

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
 Data File : VX001529.D
 Acq On : 08 May 2018 22:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 5/10/2018 1:11:29 PM

Quant Time: May 09 07:40:01 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	231900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	305722	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	173053	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	5.51	113	140077	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	8.72	98	506834	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.14	95	194127	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	160143	51.30	ug/l	99
3) Chloromethane	1.32	50	155999	51.31	ug/l	99
4) Vinyl Chloride	1.40	62	162432	51.19	ug/l	98
5) Bromomethane	1.64	94	77080	53.30	ug/l	99
6) Chloroethane	1.72	64	109396	52.16	ug/l	99
7) Trichlorofluoromethane	1.92	101	255971	53.60	ug/l	100
8) Diethyl Ether	2.19	74	98376	52.56	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	146201	52.22	ug/l	98
10) Methyl Iodide	2.51	142	201518	49.89	ug/l	100
11) Tert butyl alcohol	3.09	59	190773	271.47	ug/l	100
12) 1,1-Dichloroethene	2.37	96	135623	52.85	ug/l	99
13) Acrolein	2.30	56	36613	264.99	ug/l	99
14) Allyl chloride	2.73	41	251676	52.60	ug/l	99
15) Acrylonitrile	3.15	53	438322	276.02	ug/l	99
16) Acetone	2.45	43	390107	257.75	ug/l	99
17) Carbon Disulfide	2.57	76	329584	50.47	ug/l	99
18) Methyl Acetate	2.78	43	230935	58.08	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	482344	53.99	ug/l	98
20) Methylene Chloride	2.86	84	154863	51.68	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	146692	51.22	ug/l	99
22) Diisopropyl ether	3.88	45	476729	53.33	ug/l	99
23) Vinyl Acetate	3.83	43	1973323	264.88	ug/l	100
24) 1,1-Dichloroethane	3.70	63	272932	54.66	ug/l	99
25) 2-Butanone	4.72	43	587270	268.43	ug/l	99
26) 2,2-Dichloropropane	4.59	77	157718	40.90	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	159500	52.30	ug/l	96
28) Bromochloromethane	5.03	49	119000	54.96	ug/l	97
29) Tetrahydrofuran	5.18	42	381278	272.38	ug/l	100
30) Chloroform	5.22	83	283319	55.08	ug/l	99
31) Cyclohexane	5.58	56	224287	52.29	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	250264	55.67	ug/l	99
36) 1,1-Dichloropropene	5.81	75	198369	51.01	ug/l	100
37) Ethyl Acetate	4.87	43	227380	53.34	ug/l	99
38) Carbon Tetrachloride	5.79	117	227016	54.73	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	231243	50.30	ug/l	97
40) Benzene	6.15	78	605948	53.35	ug/l	99
41) Methacrylonitrile	5.07	41	129536	53.11	ug/l	99
42) 1,2-Dichloroethane	6.20	62	235080	53.85	ug/l	100
43) Isopropyl Acetate	6.48	43	359648	54.96	ug/l	100
44) Trichloroethene	7.22	130	185107	53.32	ug/l	99
45) 1,2-Dichloropropane	7.52	63	151080	53.35	ug/l	100
46) Dibromomethane	7.67	93	107712	53.73	ug/l	99
47) Bromodichloromethane	7.90	83	210045	56.61	ug/l	99
48) Methyl methacrylate	7.79	41	196541	55.16	ug/l	99
49) 1,4-Dioxane	7.76	88	82394	1070.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1224117	281.49	ug/l	99
52) Toluene	8.79	92	397934	53.58	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	230214	54.90	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	209913	48.49	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	161858	54.09	ug/l	99
56) Ethyl methacrylate	9.19	69	237994	55.18	ug/l	100
57) 1,3-Dichloropropane	9.38	76	267379	54.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	613717	290.09	ug/l	99
59) 2-Hexanone	9.51	43	928775	278.91	ug/l	100
60) Dibromochloromethane	9.59	129	174787	57.04	ug/l	98
61) 1,2-Dibromoethane	9.68	107	172308	54.84	ug/l	99
64) Tetrachloroethene	9.34	164	224864	54.52	ug/l	99
65) Chlorobenzene	10.15	112	455430	52.48	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	173788	55.98	ug/l	100
67) Ethyl Benzene	10.26	91	758913	53.35	ug/l	100
68) m/p-Xylenes	10.37	106	606173	107.85	ug/l	100
69) o-Xylene	10.71	106	296838	54.34	ug/l	99
70) Styrene	10.72	104	495059	55.79	ug/l	99
71) Bromoform	10.87	173	145007	48.67	ug/l #	99
73) Isopropylbenzene	11.02	105	794417	53.03	ug/l	100
74) N-amyl acetate	6.48	43	359648	52.85	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	234558	53.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	231593m	52.77	ug/l	
77) Bromobenzene	11.26	156	226739	52.06	ug/l	99
78) n-propylbenzene	11.37	91	883483	54.16	ug/l	100
79) 2-Chlorotoluene	11.43	91	528260	52.62	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	673748	54.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	59971	44.12	ug/l	97
82) 4-Chlorotoluene	11.52	91	620377	53.57	ug/l	100
83) tert-Butylbenzene	11.77	119	650365	52.40	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	691091	53.91	ug/l	100
85) sec-Butylbenzene	11.95	105	807041	54.18	ug/l	100
86) p-Isopropyltoluene	12.07	119	742590	54.34	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	403332	51.80	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	412077	51.89	ug/l	100
89) n-Butylbenzene	12.40	91	592570	52.33	ug/l	99
90) Hexachloroethane	12.60	117	115607	56.18	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	415157	52.41	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	55709	57.31	ug/l	100

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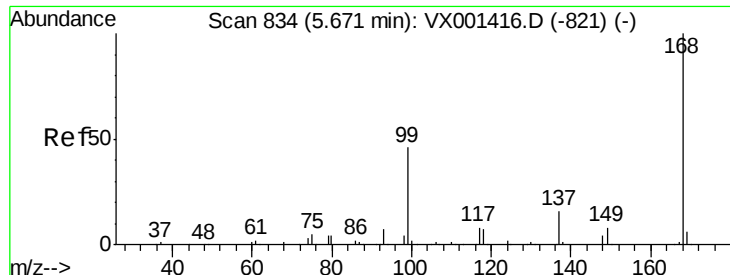
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	305264	52.66	ug/l	99
94) Hexachlorobutadiene	13.79	225	164091	51.74	ug/l	99
95) Naphthalene	13.84	128	903059	56.33	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	319622	53.74	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 231900

Ion Ratio Lower Upper

168 100

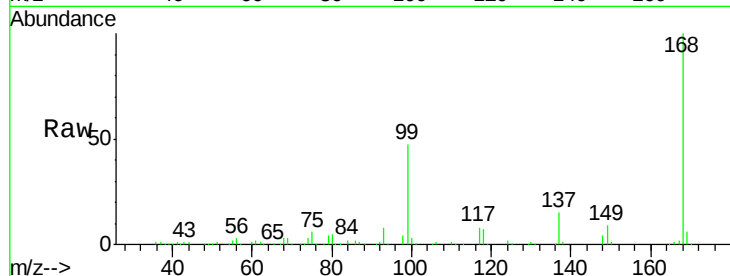
99 47.1 36.6 54.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

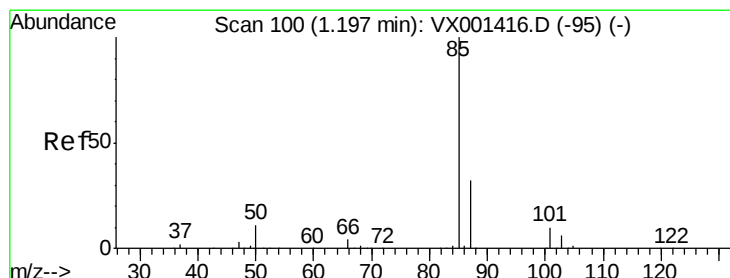
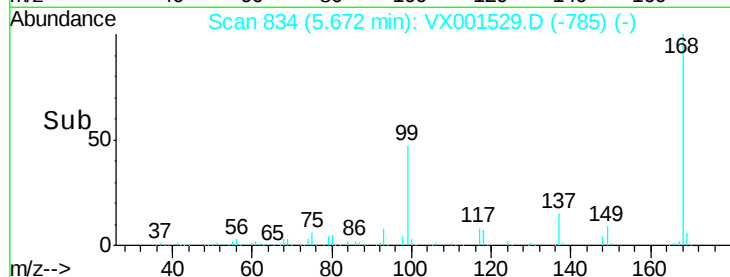
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.30 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001529.D

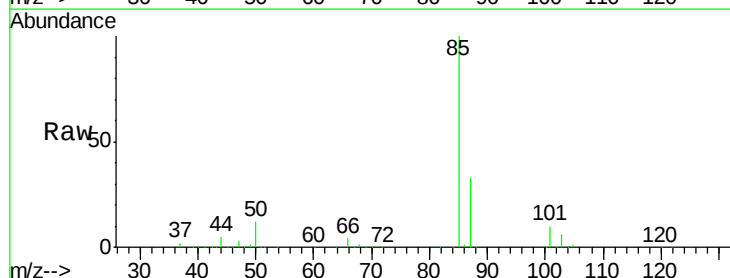
Acq: 08 May 2018 22:28

Tgt Ion: 85 Resp: 160143

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

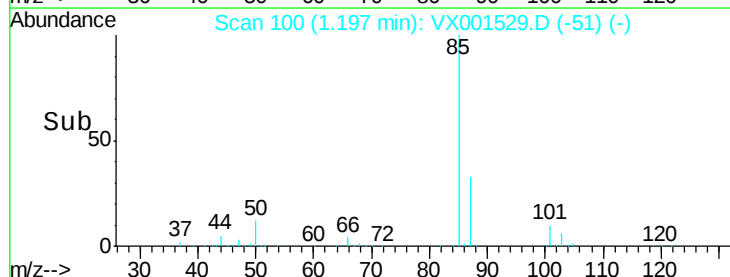
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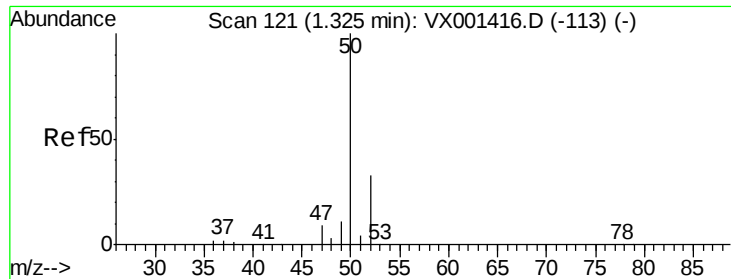
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 51.31 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 155999

Ion Ratio Lower Upper

50 100

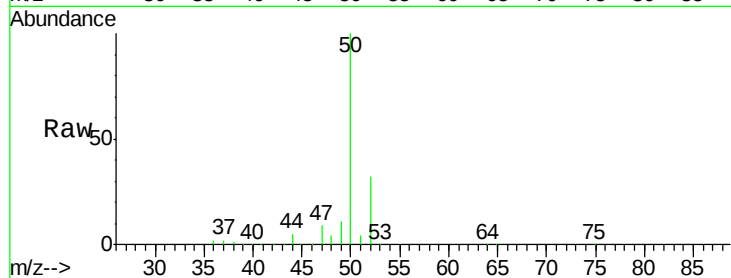
52 32.4 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

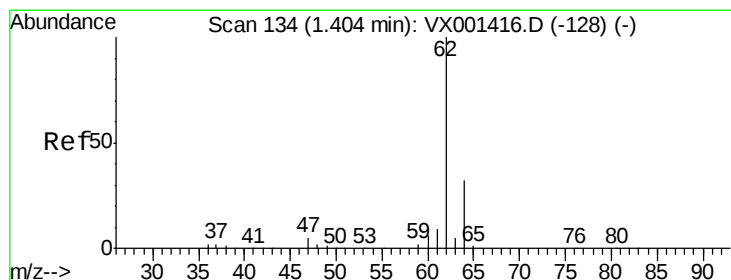
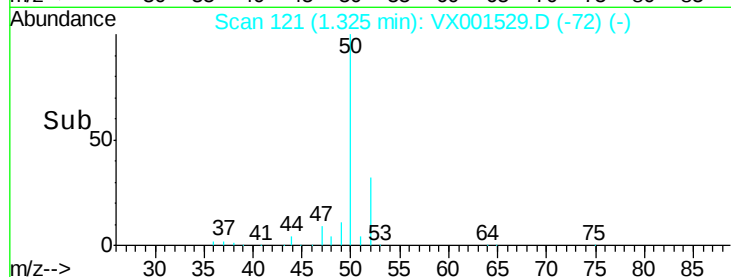
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 51.19 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001529.D

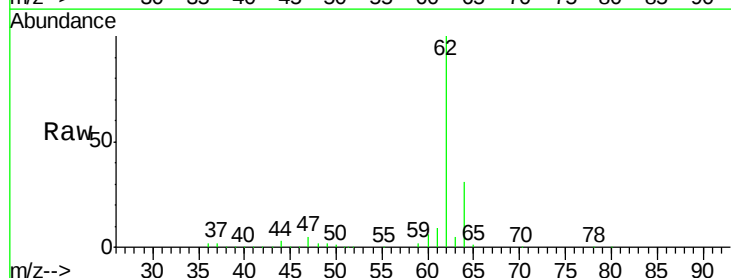
Acq: 08 May 2018 22:28

Tgt Ion: 62 Resp: 162432

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

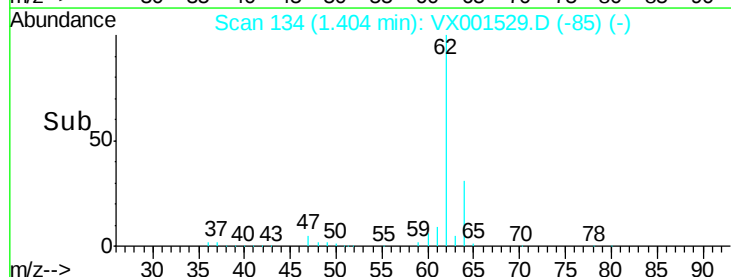
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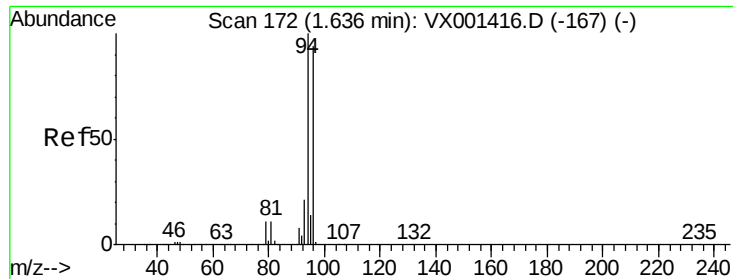
100000

50000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 53.30 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 77080

Ion Ratio Lower Upper

94 100

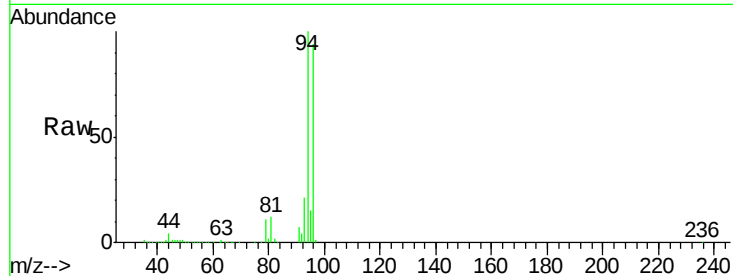
96 94.4 75.0 112.6

Manual Integrations

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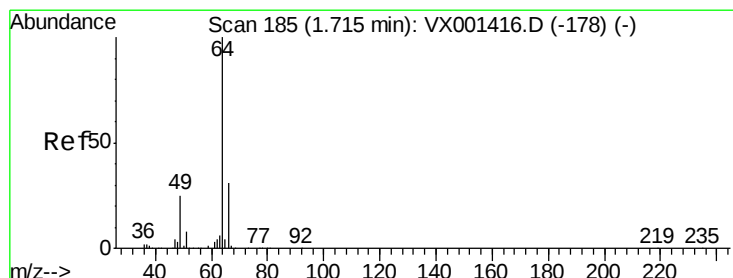
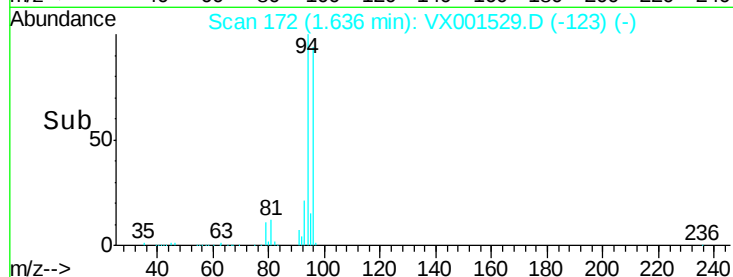
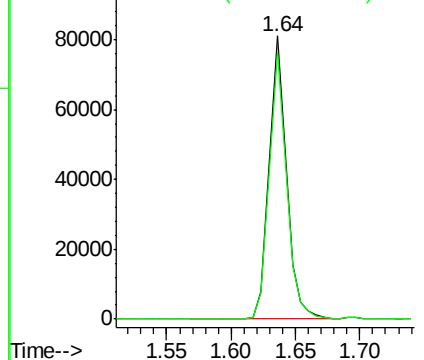
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.16 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001529.D

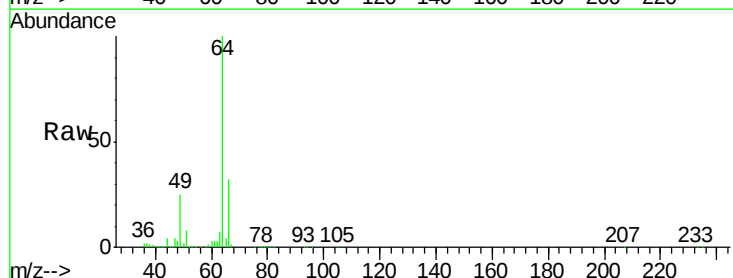
Acq: 08 May 2018 22:28

Tgt Ion: 64 Resp: 109396

Ion Ratio Lower Upper

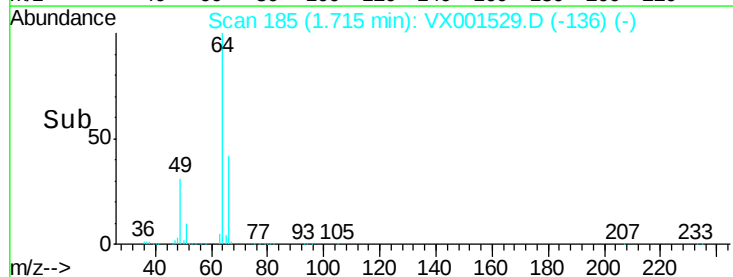
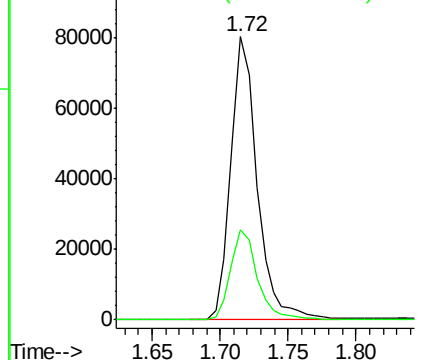
64 100

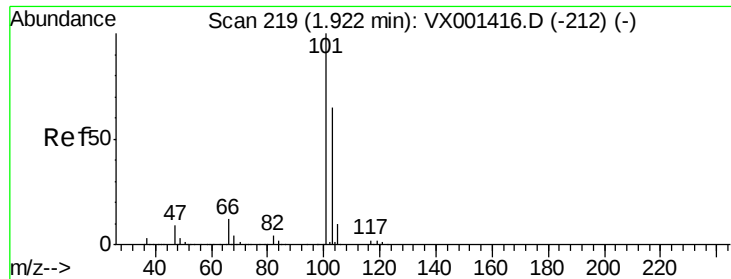
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

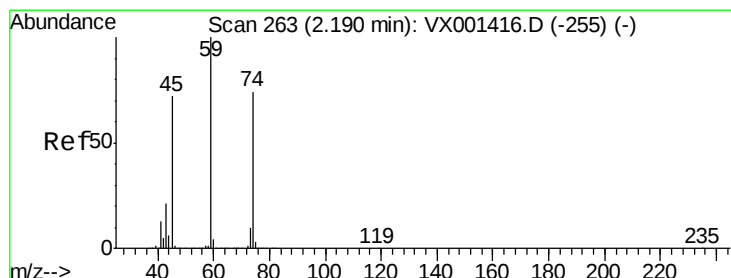
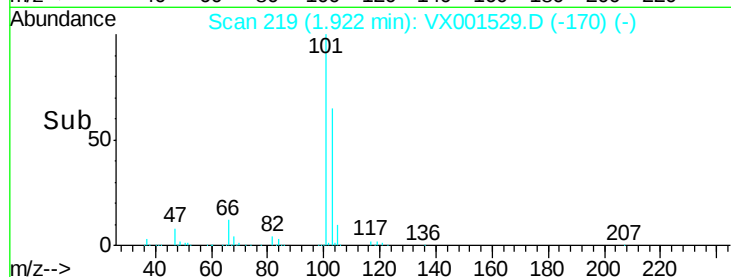
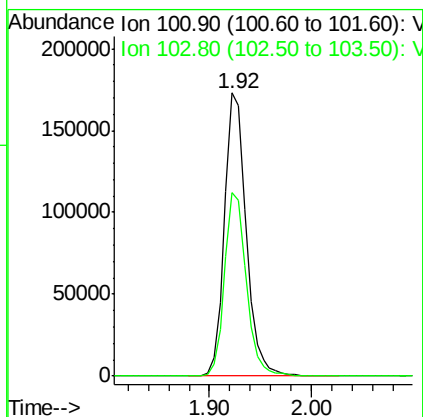
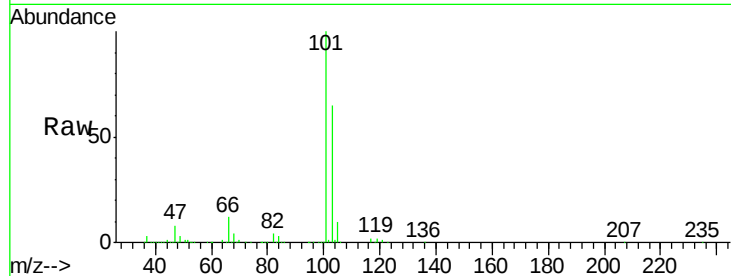
Trichlorofluoromethane
 Concen: 53.60 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	255971		
103	64.9	52.0	78.0	

Manual Integrations
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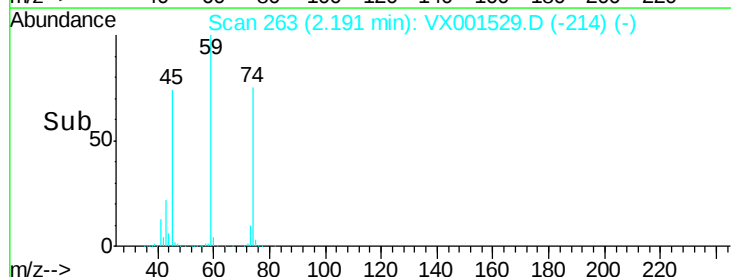
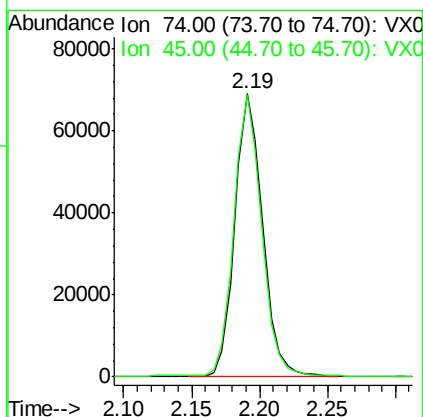
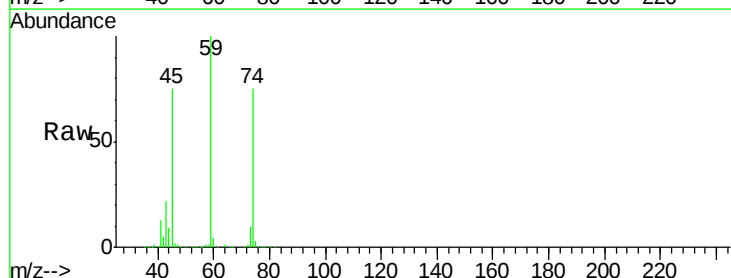
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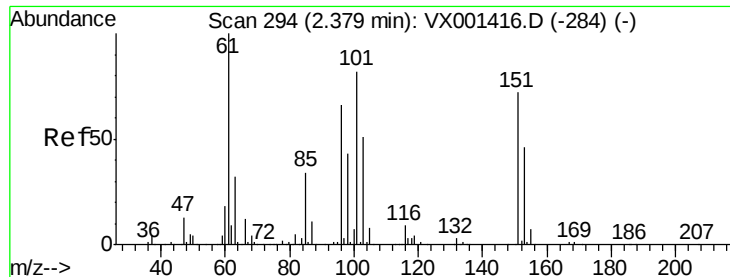


#8

Diethyl Ether
 Concen: 52.56 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	98376		
45	99.1	47.9	143.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.22 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

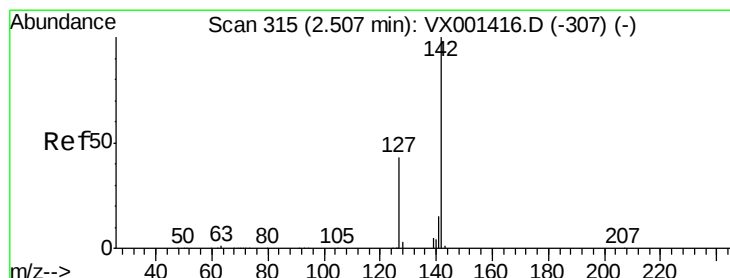
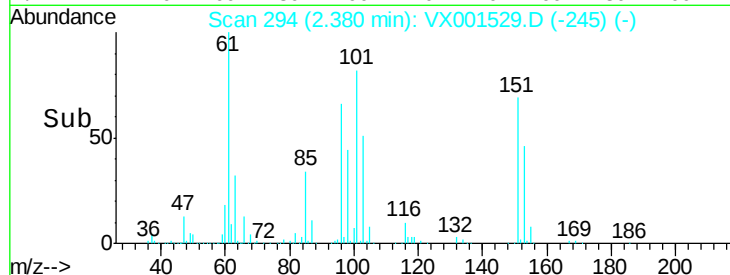
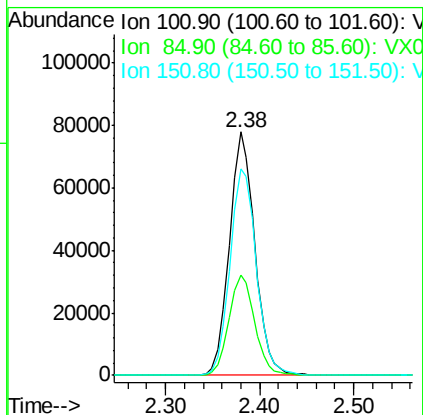
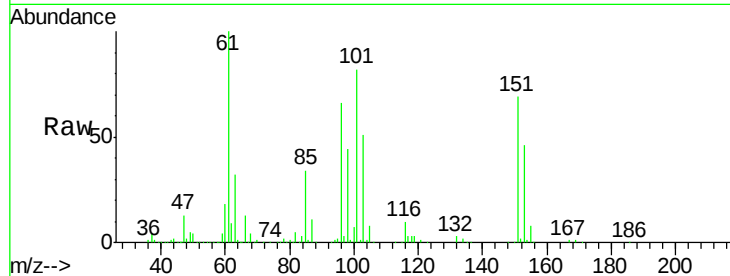
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	146201
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.7	50.5
151	88.2	72.3	108.5

