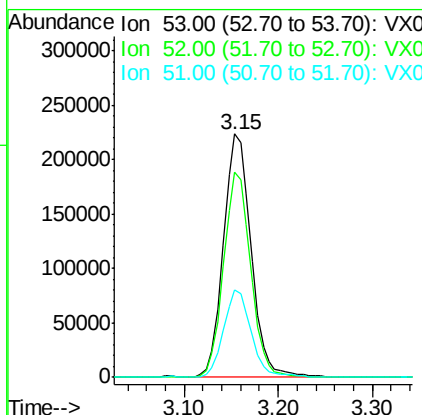
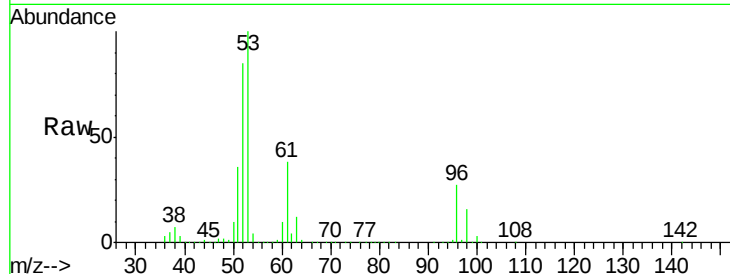
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	453819
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.2	99.2
51	36.3	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 235.94 ug/l

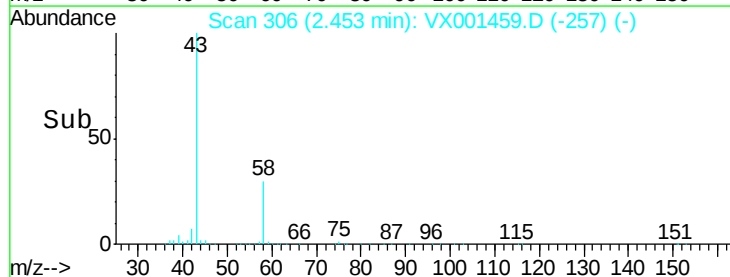
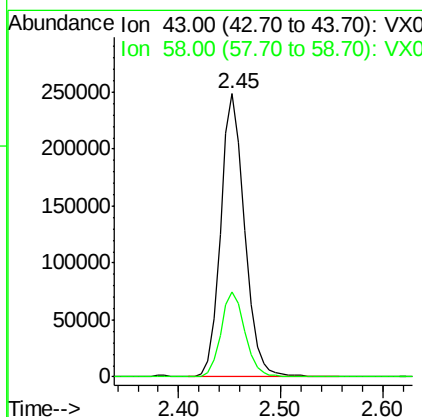
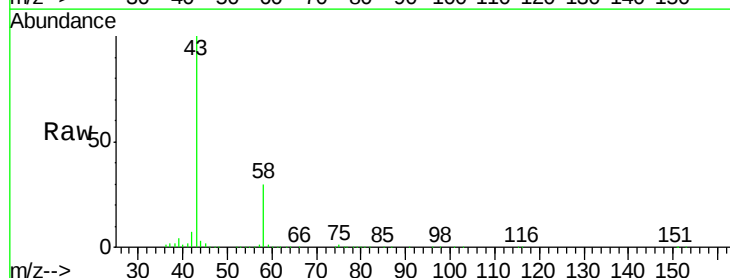
RT: 2.45 min Scan# 306

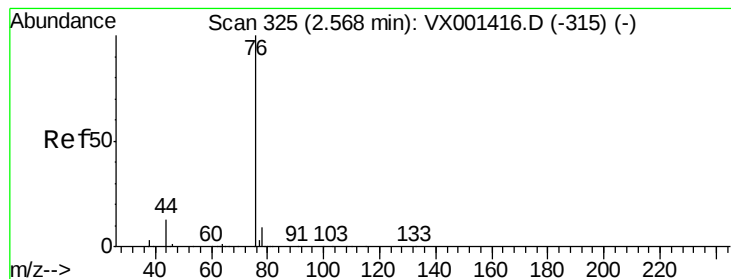
Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tgt Ion:	43	Resp:	404344
Ion Ratio		Lower	Upper
43	100		
58	30.1	23.8	35.8





#17

Carbon Disulfide

Concen: 51.64 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 381844

Ion Ratio Lower Upper

76 100

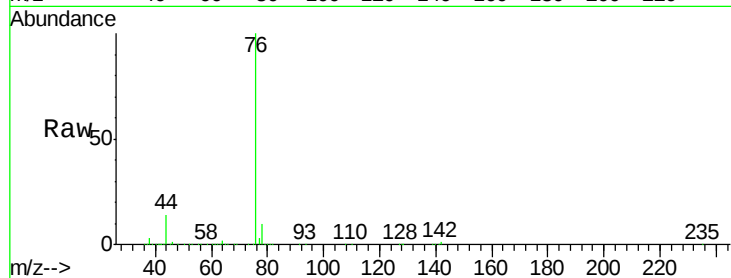
78 9.5 7.4 11.2

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

250000

200000

150000

100000

50000

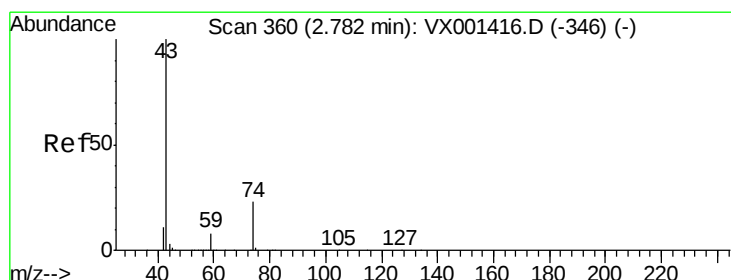
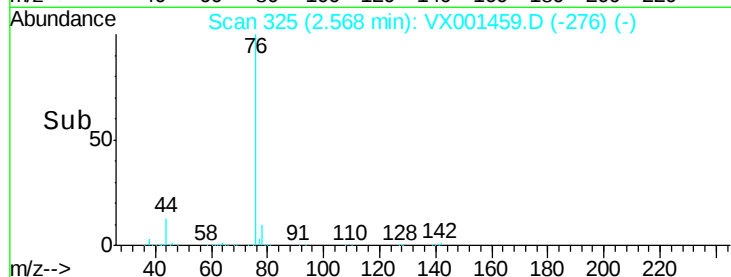
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 51.66 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001459.D

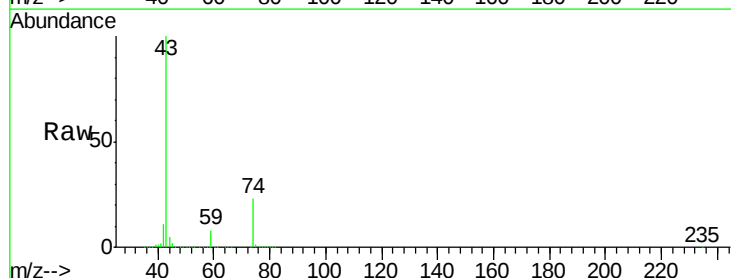
Acq: 06 May 2018 21:57

Tgt Ion: 43 Resp: 232613

Ion Ratio Lower Upper

43 100

74 23.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

100000

50000

0

2.70

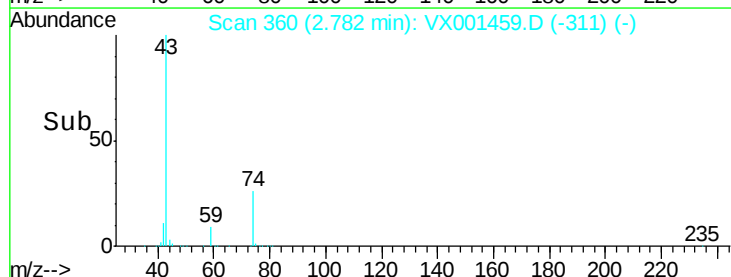
2.75

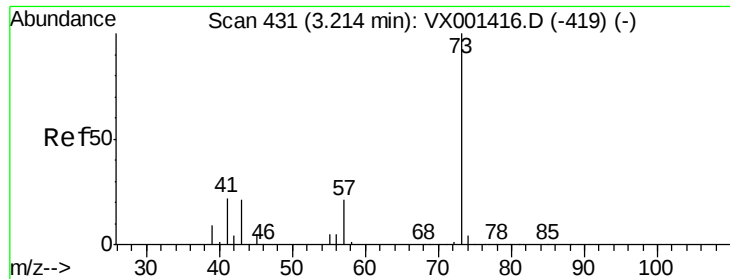
2.80

2.85

2.90

Time-->





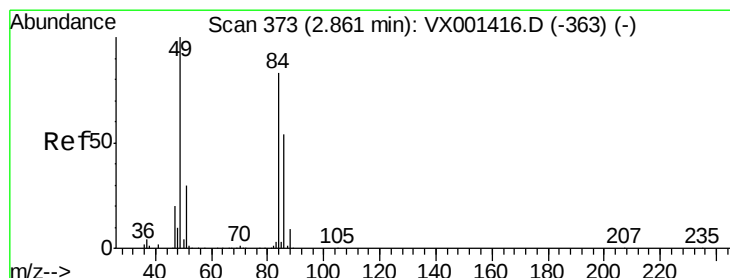
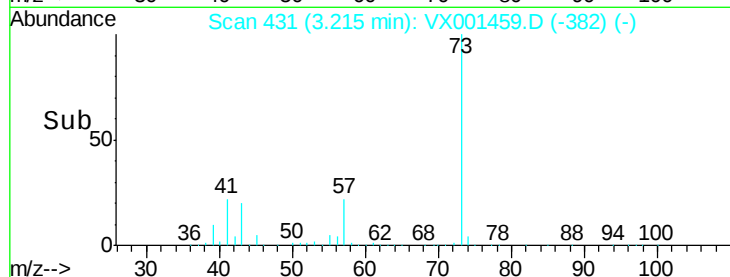
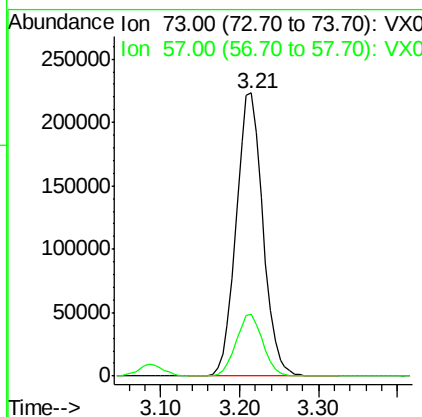
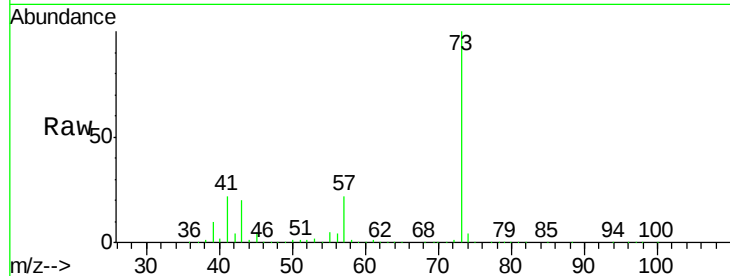
#19
Methvl tert-butvl Ether
Concen: 51.95 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 525560
Ion Ratio Lower Upper
73 100
57 21.7 17.0 25.6

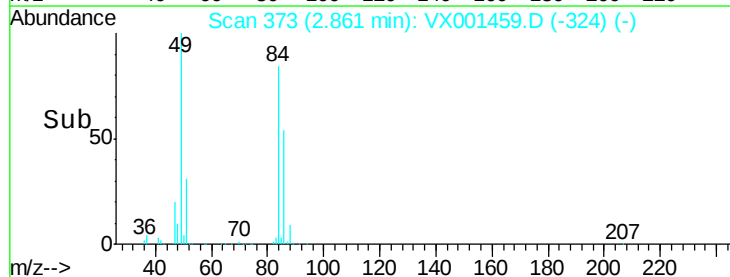
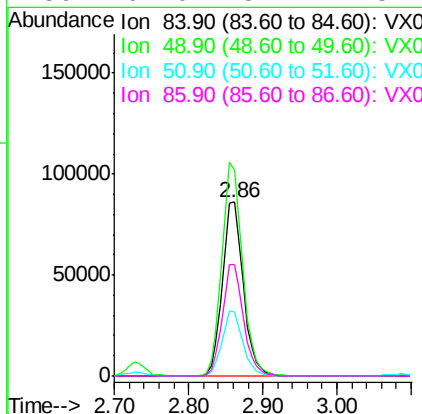
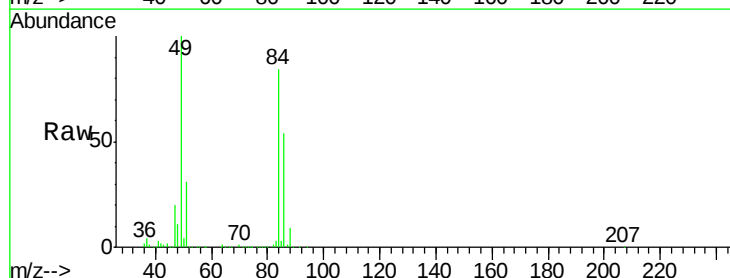
Manual Integrations
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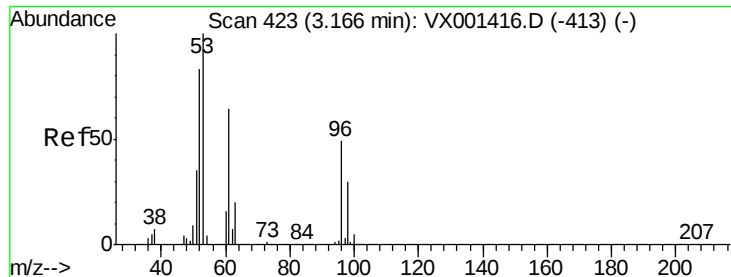
MMDadoda
5/18/2018 2:17:35 PM



#20
Methylene Chloride
Concen: 49.82 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 84 Resp: 169053
Ion Ratio Lower Upper
84 100
49 118.3 96.6 144.8
51 37.0 29.0 43.4
86 64.0 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 50.35 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

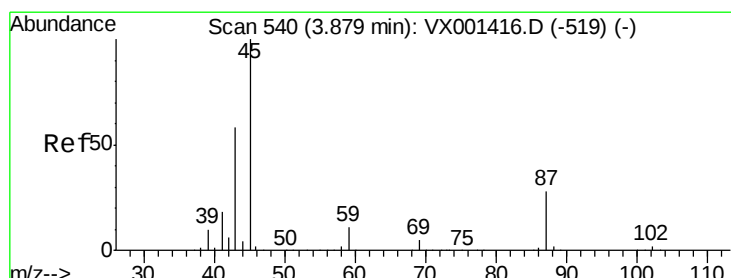
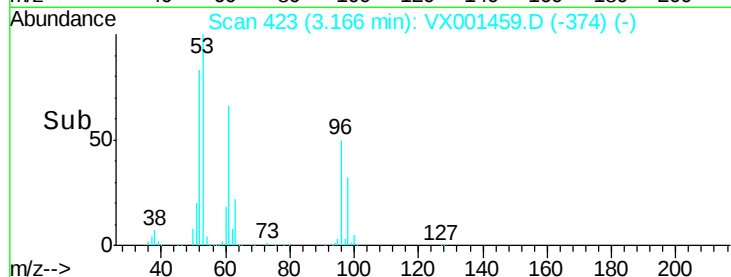
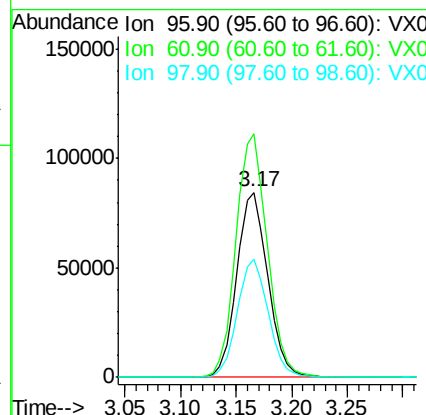
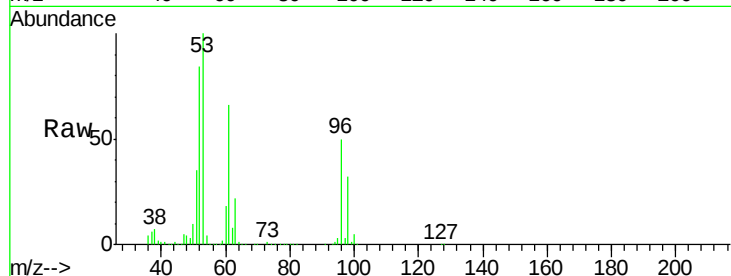
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	163272
Ion	Ratio	Lower	Upper
96	100		
61	131.3	105.0	157.4
98	63.6	49.9	74.9

Manual Integrations
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5/18/2018 2:17:35 PM



#22

Diisopropyl ether

Concen: 52.03 ug/l

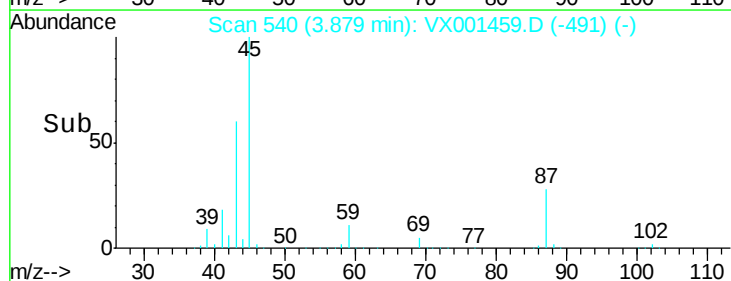
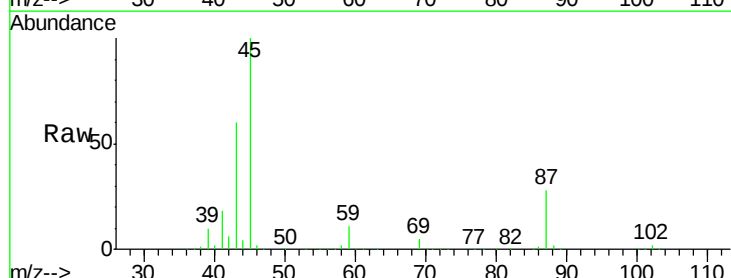
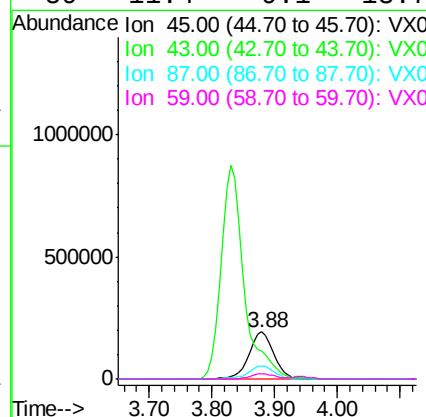
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tgt Ion:	45	Resp:	526611
Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.5	69.7
87	27.9	22.6	34.0
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 264.56 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2231715

Ion Ratio Lower Upper

43 100

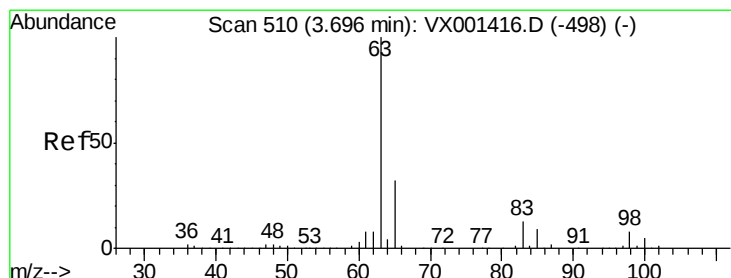
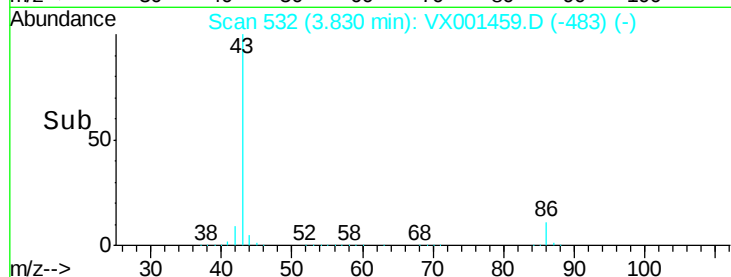
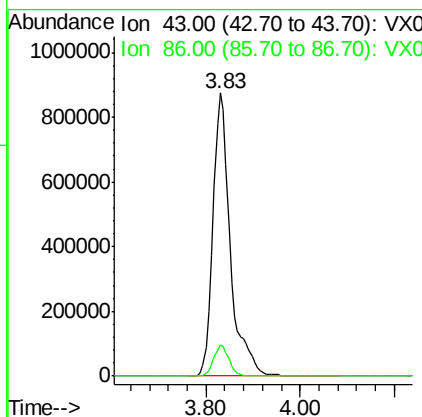
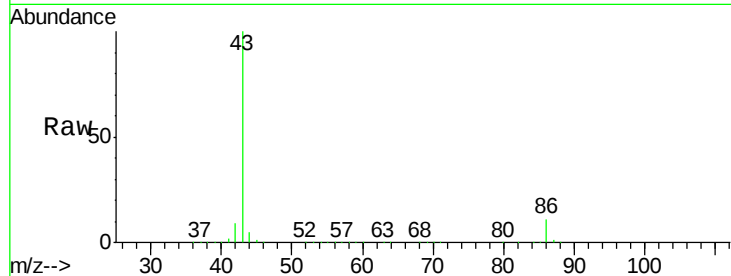
86 10.9 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

5/18/2018 2:17:35 PM



#24

1,1-Dichloroethane

Concen: 48.79 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

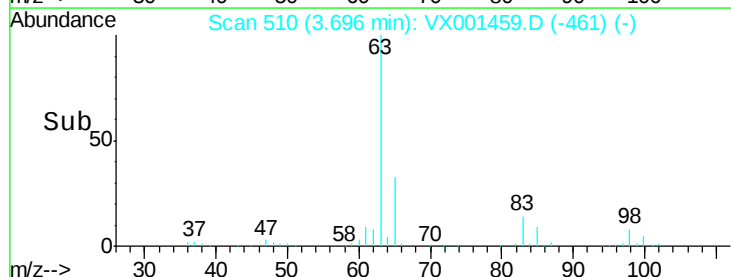
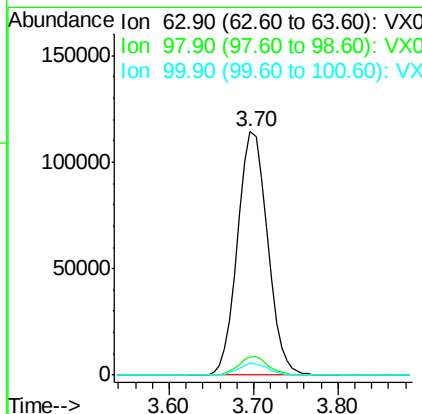
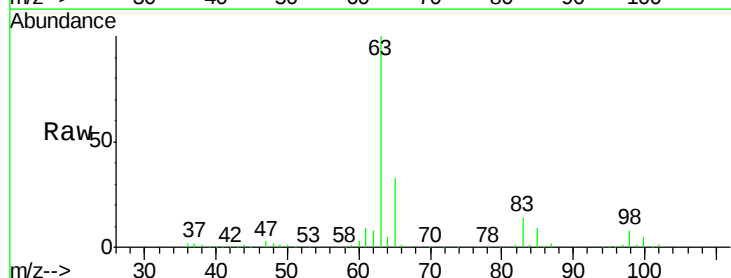
Tgt Ion: 63 Resp: 275838

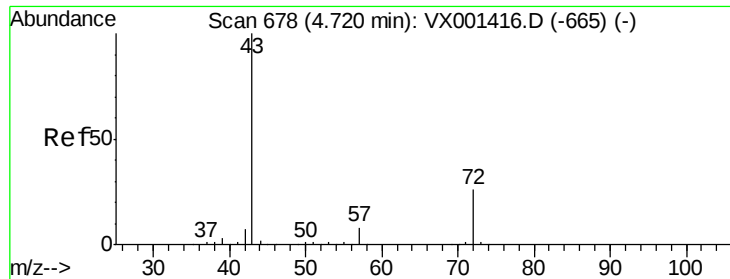
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 252.35 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 625127

Ion Ratio Lower Upper

43 100

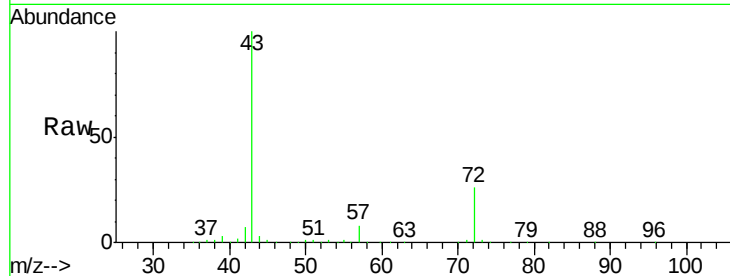
72 26.0 20.7 31.1

Manual Integrations

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MMDadoda

5/18/2018 2:17:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

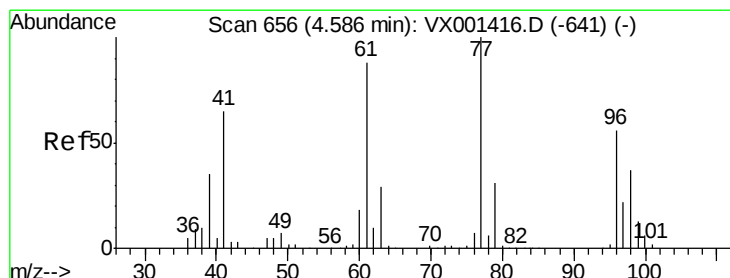
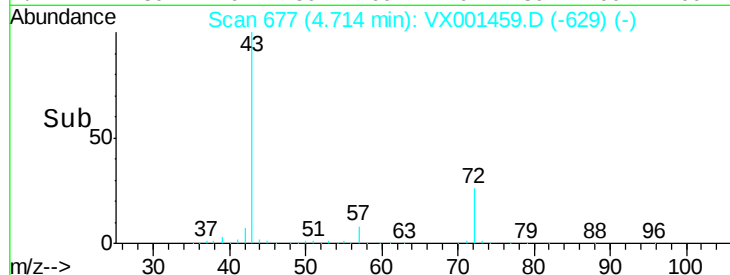
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.22 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001459.D