Manual Integrations
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#10

Methyl Iodide

Concen: 49.89 ug/l

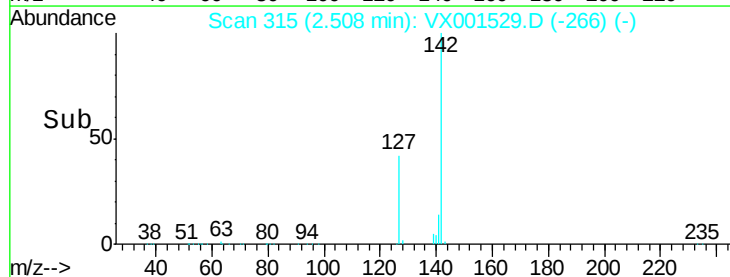
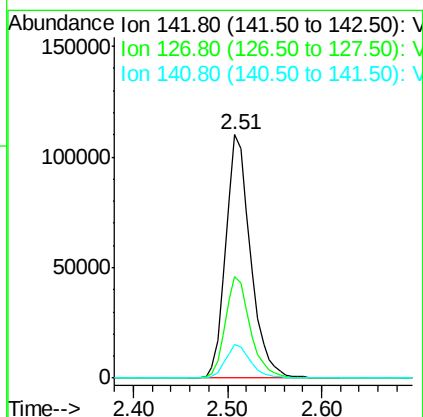
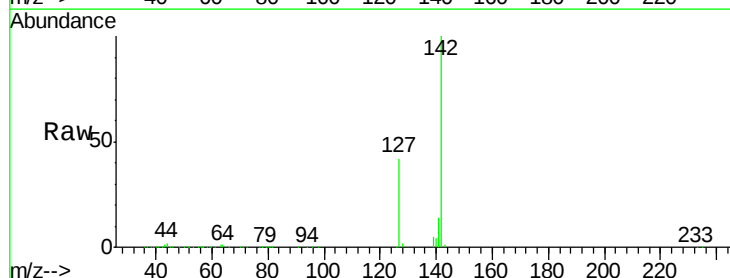
RT: 2.51 min Scan# 315

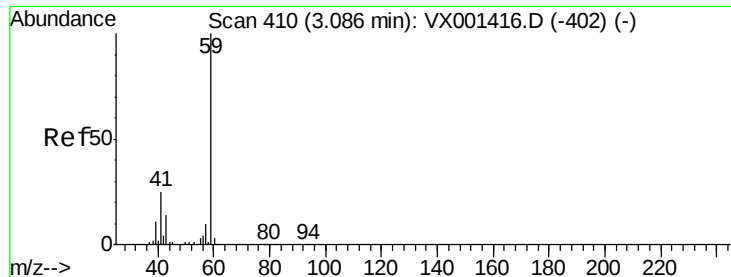
Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Tgt Ion:	142	Resp:	201518
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.6	50.4
141	13.9	11.4	17.2





#11

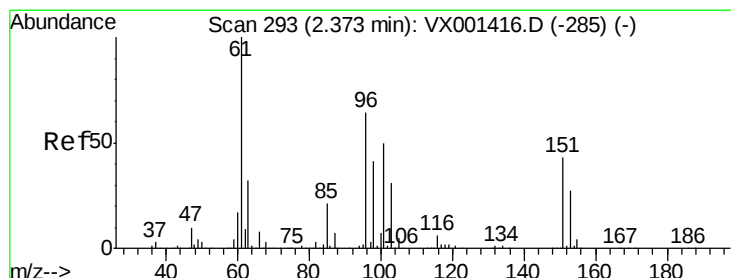
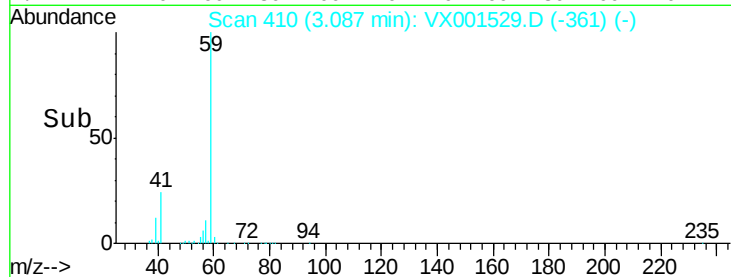
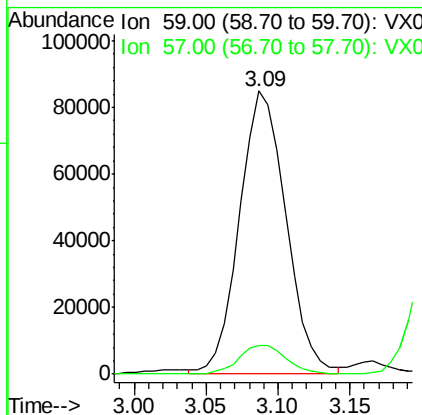
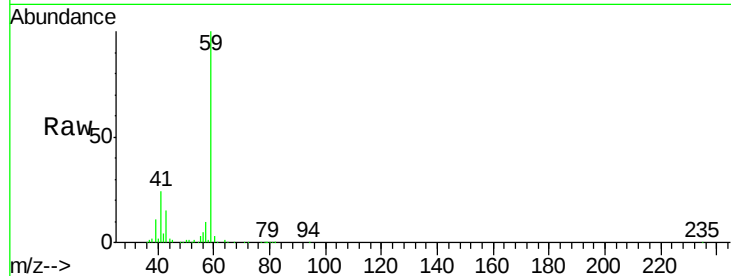
Tert butyl alcohol
Concen: 271.47 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
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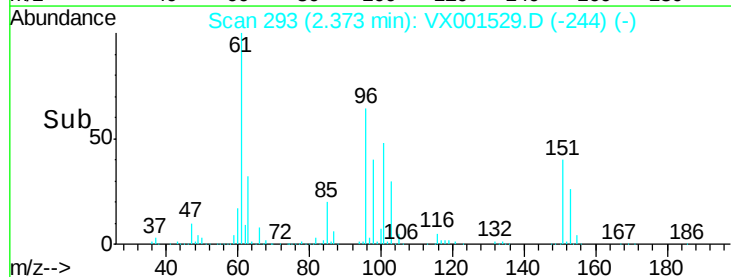
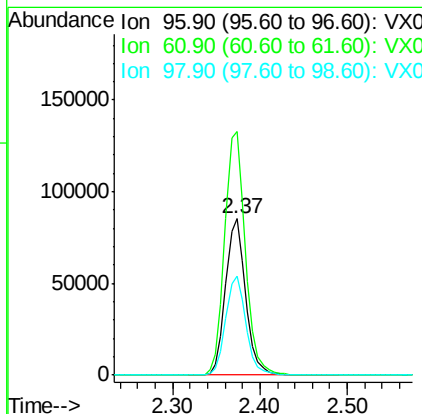
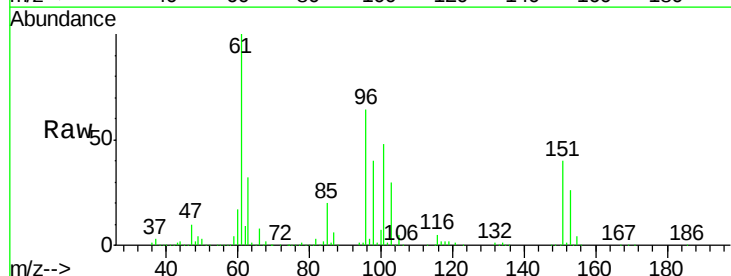
MMDadoda
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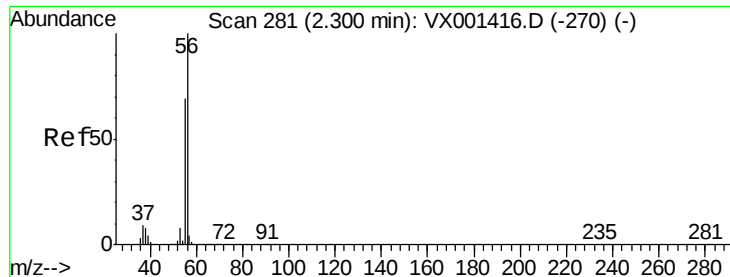


#12

1,1-Dichloroethene
Concen: 52.85 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.1	125.7	188.5
98	63.1	52.0	78.0





#13

Acrolein

Concen: 264.99 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 36613

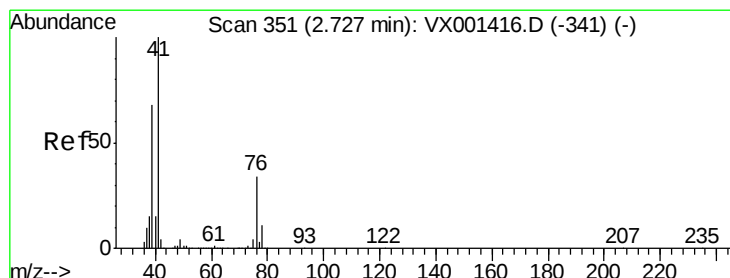
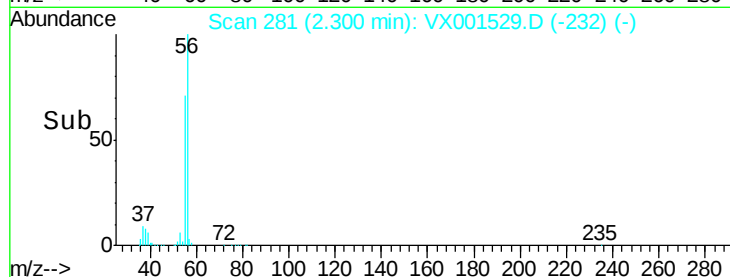
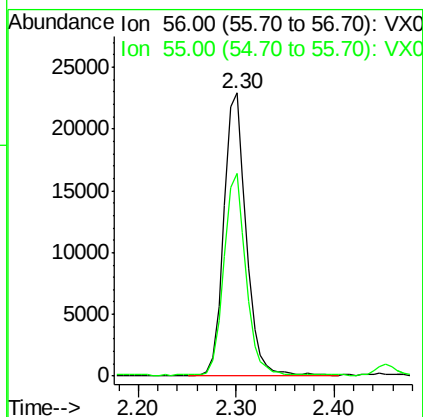
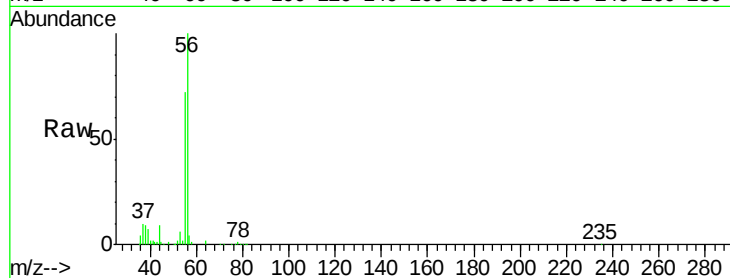
Ion Ratio Lower Upper

56 100

55 69.0 54.5 81.7

Manual Integrations
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#14

Allyl chloride

Concen: 52.60 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

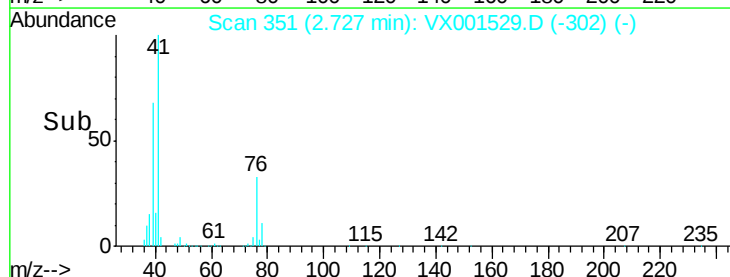
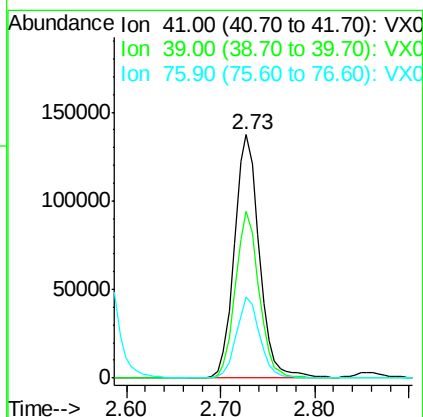
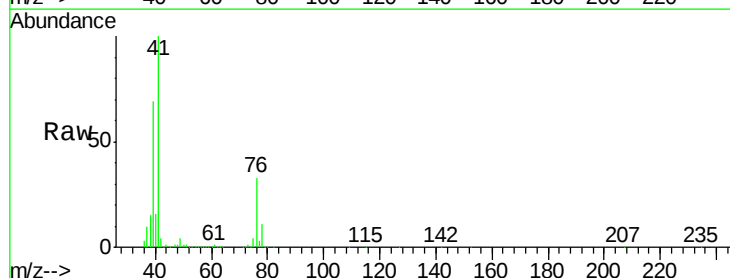
Tgt Ion: 41 Resp: 251676

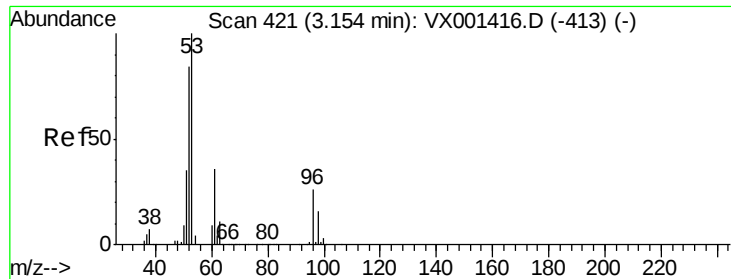
Ion Ratio Lower Upper

41 100

39 65.1 52.4 78.6

76 31.2 25.8 38.6





#15

Acrylonitrile

Concen: 276.02 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

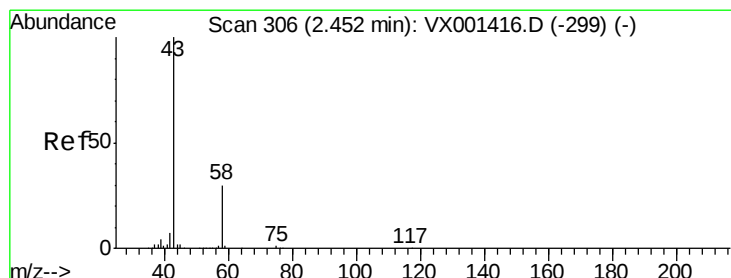
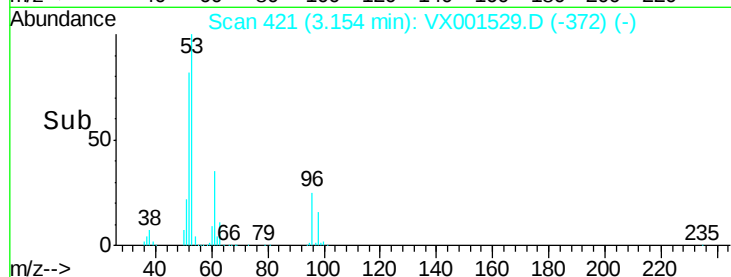
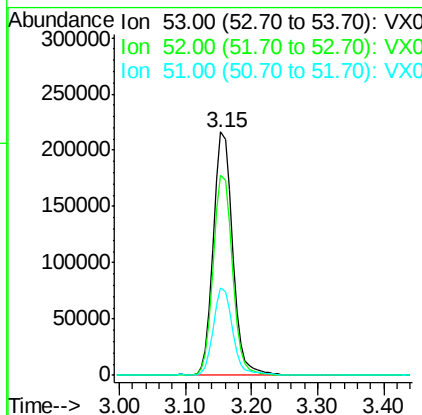
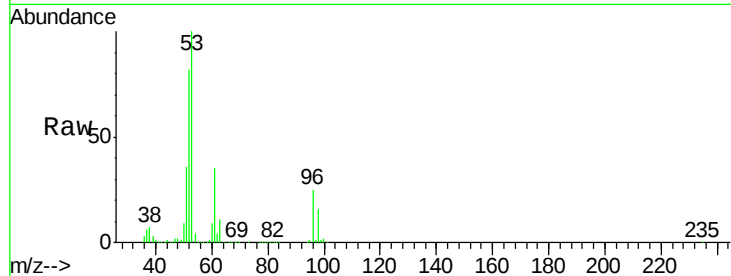
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	438322
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.2	99.2
51	35.9	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 257.75 ug/l

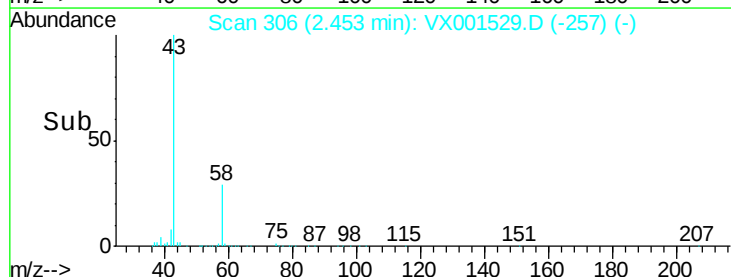
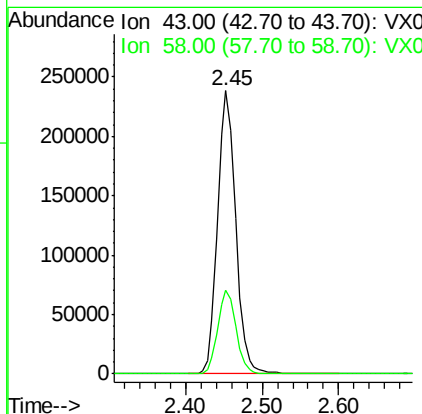
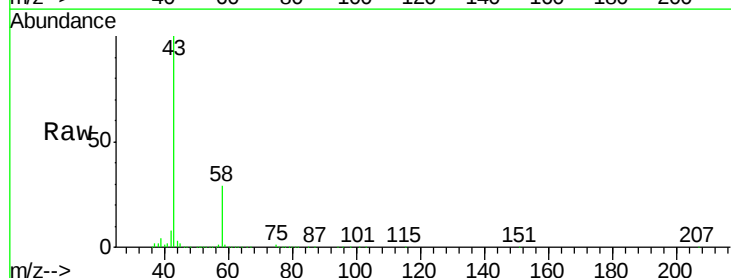
RT: 2.45 min Scan# 306

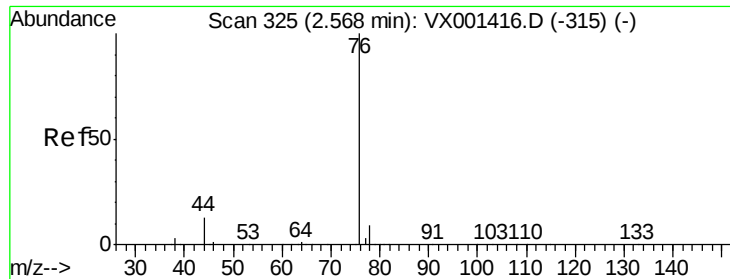
Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Tgt Ion:	43	Resp:	390107
Ion Ratio	Lower	Upper	
43	100		
58	29.5	23.8	35.8





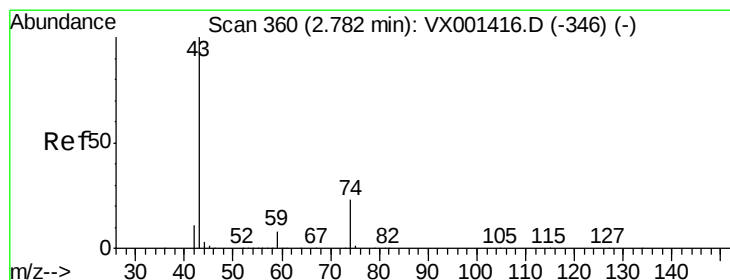
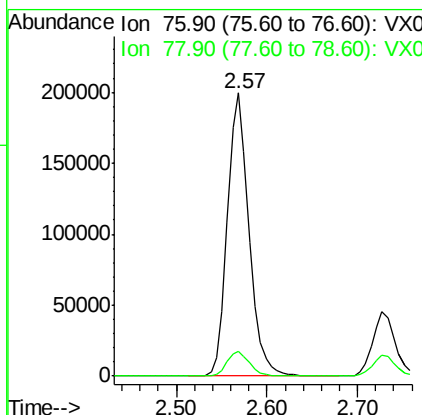
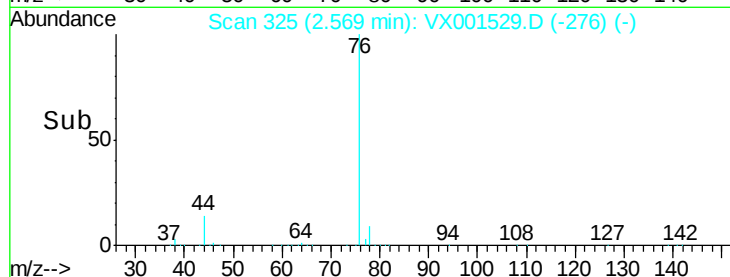
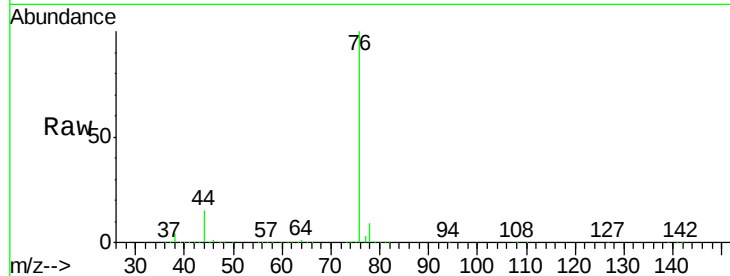
#17
Carbon Disulfide
Concen: 50.47 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

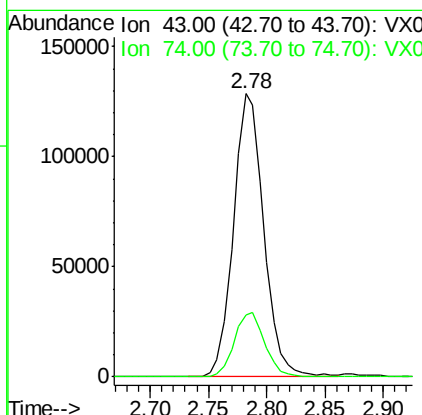
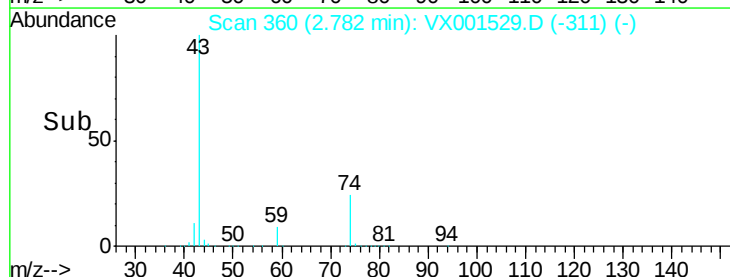
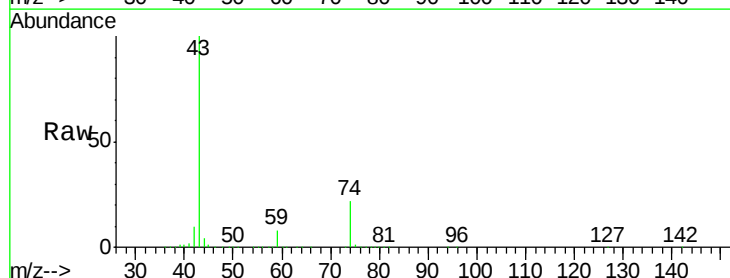
Manual Integrations
APPROVED

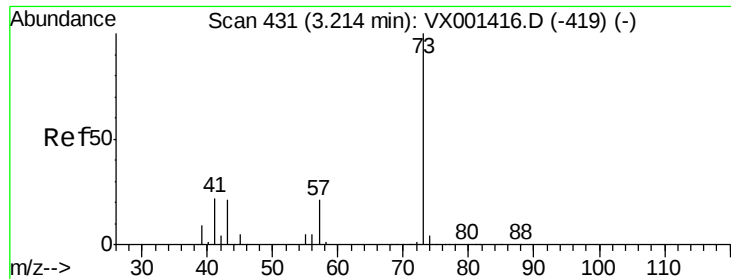
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#18
Methyl Acetate
Concen: 58.08 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.6	27.8





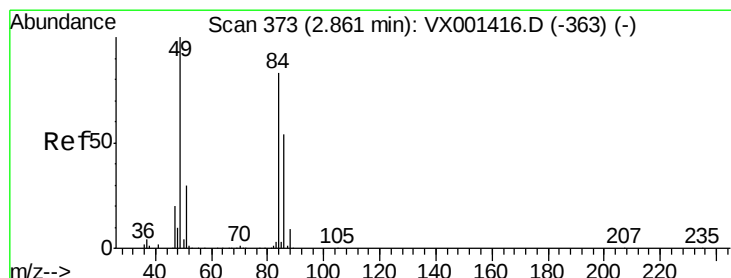
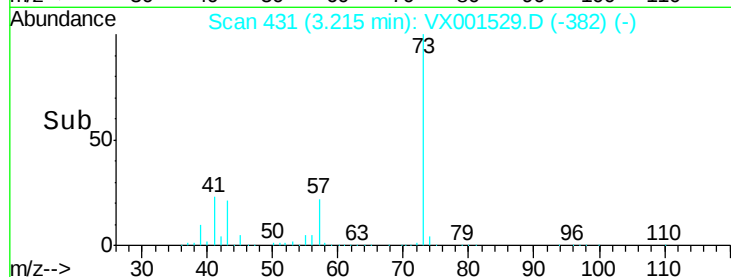
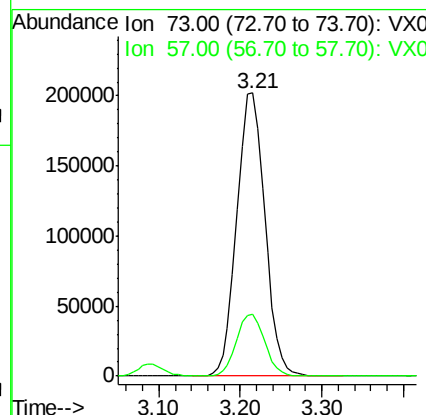
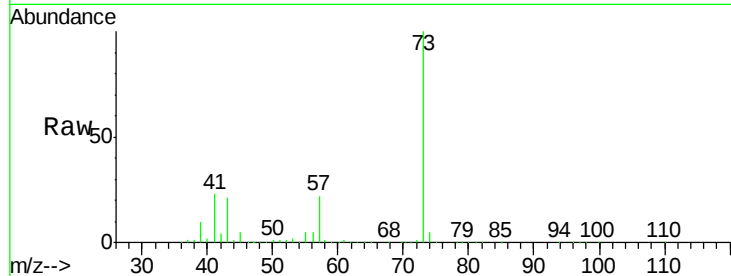
#19
Methvl tert-butvl Ether
Concen: 53.99 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 482344
Ion Ratio Lower Upper
73 100
57 22.1 17.0 25.6

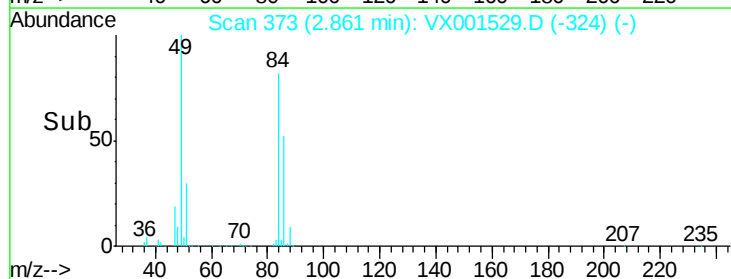
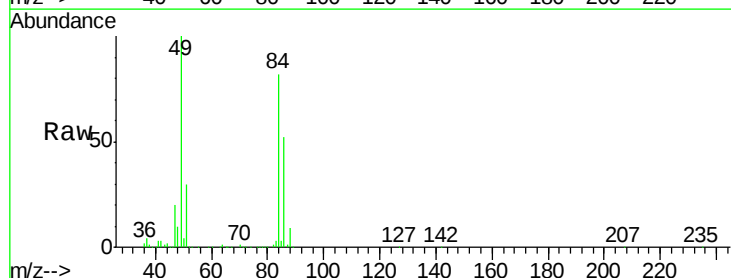
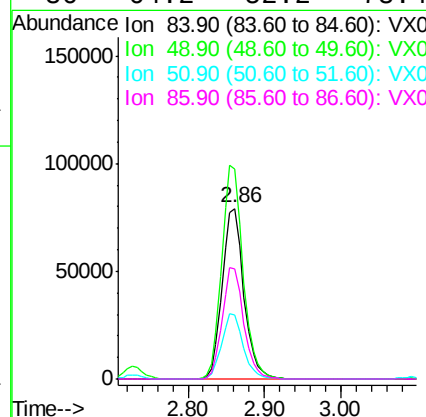
Manual Integrations
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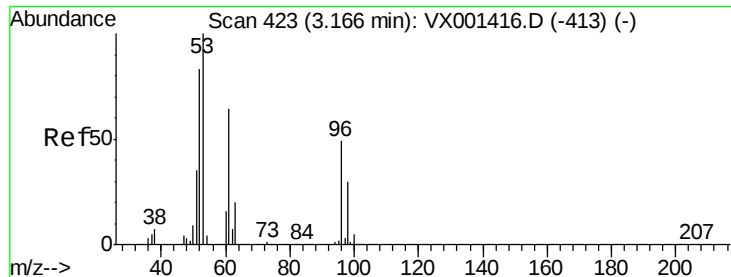
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#20
Methylene Chloride
Concen: 51.68 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion: 84 Resp: 154863
Ion Ratio Lower Upper
84 100
49 122.7 96.6 144.8
51 37.3 29.0 43.4
86 64.2 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 51.22 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

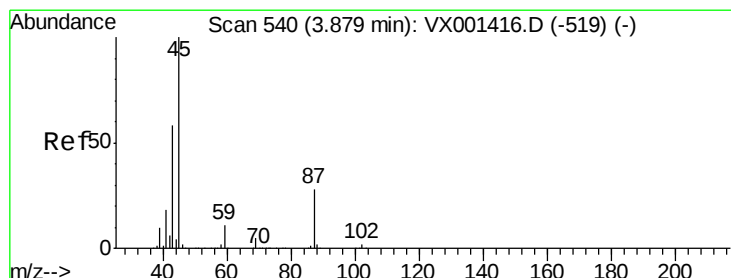
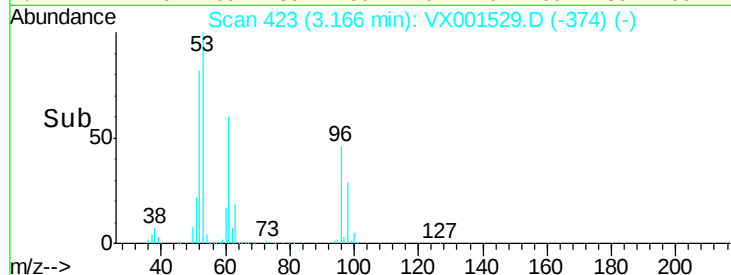
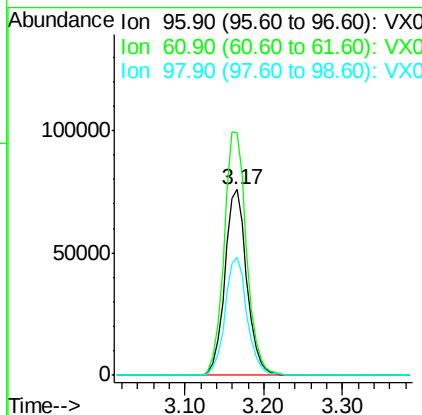
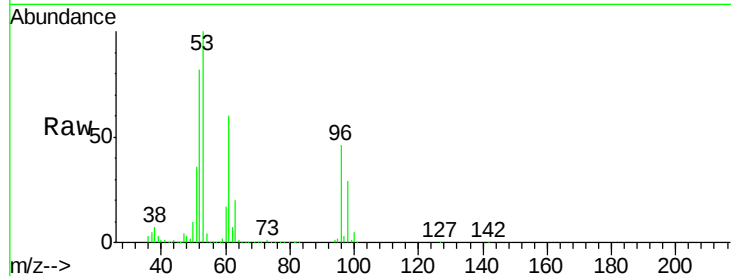
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	146692
Ion	Ratio	Lower	Upper
96	100		
61	130.1	105.0	157.4
98	63.8	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.33 ug/l

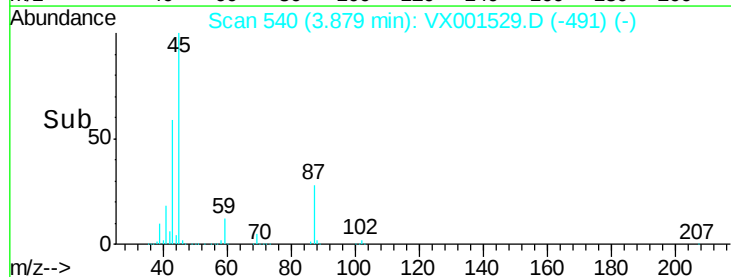
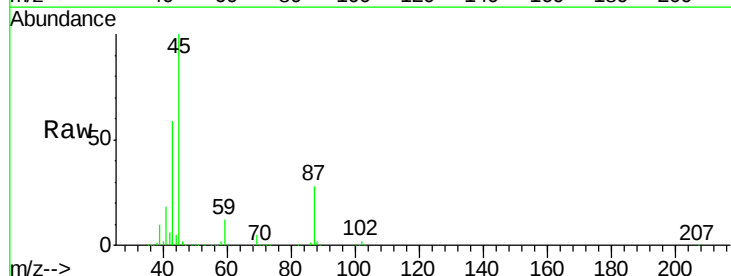
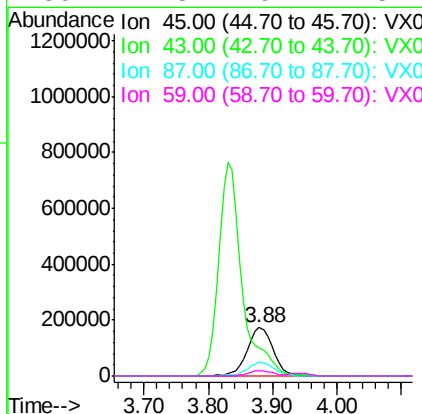
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Tgt Ion:	45	Resp:	476729
Ion	Ratio	Lower	Upper
45	100		
43	59.0	46.5	69.7
87	28.3	22.6	34.0
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 264.88 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1973323

Ion Ratio Lower Upper

43 100

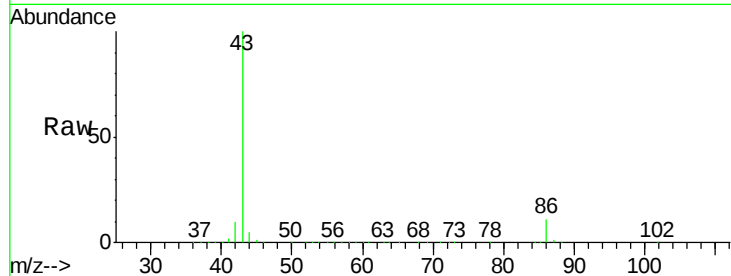
86 10.9 8.6 13.0

Manual Integrations

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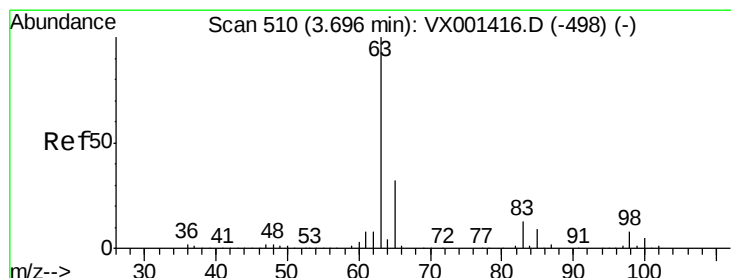
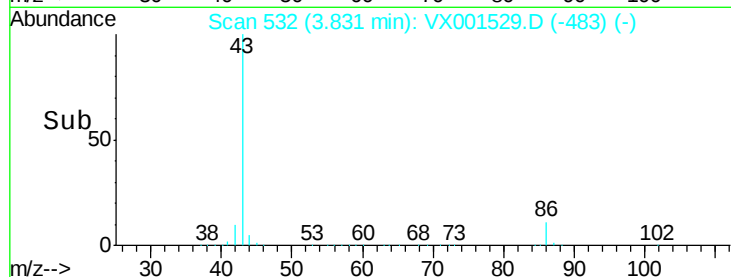
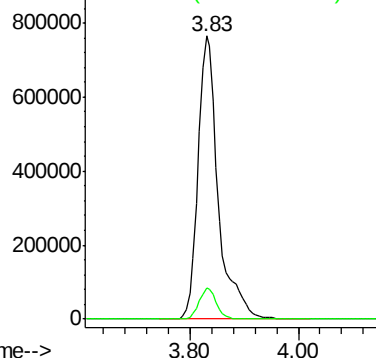
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 54.66 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

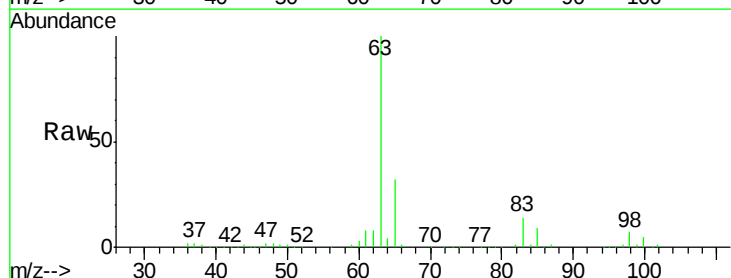
Tgt Ion: 63 Resp: 272932

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

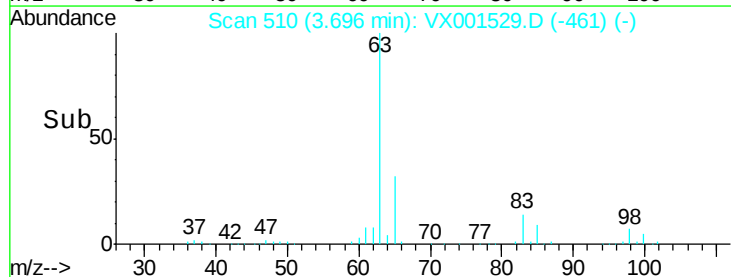
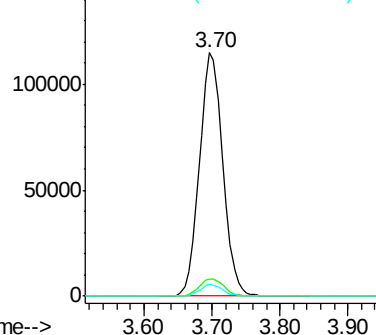
100 4.7 2.4 7.1

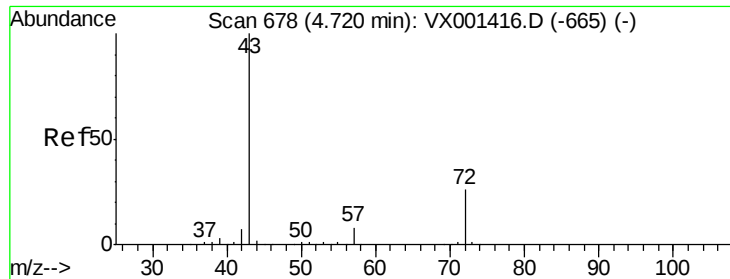


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 268.43 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 587270

Ion Ratio Lower Upper

43 100

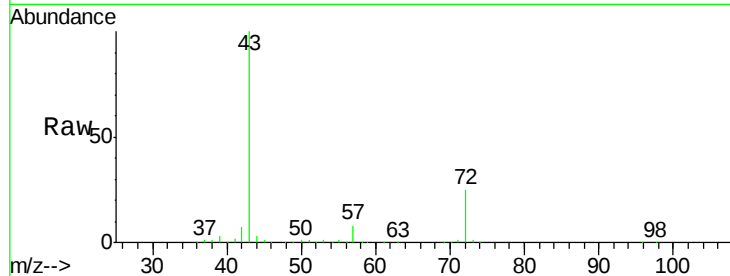
72 25.2 20.7 31.1

Manual Integrations

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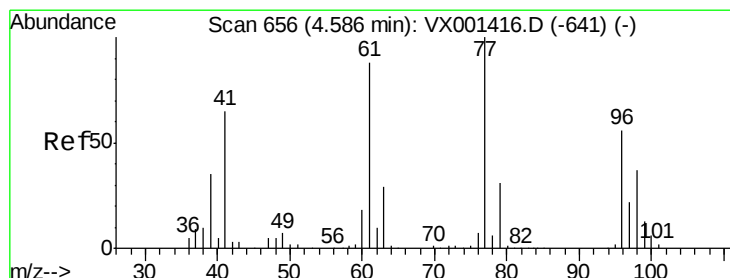
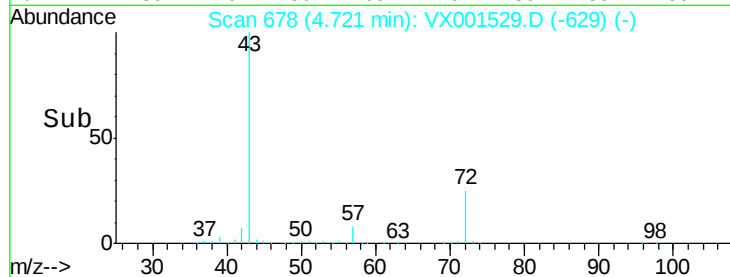
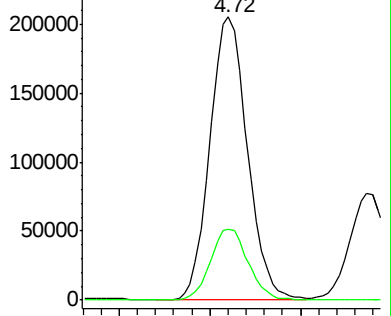
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 40.90 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001529.D

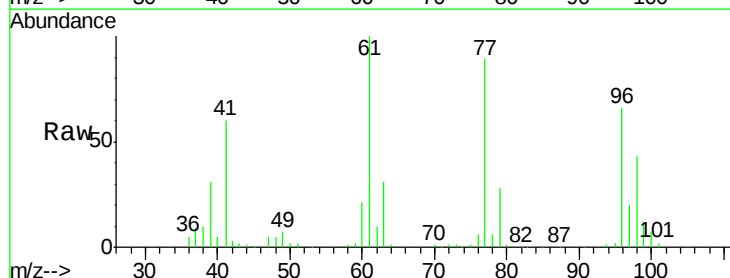
Acq: 08 May 2018 22:28

Tgt Ion: 77 Resp: 157718

Ion Ratio Lower Upper

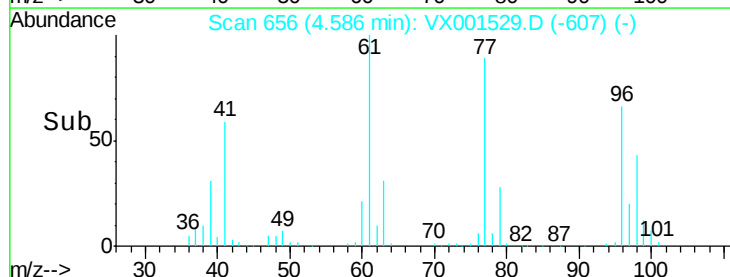
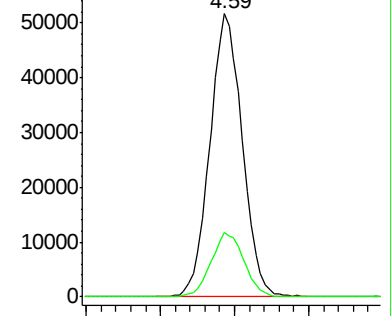
77 100

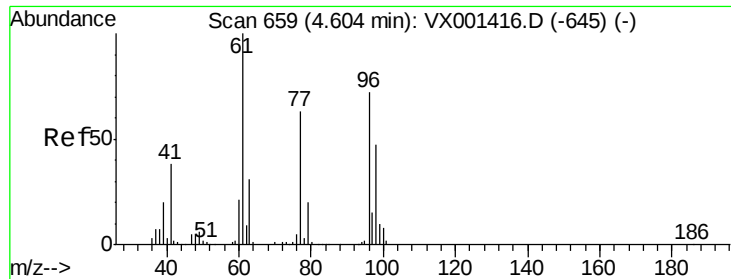
97 23.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 52.30 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

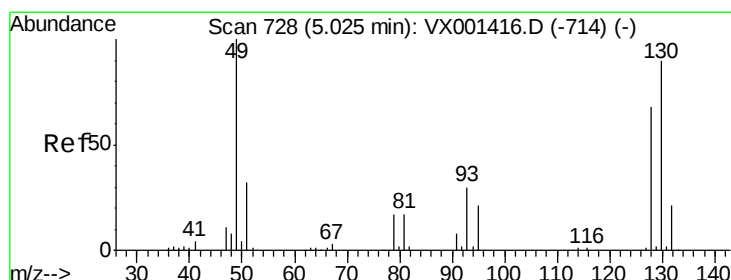
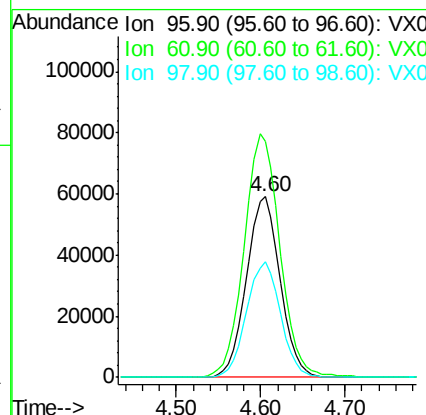
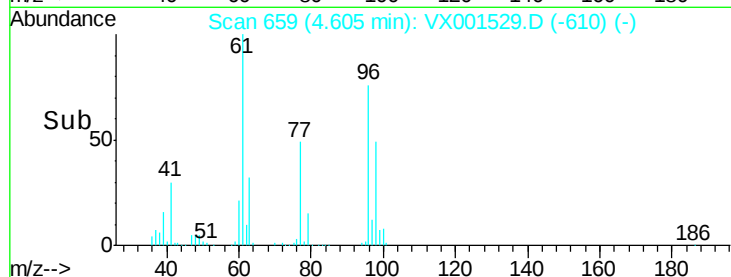
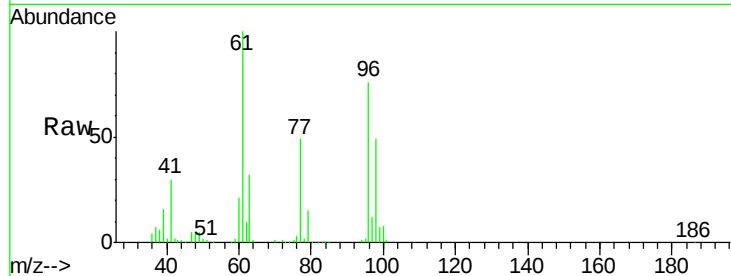
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	159500
Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	301.6
98	65.1	0.0	131.6

Manual Integrations
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#28

Bromochloromethane

Concen: 54.96 ug/l

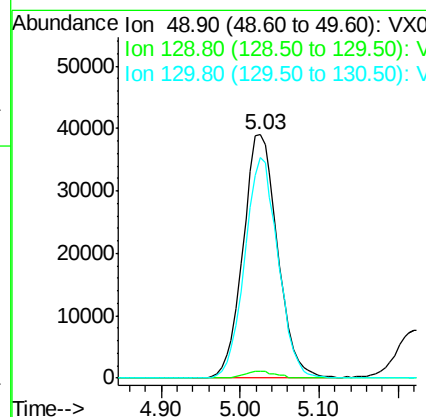
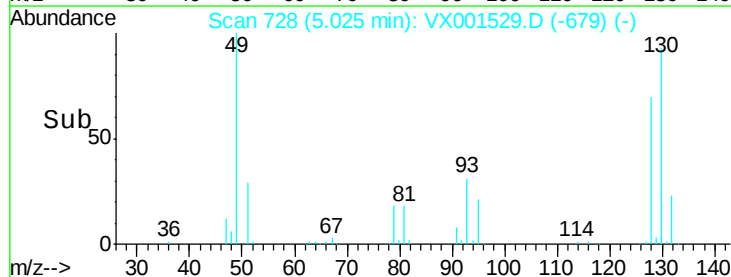
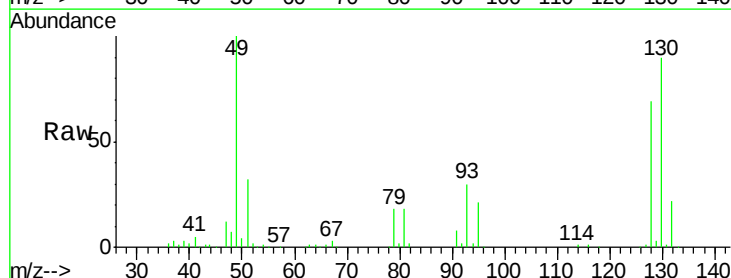
RT: 5.03 min Scan# 728

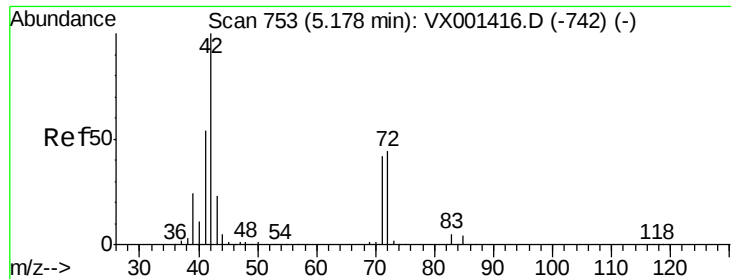
Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Tgt Ion:	49	Resp:	119000
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	87.3	71.9	107.9





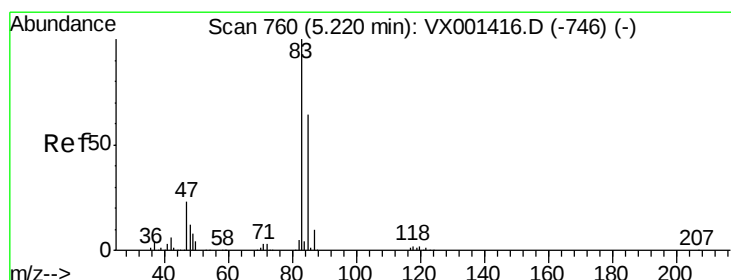
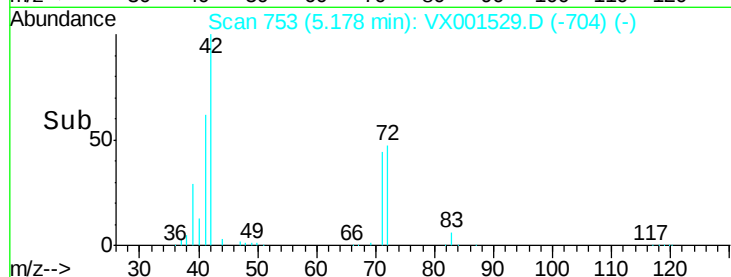
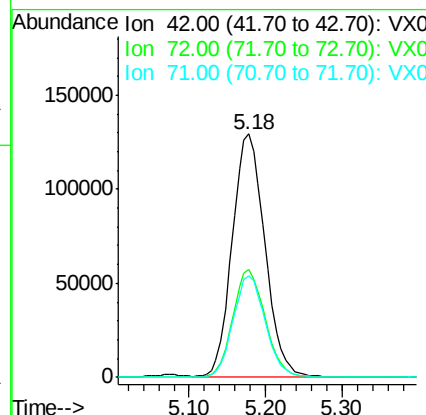
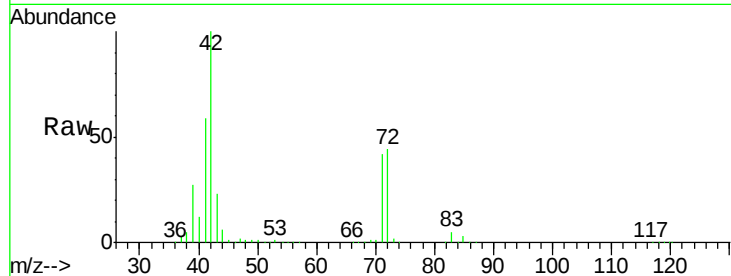
#29
Tetrahydrofuran
Concen: 272.38 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.4	53.2
71	41.4	33.0	49.4