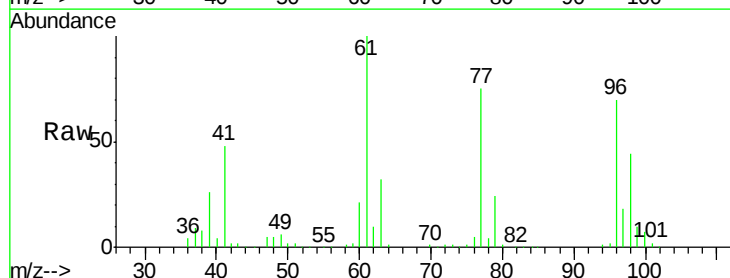
Acq: 06 May 2018 21:57

Tgt Ion: 77 Resp: 193068

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

40000

20000

0

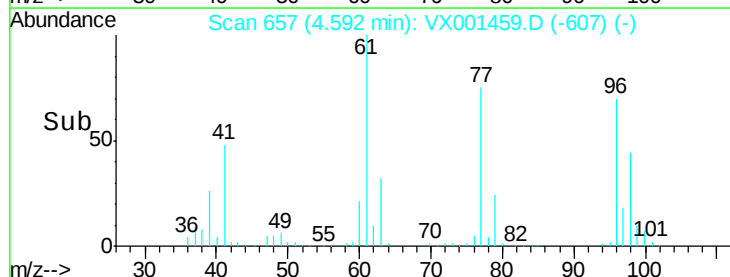
4.40

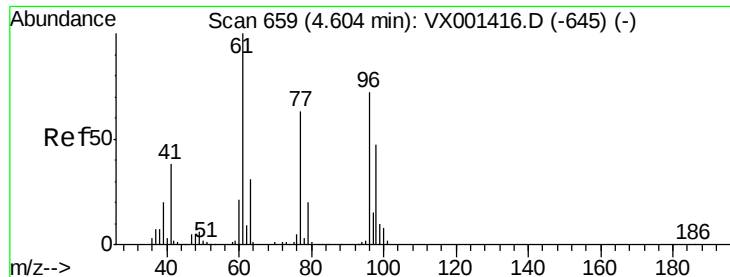
4.50

4.60

4.70

Time-->





#27

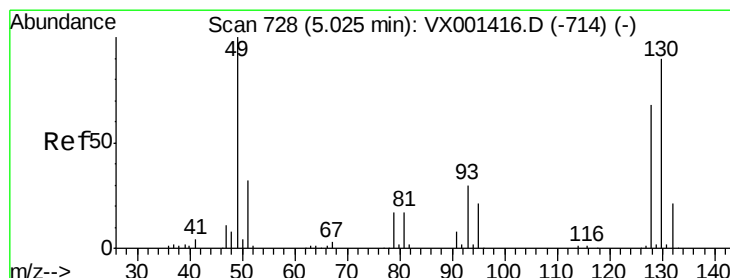
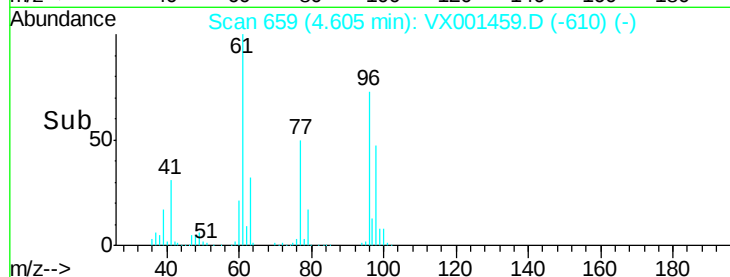
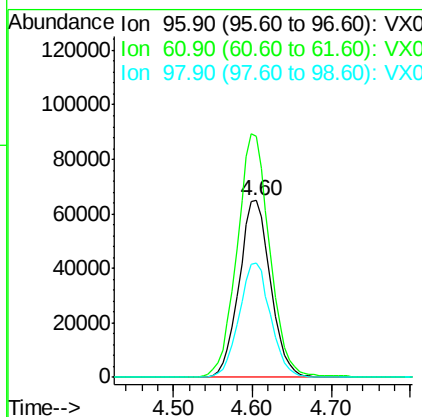
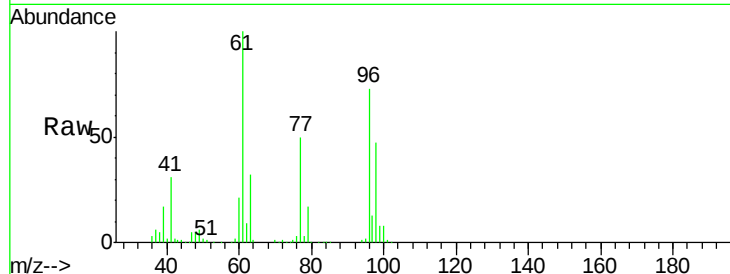
cis-1,2-Dichloroethene
Concen: 52.07 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	179815		
61	143.5	0.0	301.6	
98	64.6	0.0	131.6	

Manual Integrations
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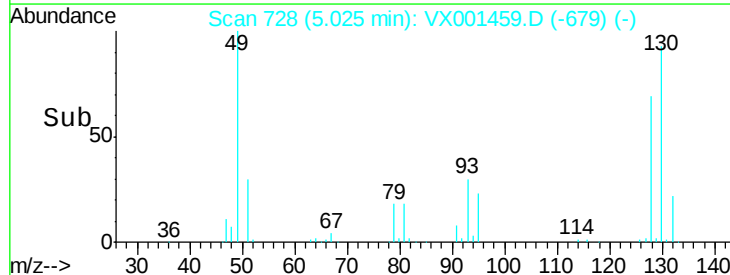
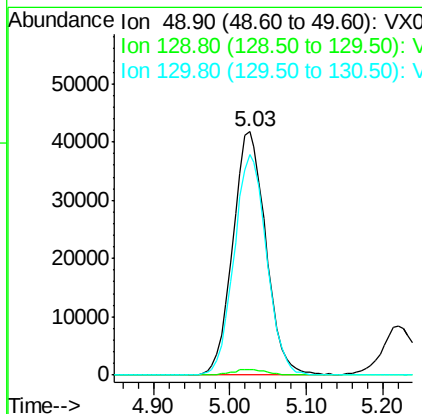
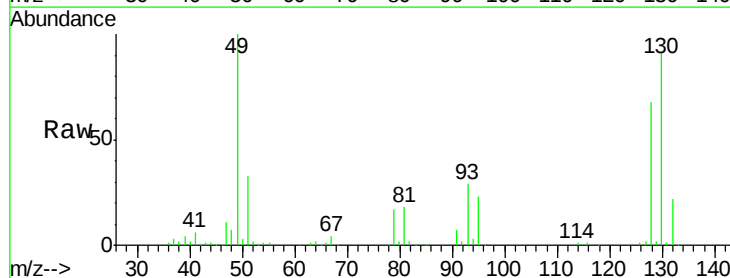
MMDadoda
5/18/2018 2:17:35 PM

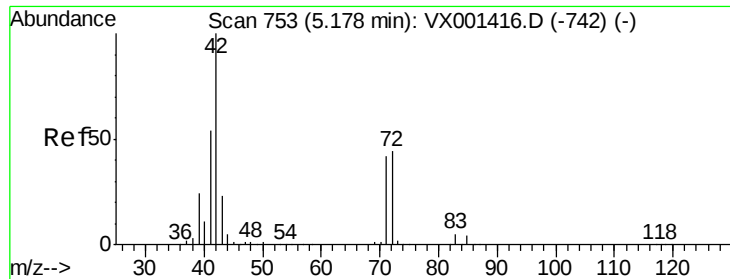


#28

Bromochloromethane
Concen: 51.00 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125014		
129	2.4	0.0	4.8	
130	89.3	71.9	107.9	





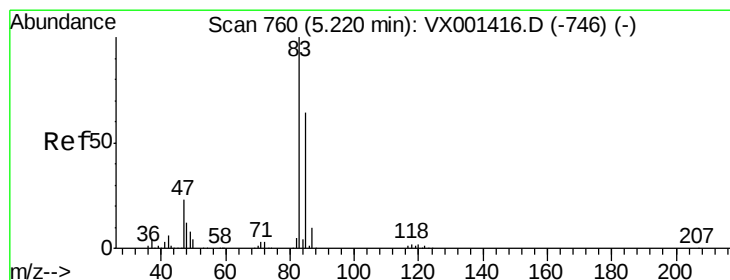
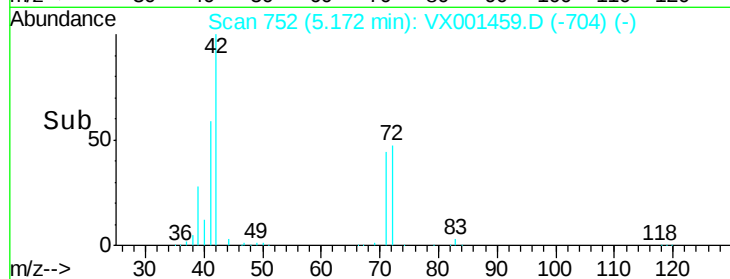
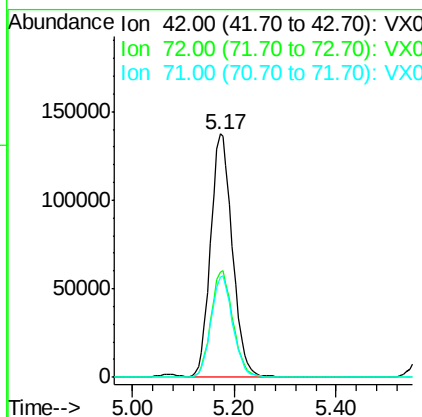
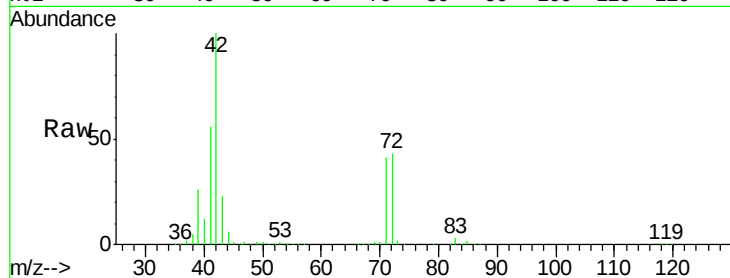
#29
Tetrahydrofuran
Concen: 256.88 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.4	53.2
71	41.5	33.0	49.4

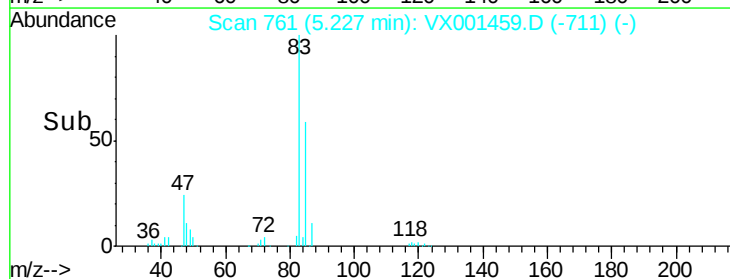
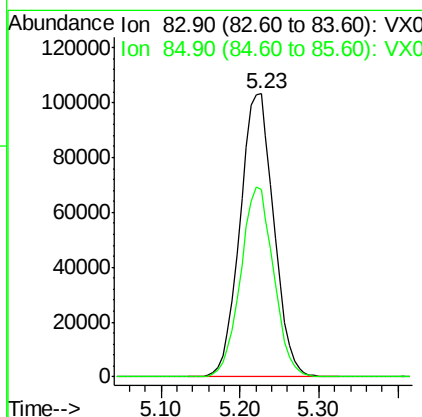
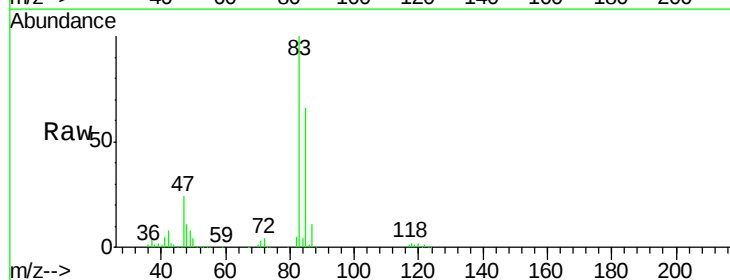
Manual Integrations
APPROVED

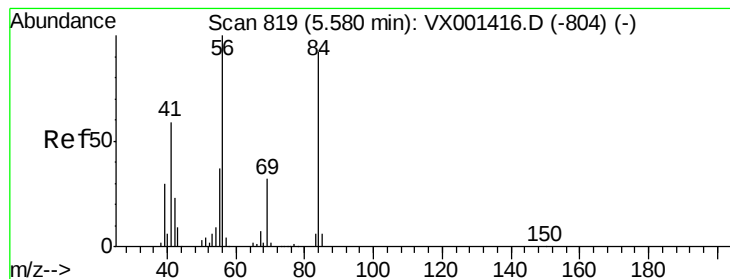
MMDadoda
5/18/2018 2:17:35 PM



#30
Chloroform
Concen: 52.84 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.0	76.4





#31

Cyclohexane

Concen: 51.67 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

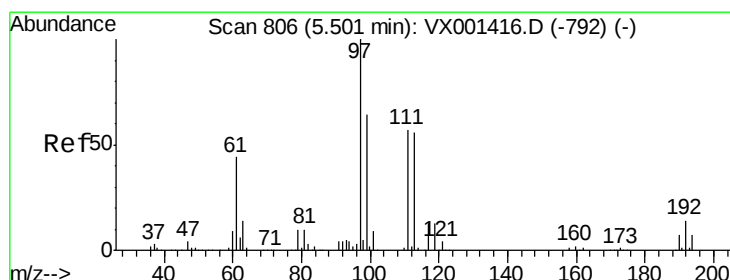
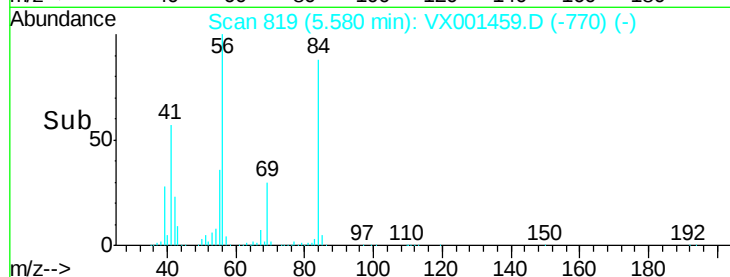
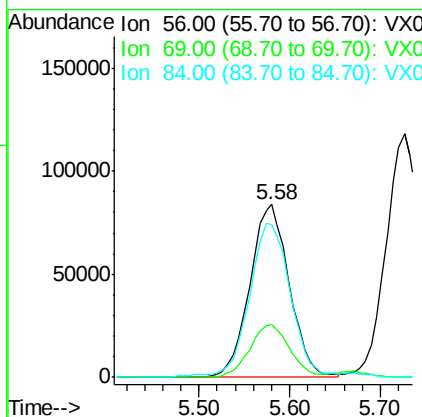
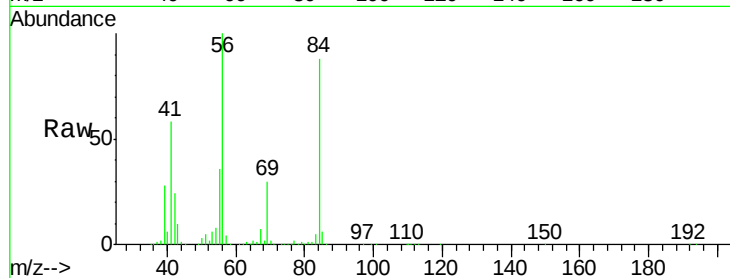
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	250905
Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.4	38.0
84	87.2	73.8	110.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.53 ug/l

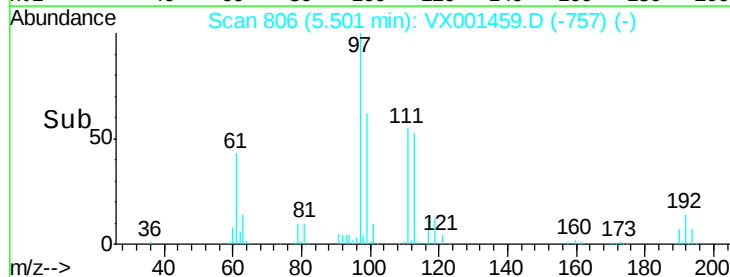
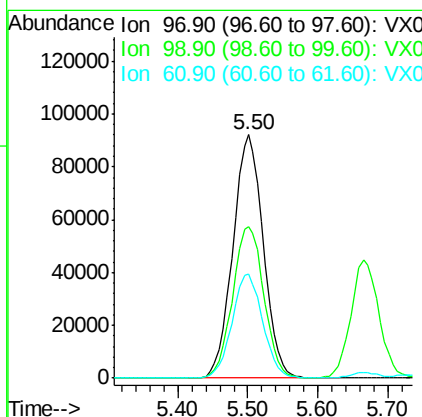
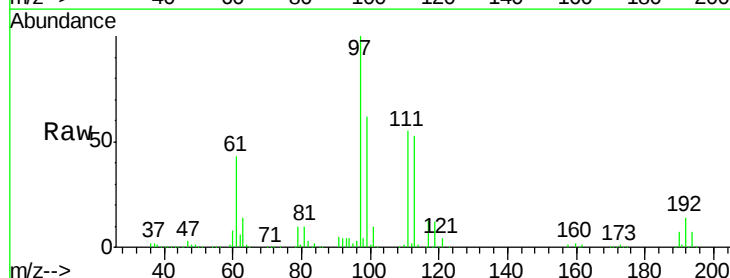
RT: 5.50 min Scan# 806

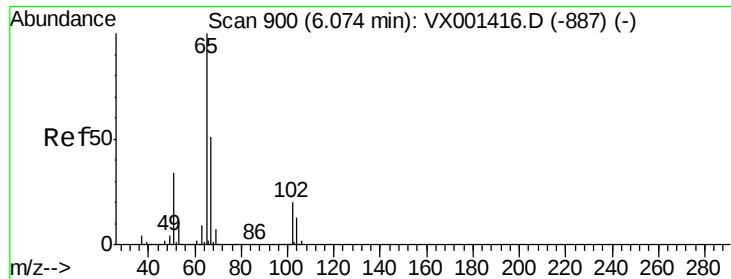
Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tgt Ion:	97	Resp:	277584
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	43.2	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 49.64 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tot Ion: 65 Resp: 187350

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.8

Instrument :

MSVOA_X

ClientSampleId :

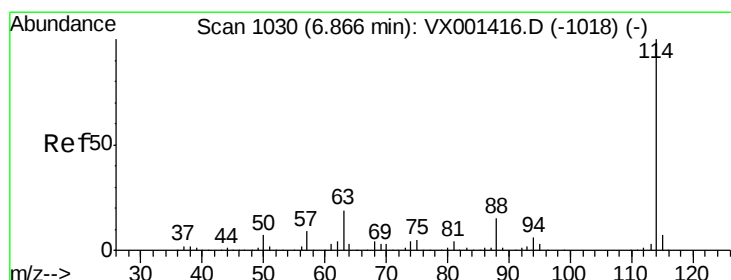
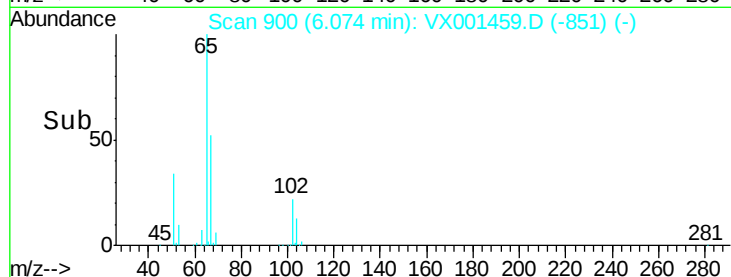
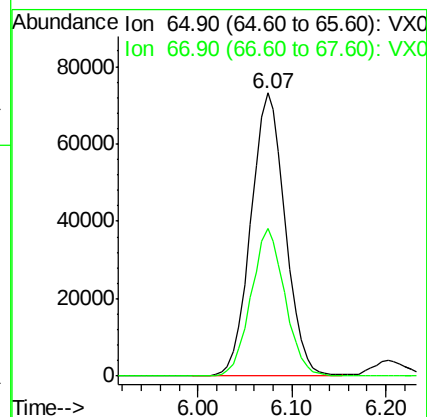
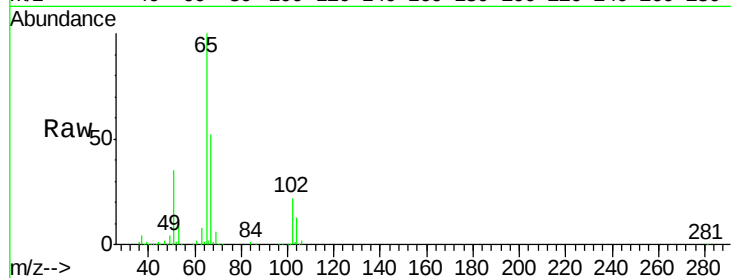
VSTDCCC050EC

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

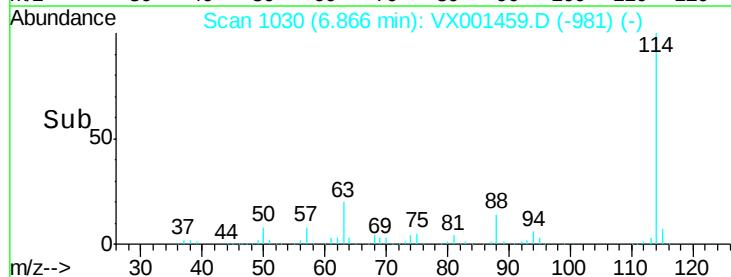
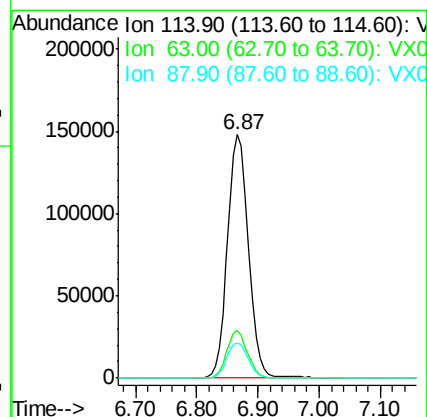
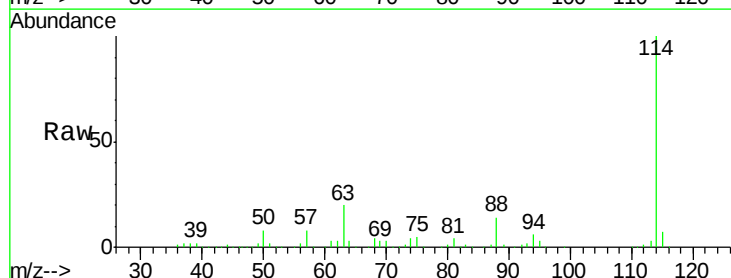
Tgt Ion: 114 Resp: 350247

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 14.5 0.0 30.8





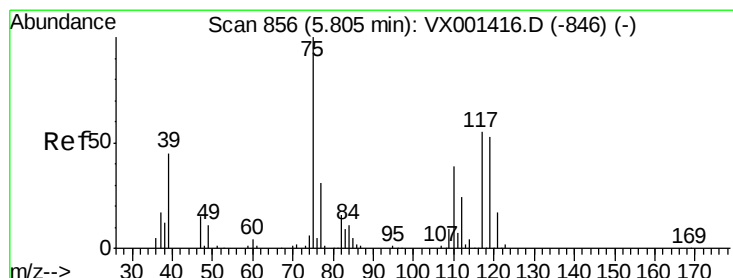
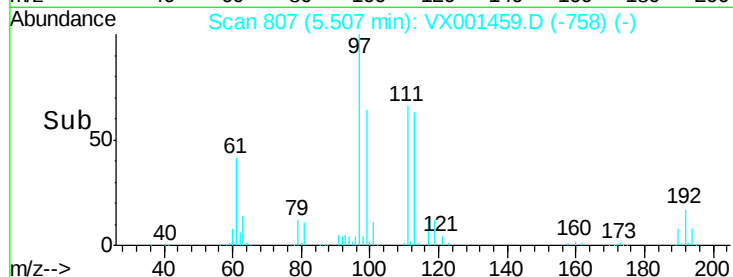
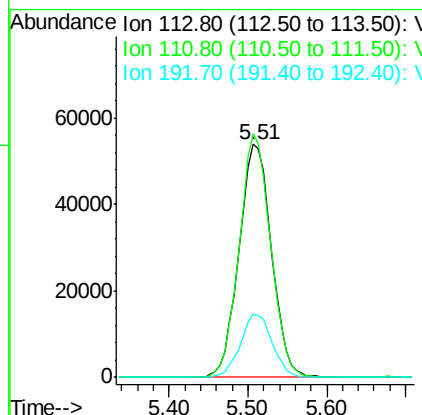
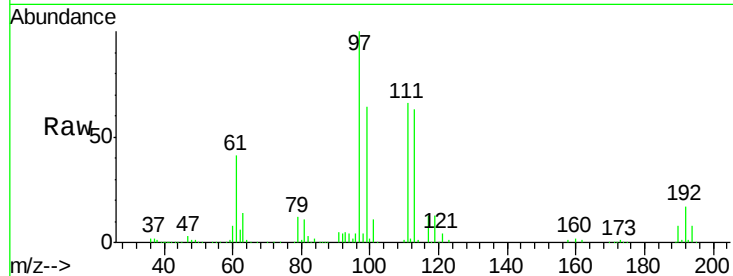
#35
 Dibromofluoromethane
 Concen: 49.55 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	154375		
111	101.0	82.2	123.2	
192	26.8	21.4	32.0	

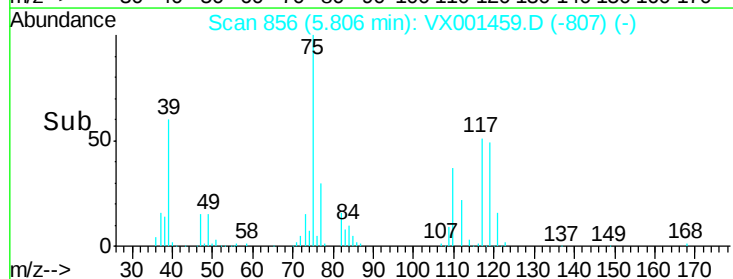
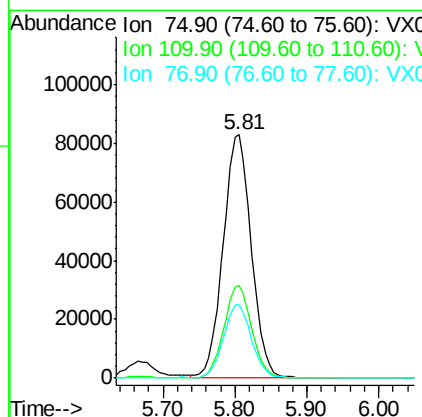
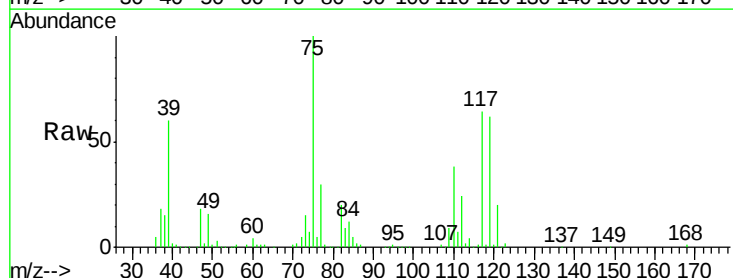
Manual Integrations
 APPROVED

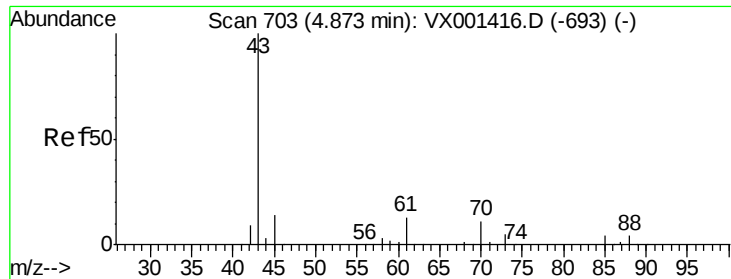
MMDadoda
 5/18/2018 2:17:35 PM



#36
 1,1-Dichloropropene
 Concen: 50.31 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	224159		
110	37.8	18.9	56.7	
77	30.3	24.9	37.3	





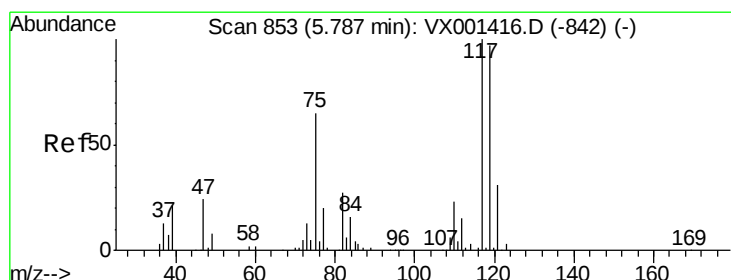
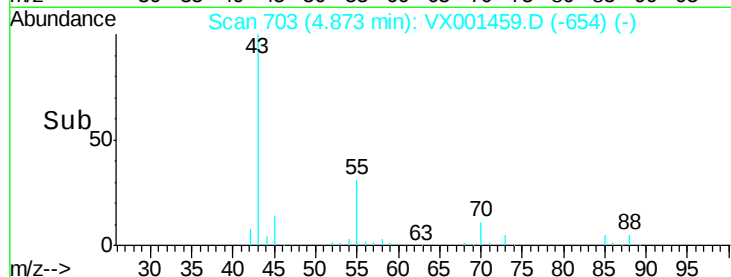
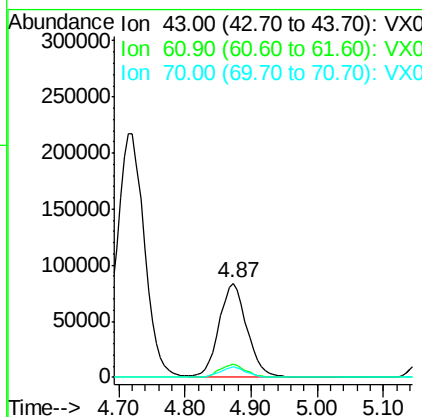
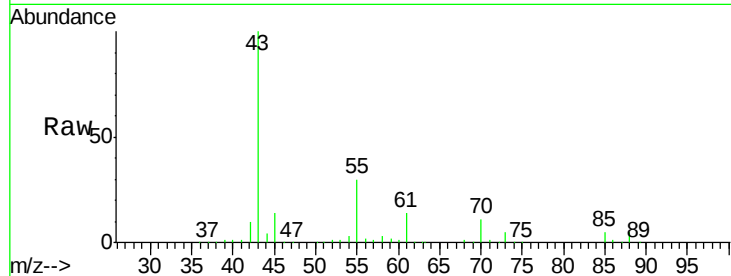
#37
Ethyl Acetate
Concen: 49.84 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	243431
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.4	8.4	12.6

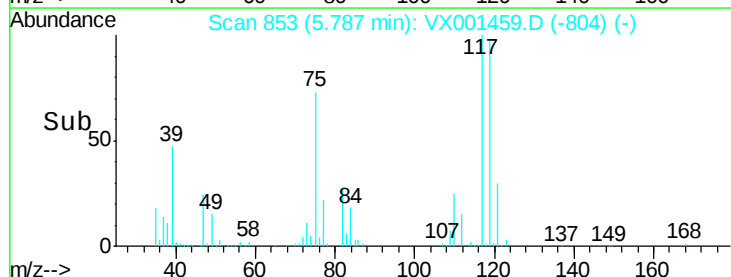
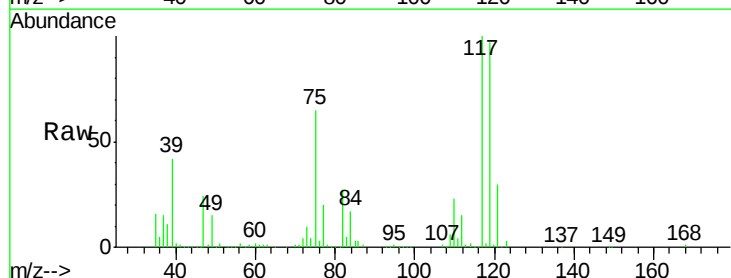
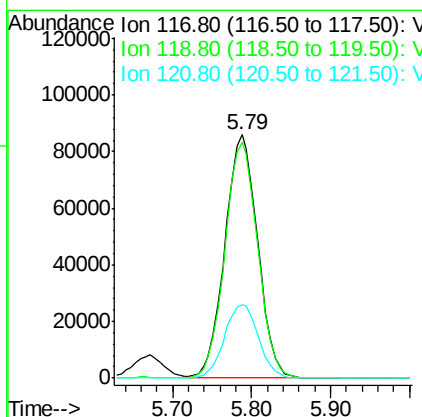
Manual Integrations
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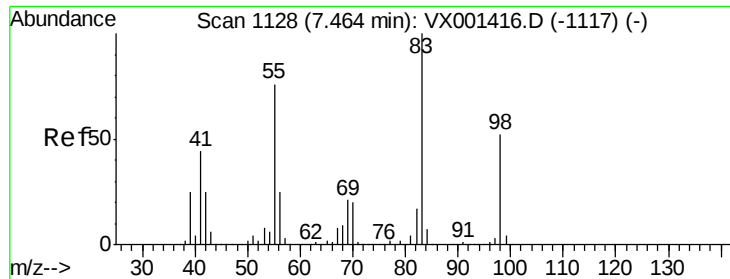
MMDadoda
5/18/2018 2:17:35 PM



#38
Carbon Tetrachloride
Concen: 52.22 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion:	117	Resp:	248150
Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.0	115.6
121	30.3	25.1	37.7





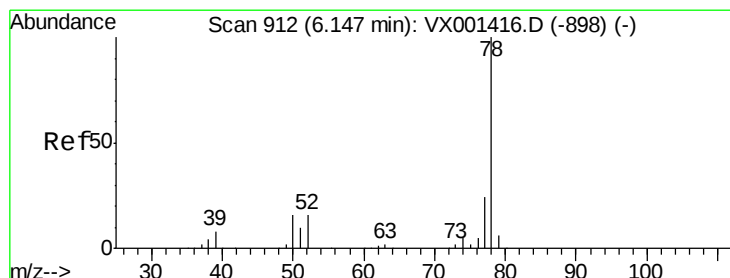
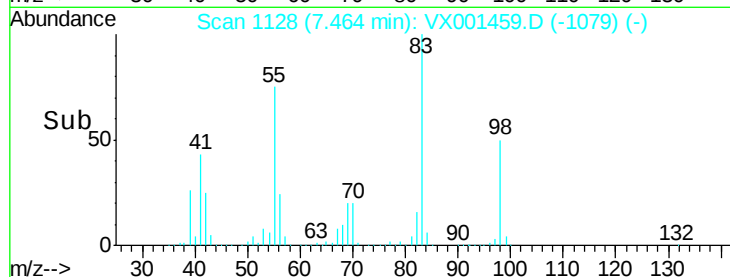
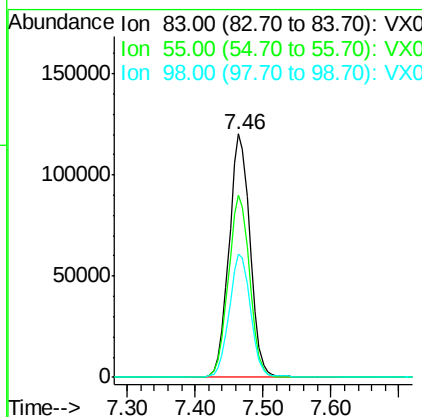
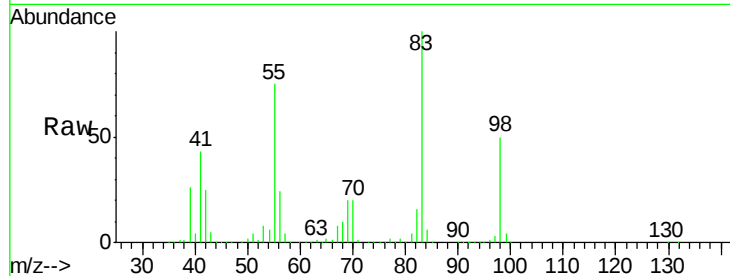
#39
Methylvlcyclohexane
Concen: 49.06 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.7	60.9	91.3	
98	50.4	41.9	62.9	

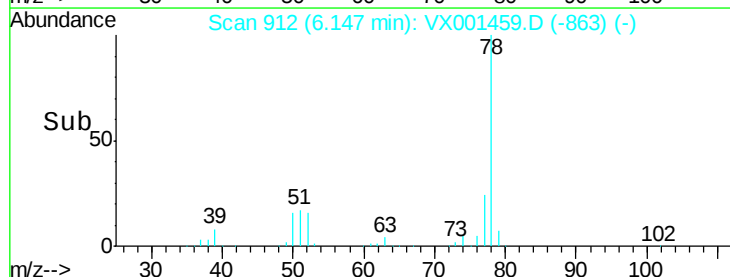
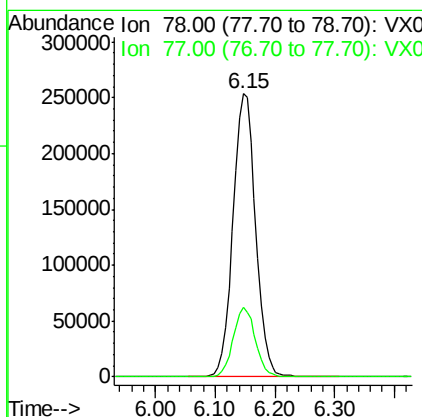
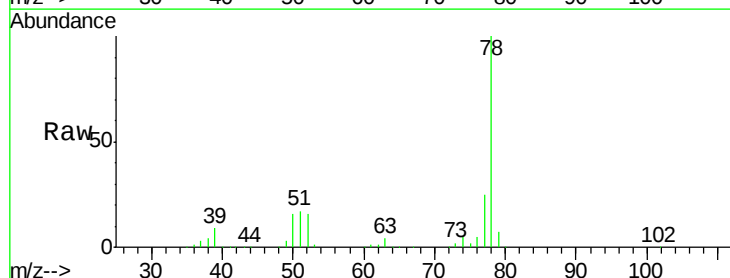
Manual Integrations
APPROVED

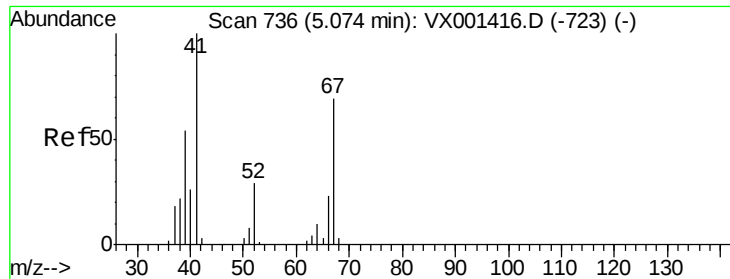
MMDadoda
5/18/2018 2:17:35 PM



#40
Benzene
Concen: 51.38 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.7	19.4	29.2	





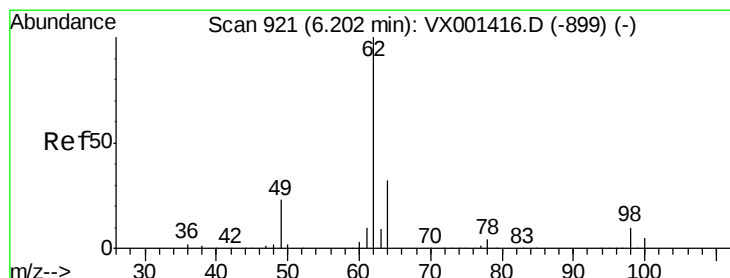
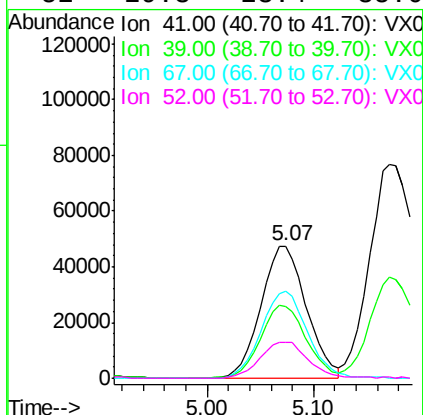
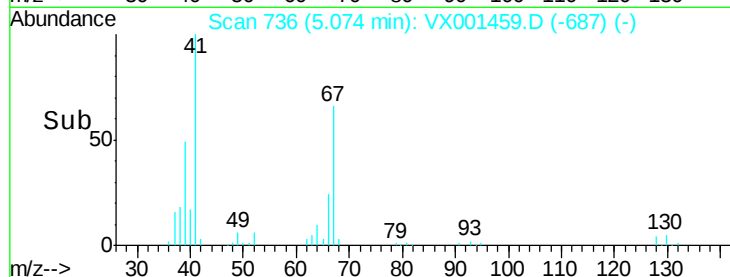
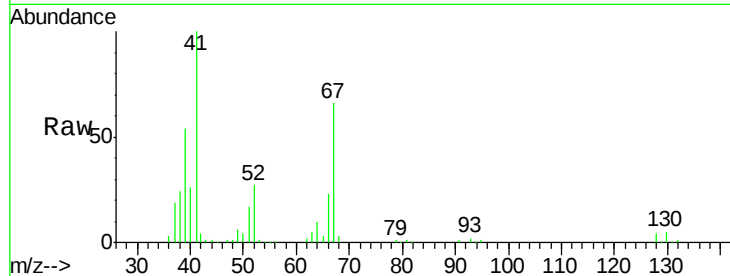
#41
Methacrylonitrile
Concen: 50.27 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.6	45.0	67.6		
67	67.6	55.0	82.6		
52	29.3	23.4	35.0		

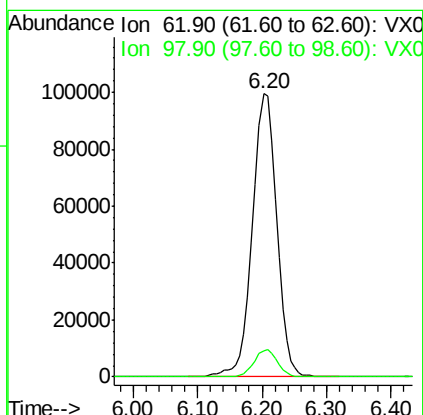
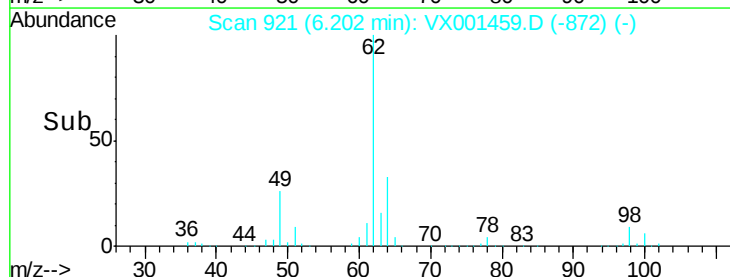
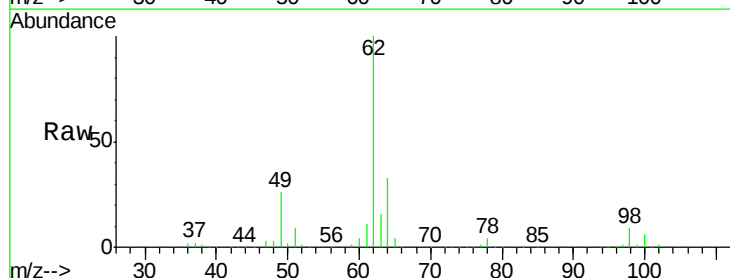
Manual Integrations
APPROVED

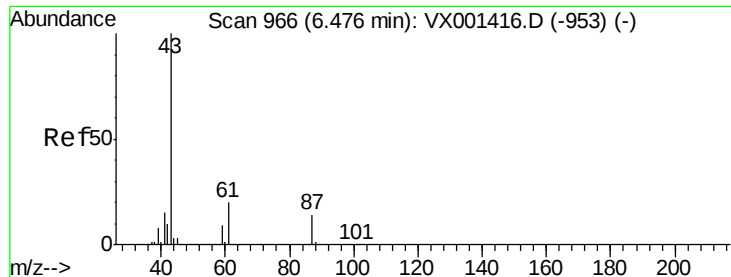
MMDadoda
5/18/2018 2:17:35 PM



#42
1,2-Dichloroethane
Concen: 51.43 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.3	0.0	19.0		





#43

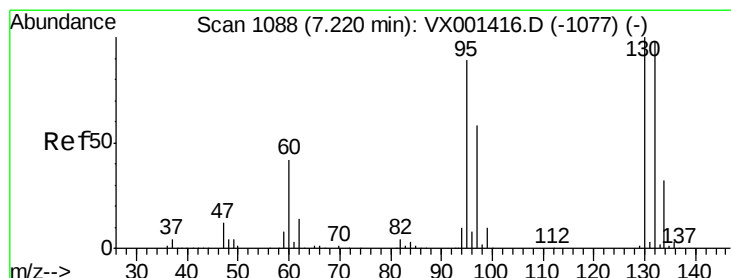
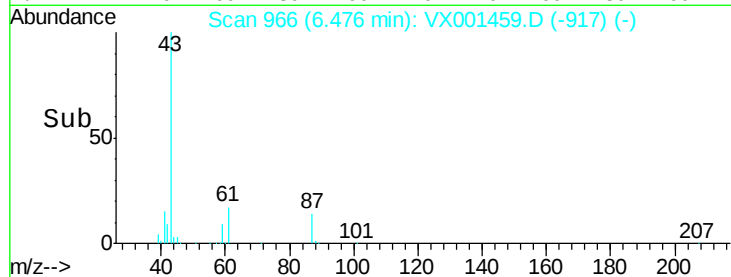
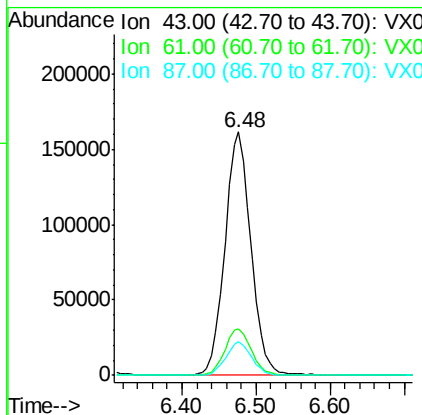
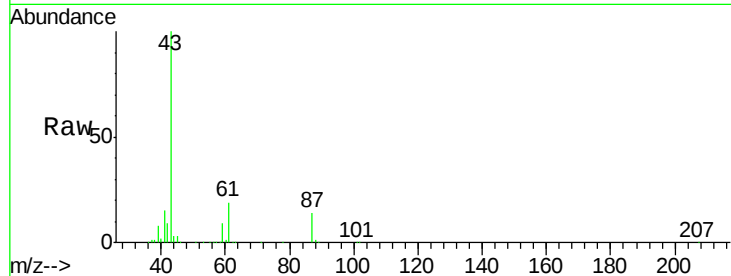
Isopropyl Acetate
 Concen: 52.32 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.0
87	13.7	10.8	16.2

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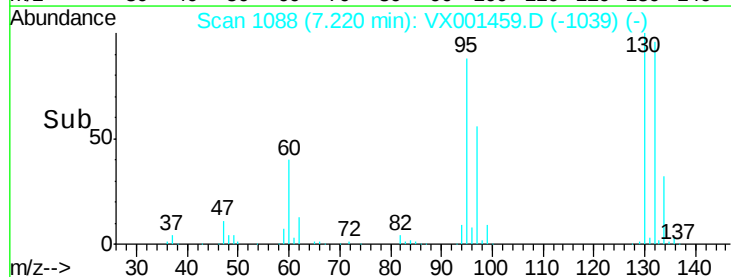
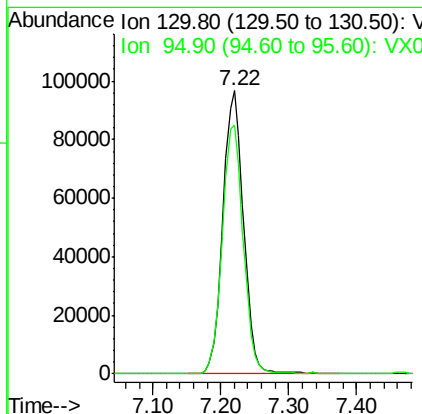
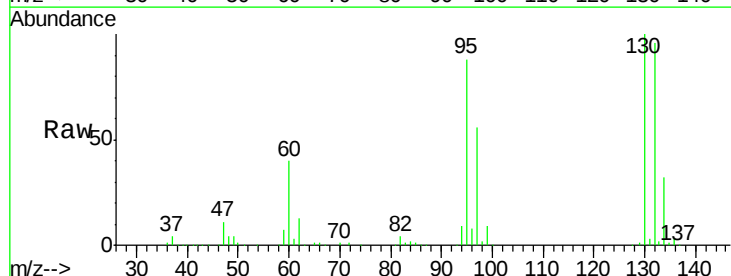
MMDadoda
 5/18/2018 2:17:35 PM

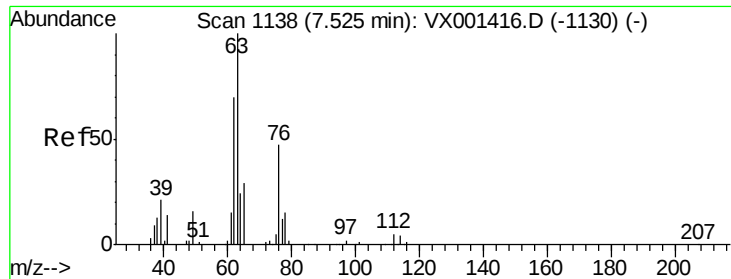


#44

Trichloroethene
 Concen: 51.32 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	178.4





#45

1,2-Dichloropropane

Concen: 50.97 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 165373

Ion Ratio Lower Upper

63 100

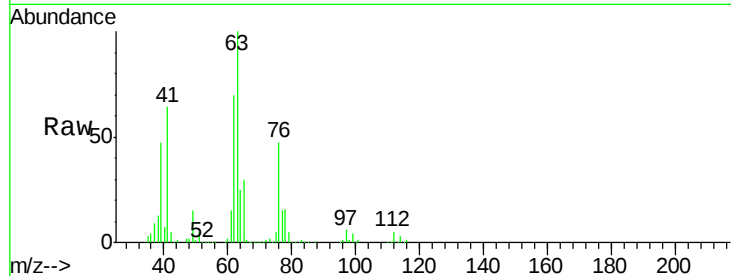
65 30.2 24.5 36.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