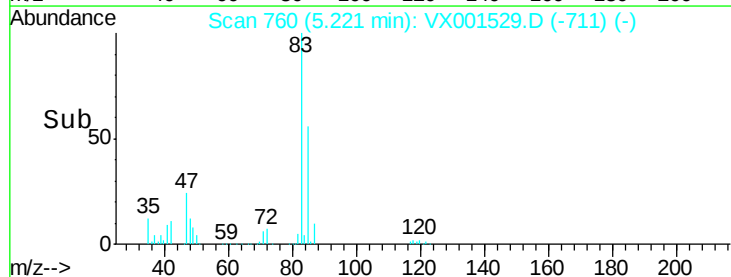
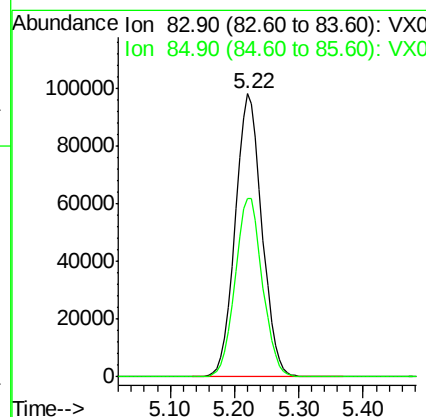
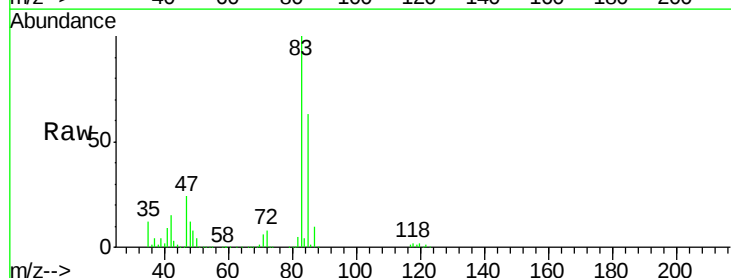
Manual Integrations
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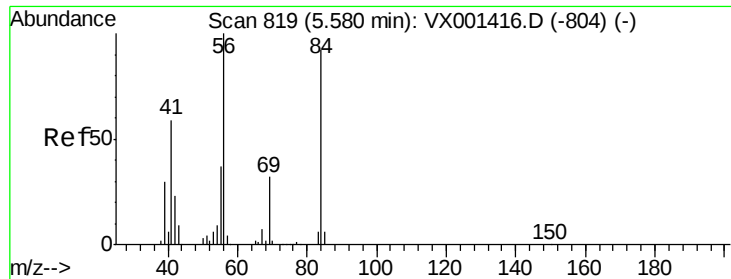
MMDadoda
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#30
Chloroform
Concen: 55.08 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.0	76.4





#31

Cyclohexane

Concen: 52.29 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

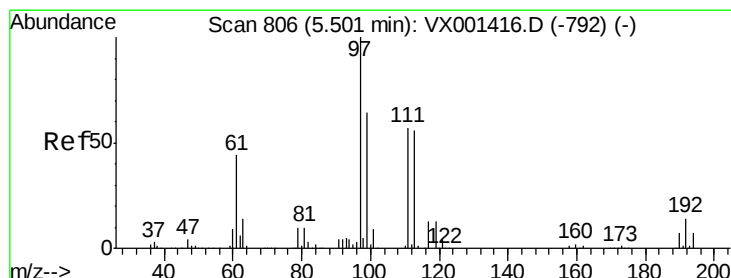
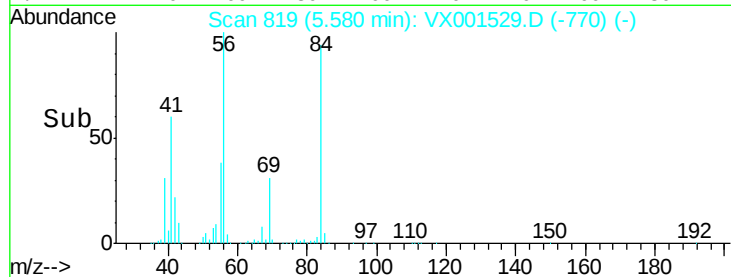
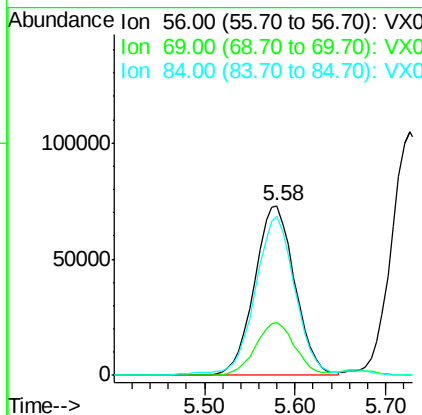
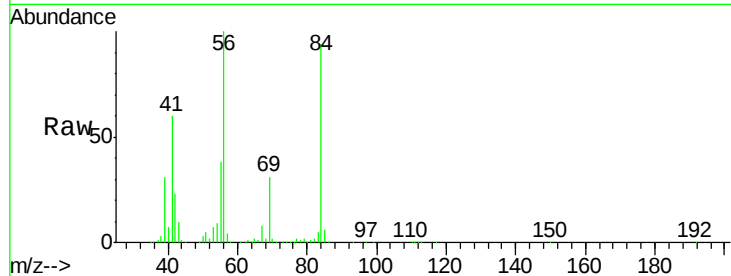
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	224287
Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.4	38.0
84	92.4	73.8	110.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.67 ug/l

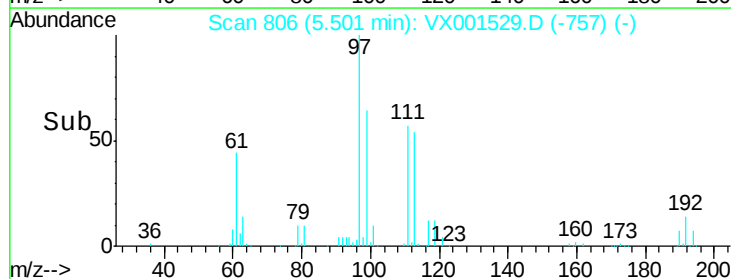
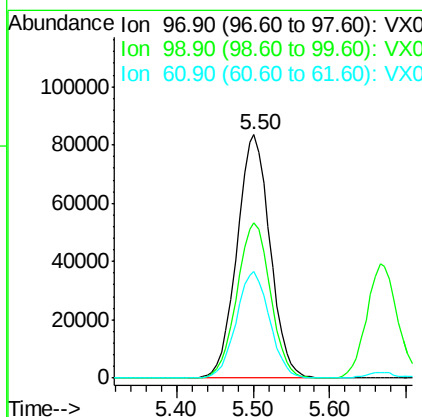
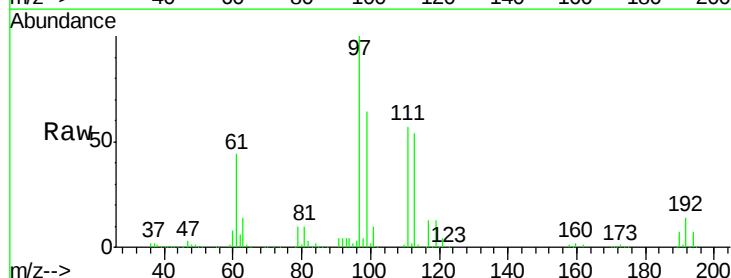
RT: 5.50 min Scan# 806

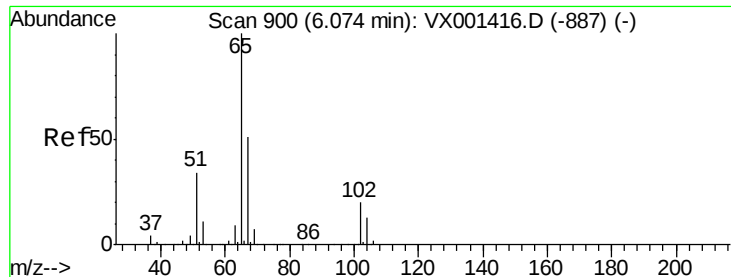
Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Tgt Ion:	97	Resp:	250264
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	44.3	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 51.92 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 173053

Ion Ratio Lower Upper

65 100

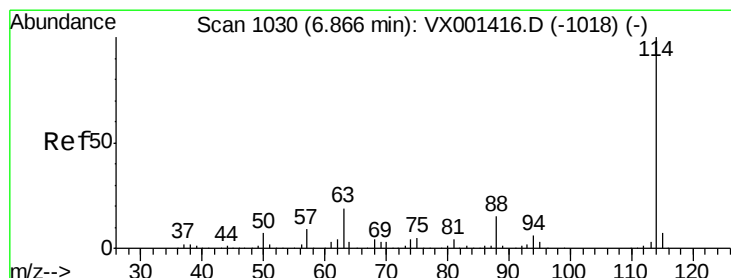
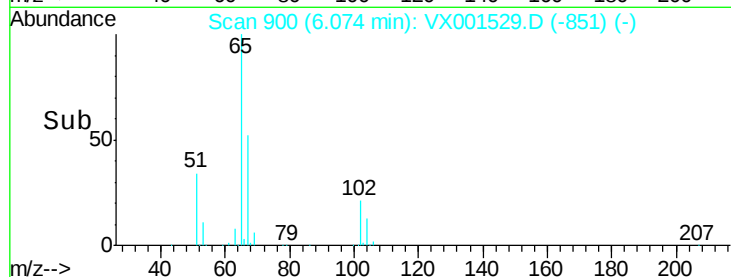
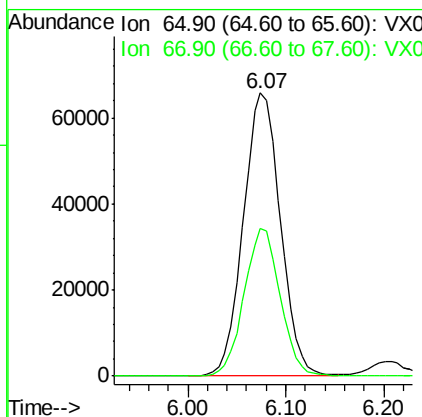
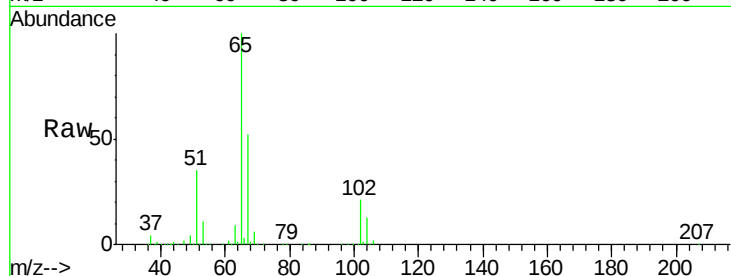
67 50.8 0.0 101.8

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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: VX001529.D

Acq: 08 May 2018 22:28

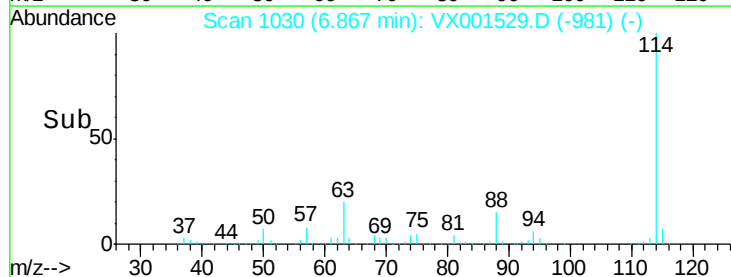
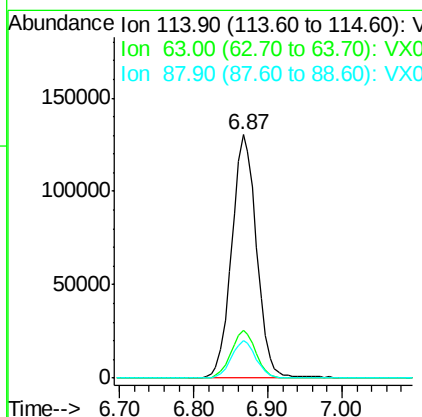
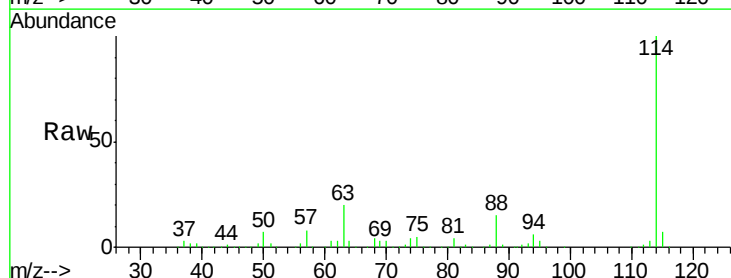
Tgt Ion: 114 Resp: 305722

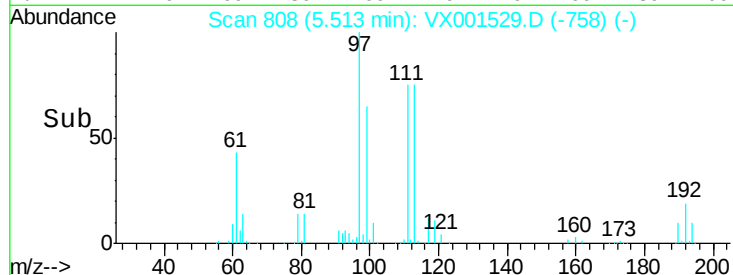
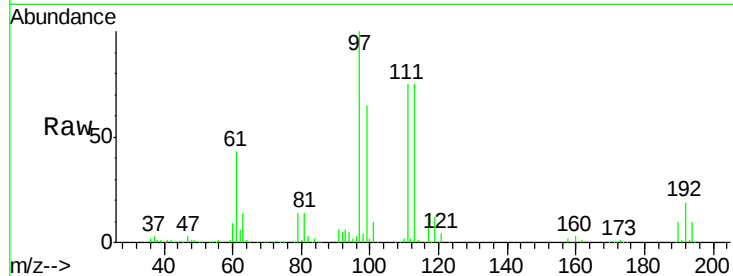
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.5 0.0 30.8





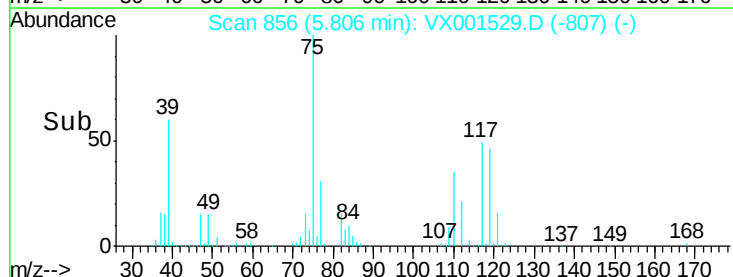
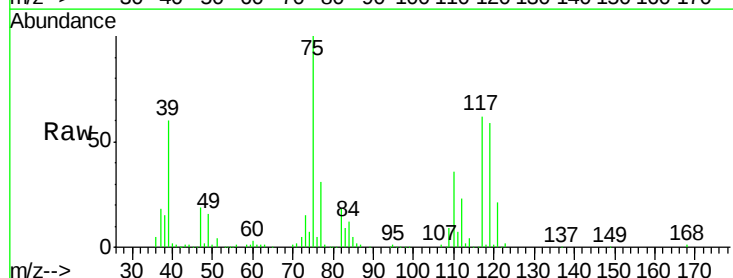
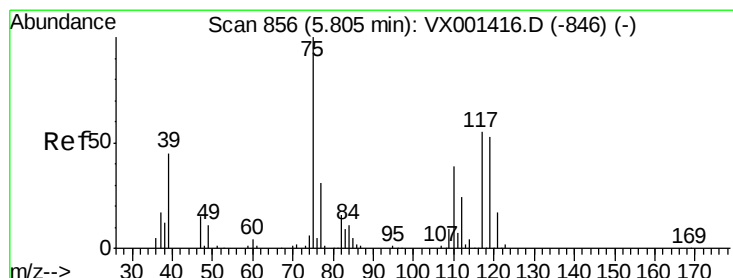
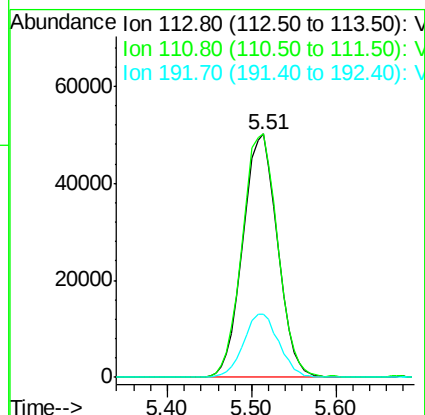
#35
Dibromofluoromethane
Concen: 51.51 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140077		
111	102.6	82.2	123.2	
192	26.4	21.4	32.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

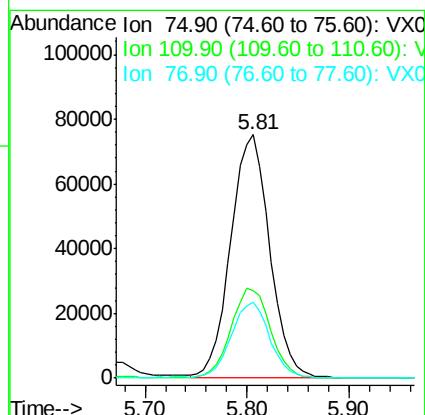
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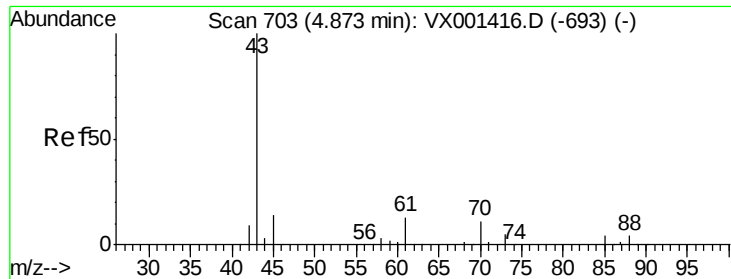
MMDadoda
5/10/2018 1:11:29 PM



#36
1,1-Dichloropropene
Concen: 51.01 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198369		
110	37.6	18.9	56.7	
77	30.8	24.9	37.3	





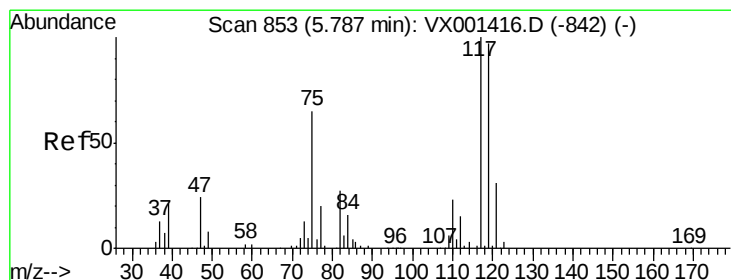
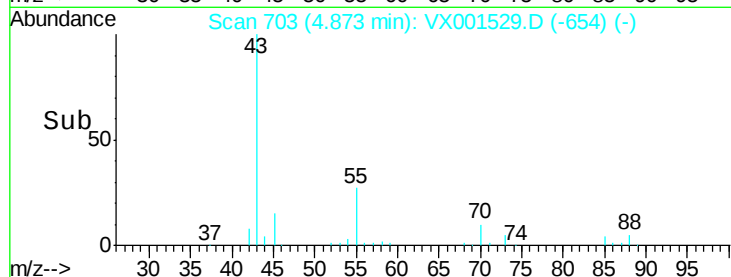
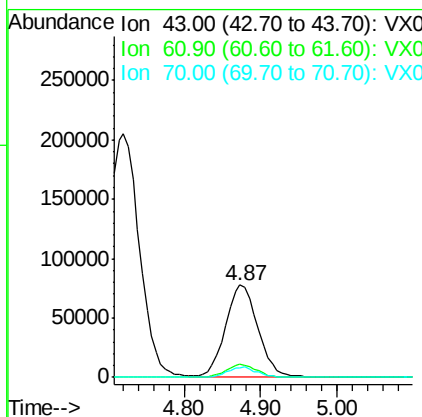
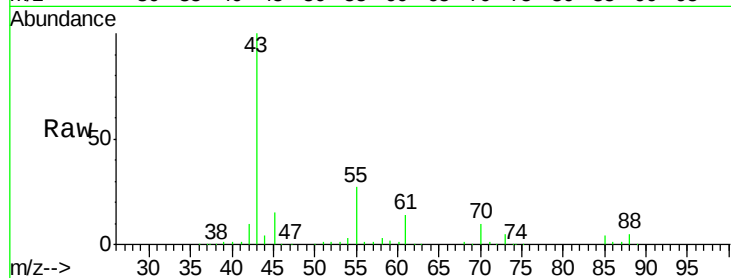
#37
Ethyl Acetate
Concen: 53.34 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.7	16.1
70	10.4	8.4	12.6

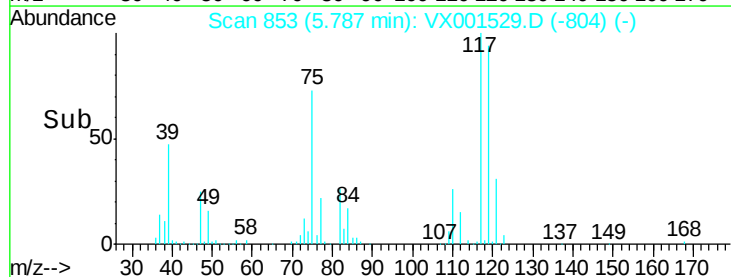
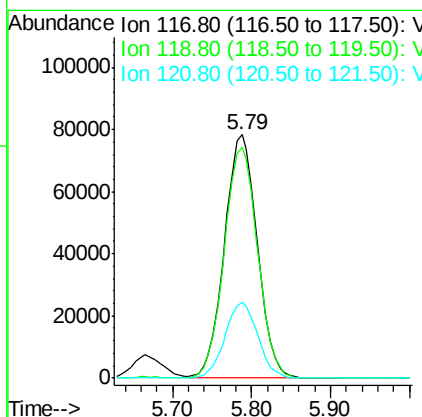
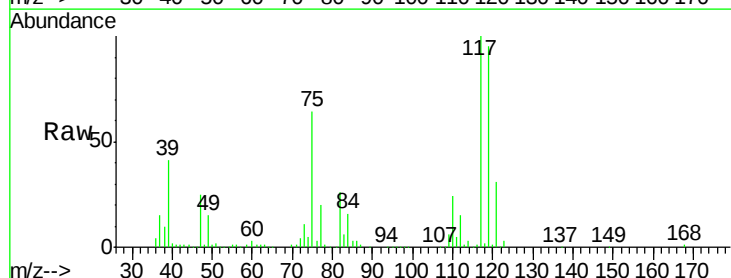
Manual Integrations
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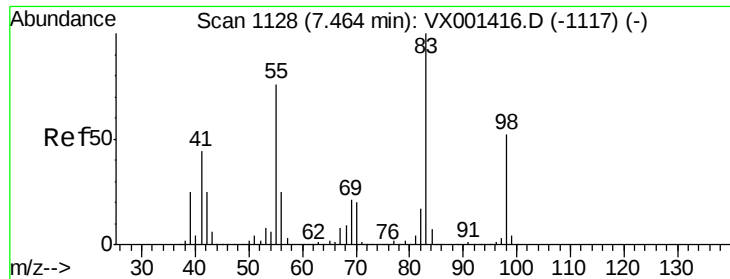
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#38
Carbon Tetrachloride
Concen: 54.73 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.0	115.6
121	31.4	25.1	37.7





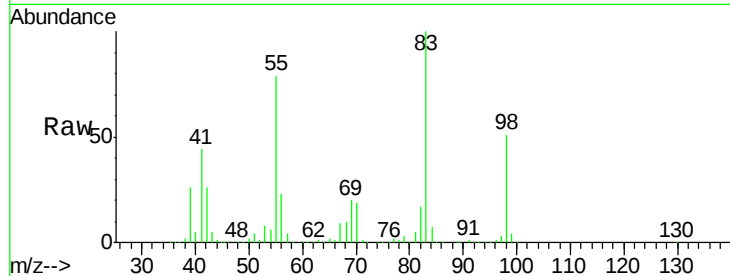
#39
Methvlcvclohexane
Concen: 50.30 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

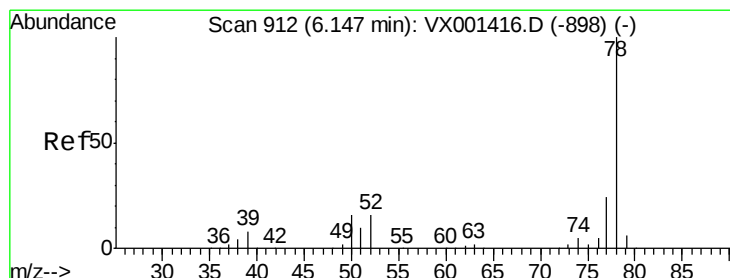
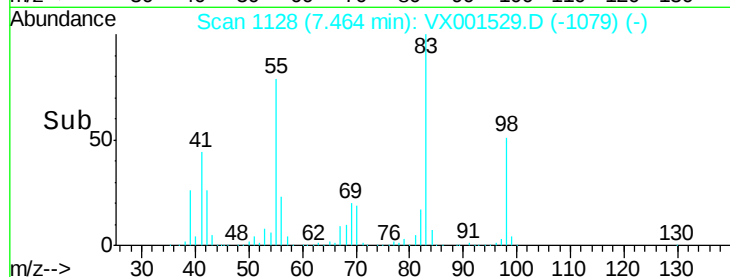
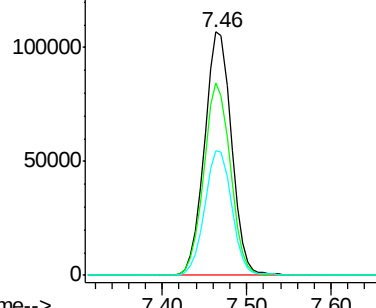
Tot Ion	Ratio	Resp	Lower	Upper
83	100	231243		
55	78.9	60.9	91.3	
98	50.9	41.9	62.9	

Manual Integrations
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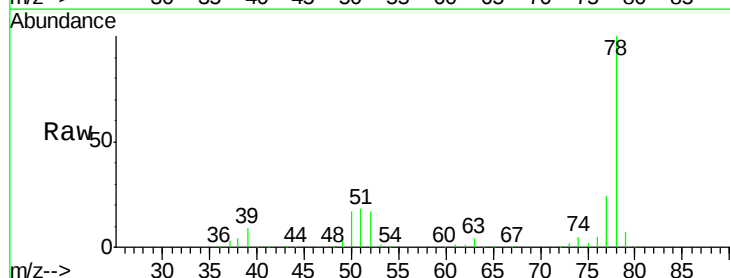