80000

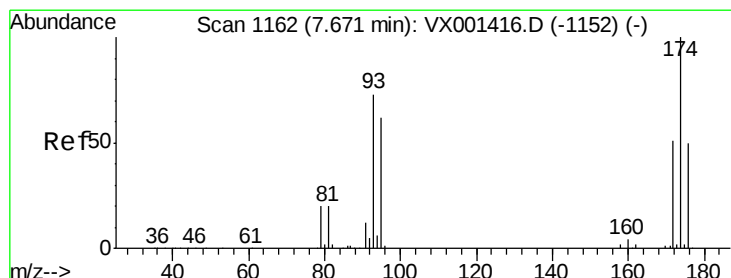
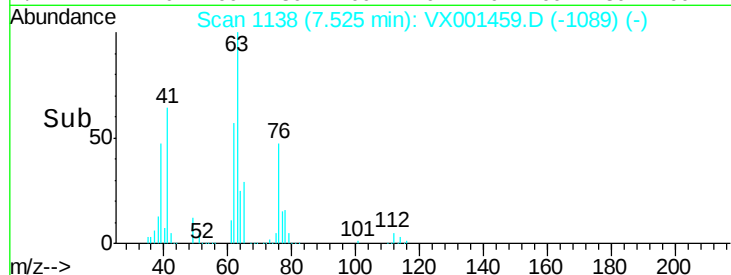
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 50.97 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

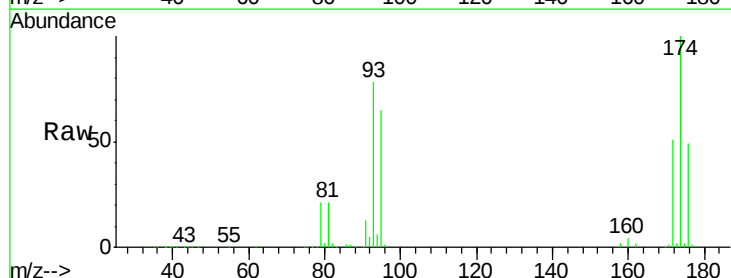
Tgt Ion: 93 Resp: 117064

Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.4

174 132.2 104.5 156.7



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

100000

80000

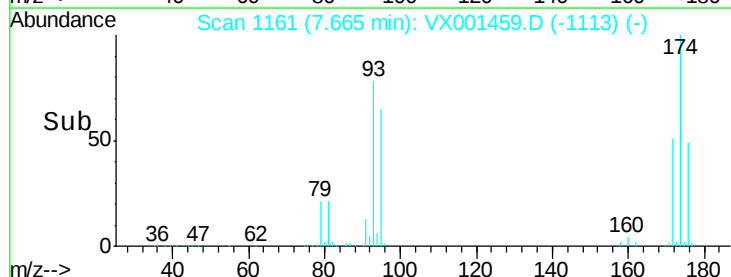
60000

40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 53.72 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

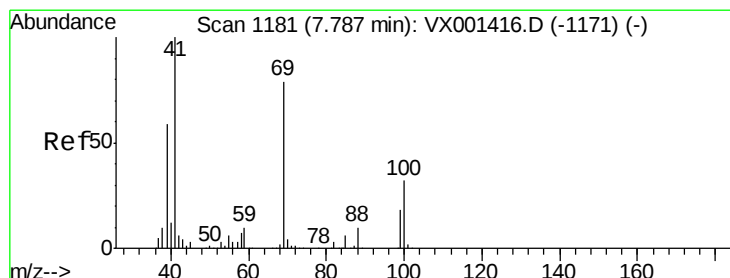
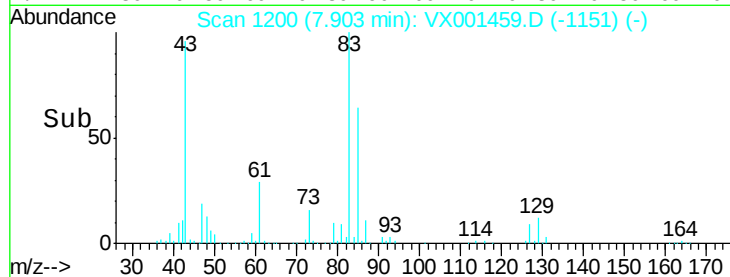
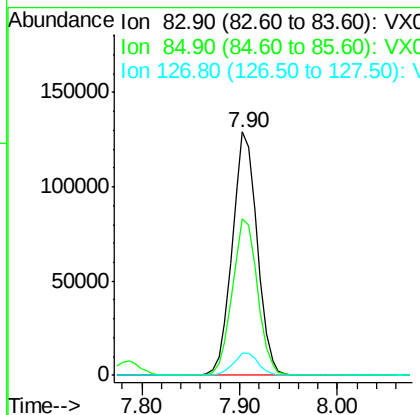
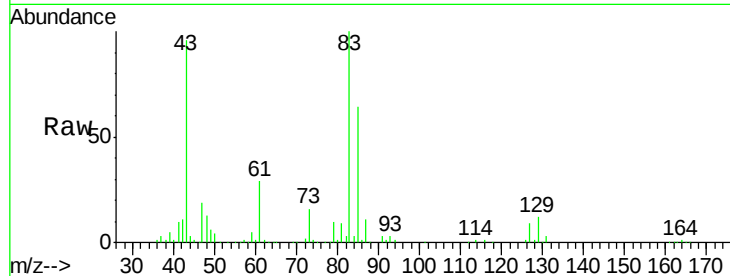
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	228322
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.0	76.6
127	9.4	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.39 ug/l

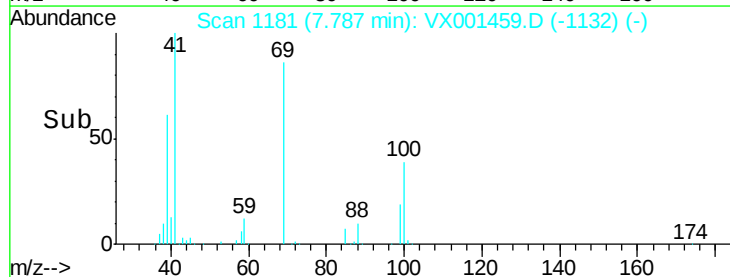
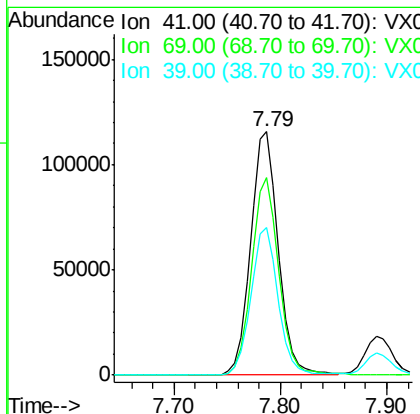
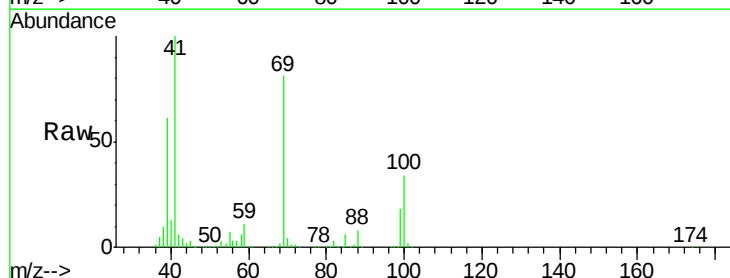
RT: 7.79 min Scan# 1181

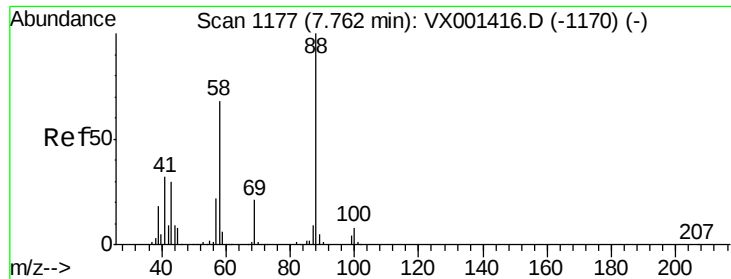
Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tgt Ion:	41	Resp:	209797
Ion Ratio	Lower	Upper	
41	100		
69	80.4	63.4	95.2
39	60.0	47.0	70.4





#49

1,4-Dioxane

Concen: 1039.05 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

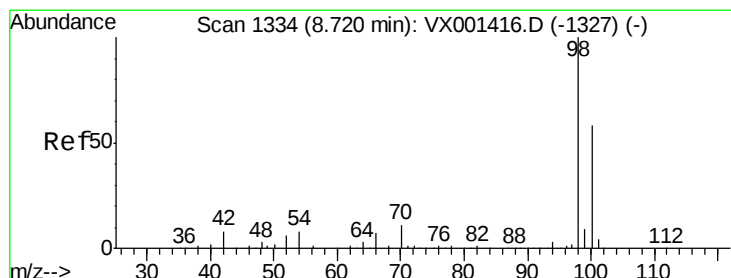
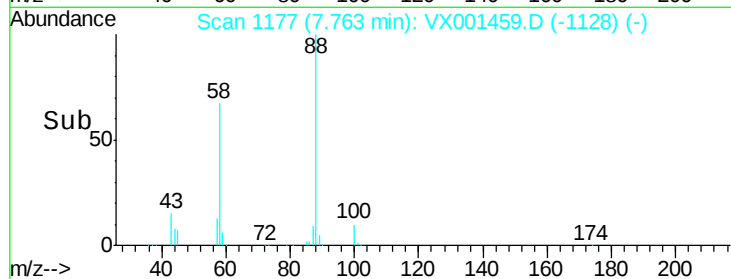
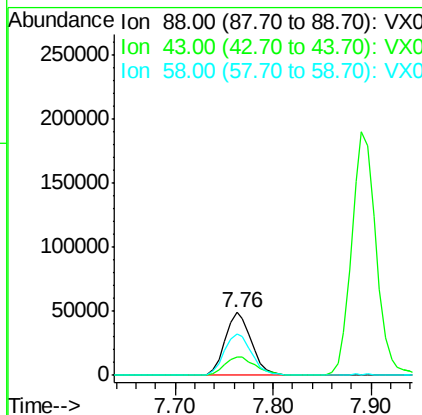
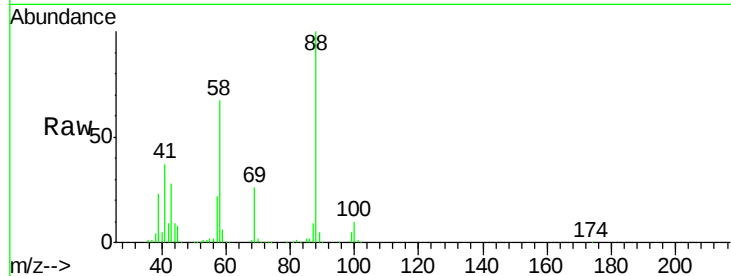
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	91643
Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.4	39.6
58	68.5	54.1	81.1

Manual Integrations
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#50

Toluene-d8

Concen: 49.97 ug/l

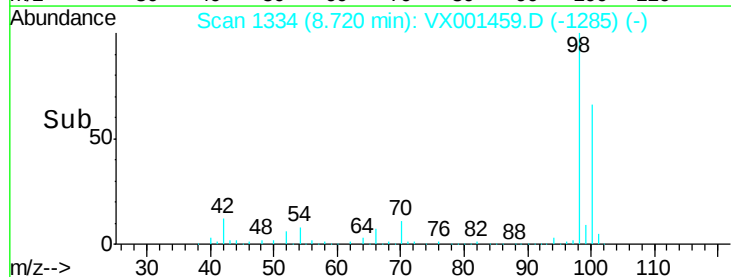
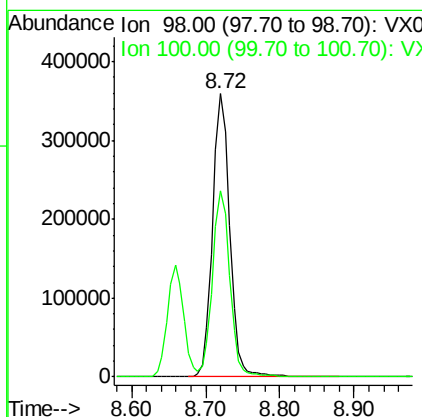
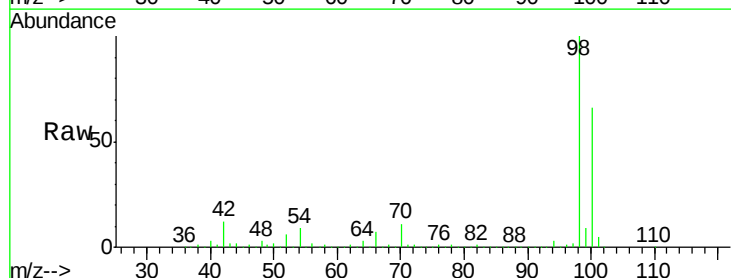
RT: 8.72 min Scan# 1334

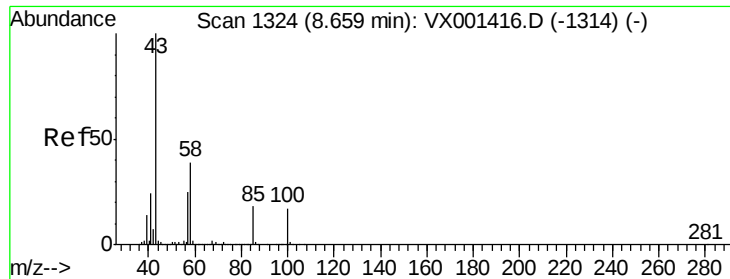
Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tgt Ion:	98	Resp:	568268
Ion	Ratio	Lower	Upper
98	100		
100	66.9	54.0	81.0





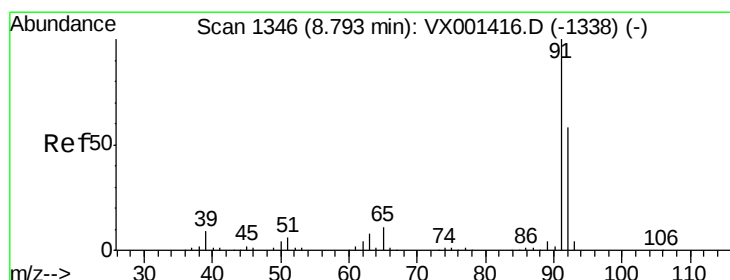
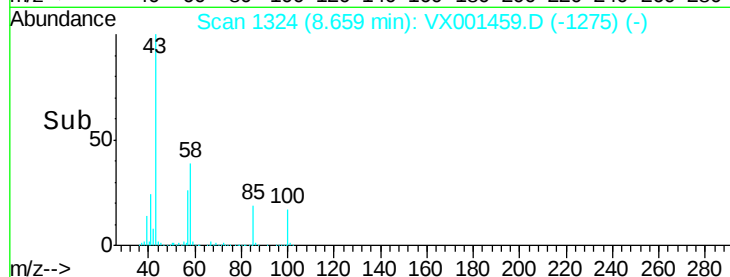
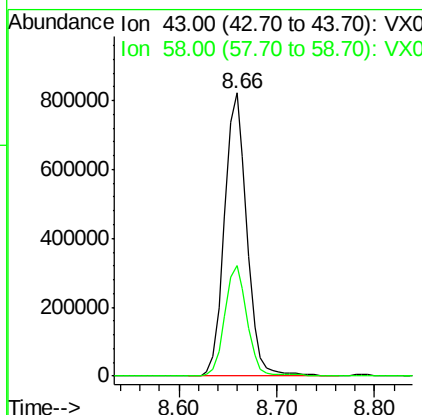
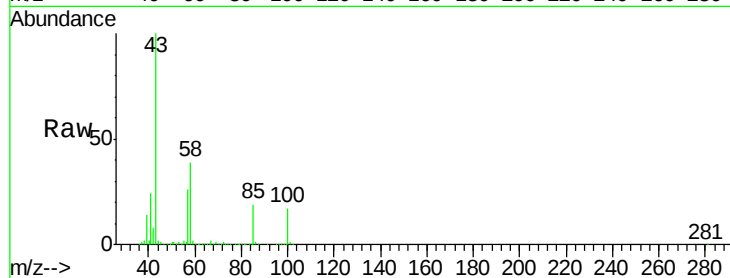
#51
 4-Methyl-2-Pentanone
 Concen: 261.59 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1303235
 Ion Ratio Lower Upper
 43 100
 58 39.3 30.8 46.2

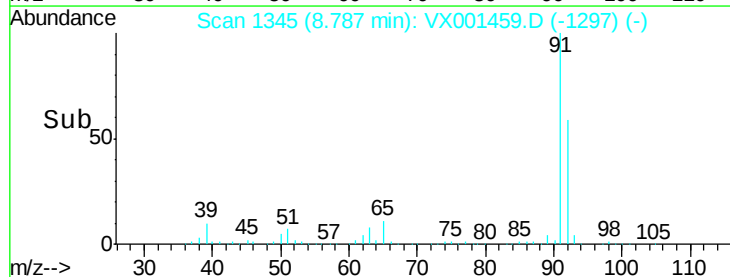
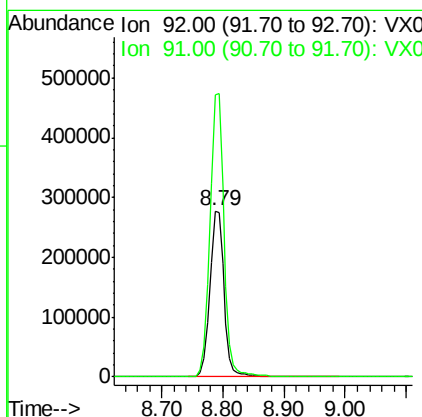
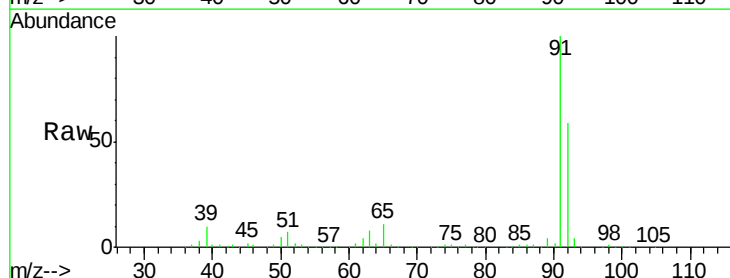
Manual Integrations
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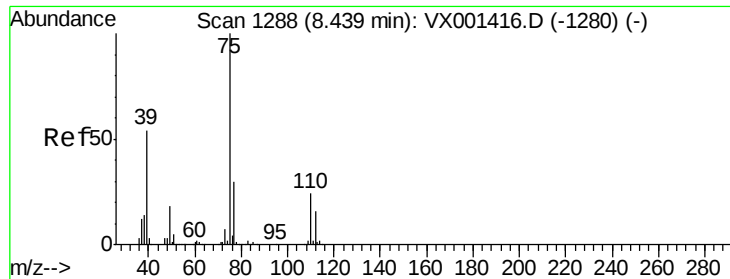
MMDadoda
 5/18/2018 2:17:35 PM



#52
 Toluene
 Concen: 52.69 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion: 92 Resp: 448301
 Ion Ratio Lower Upper
 92 100
 91 170.2 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 54.24 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 260554

Ion Ratio Lower Upper

75 100

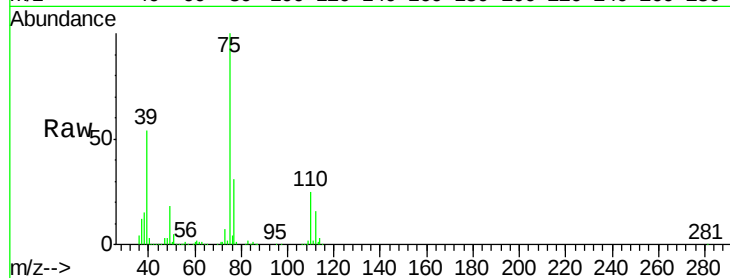
77 31.3 24.2 36.4

Manual Integrations

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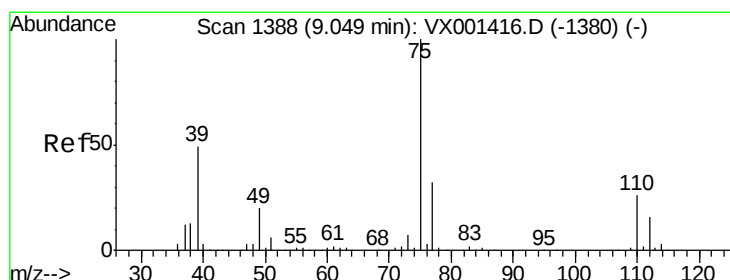
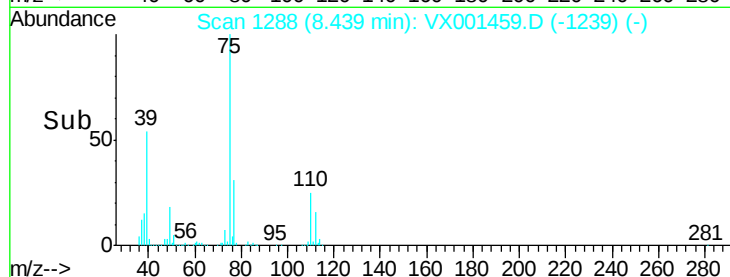
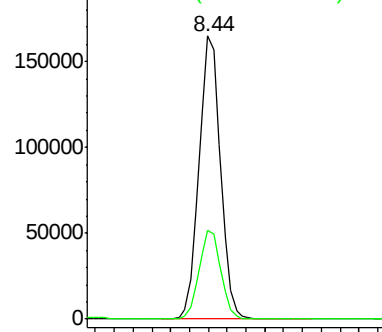
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 48.12 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

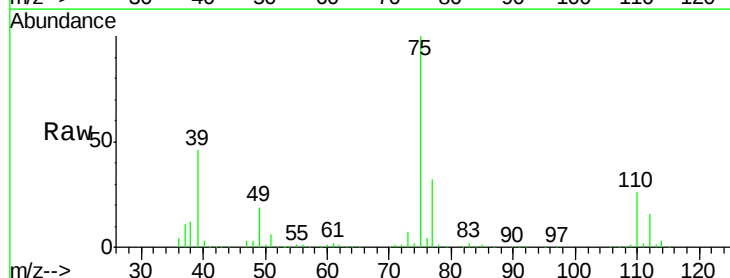
Tgt Ion: 75 Resp: 238534

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

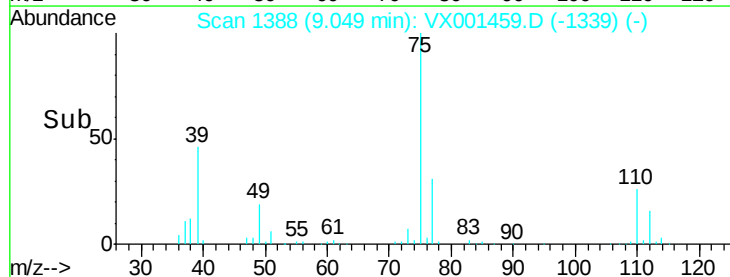
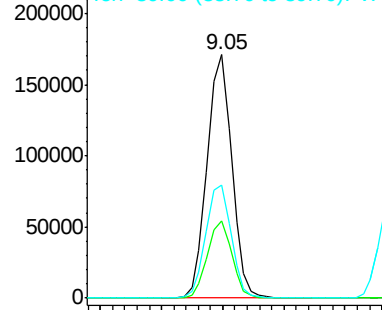
39 46.5 38.9 58.3

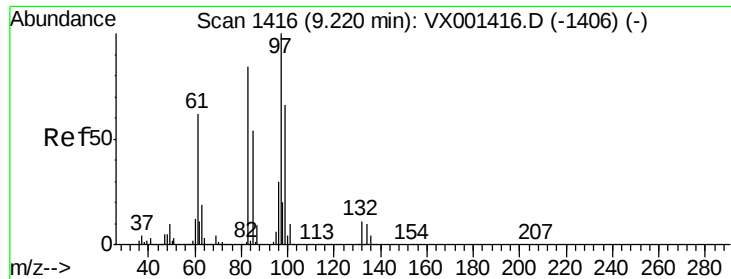


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





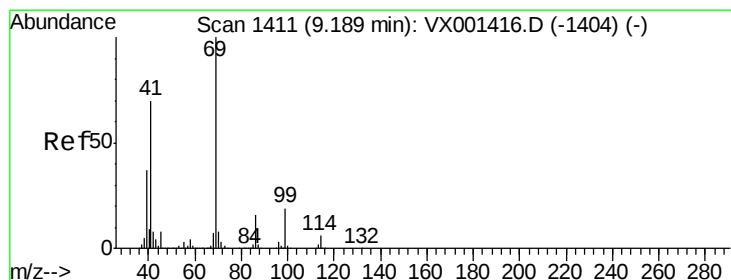
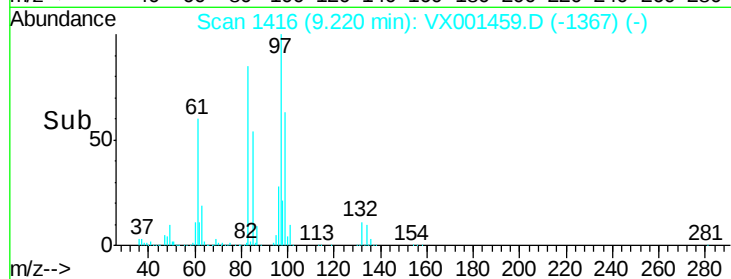
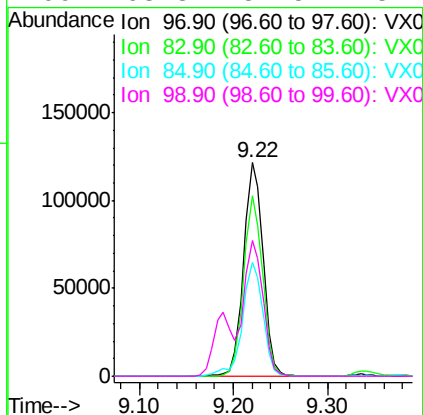
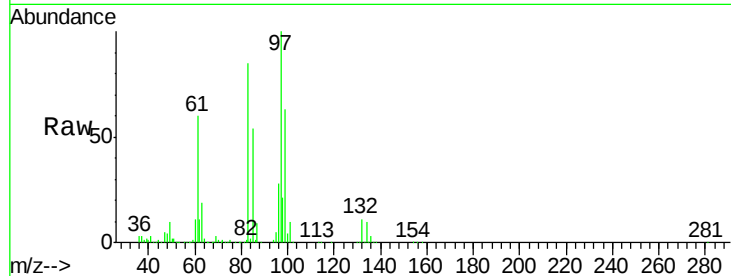
#55
 1,1,2-Trichloroethane
 Concen: 51.13 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		175285		
83	84.5	67.4	101.0		
85	53.6	43.3	64.9		
99	63.3	52.5	78.7		