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

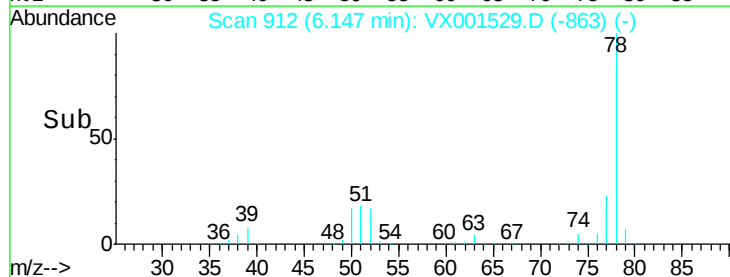
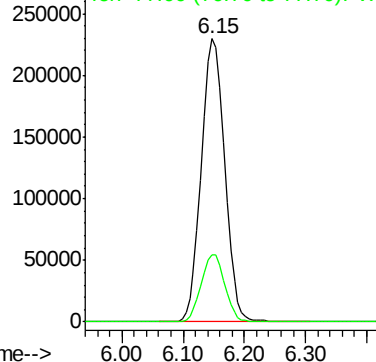


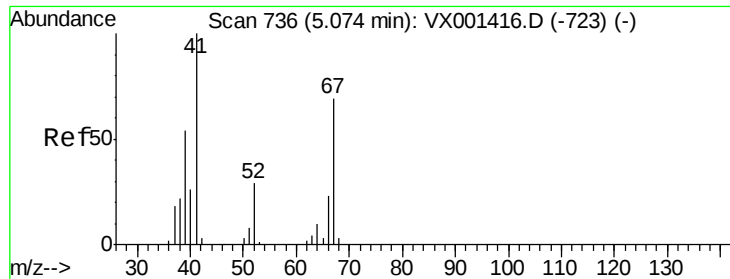
#40
Benzene
Concen: 53.35 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	605948		
77	23.9	19.4	29.2	



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





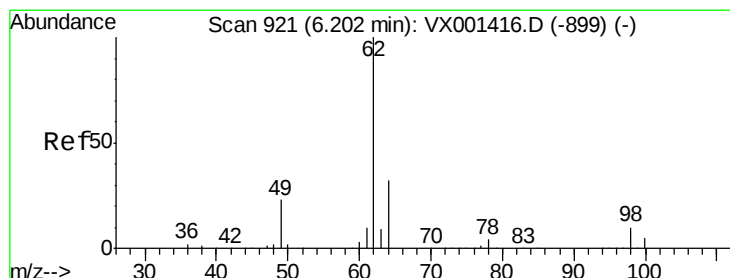
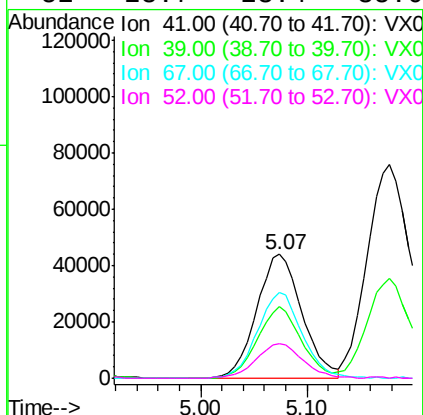
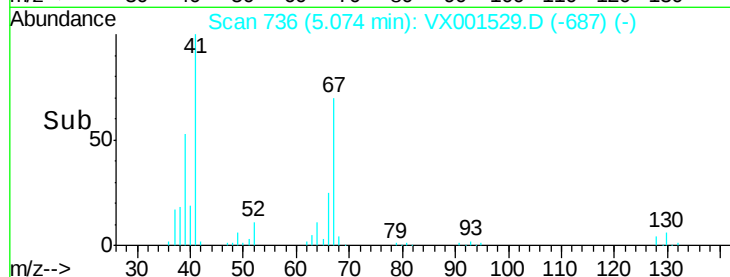
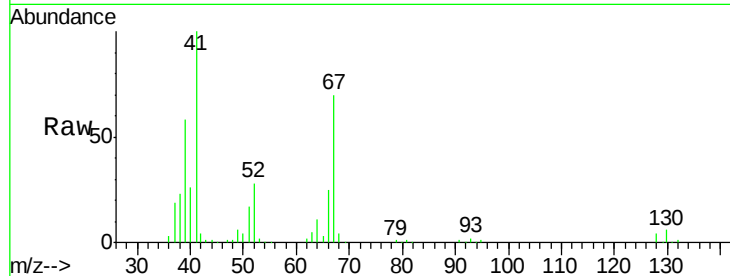
#41
Methacrylonitrile
Concen: 53.11 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	45.0	67.6
67	68.4	55.0	82.6
52	28.7	23.4	35.0

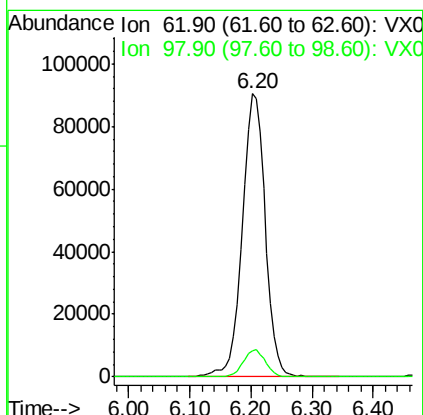
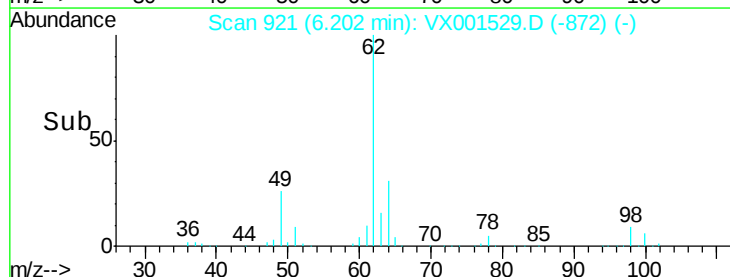
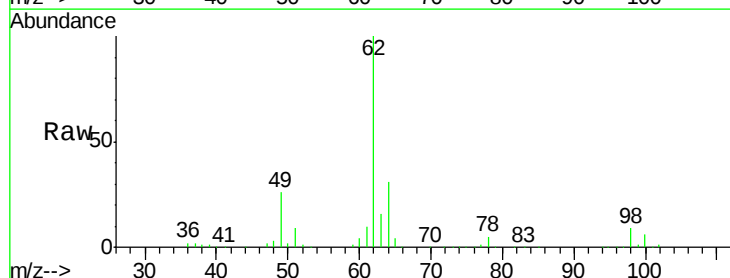
Manual Integrations
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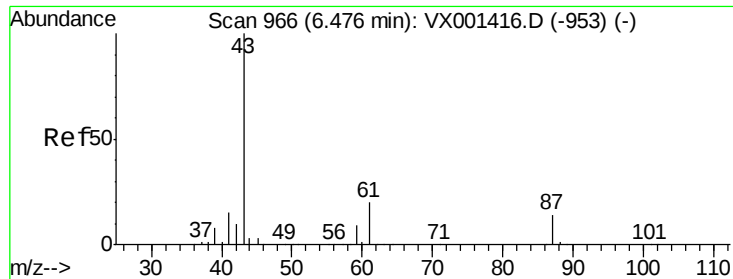
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.85 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0





#43

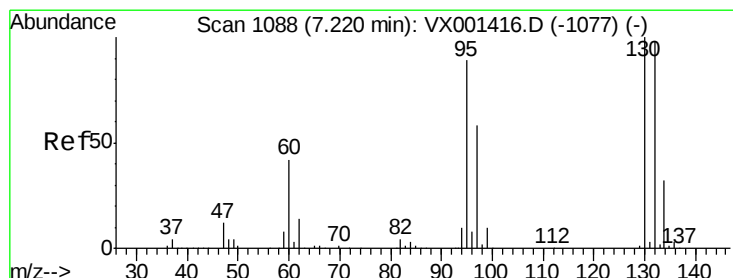
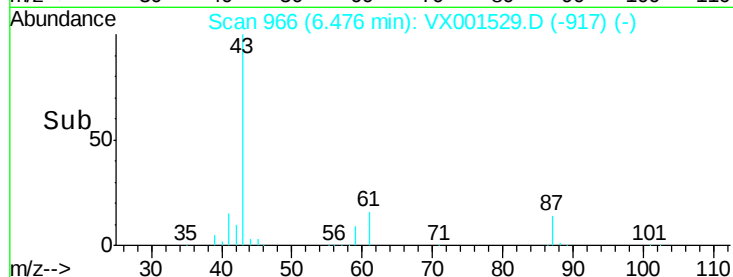
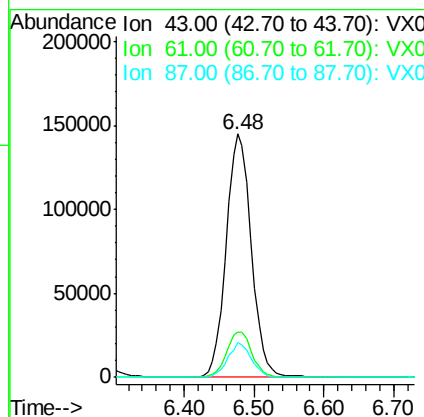
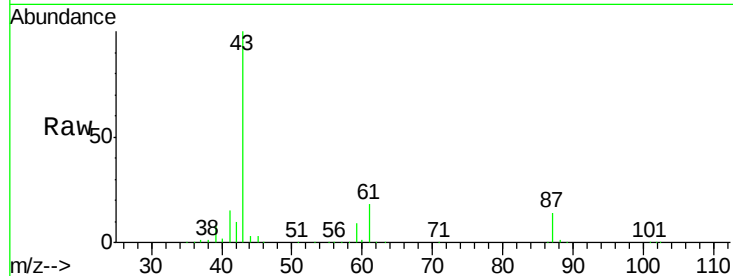
Isopropyl Acetate
 Concen: 54.96 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	13.5	10.8	16.2

Manual Integrations
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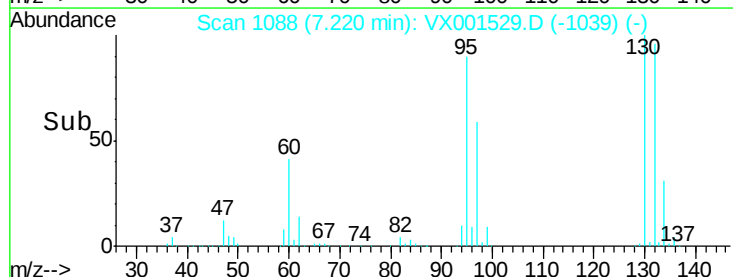
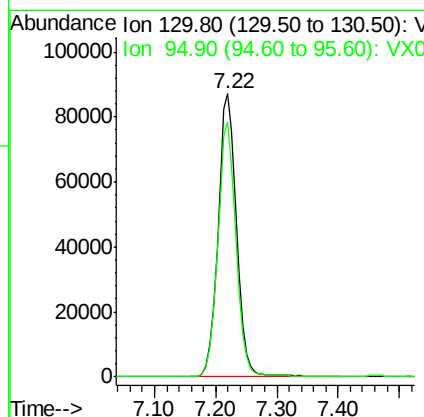
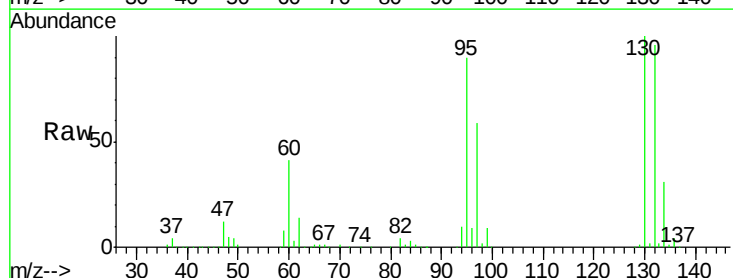
MMDadoda
 5/10/2018 1:11:29 PM

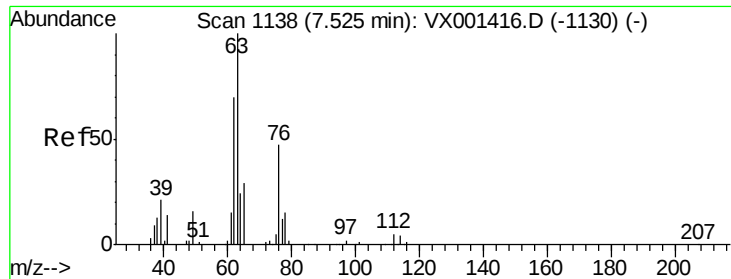


#44

Trichloroethene
 Concen: 53.32 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	178.4





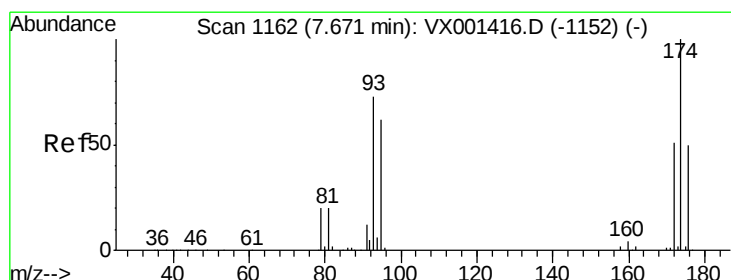
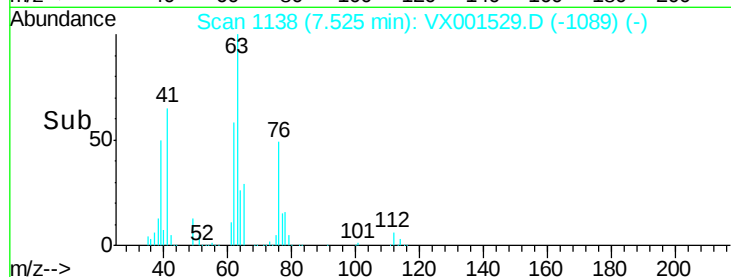
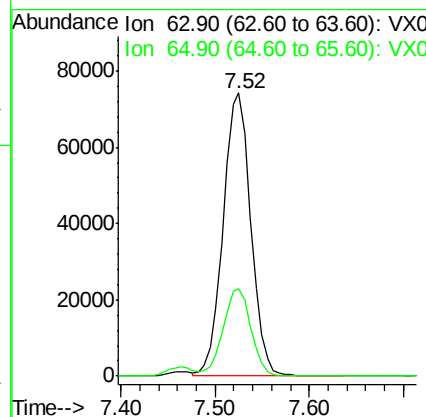
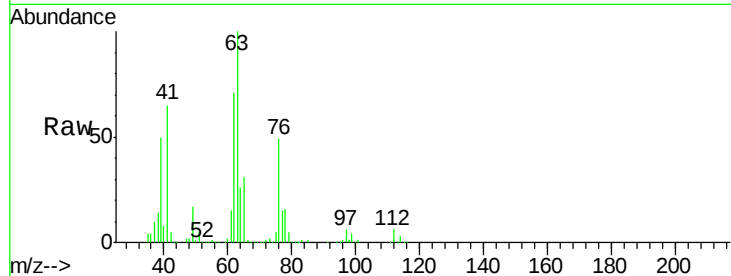
#45
 1,2-Dichloropropane
 Concen: 53.35 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 151080
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.5 36.7

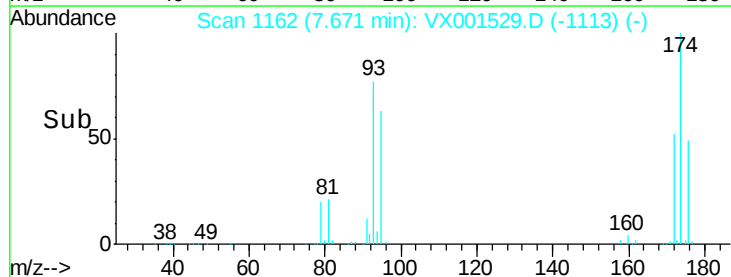
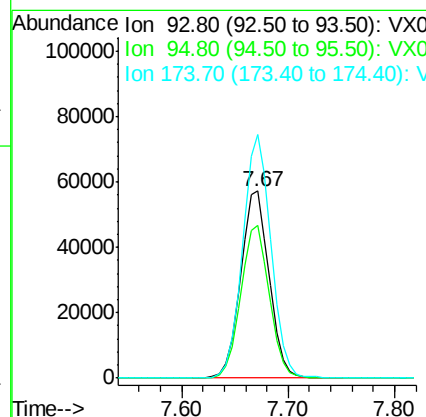
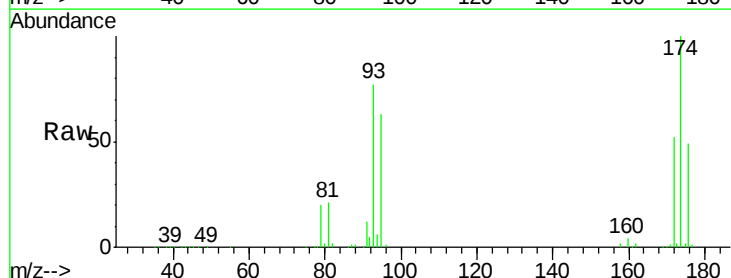
Manual Integrations
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#46
 Dibromomethane
 Concen: 53.73 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Tgt Ion: 93 Resp: 107712
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.0 100.4
 174 129.2 104.5 156.7





#47

Bromodichloromethane

Concen: 56.61 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

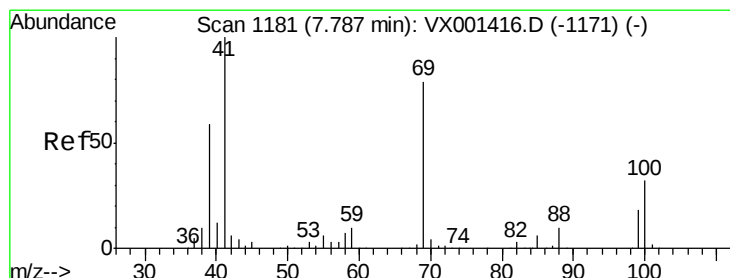
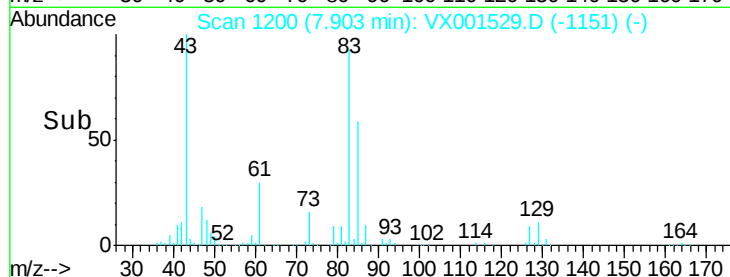
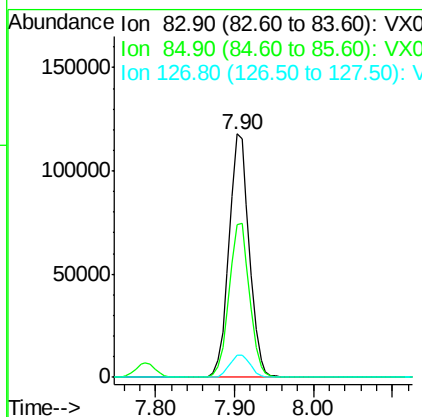
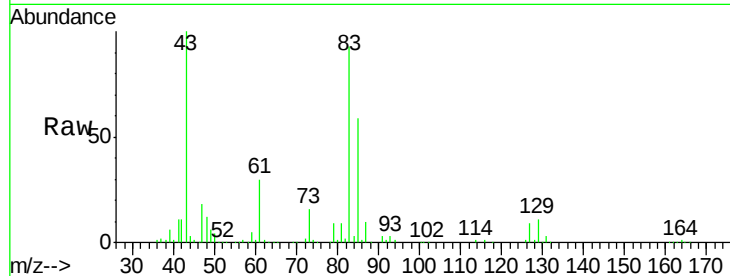
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	210045
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.0	76.6
127	9.2	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.16 ug/l

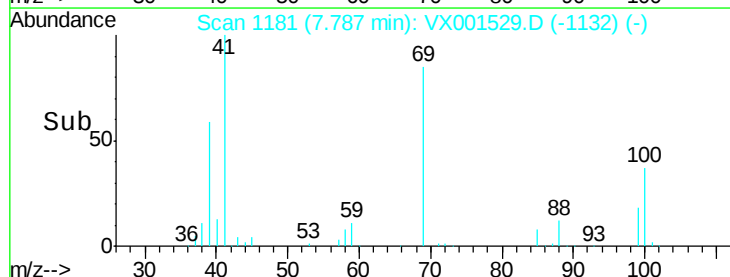
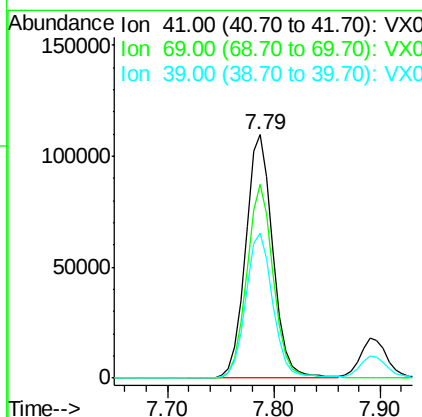
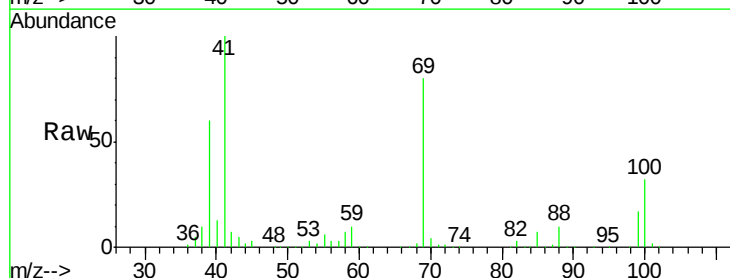
RT: 7.79 min Scan# 1181

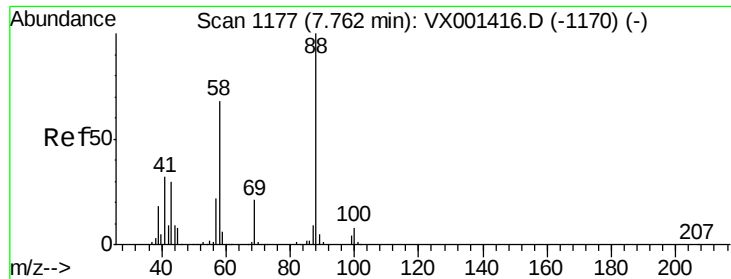
Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Tgt Ion:	41	Resp:	196541
Ion Ratio	Lower	Upper	
41	100		
69	78.2	63.4	95.2
39	59.4	47.0	70.4





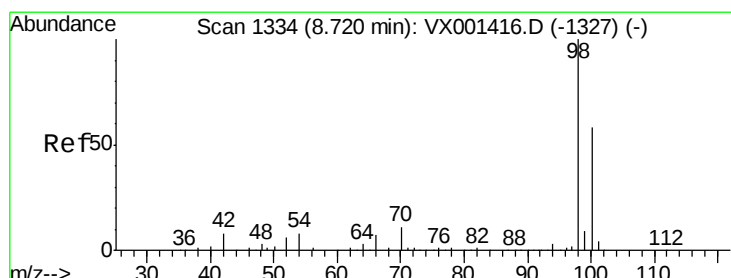
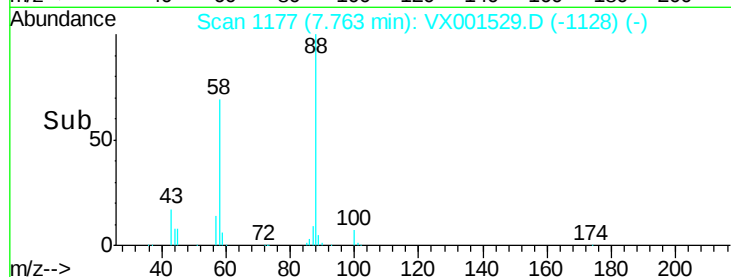
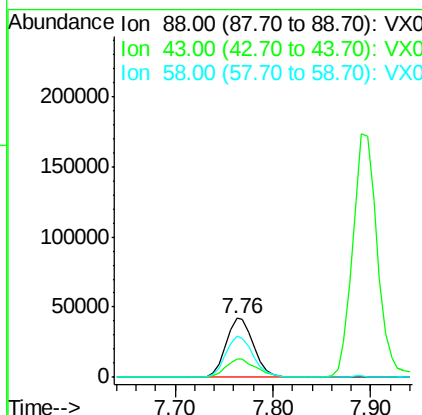
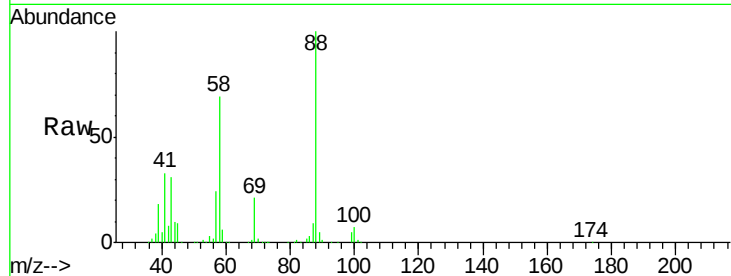
#49
1,4-Dioxane
Concen: 1070.24 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.4	39.6
58	68.9	54.1	81.1