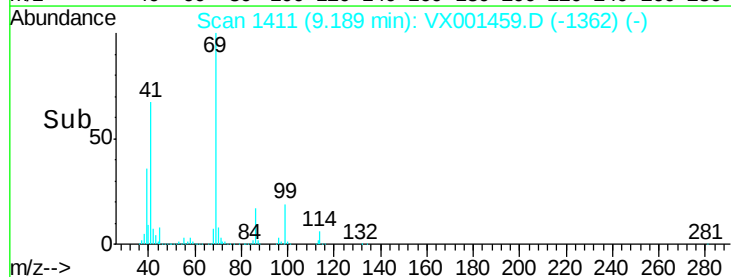
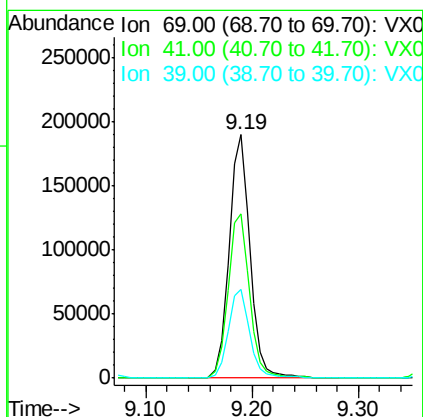
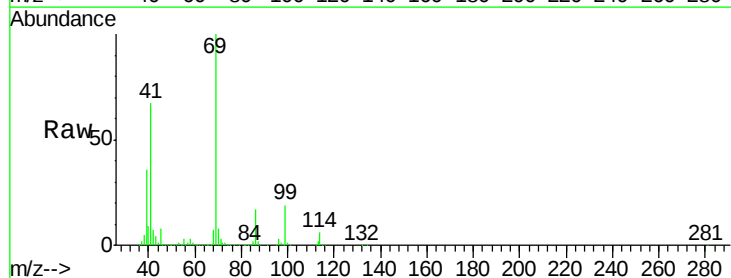
Manual Integrations
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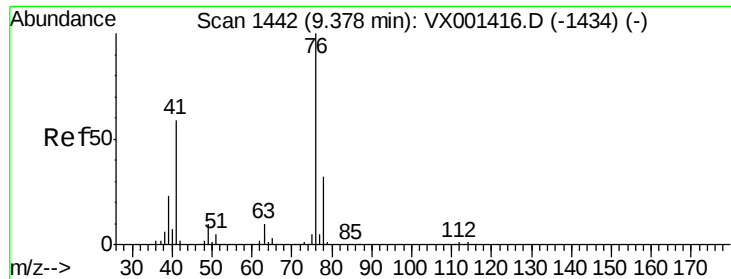
MMDadoda
 5/18/2018 2:17:35 PM



#56
 Ethyl methacrylate
 Concen: 52.97 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		261740		
41	69.3	55.1	82.7		
39	37.3	29.9	44.9		





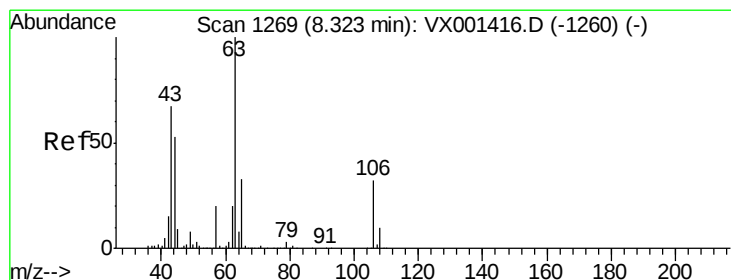
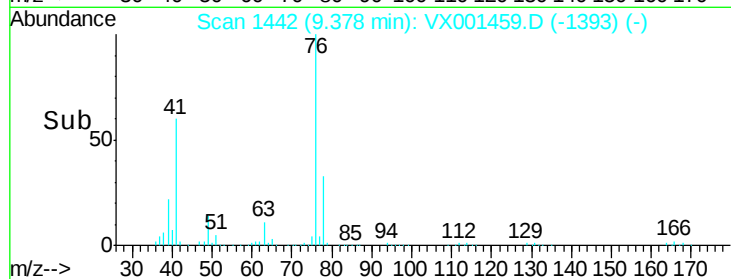
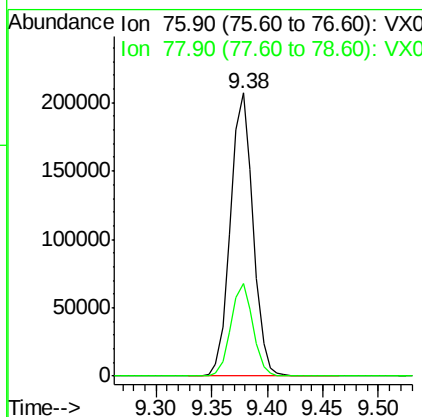
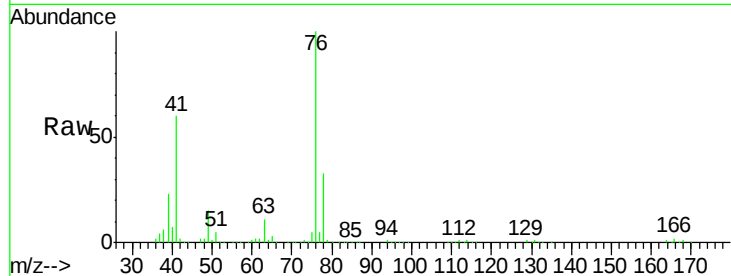
#57
 1,3-Dichloropropane
 Concen: 51.20 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

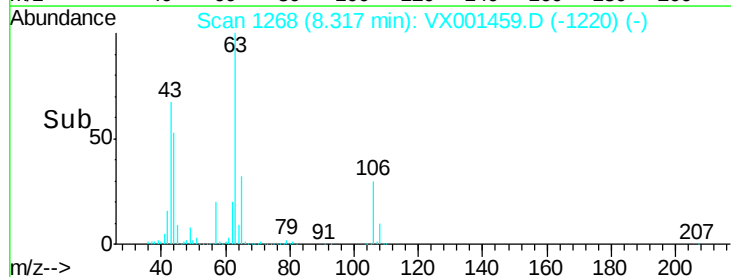
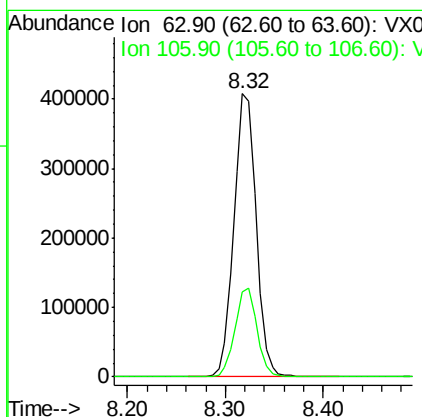
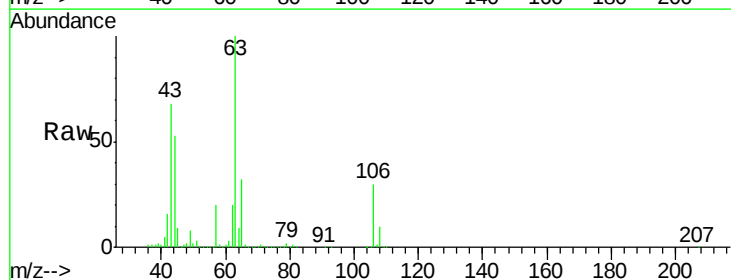
Manual Integrations
 APPROVED

MMDadoda
 5/18/2018 2:17:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.10 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.1	25.4	38.0





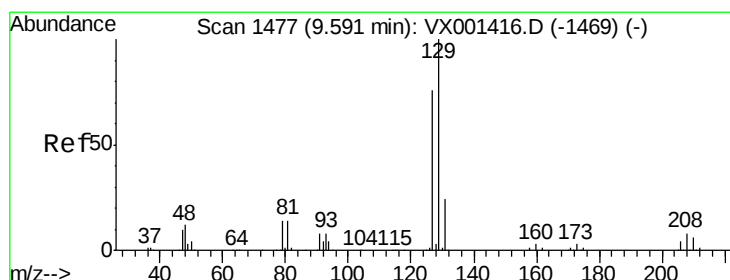
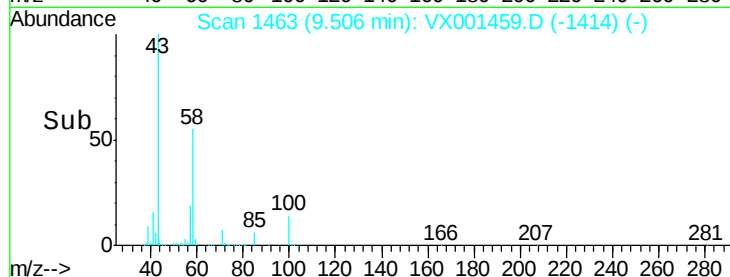
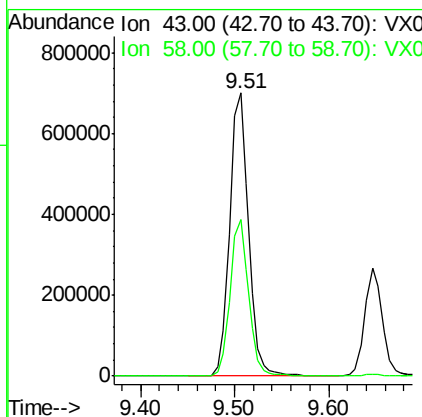
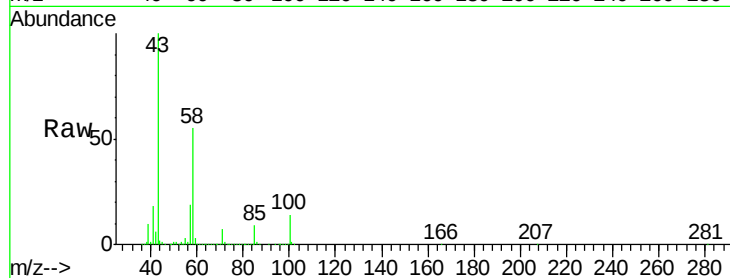
#59
2-Hexanone
Concen: 255.31 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 974002
Ion Ratio Lower Upper
43 100
58 54.5 27.1 81.2

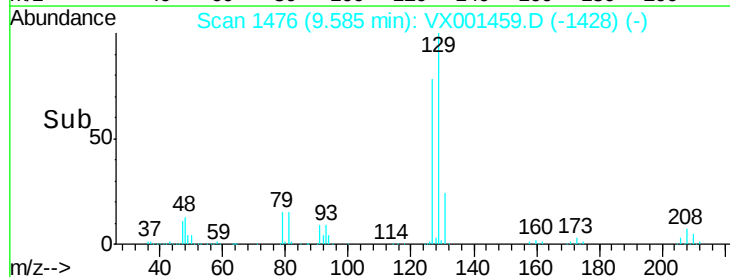
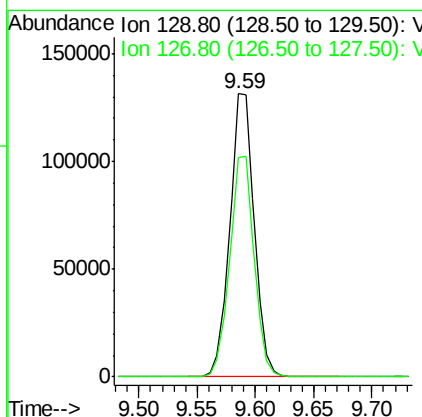
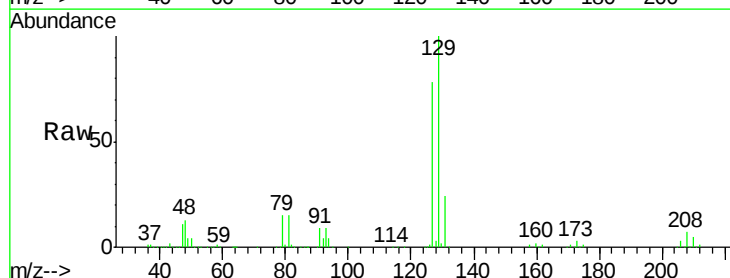
Manual Integrations
APPROVED

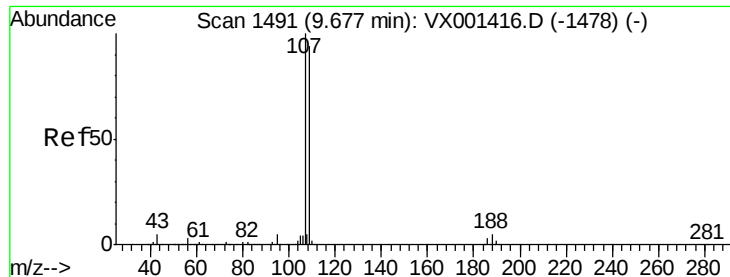
MMDadoda
5/18/2018 2:17:35 PM



#60
Dibromochloromethane
Concen: 54.67 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 129 Resp: 191912
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 52.57 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 189202

Ion Ratio Lower Upper

107 100

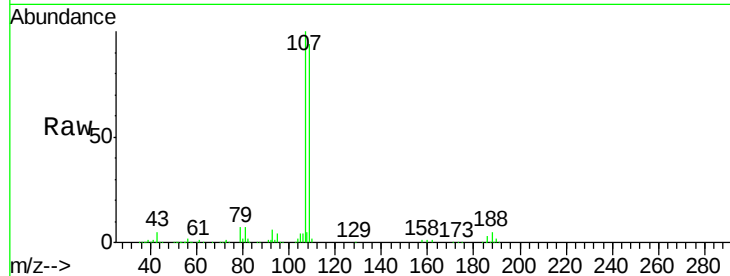
109 93.9 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

5/18/2018 2:17:35 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

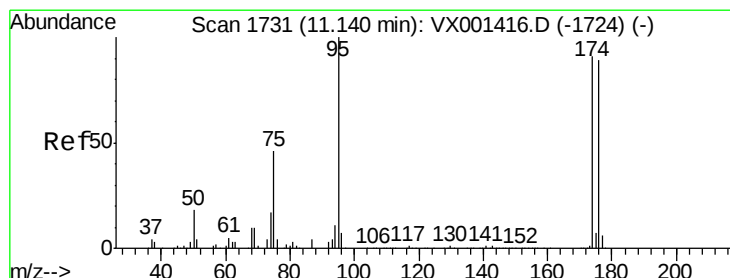
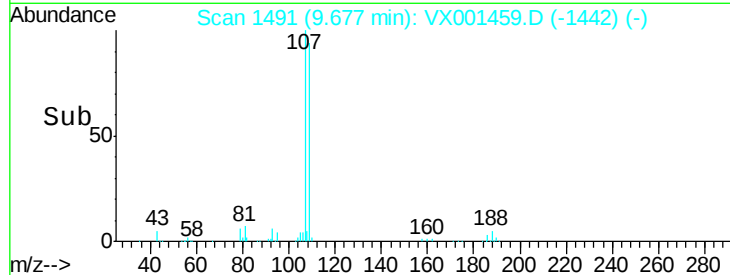
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

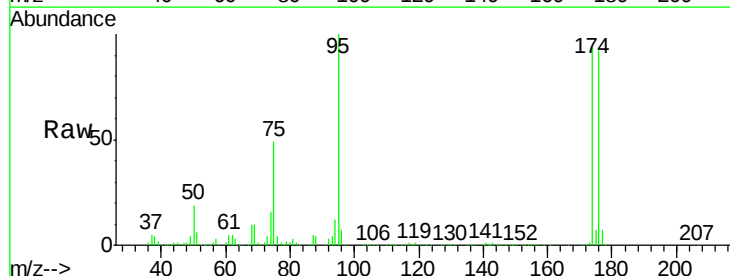
Tgt Ion: 95 Resp: 214786

Ion Ratio Lower Upper

95 100

174 101.9 0.0 202.0

176 99.1 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

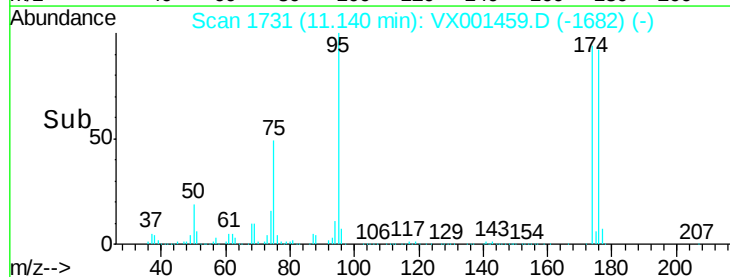
150000

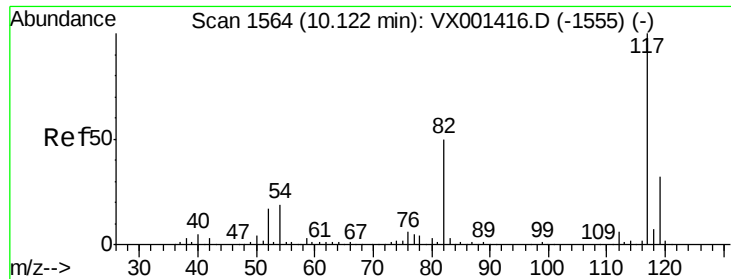
100000

50000

0

Time-->





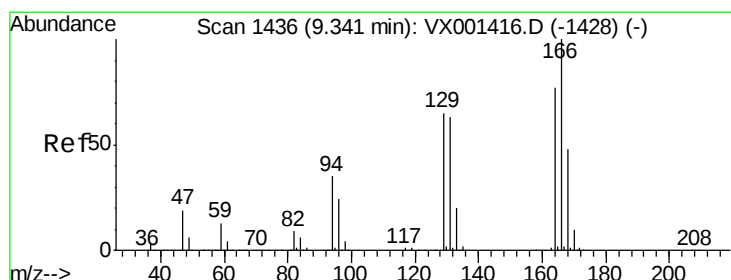
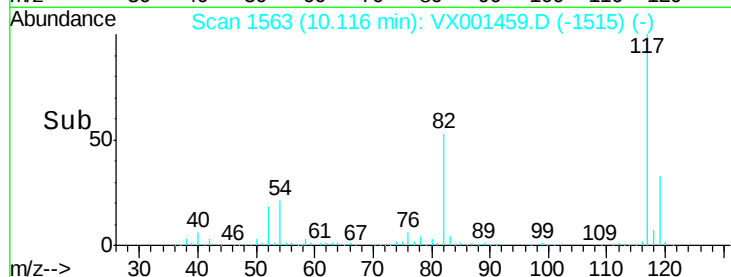
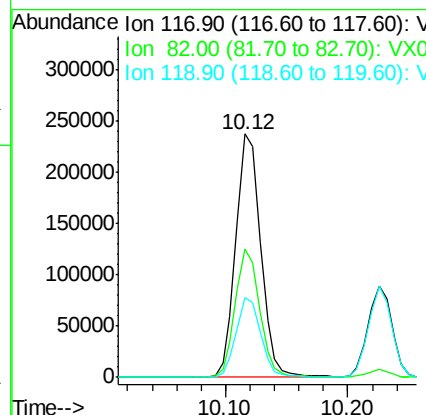
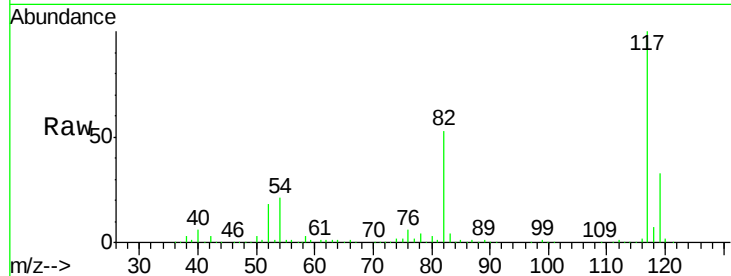
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	40.0	60.0
119	32.8	25.8	38.8

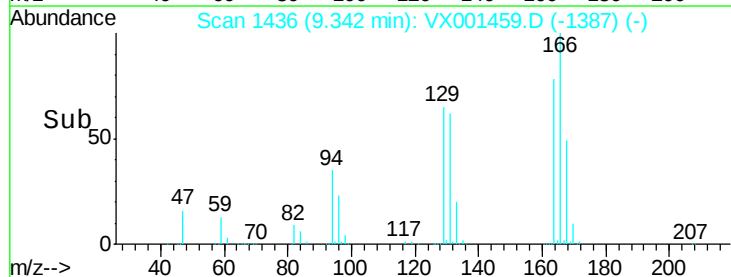
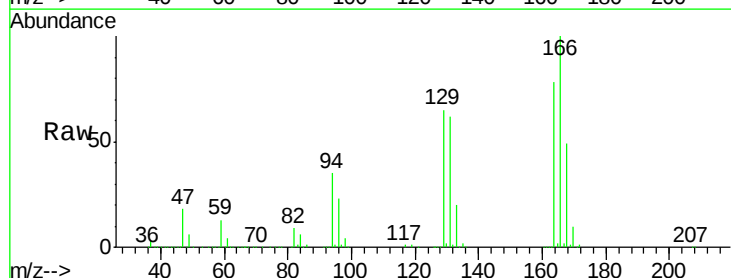
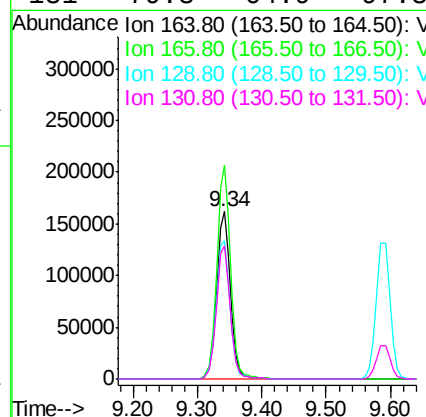
Manual Integrations
APPROVED

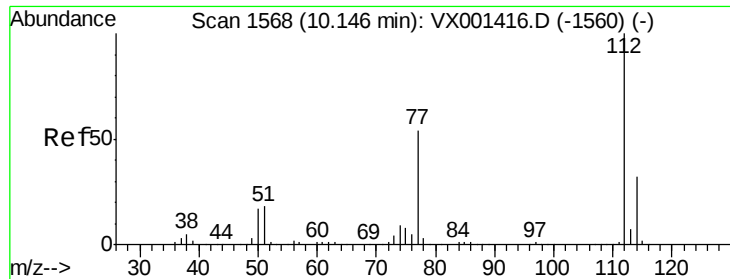
MMDadoda
5/18/2018 2:17:35 PM



#64
Tetrachloroethene
Concen: 52.00 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.5	155.3
129	82.4	66.7	100.1
131	79.3	64.9	97.3





#65

Chlorobenzene

Concen: 50.99 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 501994

Ion Ratio Lower Upper

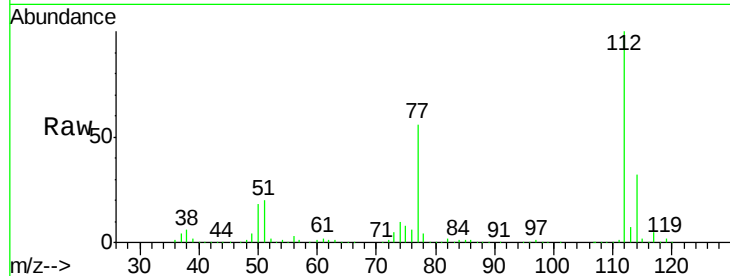
112 100

114 32.4 26.0 39.0

Manual Integrations
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5/18/2018 2:17:35 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

400000

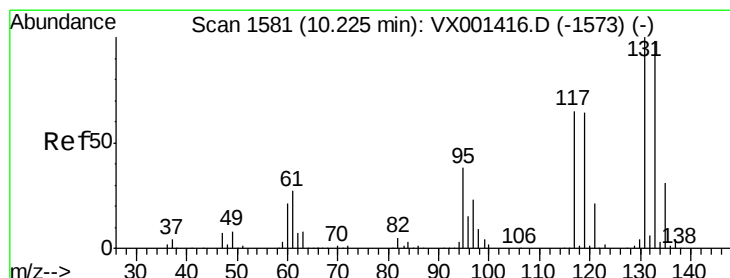
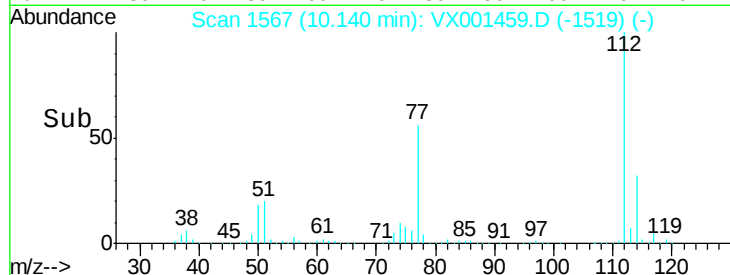
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.10 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

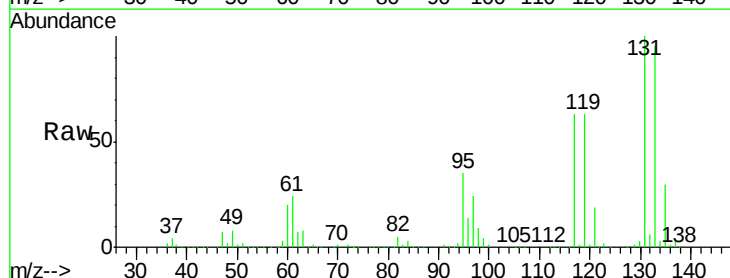
Tgt Ion:131 Resp: 186997

Ion Ratio Lower Upper

131 100

133 96.6 47.9 143.8

119 62.6 31.1 93.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

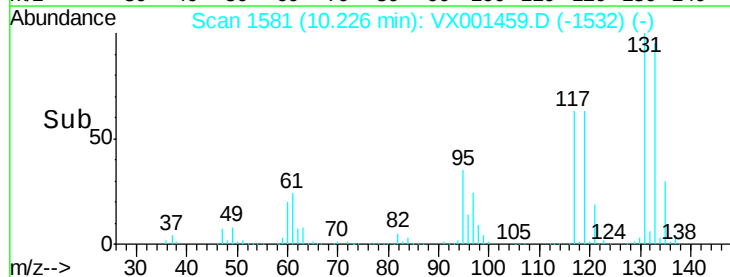
150000

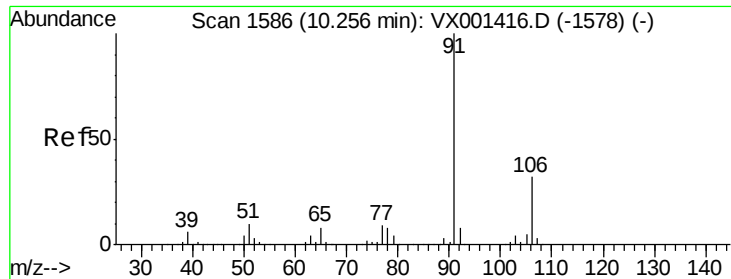
100000

50000

0

Time-->





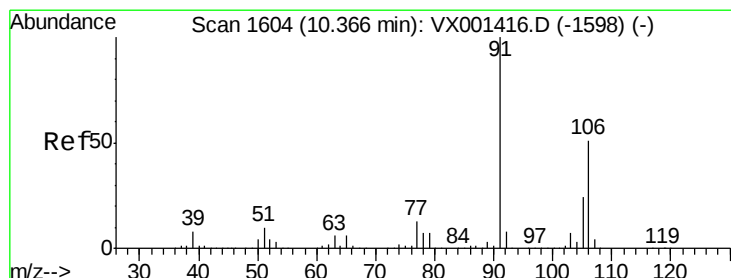
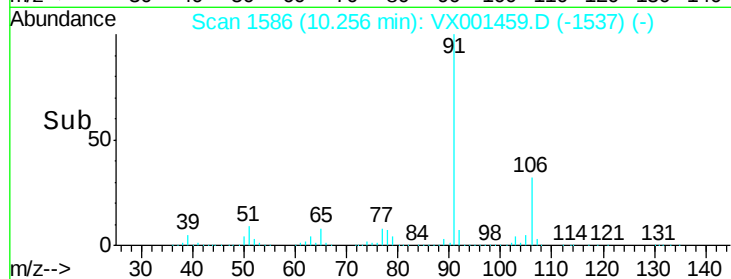
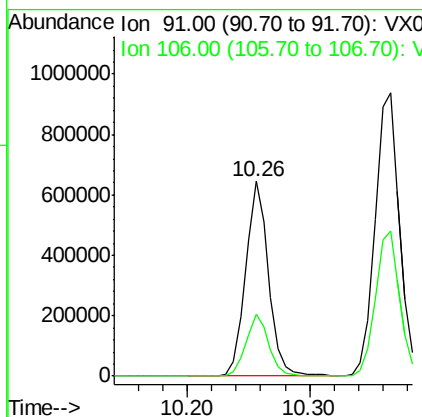
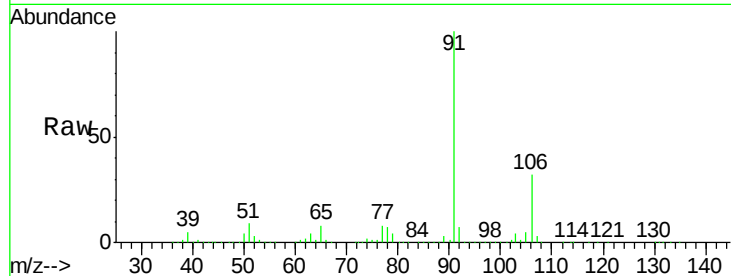
#67
Ethyl Benzene
Concen: 51.93 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 837942
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

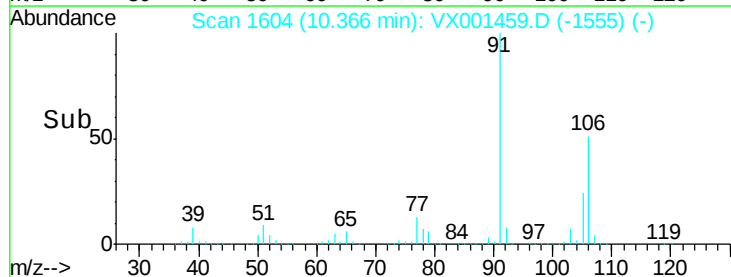
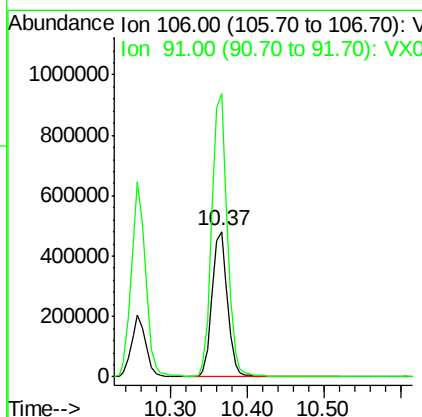
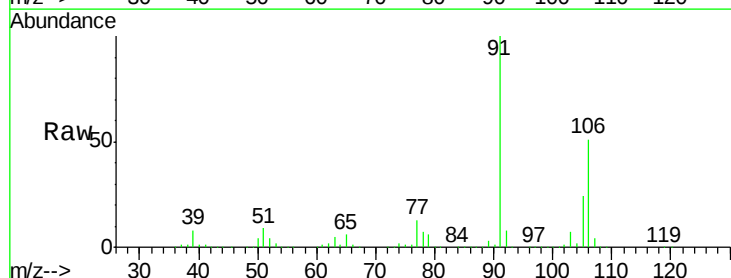
Manual Integrations
APPROVED

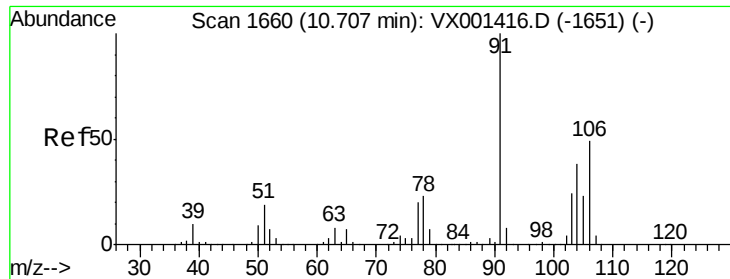
MMDadoda
5/18/2018 2:17:35 PM



#68
m/p-Xylenes
Concen: 105.57 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 106 Resp: 673073
Ion Ratio Lower Upper
106 100
91 195.9 157.5 236.3





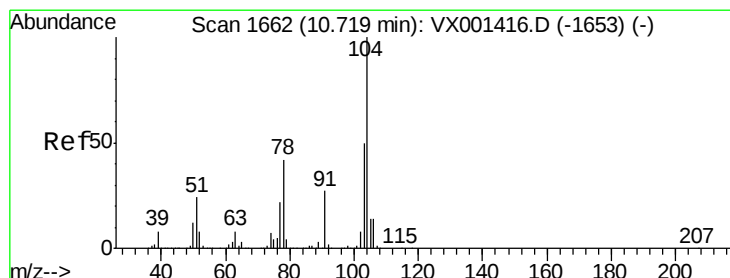
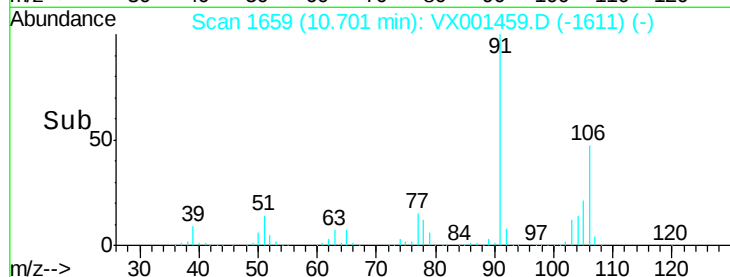
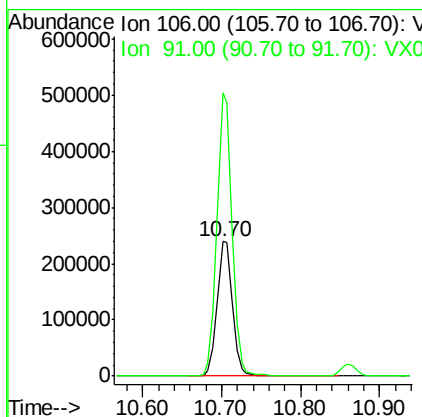
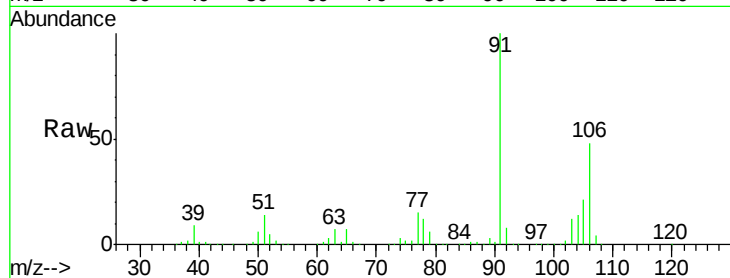
#69
o-Xylene
Concen: 52.80 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		327198		
91	207.3	103.1	309.1		

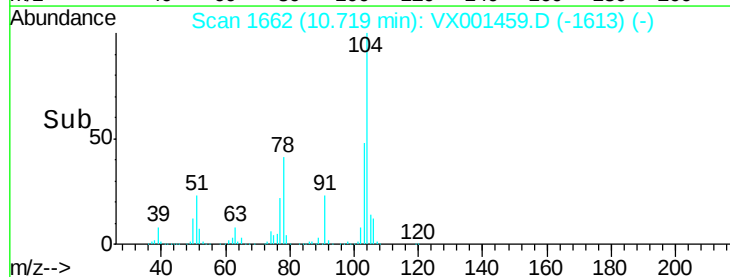
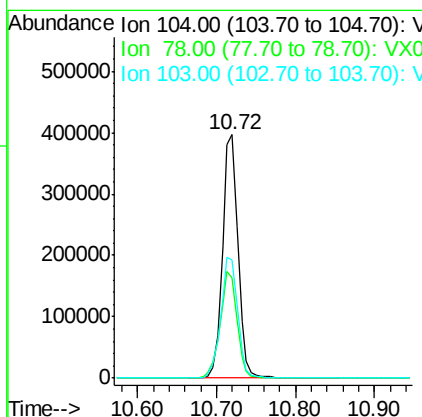
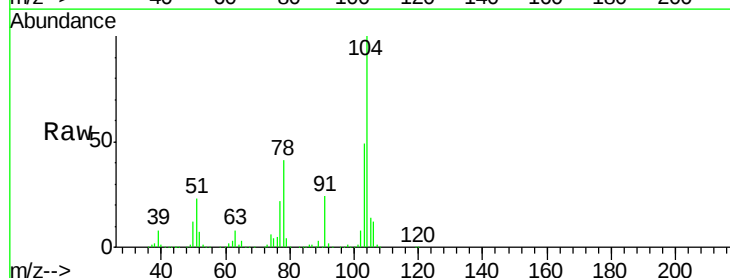
Manual Integrations
APPROVED

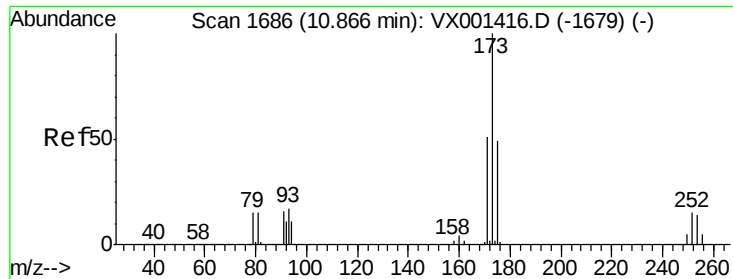
MMDadoda
5/18/2018 2:17:35 PM



#70
Styrene
Concen: 53.82 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		541758		
78	47.8	38.6	58.0		
103	54.4	44.0	66.0		





#71

Bromoform

Concen: 46.87 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

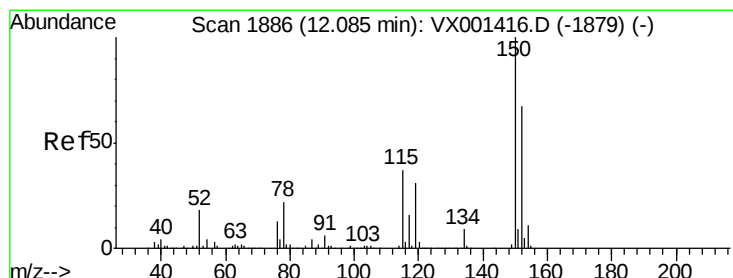
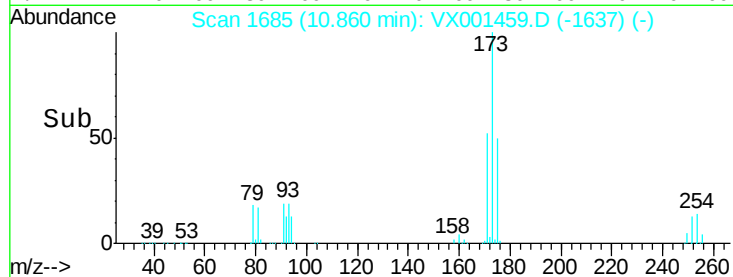
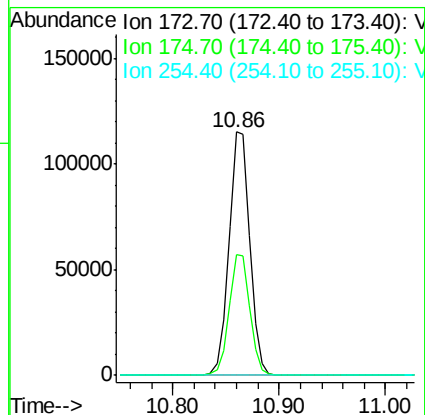
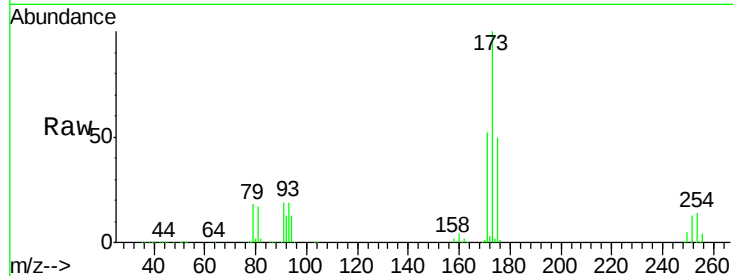
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.5	73.5
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
5/18/2018 2:17:35 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

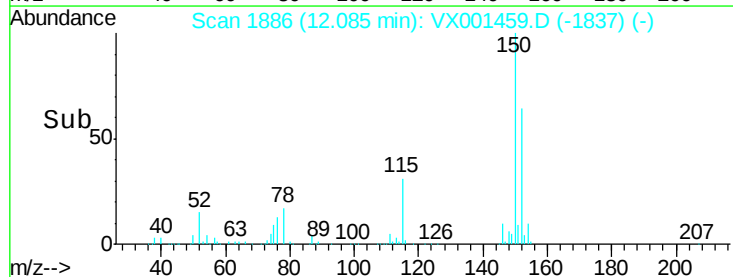
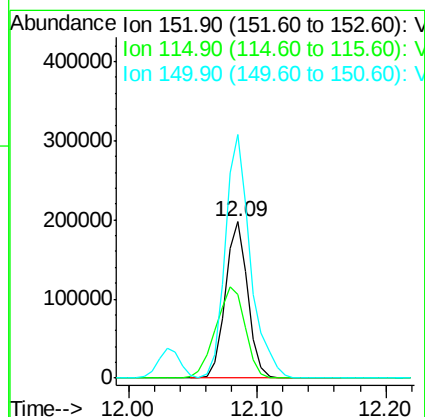
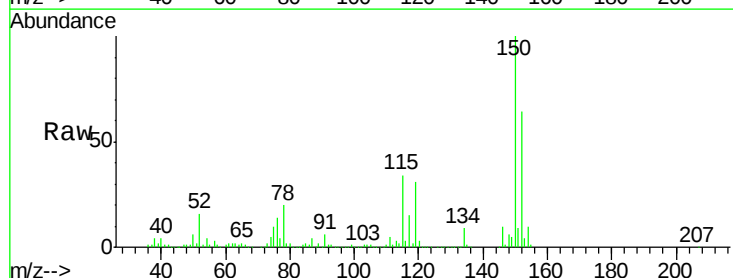
RT: 12.09 min Scan# 1886

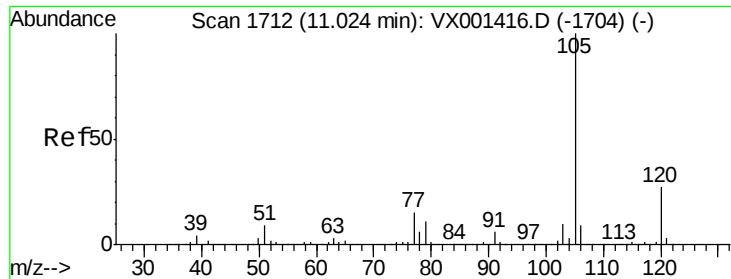
Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.4	37.7	113.1
150	175.0	0.0	349.4





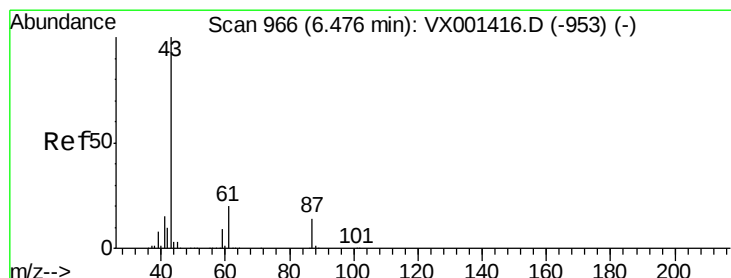
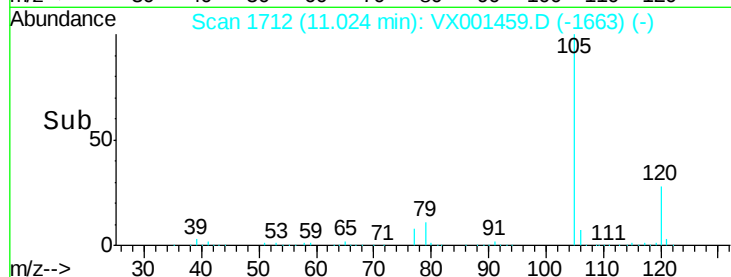
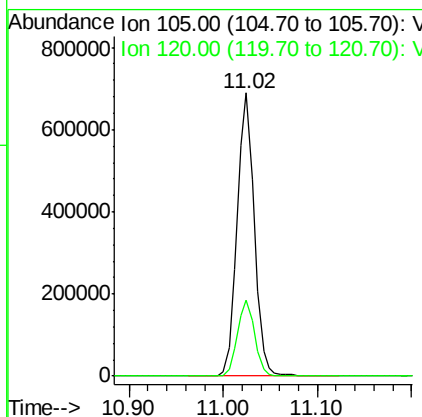
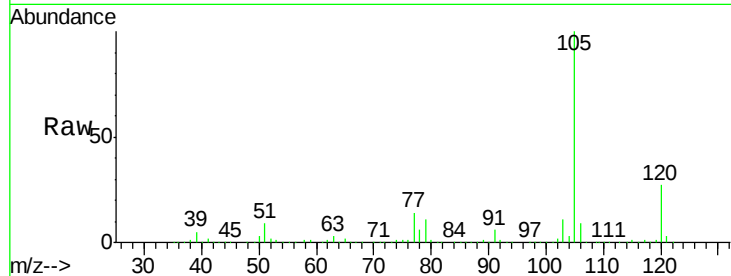
#73
Isopropylbenzene
Concen: 52.20 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.8

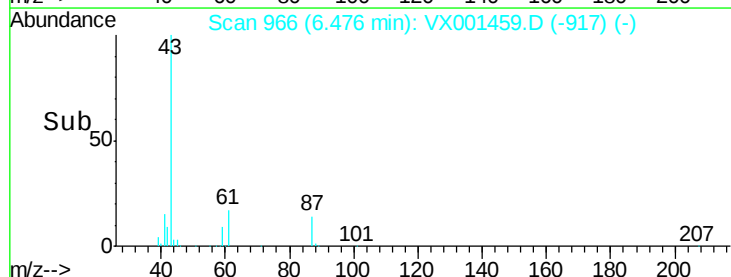
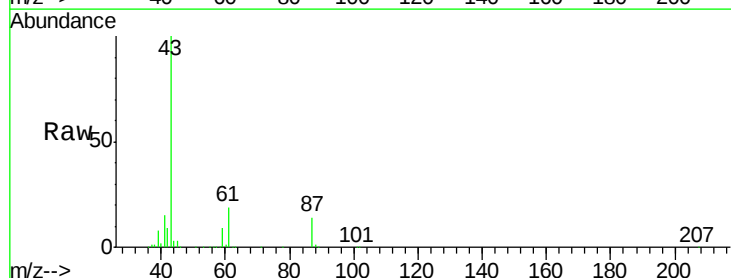
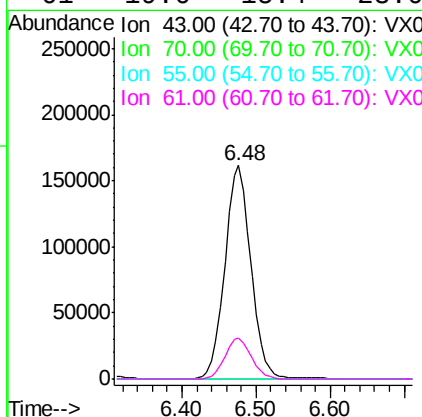
Manual Integrations
APPROVED

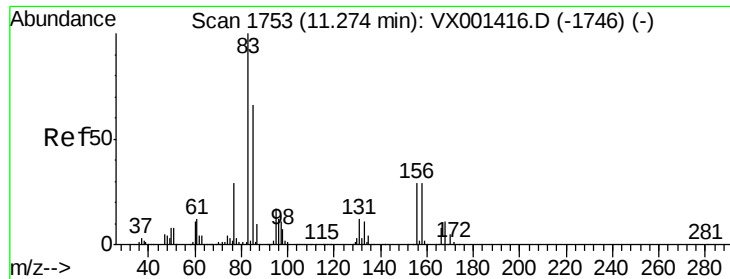
MMDadoda
5/18/2018 2:17:35 PM



#74
N-ethyl acetate
Concen: 51.65 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.1	0.1#
61	19.6	15.4	23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.67 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 255117
Ion Ratio Lower Upper

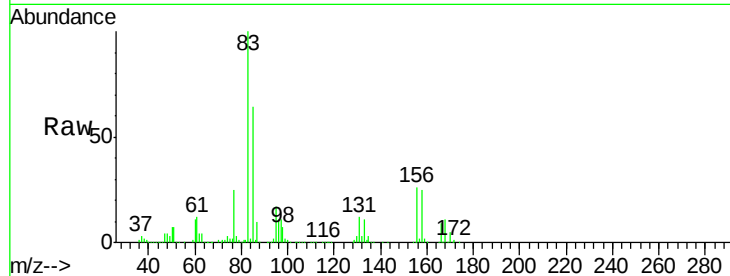
83 100

131 11.5 5.8 17.4

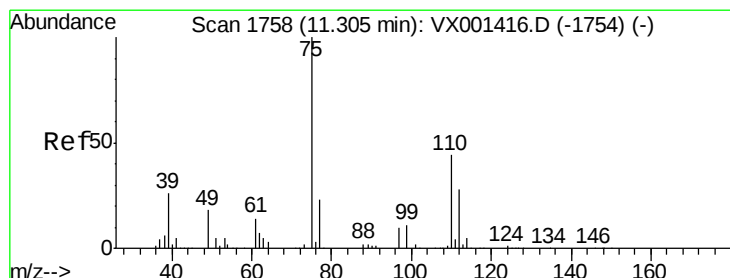
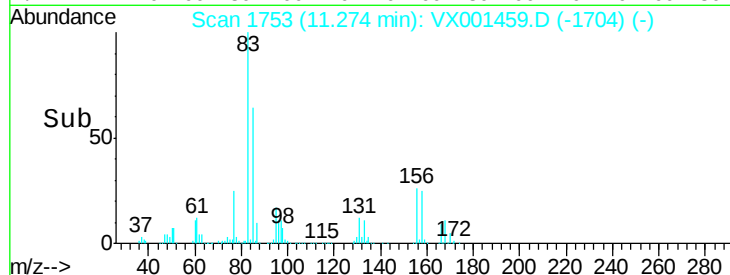
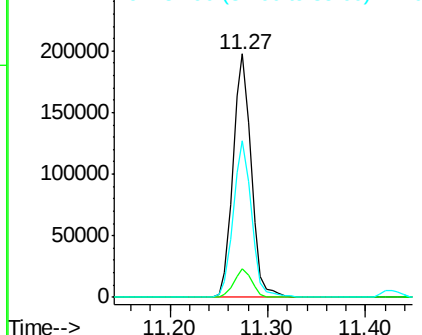
85 64.4 32.7 98.1

Manual Integrations
APPROVED

MMDadoda
5/18/2018 2:17:35 PM



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: 50.74 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