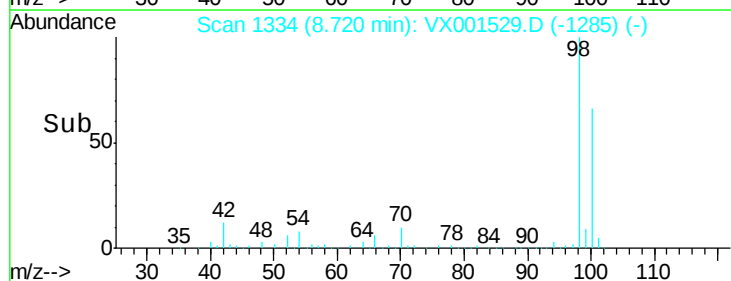
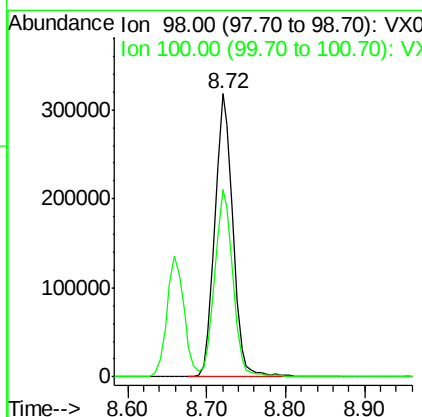
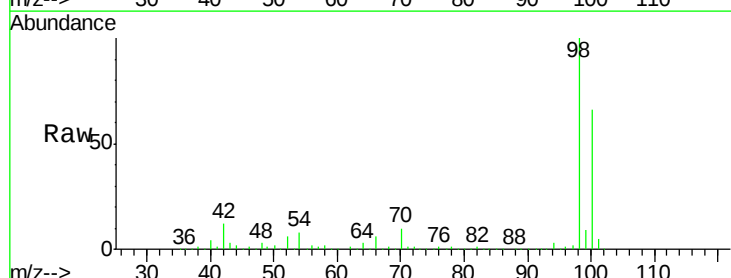
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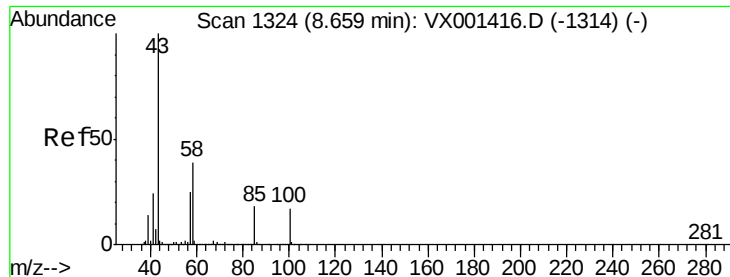
MMDadoda
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#50
Toluene-d8
Concen: 51.06 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	54.0	81.0





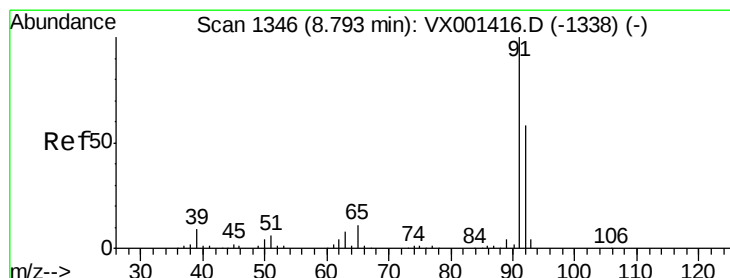
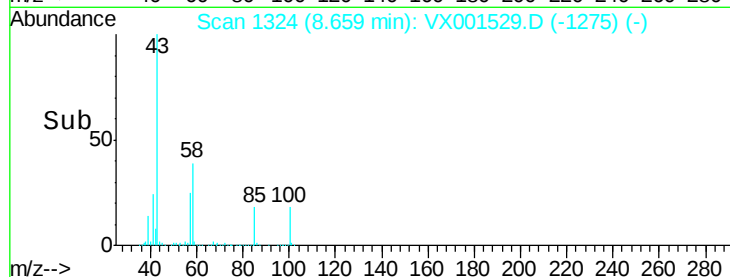
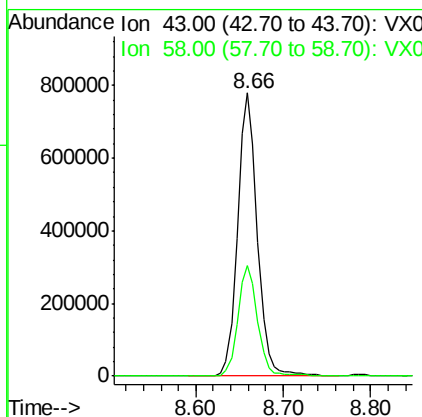
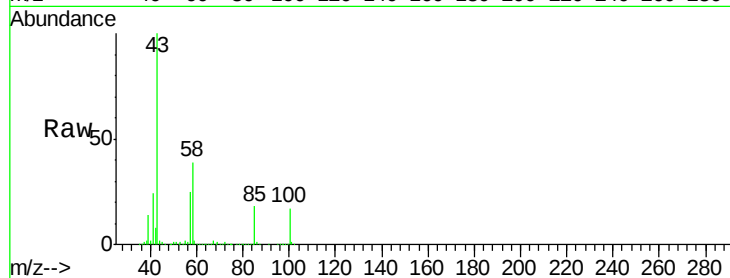
#51
 4-Methyl-2-Pentanone
 Concen: 281.49 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1224117
 Ion Ratio Lower Upper
 43 100
 58 39.4 30.8 46.2

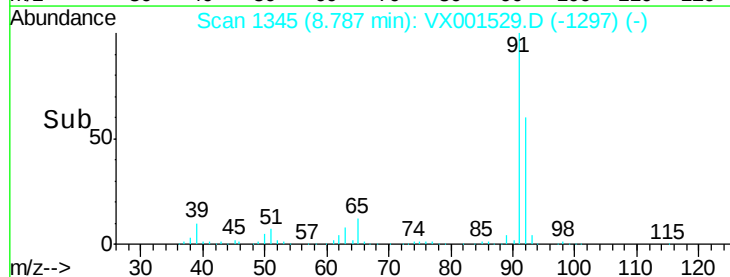
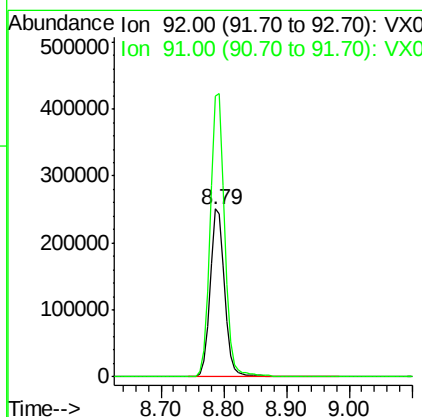
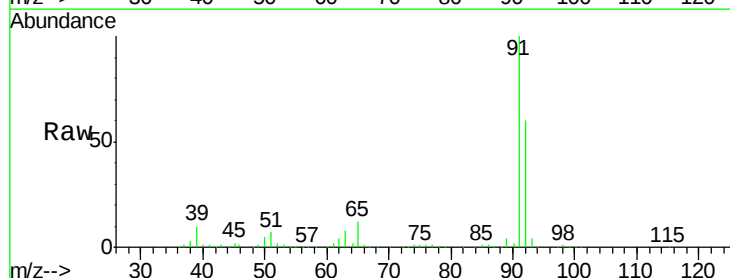
Manual Integrations
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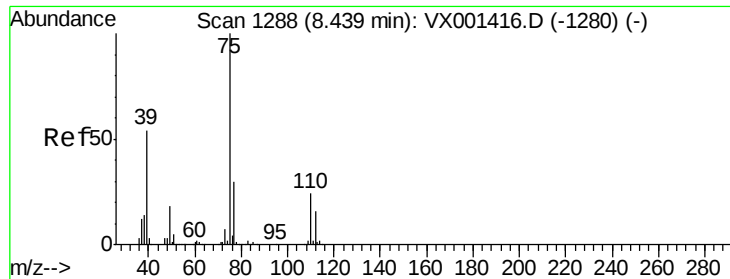
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#52
 Toluene
 Concen: 53.58 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Tgt Ion: 92 Resp: 397934
 Ion Ratio Lower Upper
 92 100
 91 170.2 135.2 202.8





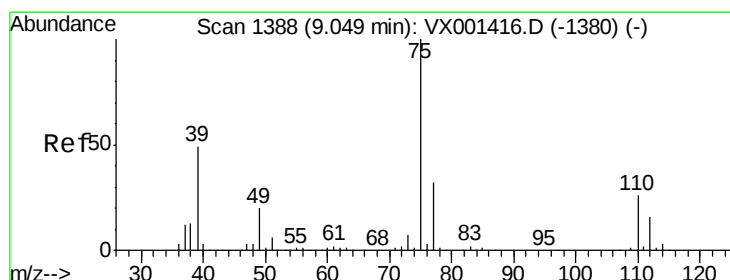
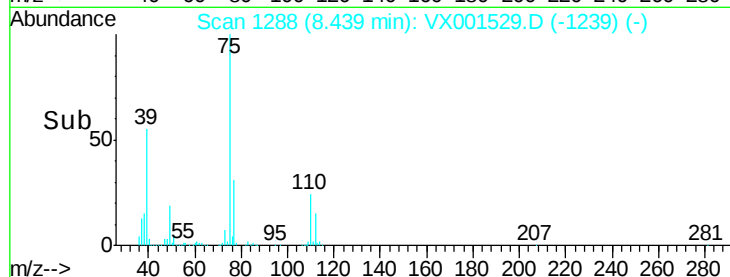
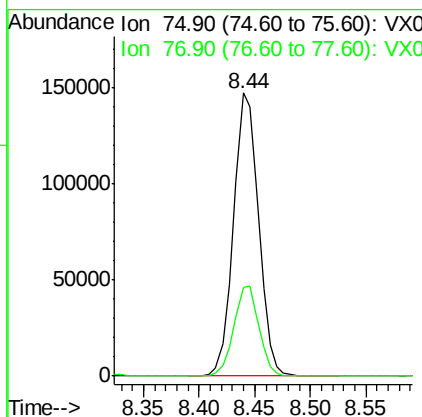
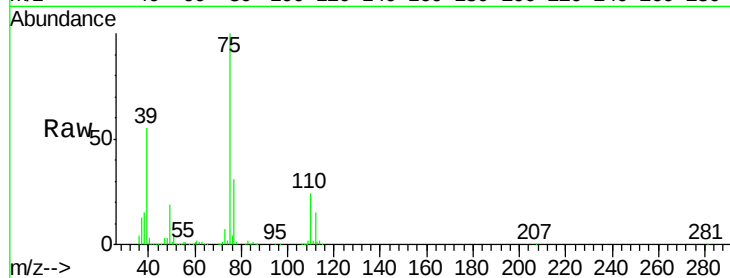
#53
t-1,3-Dichloropropene
Concen: 54.90 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.2	36.4

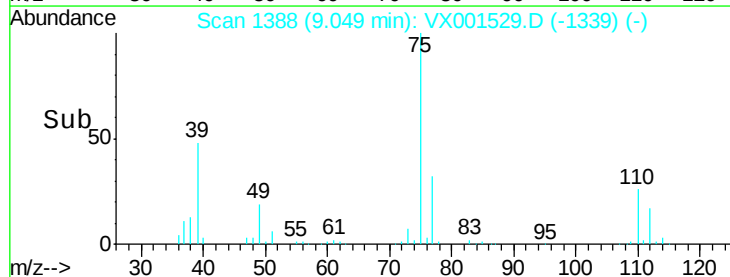
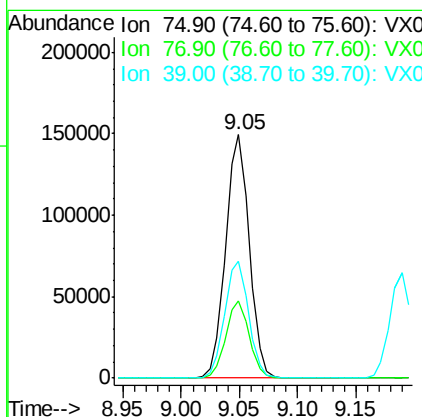
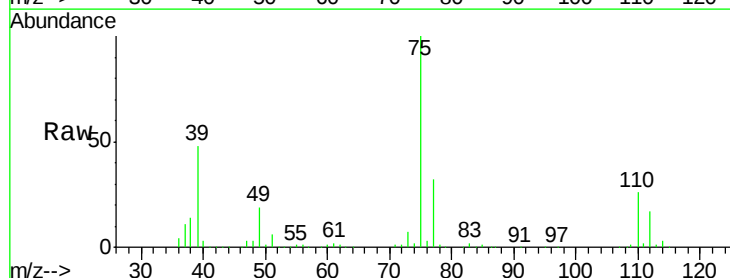
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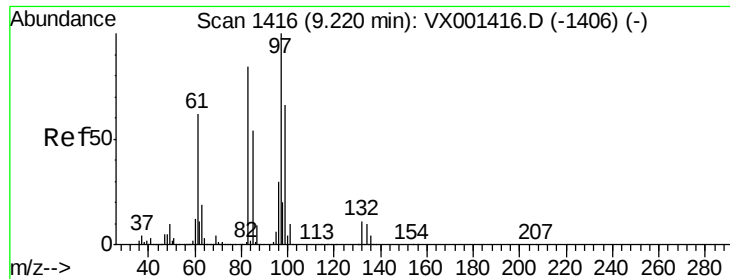
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.49 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	47.9	38.9	58.3





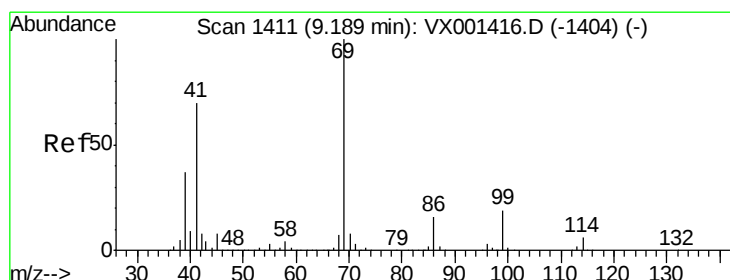
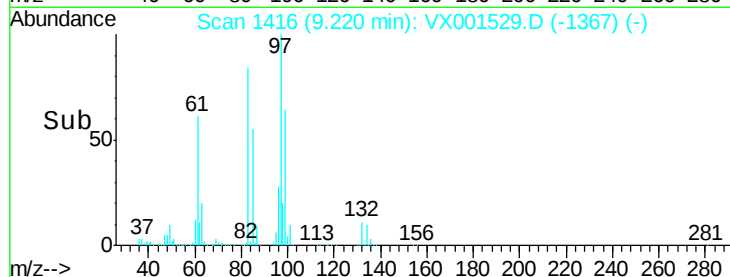
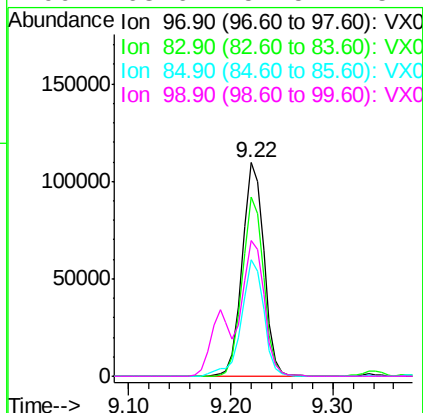
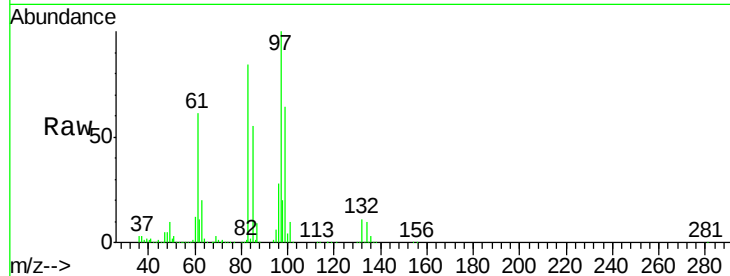
#55
 1,1,2-Trichloroethane
 Concen: 54.09 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	161858
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.4	101.0
85	54.6	43.3	64.9
99	63.6	52.5	78.7

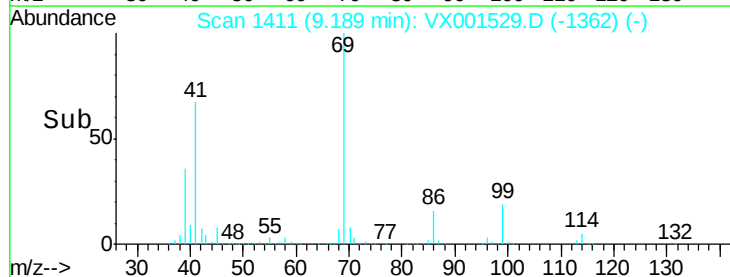
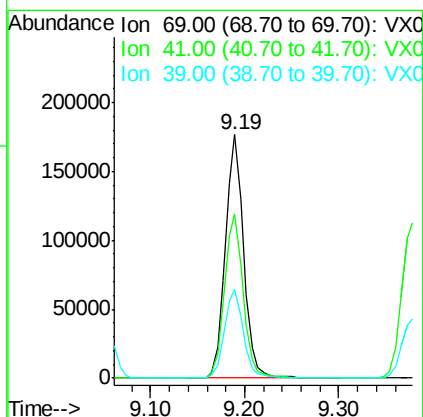
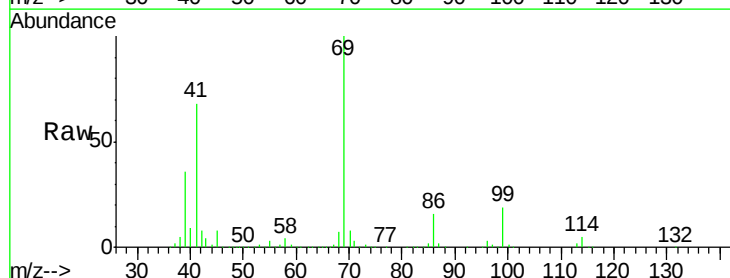
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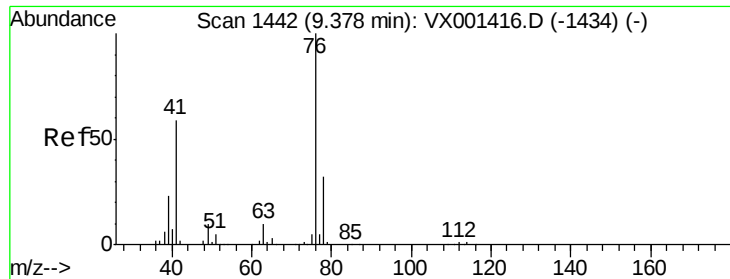
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#56
 Ethyl methacrylate
 Concen: 55.18 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Tgt Ion	69	Resp	237994
Ion	Ratio	Lower	Upper
69	100		
41	68.6	55.1	82.7
39	37.4	29.9	44.9





#57

1,3-Dichloropropane

Concen: 54.04 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 267379

Ion Ratio Lower Upper

76 100

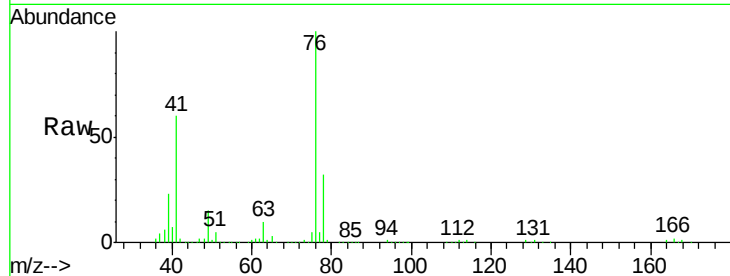
78 32.1 25.8 38.6

Manual Integrations

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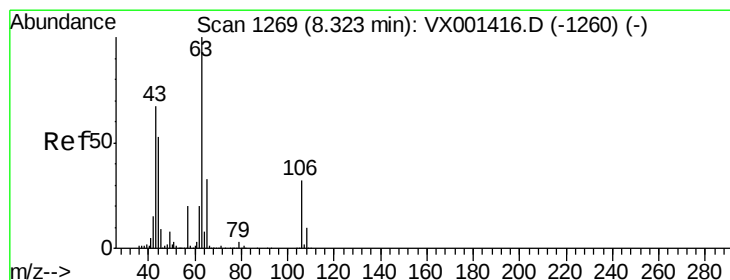
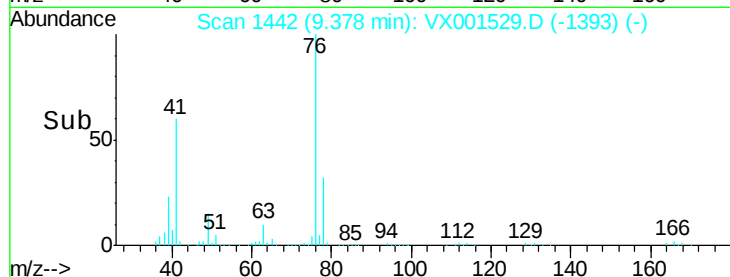
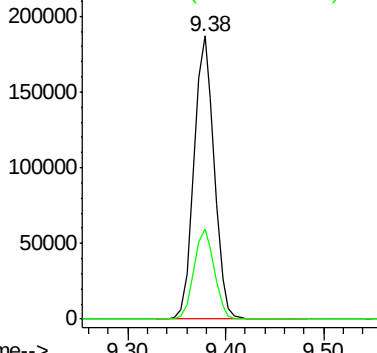
MMDadoda

5/10/2018 1:11:29 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 290.09 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX001529.D

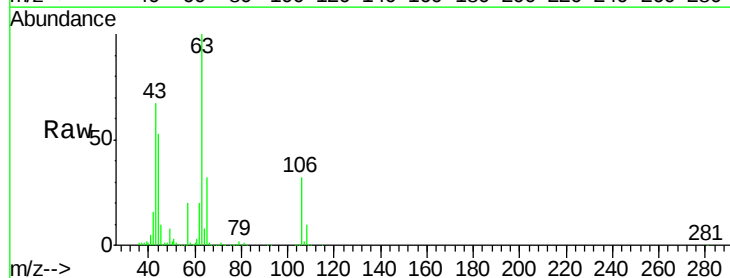
Acq: 08 May 2018 22:28

Tgt Ion: 63 Resp: 613717

Ion Ratio Lower Upper

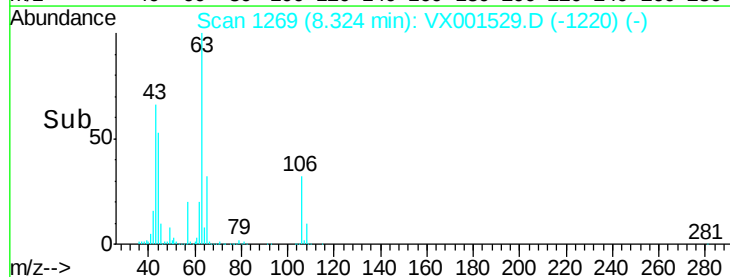
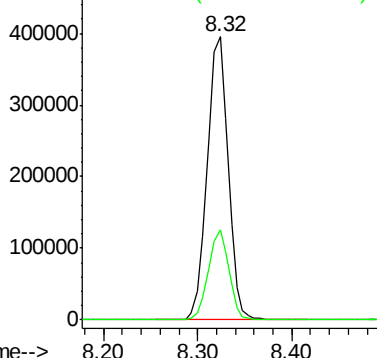
63 100

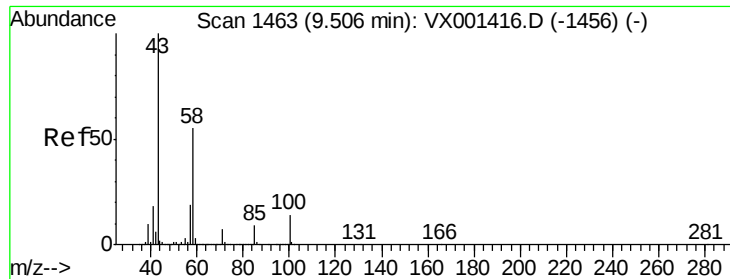
106 31.1 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





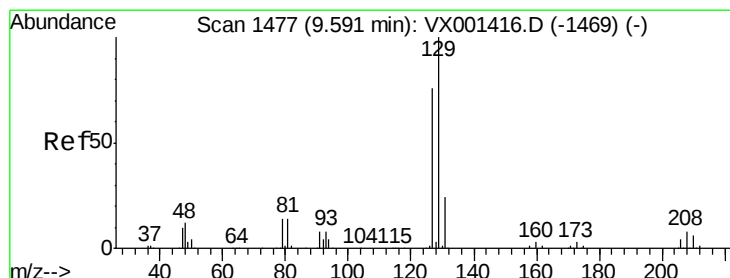
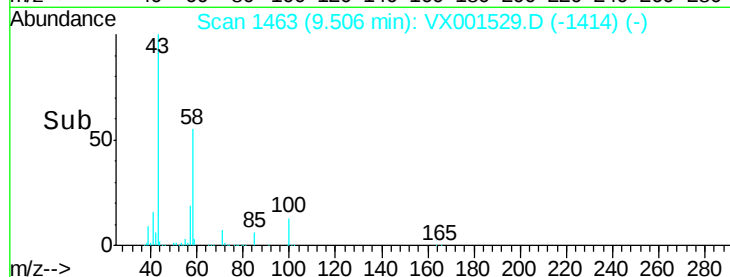
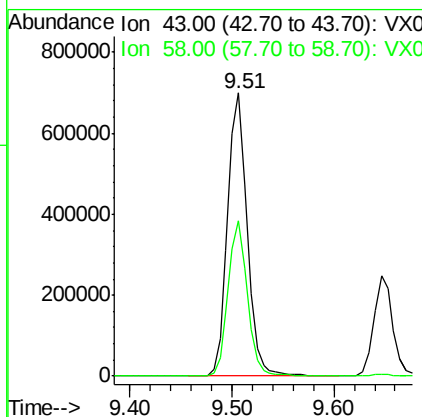
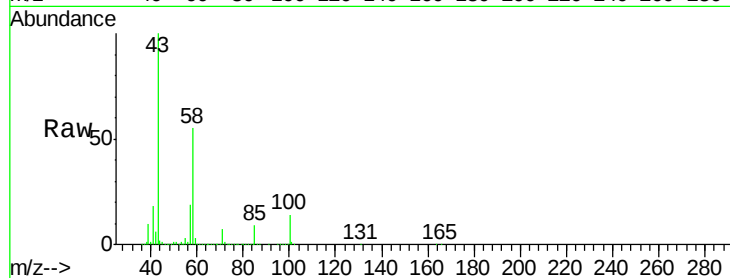
#59
2-Hexanone
Concen: 278.91 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.1	81.2

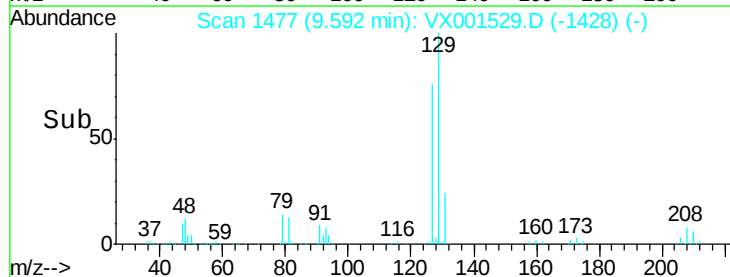
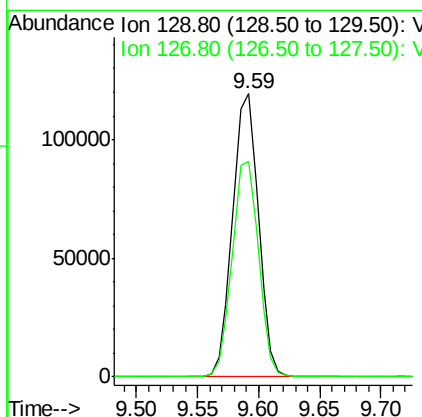
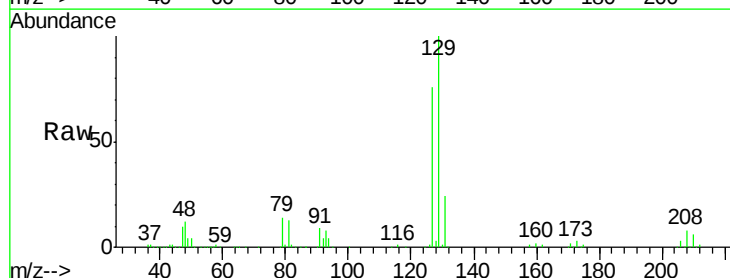
Manual Integrations
APPROVED