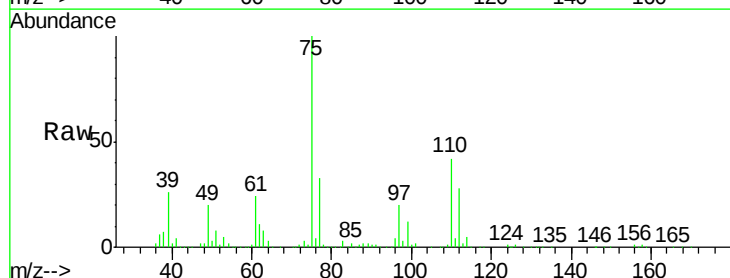
Lab File: VX001459.D

Acq: 06 May 2018 21:57

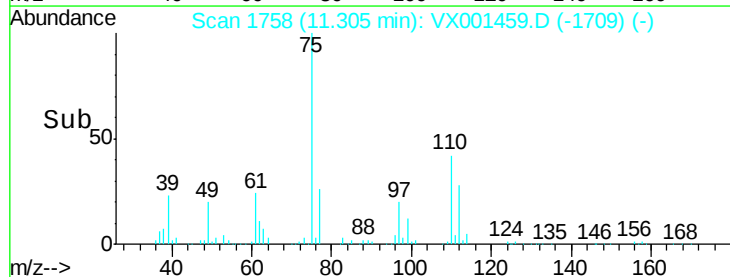
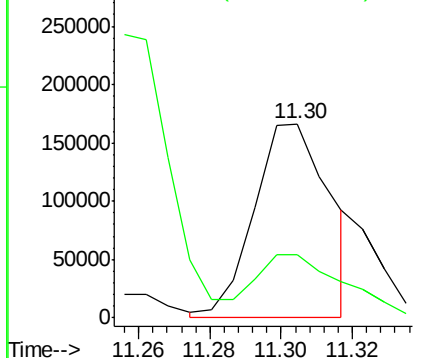
Tgt Ion: 75 Resp: 248515
Ion Ratio Lower Upper

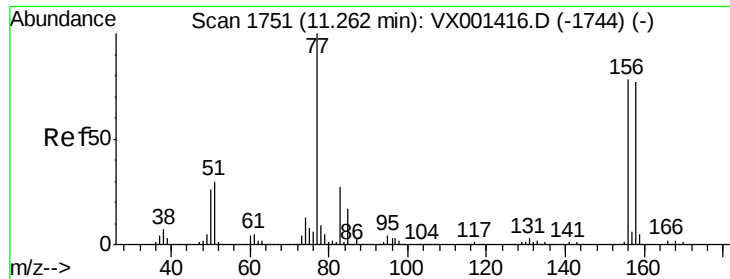
75 100

77 37.6 19.6 58.7



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





#77

Bromobenzene

Concen: 51.36 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 249605

Ion Ratio Lower Upper

156 100

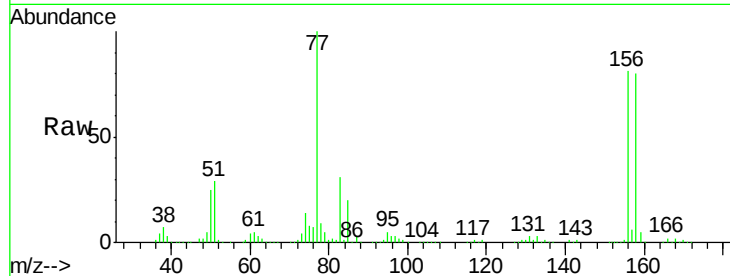
77 131.7 66.0 198.2

158 97.4 49.4 148.2

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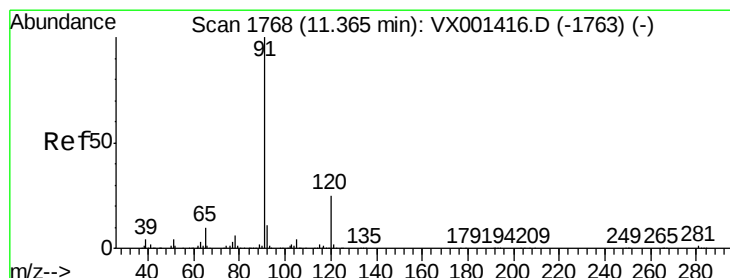
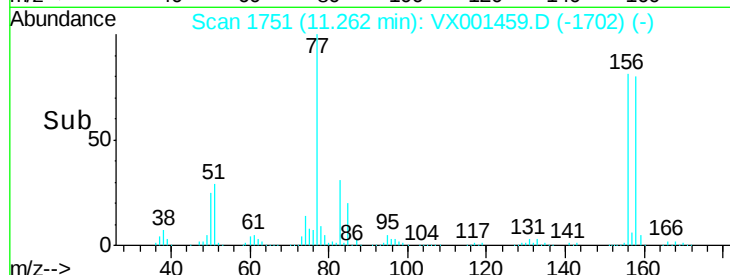
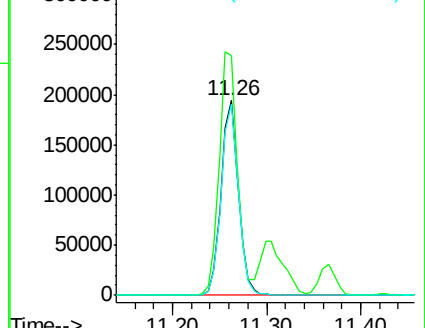
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.27 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001459.D

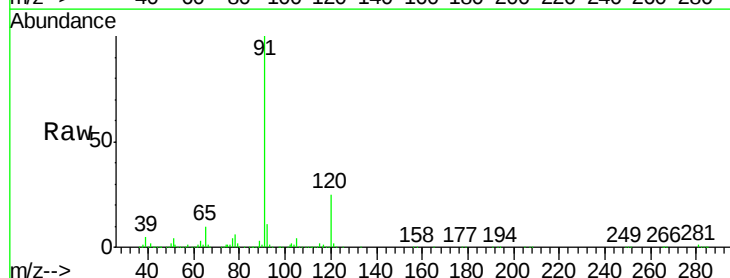
Acq: 06 May 2018 21:57

Tgt Ion: 91 Resp: 969690

Ion Ratio Lower Upper

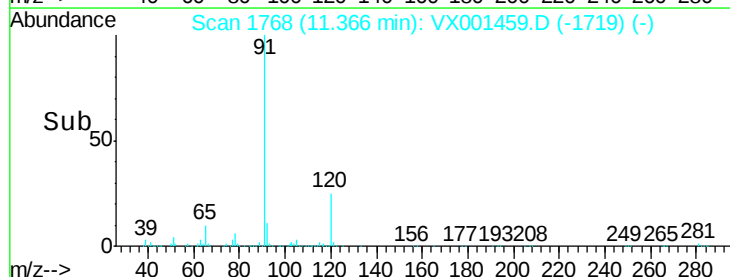
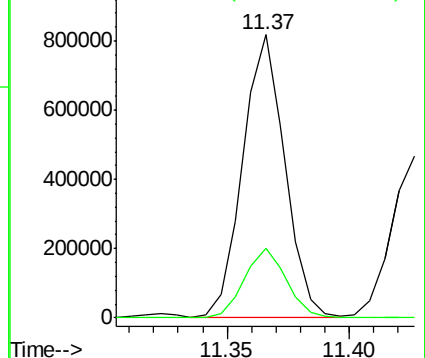
91 100

120 24.9 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.66 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 578724

Ion Ratio Lower Upper

91 100

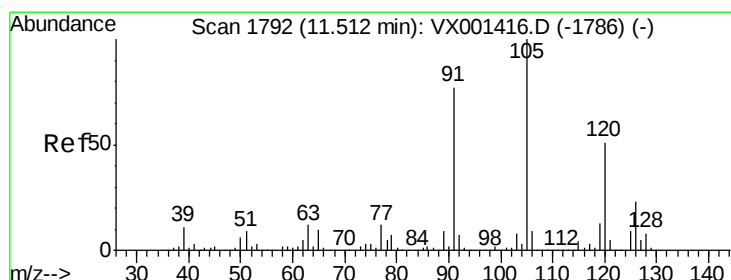
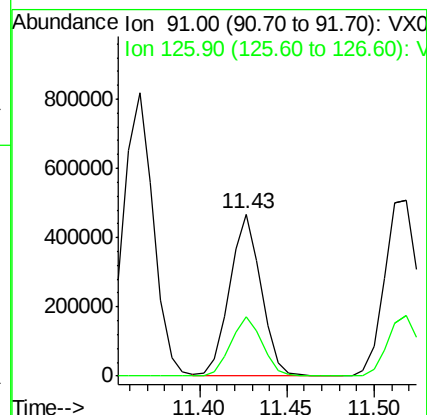
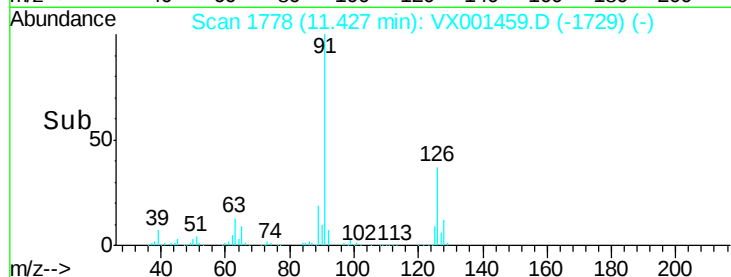
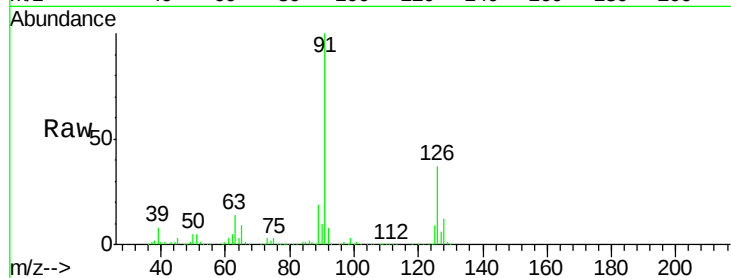
126 37.1 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.88 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001459.D

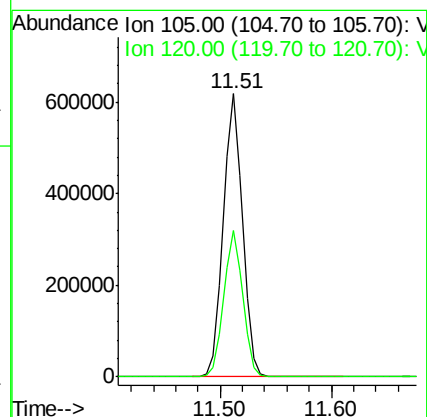
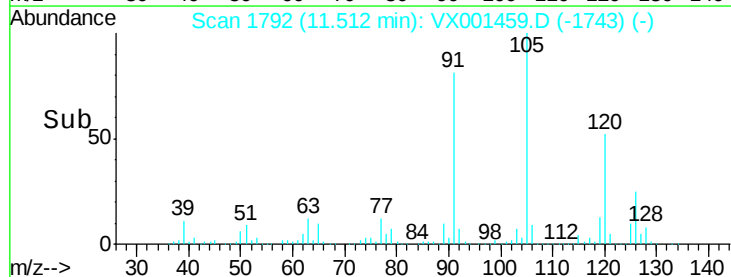
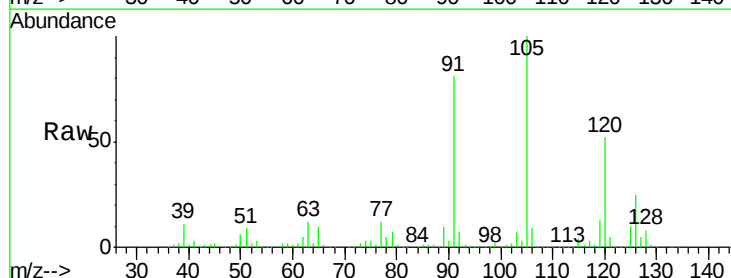
Acq: 06 May 2018 21:57

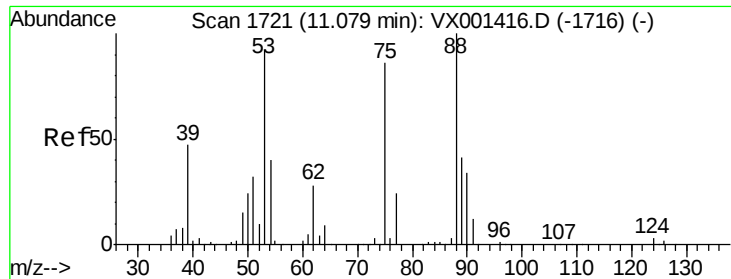
Tgt Ion: 105 Resp: 736007

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.1





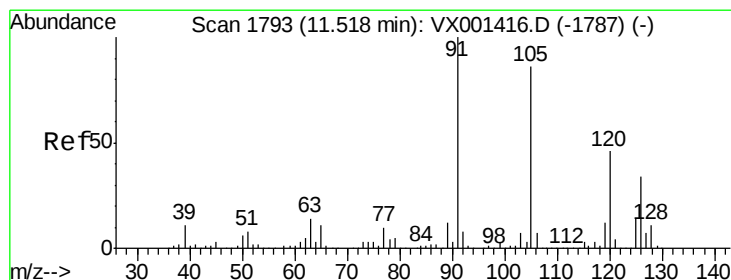
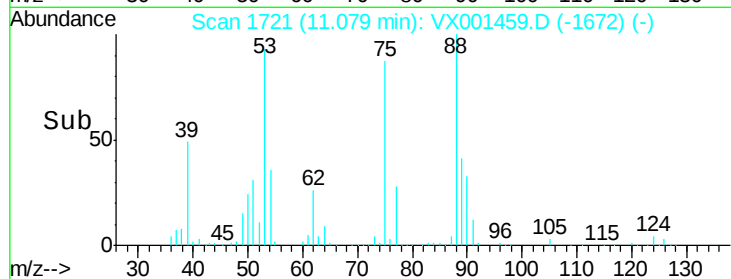
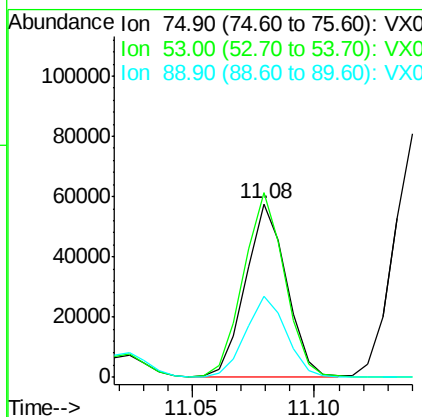
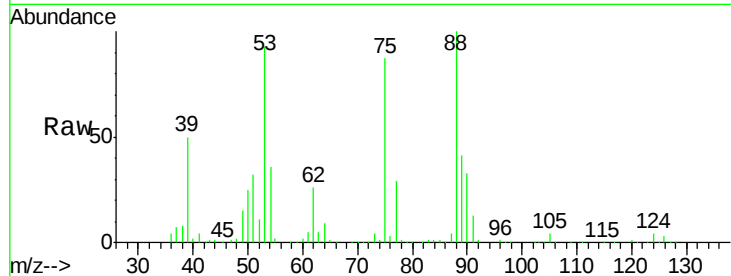
#81
trans-1,4-Dichloro-2-butene
Concen: 43.92 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 66588
Ion Ratio Lower Upper
75 100
53 107.4 84.5 126.7
89 47.2 39.5 59.3

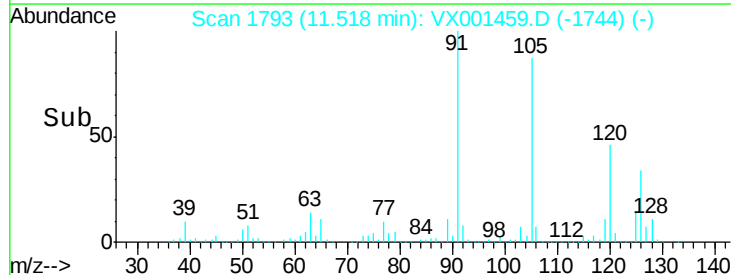
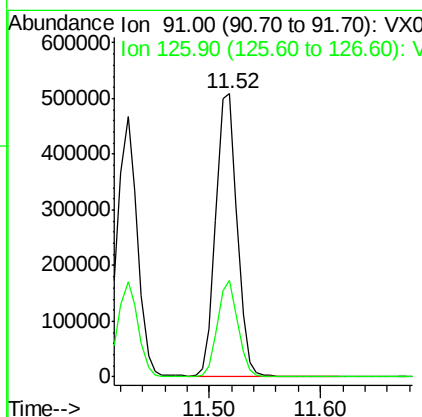
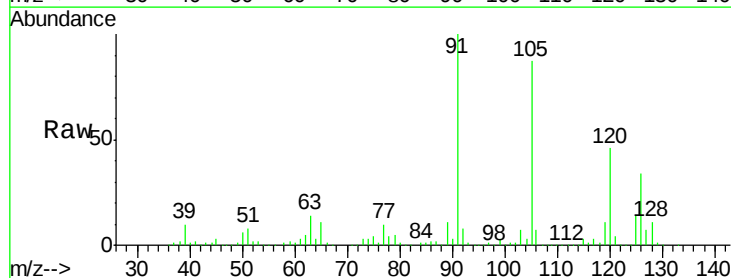
Manual Integrations
APPROVED

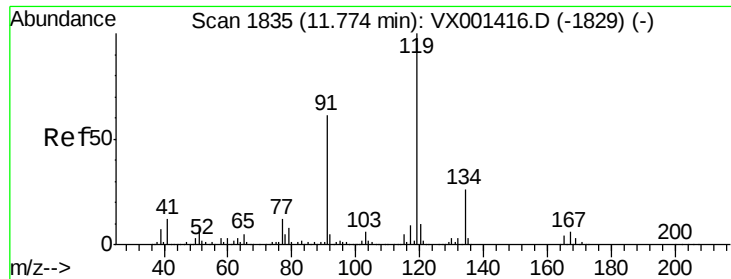
MMDadoda
5/18/2018 2:17:35 PM



#82
4-Chlorotoluene
Concen: 52.48 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 91 Resp: 678237
Ion Ratio Lower Upper
91 100
126 32.3 16.2 48.5





#83

tert-Butylbenzene

Concen: 51.93 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

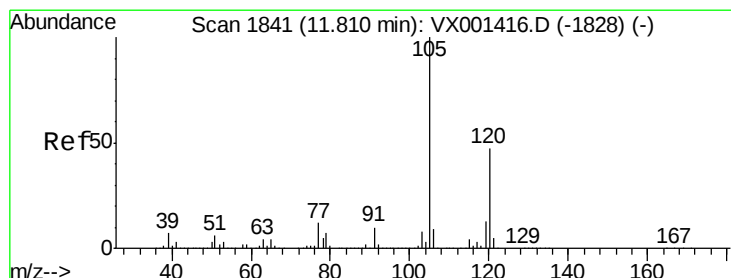
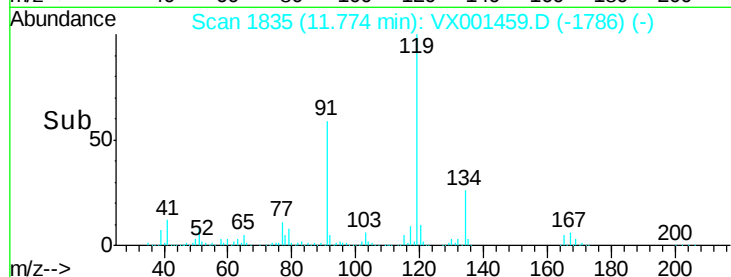
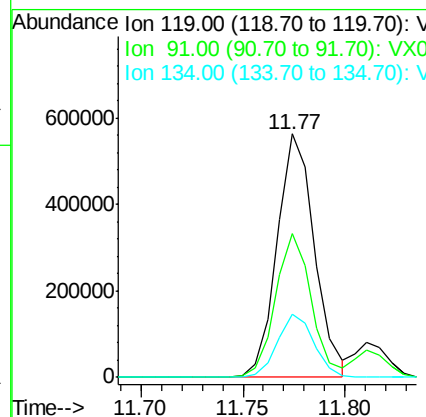
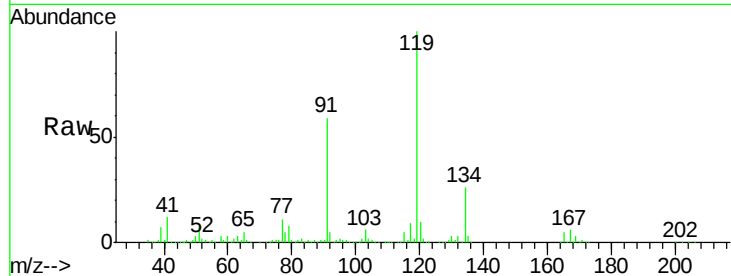
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	719233
Ion Ratio	Lower	Upper	
119	100		
91	56.7	27.8	83.3
134	25.3	12.4	37.0

Manual Integrations
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5/18/2018 2:17:35 PM



#84

1,2,4-Trimethylbenzene

Concen: 53.06 ug/l

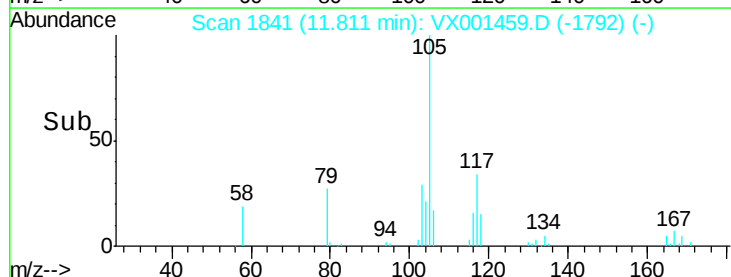
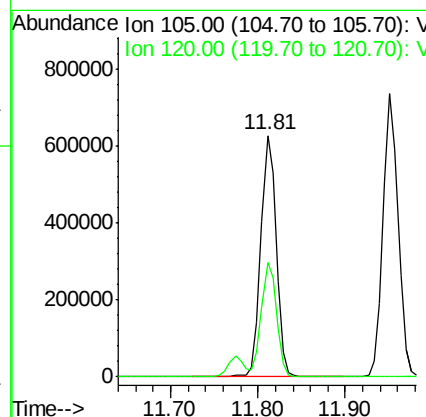
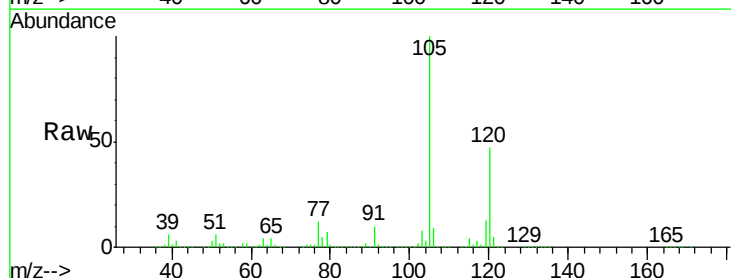
RT: 11.81 min Scan# 1841

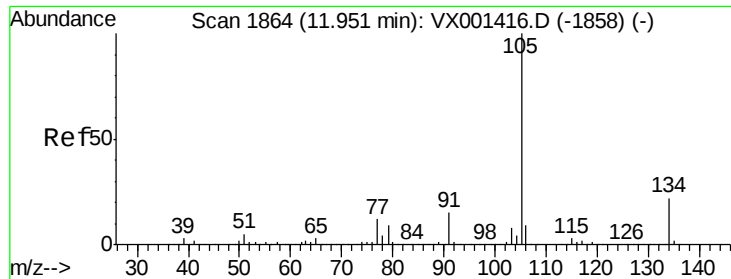
Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tgt Ion:	105	Resp:	758963
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.4	70.2





#85

sec-Butylbenzene

Concen: 53.35 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 886827

Ion Ratio Lower Upper

105 100

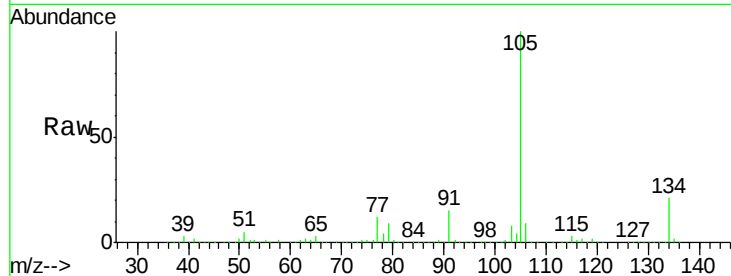
134 21.7 10.9 32.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

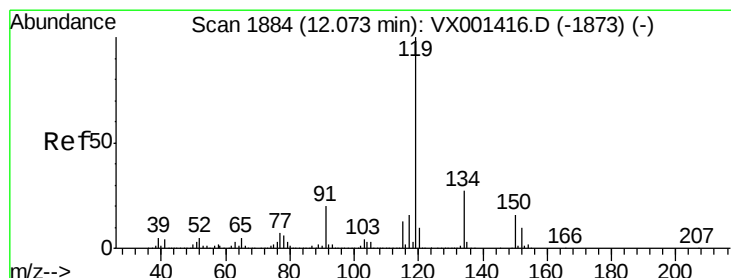
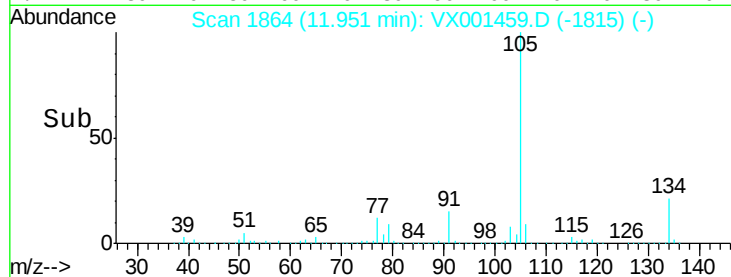
400000

200000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 53.48 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

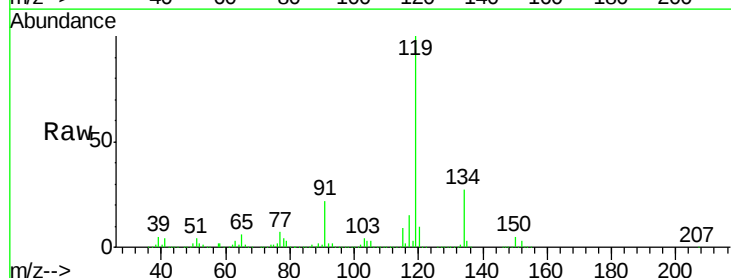
Tgt Ion:119 Resp: 815591

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 21.6 10.8 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