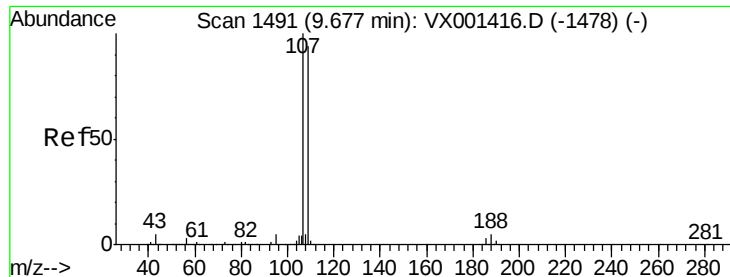
MMDadoda
5/10/2018 1:11:29 PM



#60
Dibromochloromethane
Concen: 57.04 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.1	114.5





#61

1,2-Dibromoethane

Concen: 54.84 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 172308

Ion Ratio Lower Upper

107 100

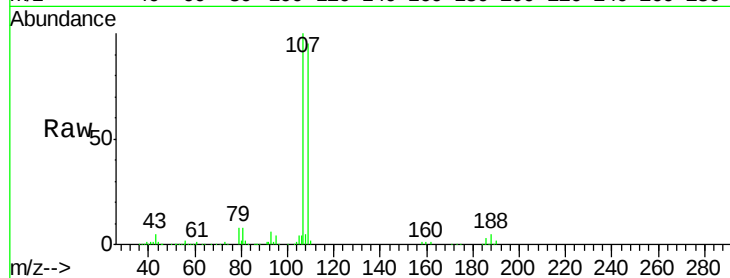
109 95.0 75.5 113.3

Manual Integrations

APPROVED

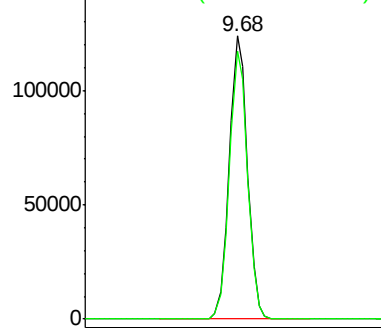
MMDadoda

5/10/2018 1:11:29 PM

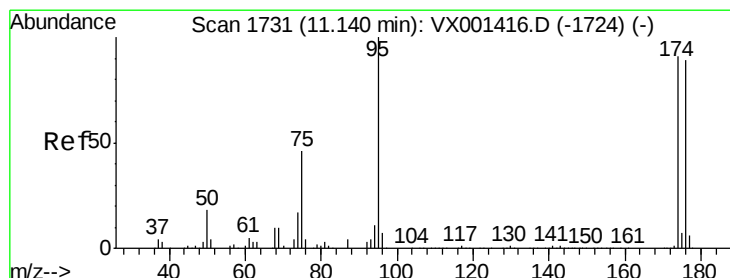
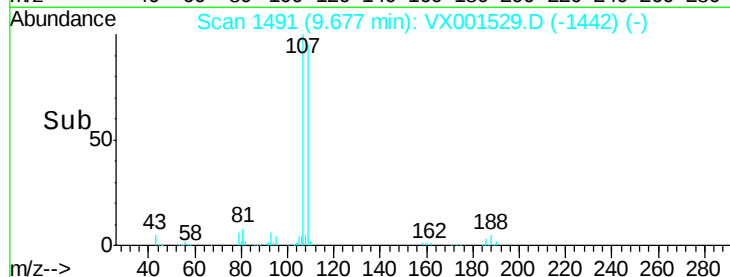


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 50.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

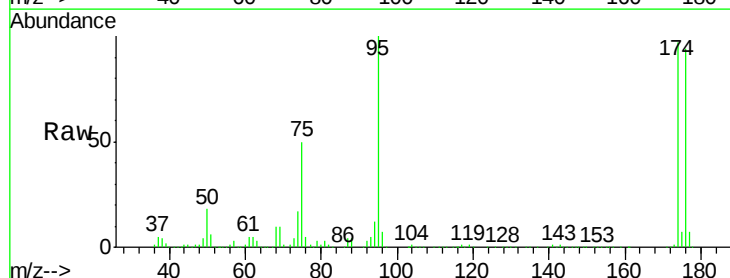
Tgt Ion: 95 Resp: 194127

Ion Ratio Lower Upper

95 100

174 102.5 0.0 202.0

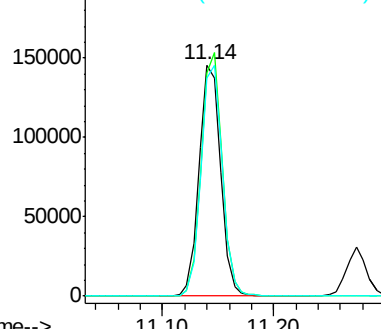
176 99.3 0.0 197.4



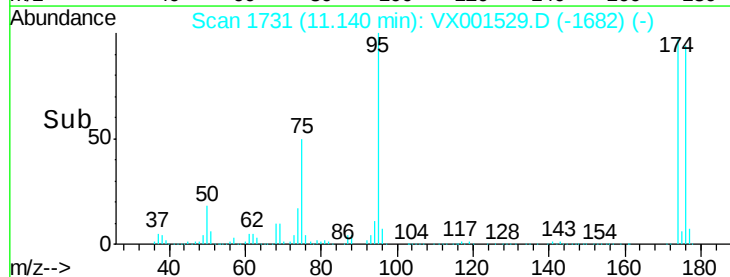
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





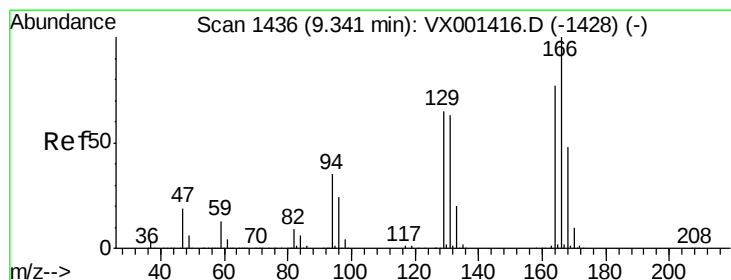
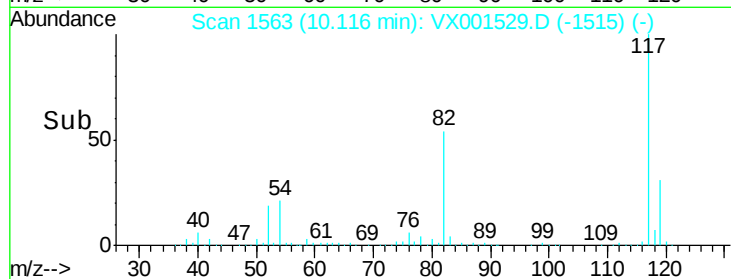
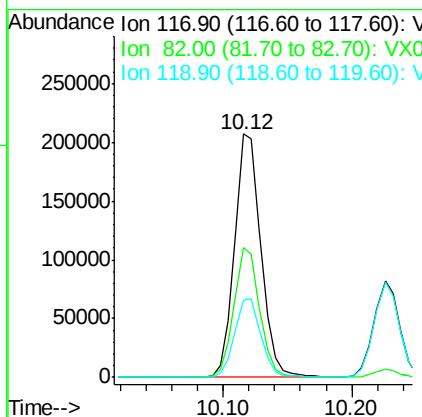
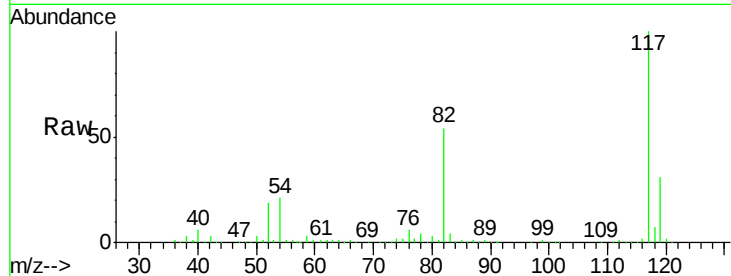
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	40.0	60.0
119	31.5	25.8	38.8

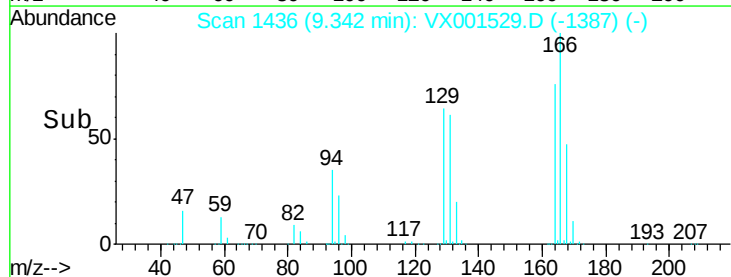
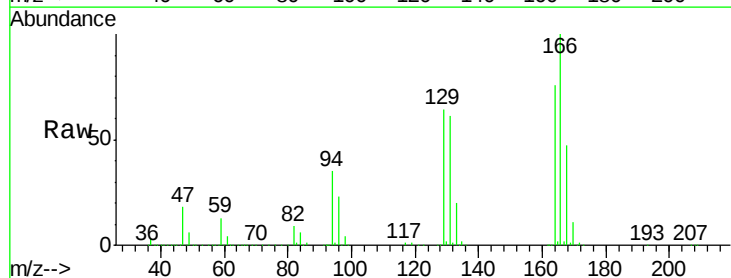
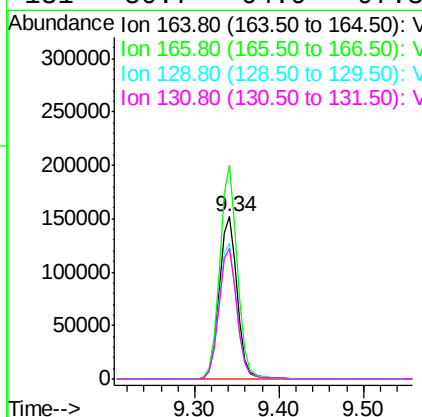
Manual Integrations
APPROVED

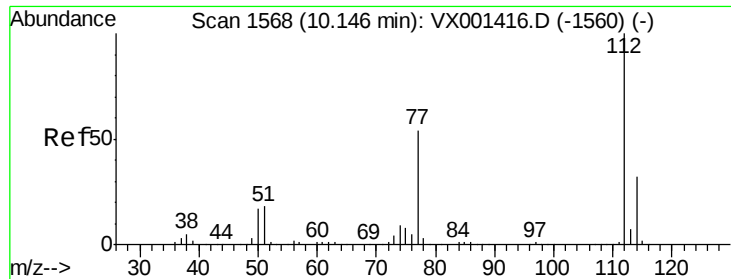
MMDadoda
5/10/2018 1:11:29 PM



#64
Tetrachloroethene
Concen: 54.52 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	103.5	155.3
129	83.9	66.7	100.1
131	80.7	64.9	97.3





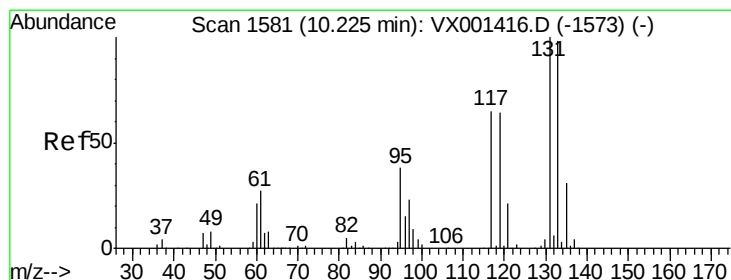
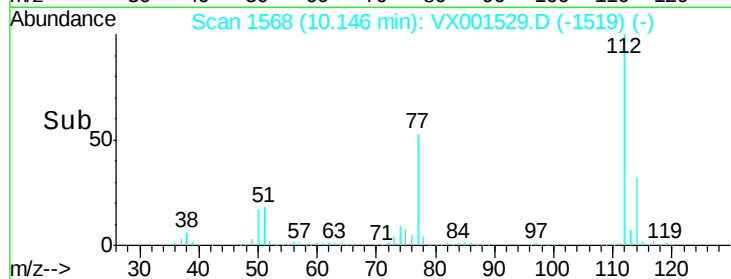
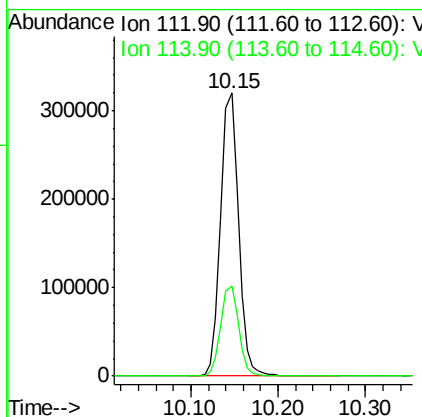
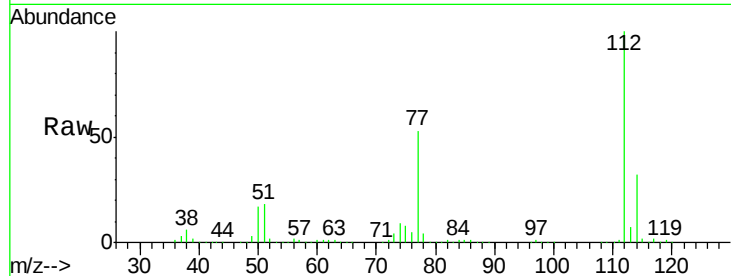
#65
Chlorobenzene
Concen: 52.48 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 455430
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

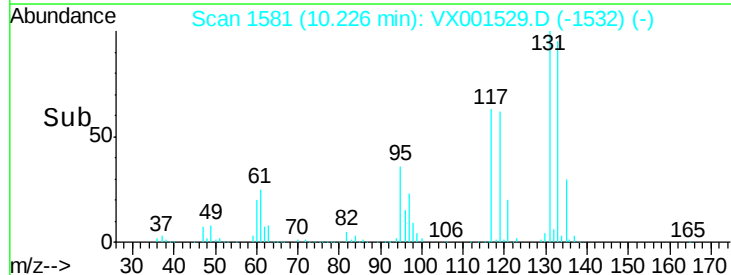
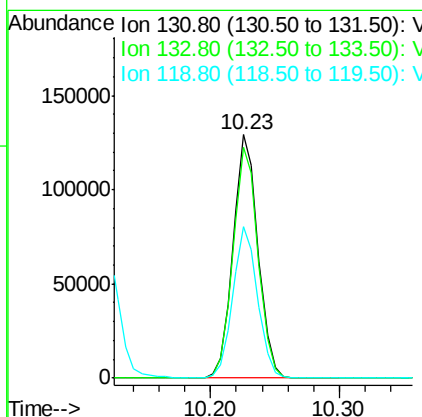
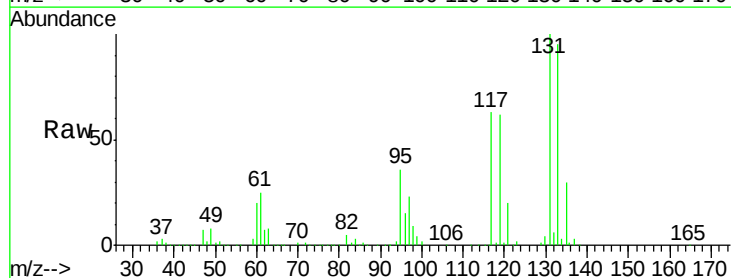
Manual Integrations
APPROVED

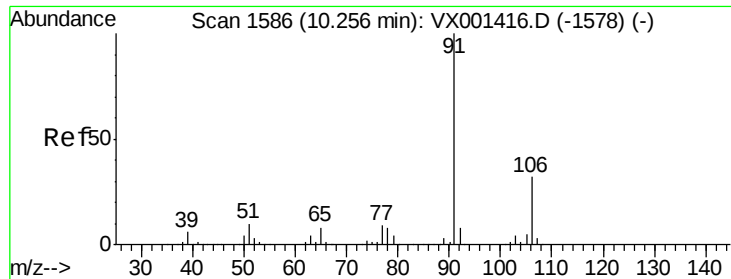
MMDadoda
5/10/2018 1:11:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.98 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion:131 Resp: 173788
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.8
119 62.2 31.1 93.3





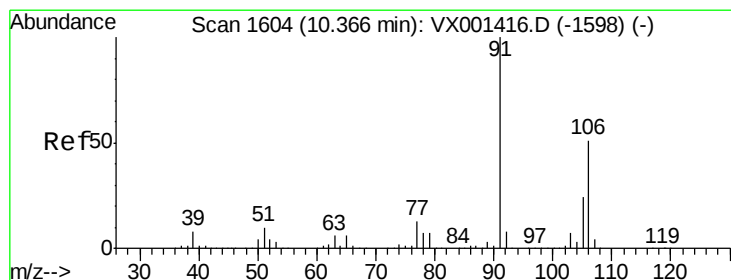
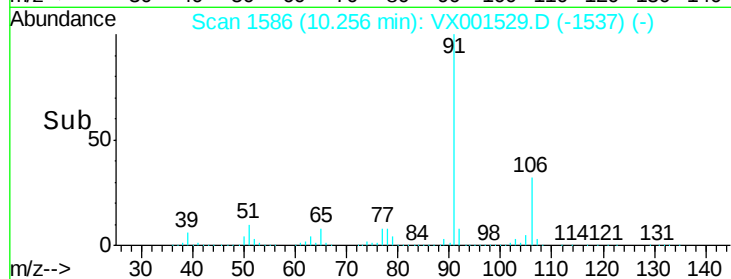
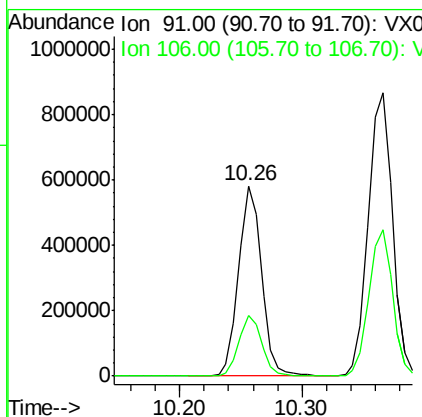
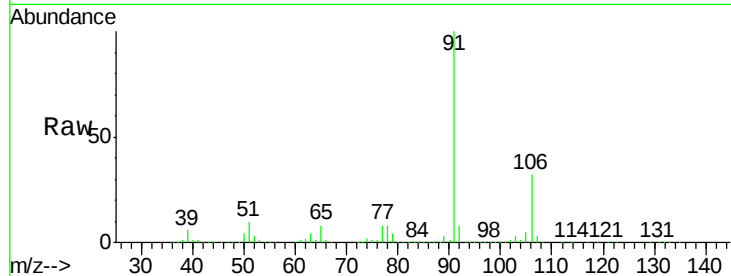
#67
Ethyl Benzene
Concen: 53.35 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 758913
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

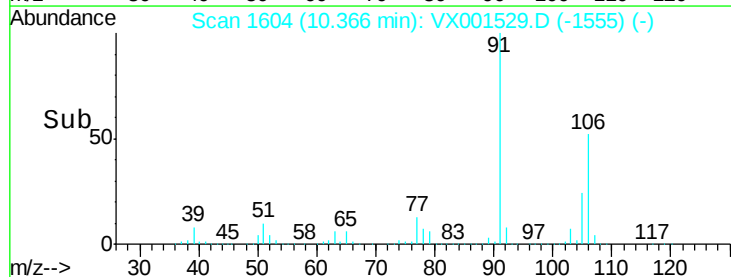
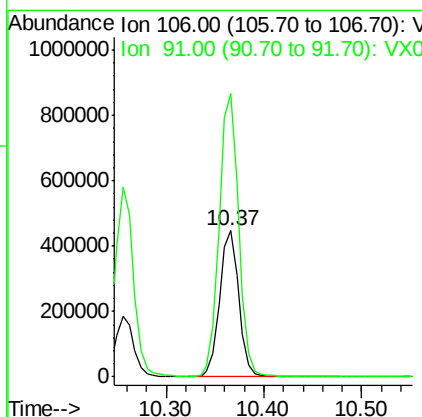
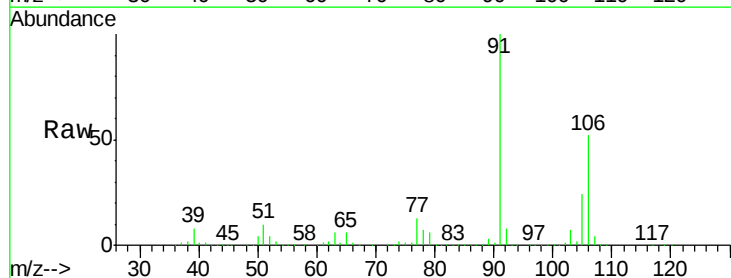
Manual Integrations
APPROVED

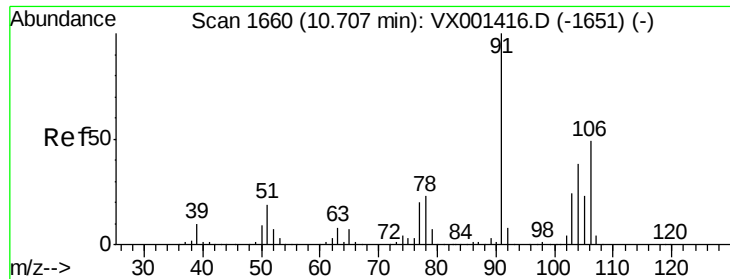
MMDadoda
5/10/2018 1:11:29 PM



#68
m/p-Xylenes
Concen: 107.85 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion: 106 Resp: 606173
Ion Ratio Lower Upper
106 100
91 197.3 157.5 236.3





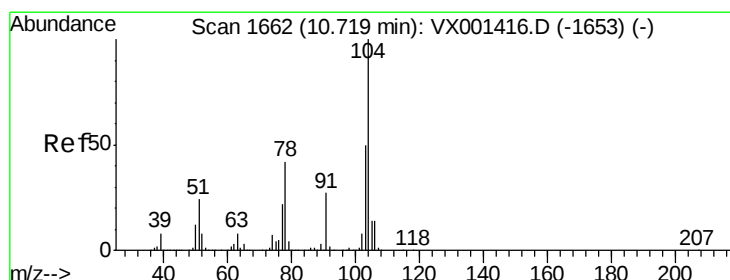
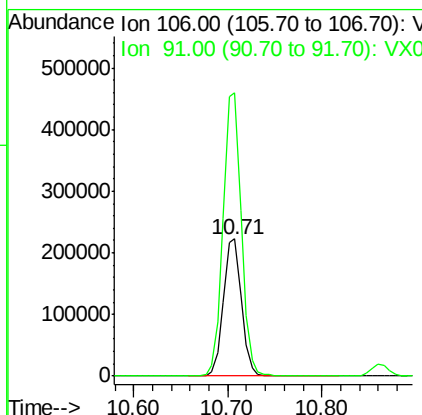
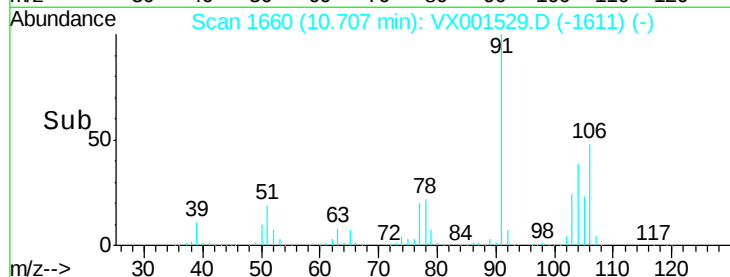
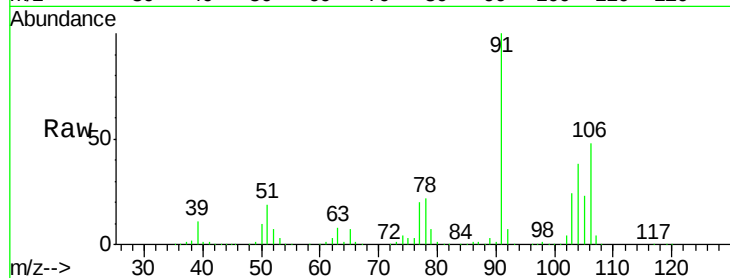
#69
o-Xylene
Concen: 54.34 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.3	103.1	309.1

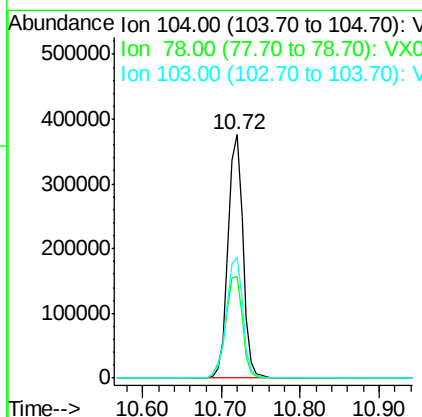
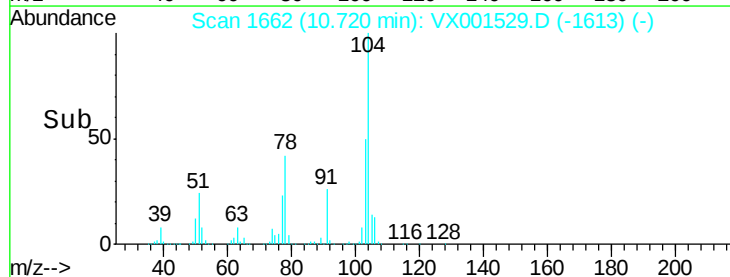
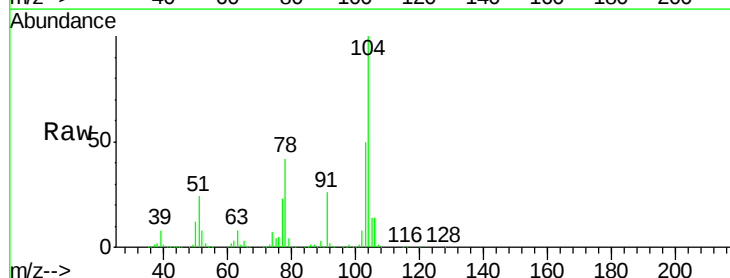
Manual Integrations
APPROVED