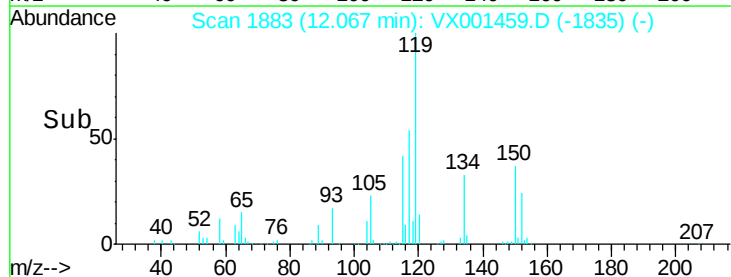
400000

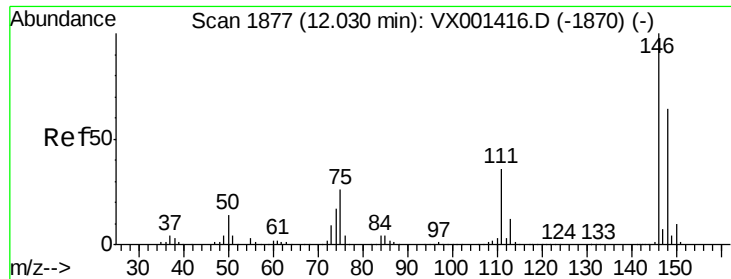
200000

0

12.00 12.10 12.20

Time-->





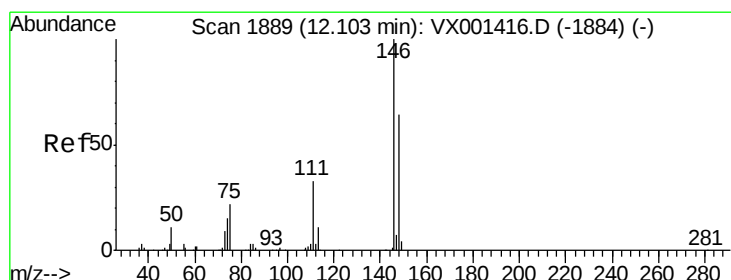
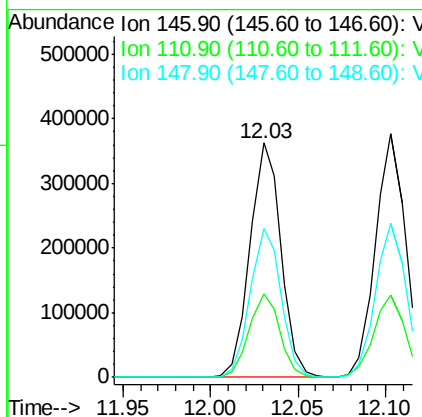
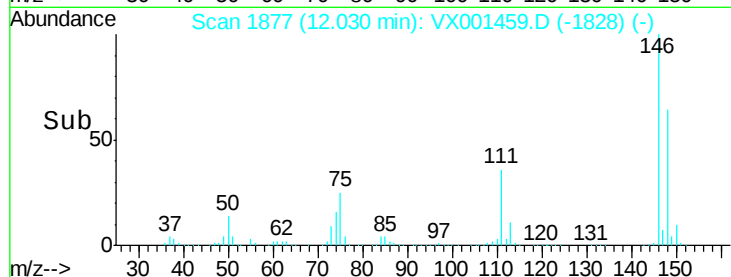
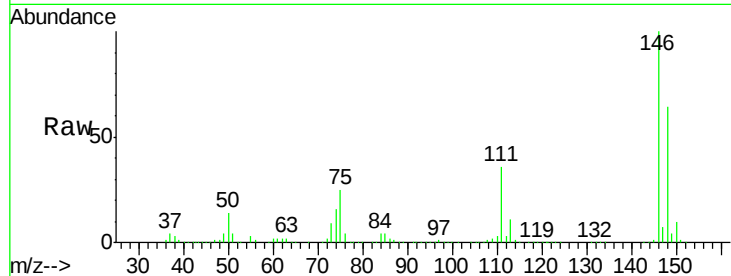
#87
 1,3-Dichlorobenzene
 Concen: 51.74 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.1
148	63.4	32.1	96.5

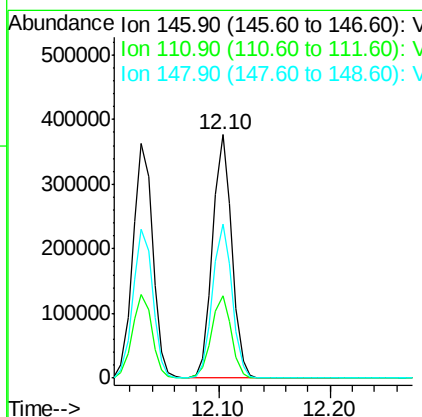
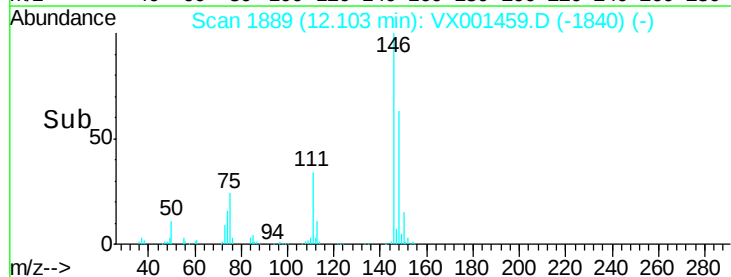
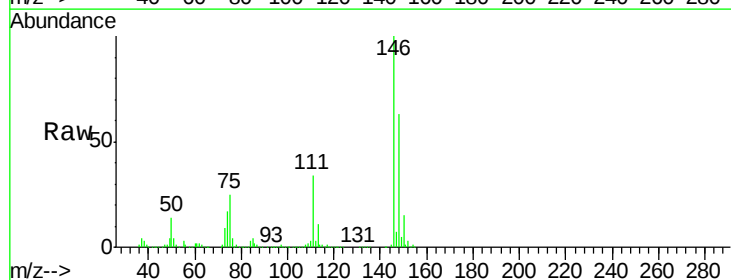
Manual Integrations
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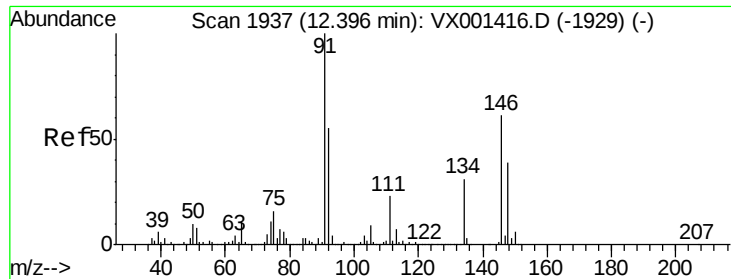
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#88
 1,4-Dichlorobenzene
 Concen: 50.97 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	17.4	52.3
148	64.3	32.2	96.6





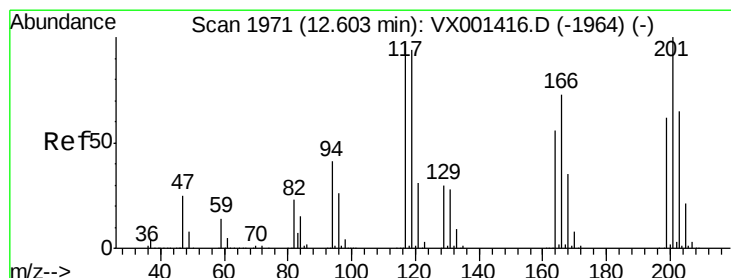
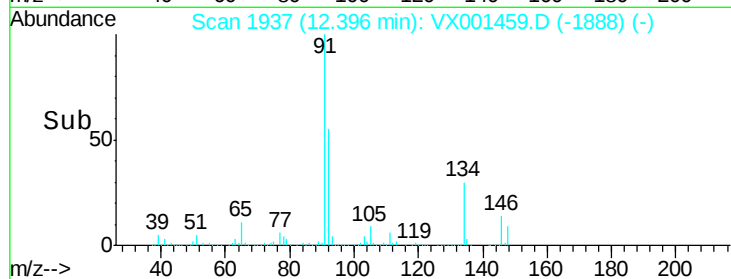
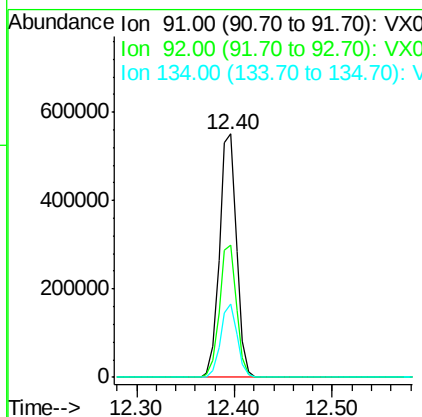
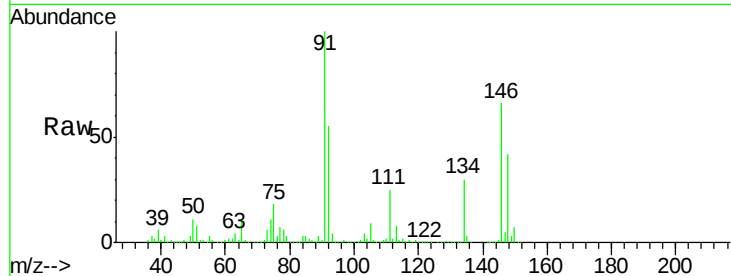
#89
n-Butylbenzene
Concen: 52.51 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	29.3	14.6	44.0

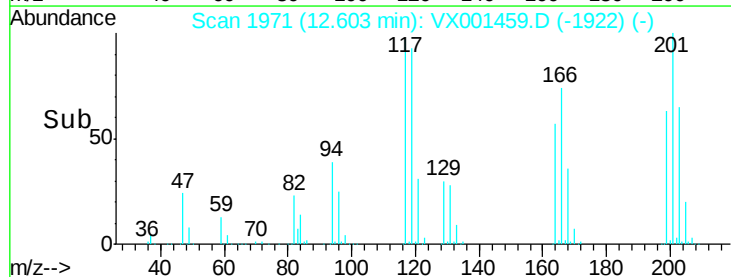
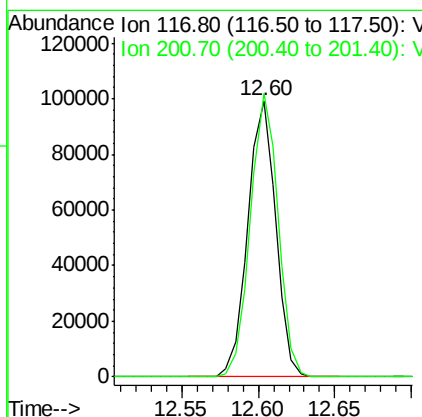
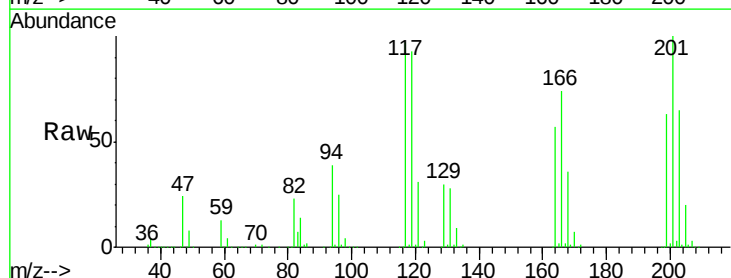
Manual Integrations
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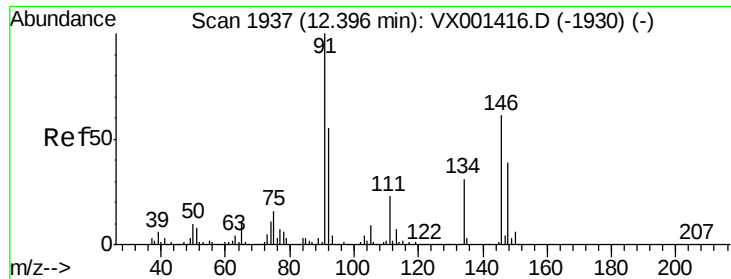
MMDadoda
5/18/2018 2:17:35 PM



#90
Hexachloroethane
Concen: 54.67 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.3	51.5	154.5





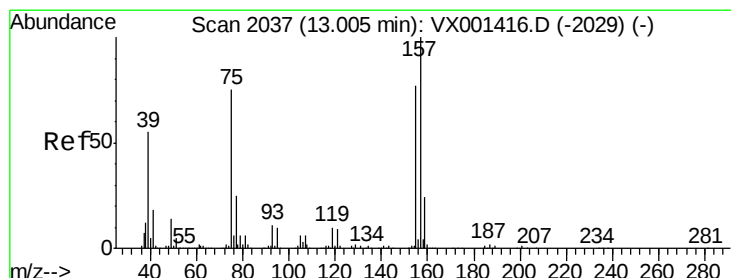
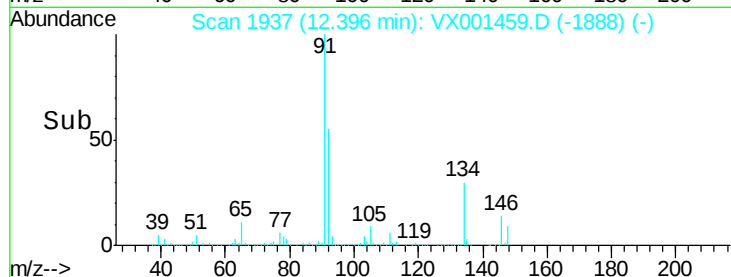
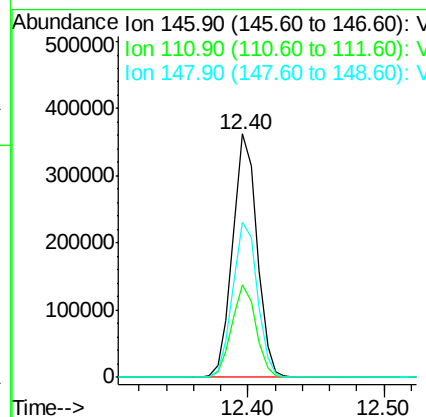
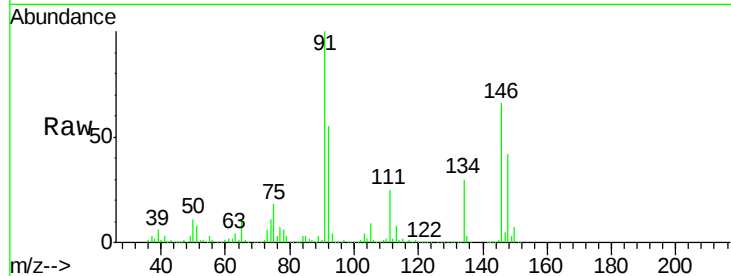
#91
 1,2-Dichlorobenzene
 Concen: 51.13 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.7	32.1	96.5

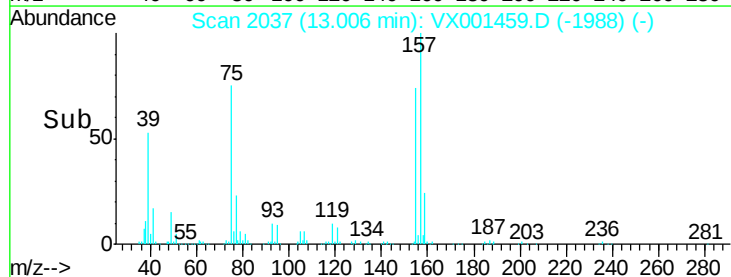
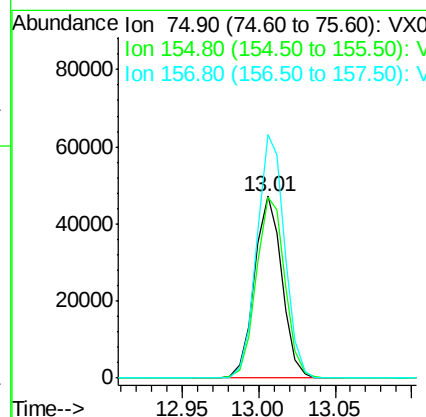
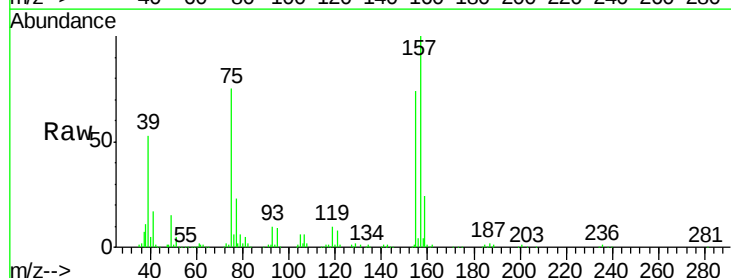
Manual Integrations
 APPROVED

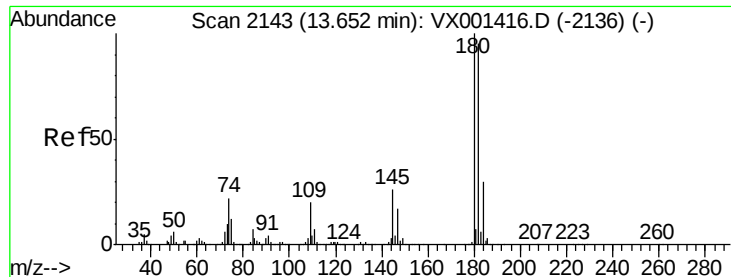
MMDadoda
 5/18/2018 2:17:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.17 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.4	53.4	160.2
157	135.3	68.3	204.8





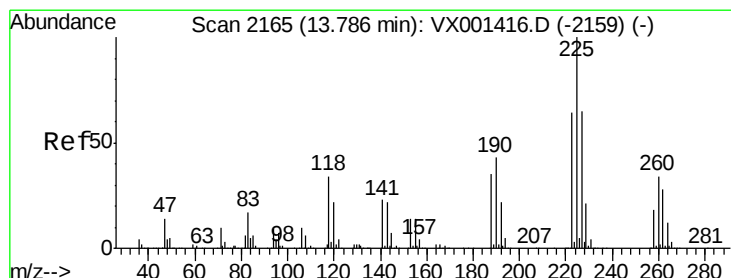
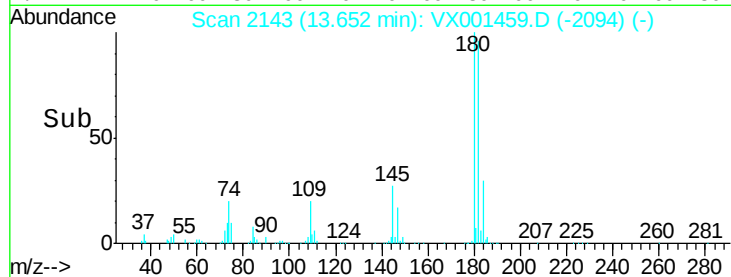
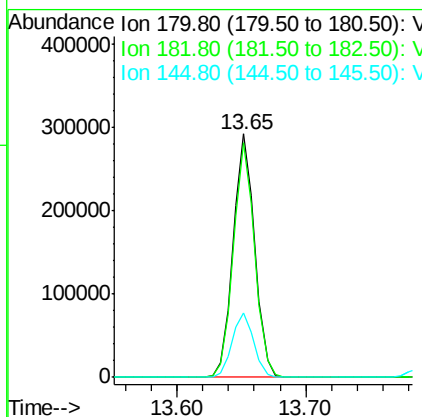
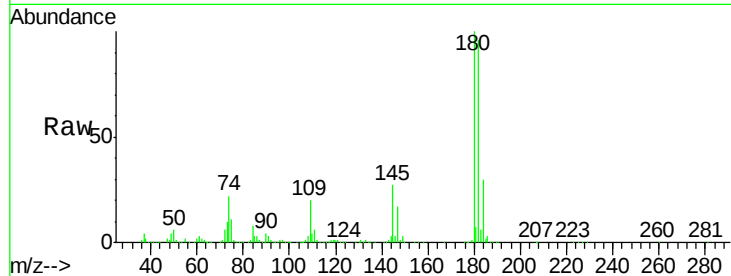
#93
 1,2,4-Trichlorobenzene
 Concen: 52.75 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	341188		
182	95.5	47.8	143.4	
145	26.7	13.3	39.9	

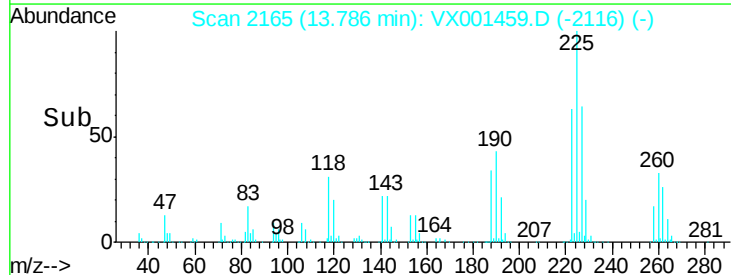
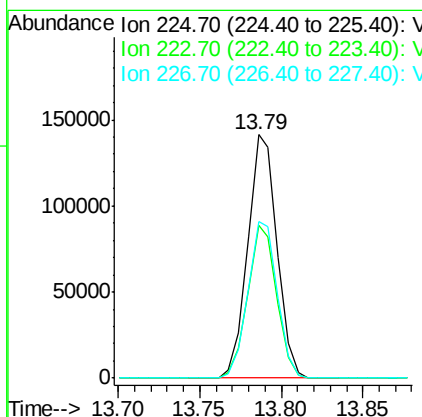
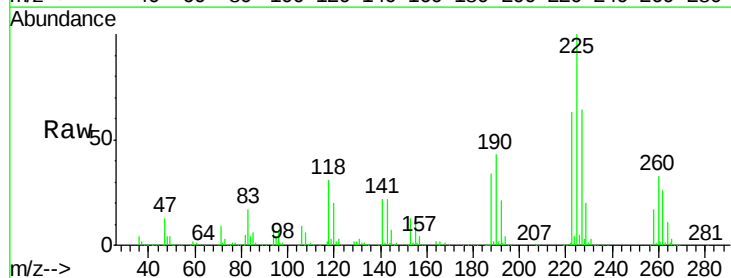
Manual Integrations
 APPROVED

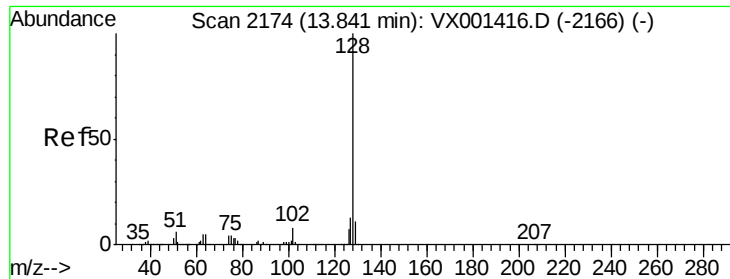
MMDadoda
 5/18/2018 2:17:35 PM



#94
 Hexachlorobutadiene
 Concen: 49.95 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176762		
223	62.1	31.3	93.9	
227	64.7	32.4	97.2	





#95

Naphthalene

Concen: 54.79 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

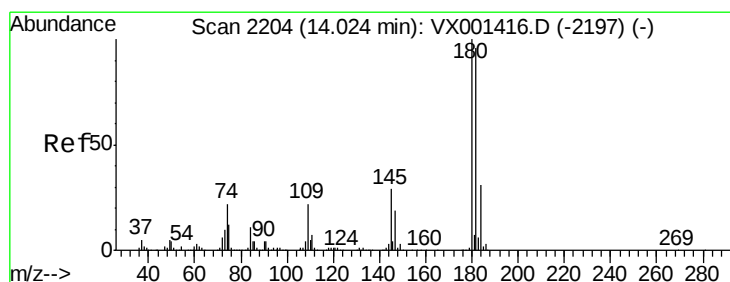
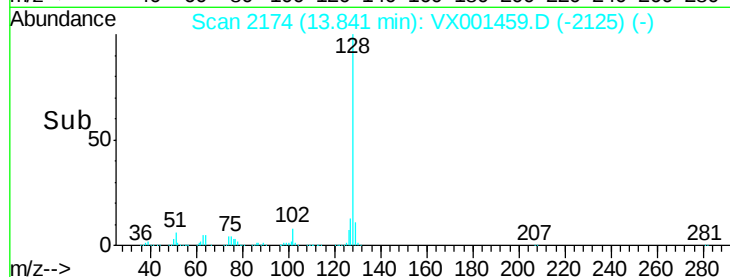
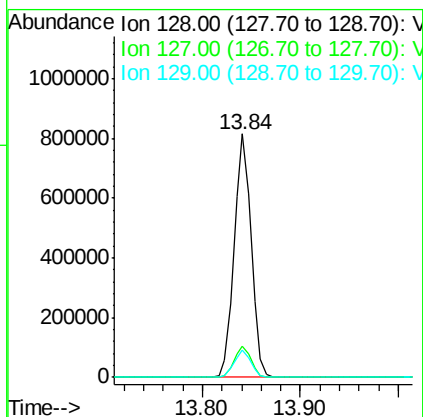
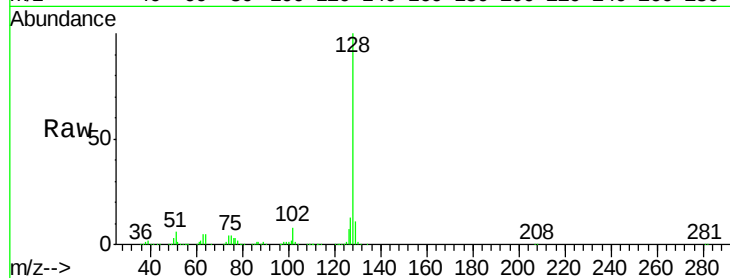
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	980064
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/18/2018 2:17:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.90 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tgt Ion:	180	Resp:	351113
Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.2
145	28.7	14.1	42.4