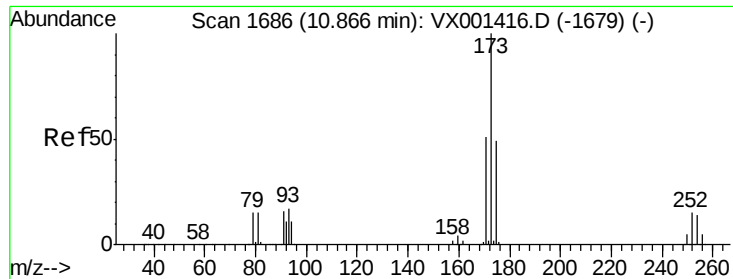
MMDadoda
5/10/2018 1:11:29 PM



#70
Styrene
Concen: 55.79 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.6	58.0
103	54.6	44.0	66.0





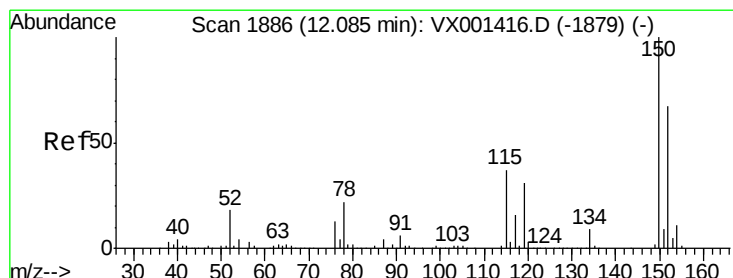
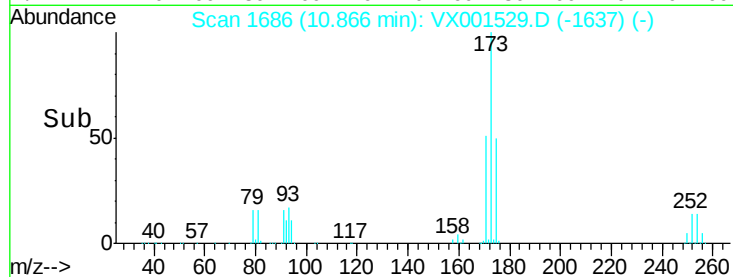
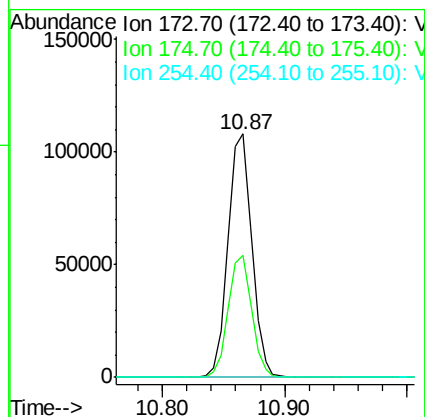
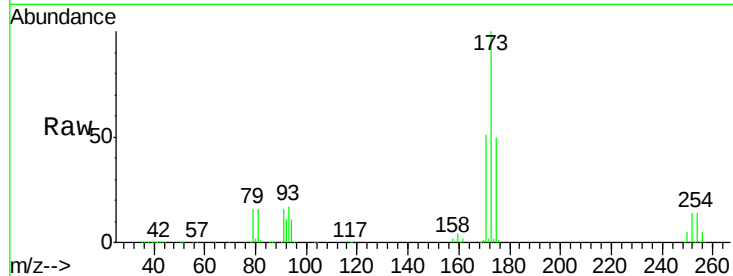
#71
Bromoform
Concen: 48.67 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

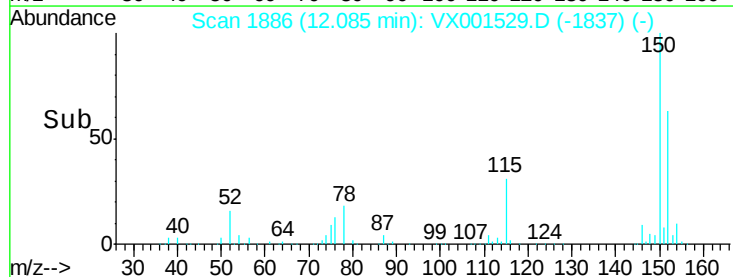
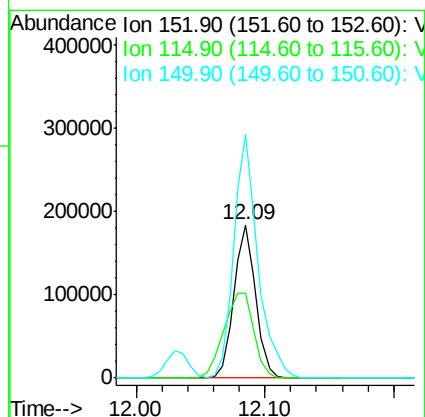
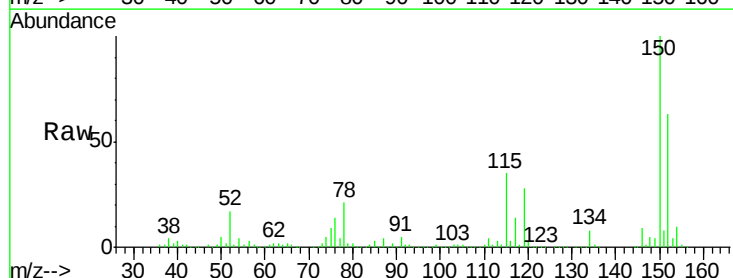
Manual Integrations
APPROVED

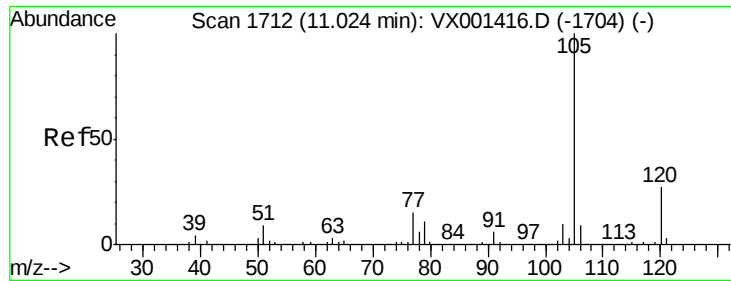
MMDadoda
5/10/2018 1:11:29 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.8	37.7	113.1
150	176.5	0.0	349.4





#73

Isopropylbenzene

Concen: 53.03 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 794417

Ion Ratio Lower Upper

105 100

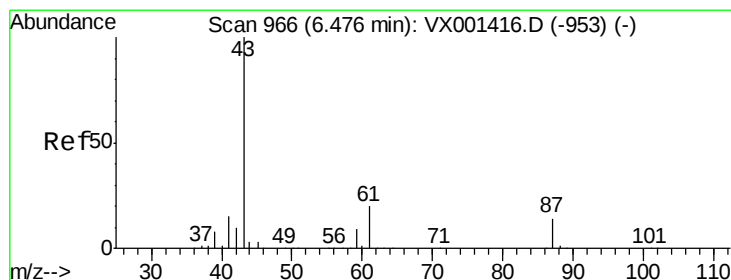
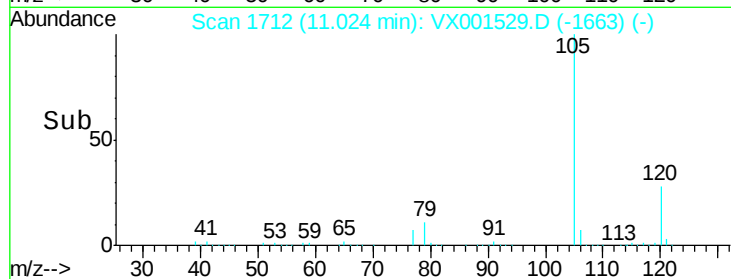
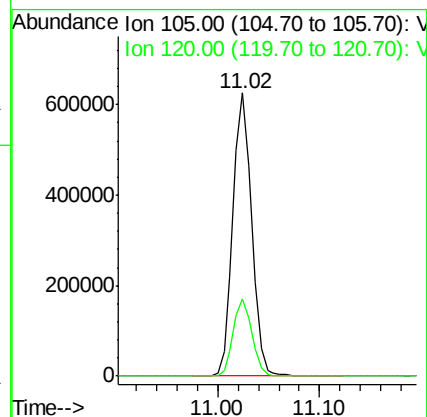
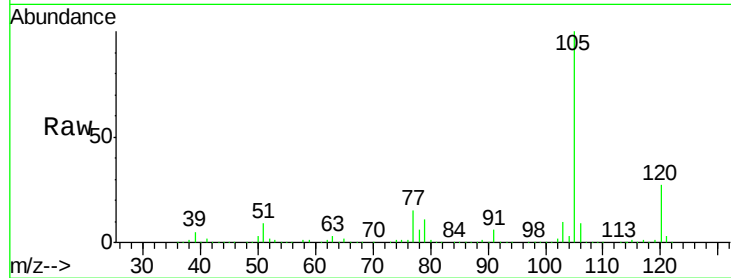
120 27.3 13.6 40.8

Manual Integrations

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5/10/2018 1:11:29 PM



#74

N-ethyl acetate

Concen: 52.85 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Tgt Ion: 43 Resp: 359648

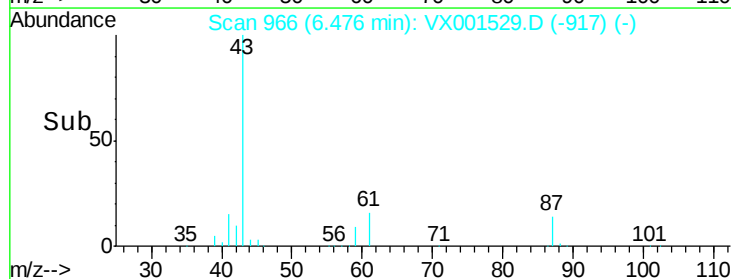
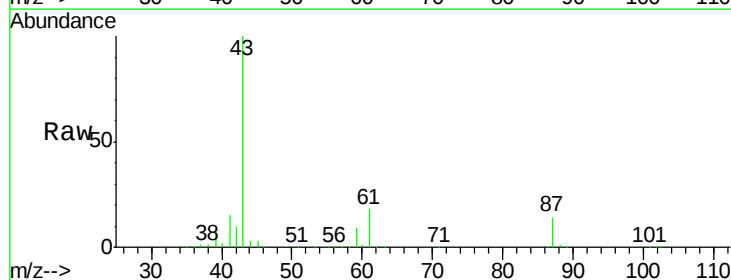
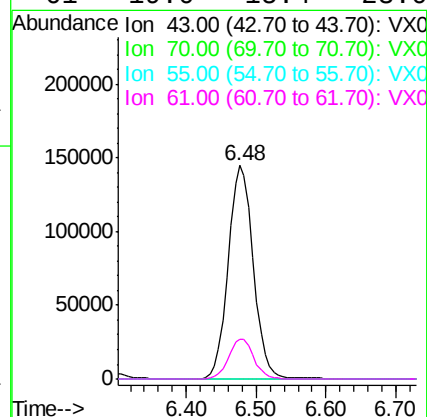
Ion Ratio Lower Upper

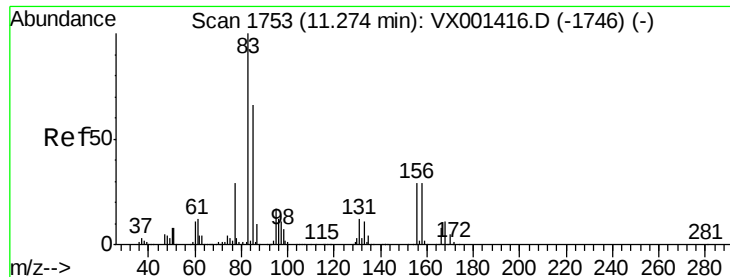
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 19.0 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.01 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 234558
Ion Ratio Lower Upper

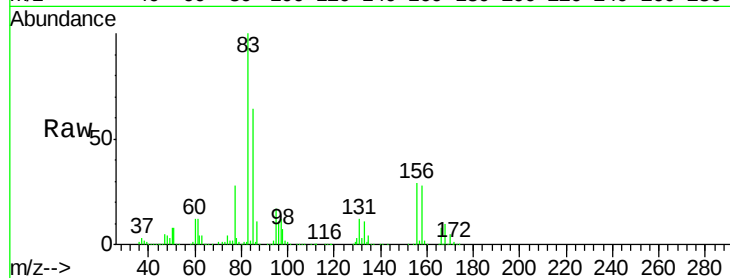
83 100

131 11.8 5.8 17.4

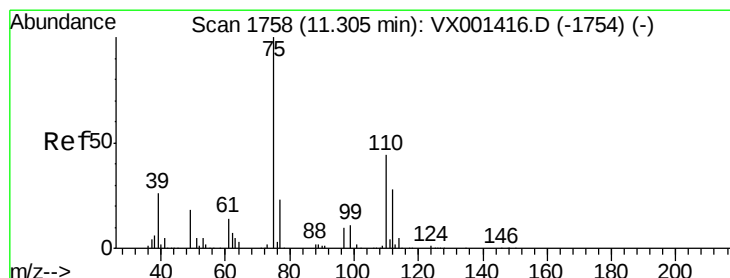
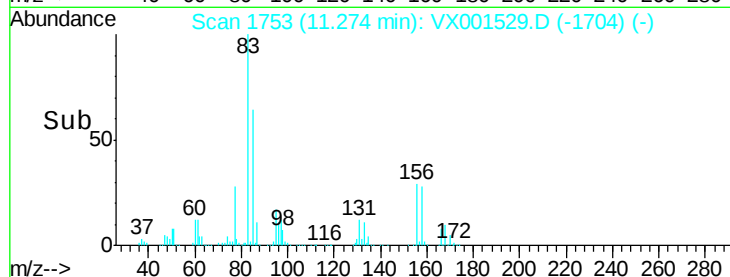
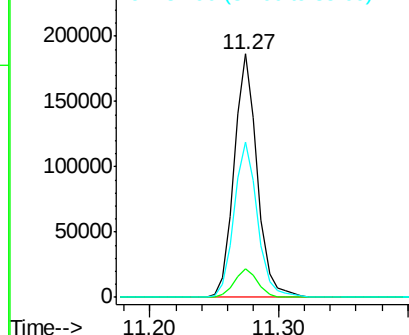
85 64.7 32.7 98.1

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



#76

1,2,3-Trichloropropane

Concen: 52.77 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

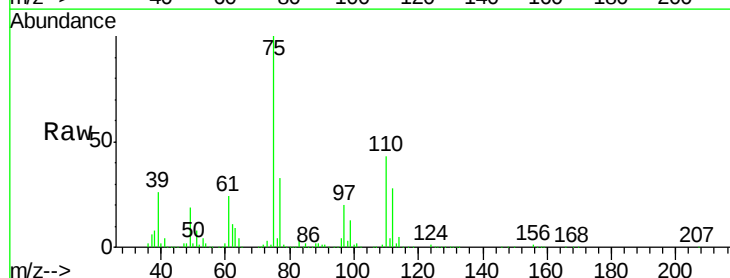
Lab File: VX001529.D

Acq: 08 May 2018 22:28

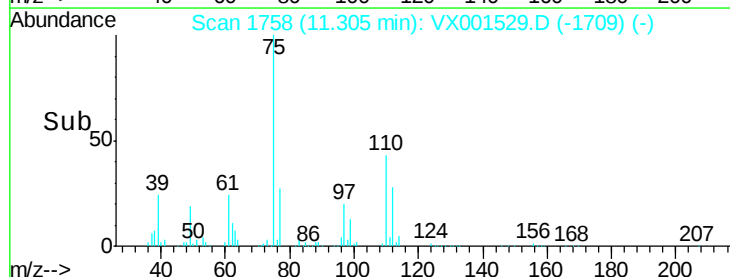
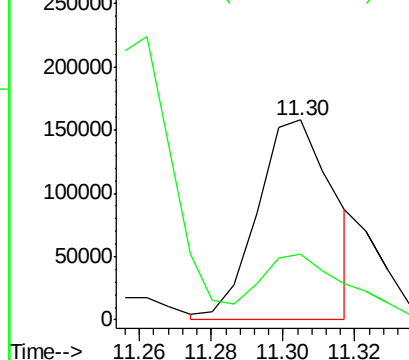
Tgt Ion: 75 Resp: 231593
Ion Ratio Lower Upper

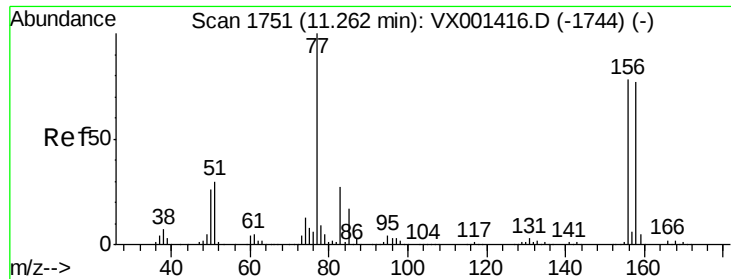
75 100

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: 52.06 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

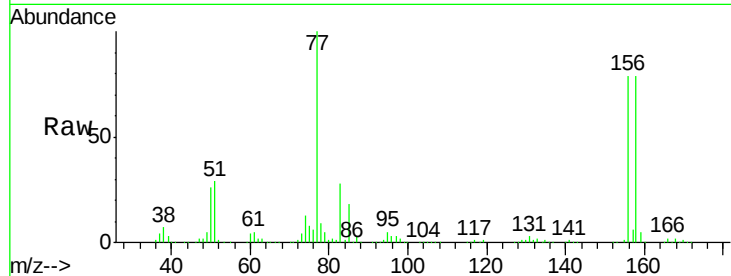
ClientSampleId :

VSTDCCC050

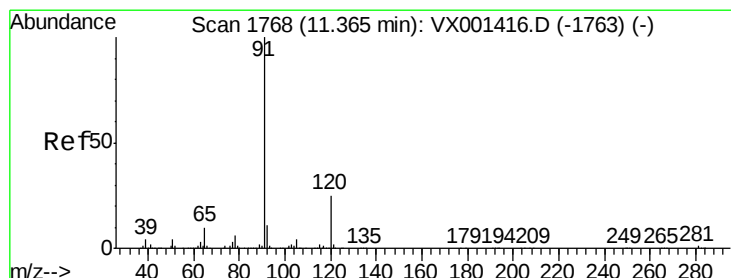
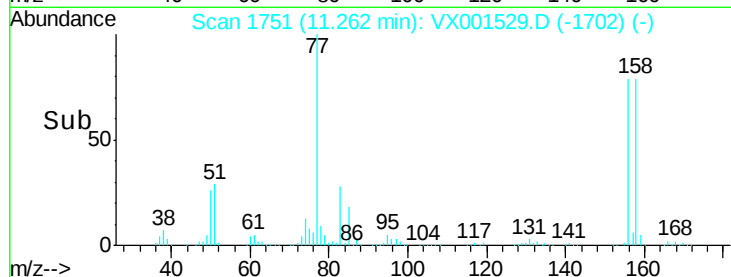
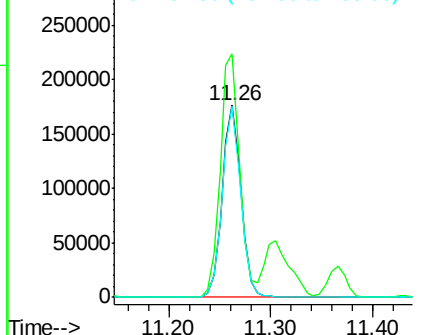
Tot Ion:	156	Resp:	226739
Ion Ratio	Lower	Upper	
156	100		
77	132.3	66.0	198.2
158	97.7	49.4	148.2

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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: 54.16 ug/l

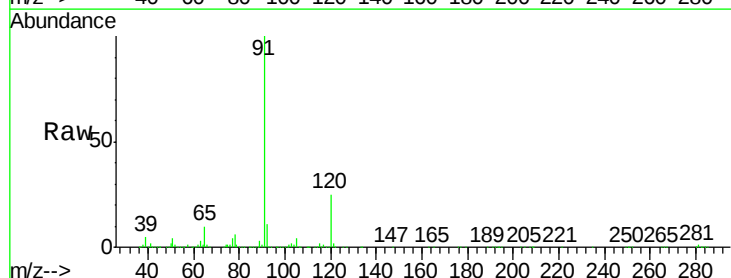
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

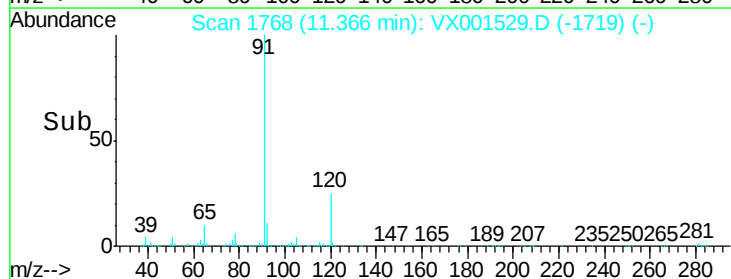
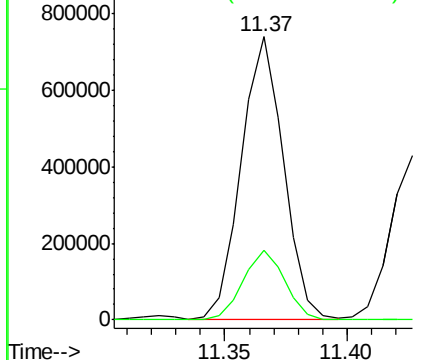
Lab File: VX001529.D

Acq: 08 May 2018 22:28

Tgt Ion:	91	Resp:	883483
Ion Ratio	Lower	Upper	
91	100		
120	24.8	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: 52.62 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 528260

Ion Ratio Lower Upper

91 100

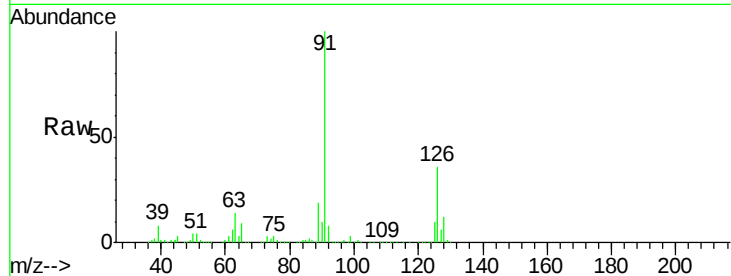
126 37.2 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VX001416.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001416.D (-1773) (-)

800000

600000

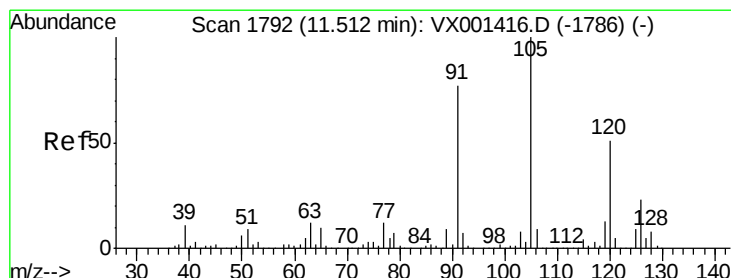
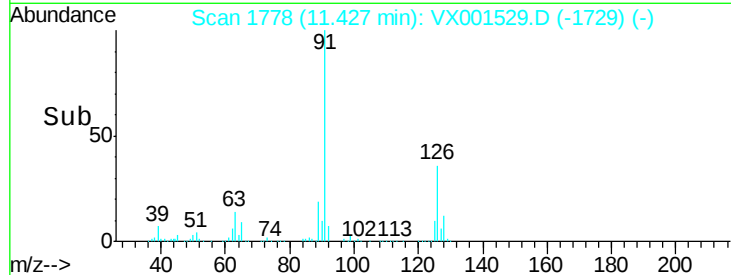
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.02 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001529.D

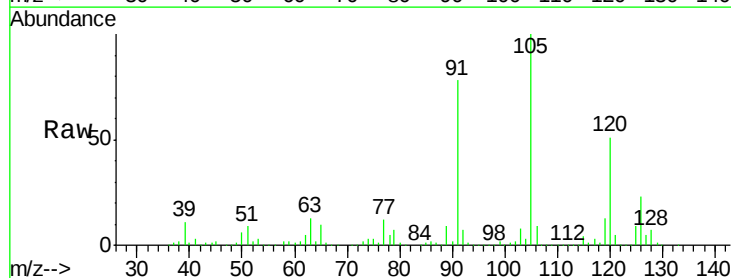
Acq: 08 May 2018 22:28

Tgt Ion: 105 Resp: 673748

Ion Ratio Lower Upper

105 100

120 51.1 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VX001416.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001416.D (-1786) (-)

600000

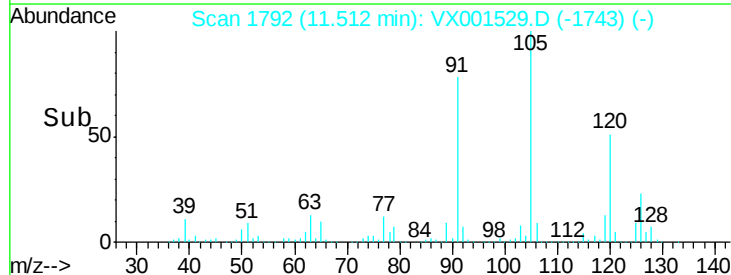
400000

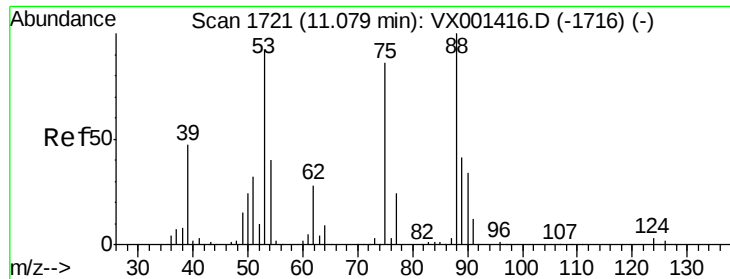
200000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.12 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

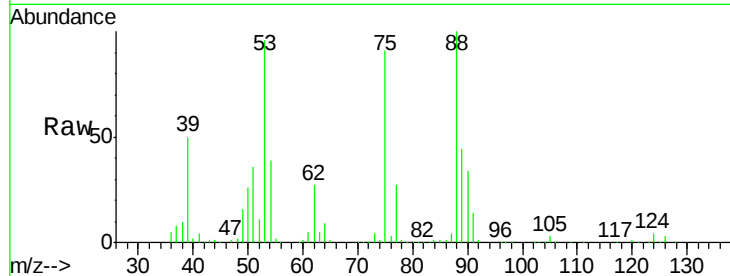
ClientSampleId :

VSTDCCC050

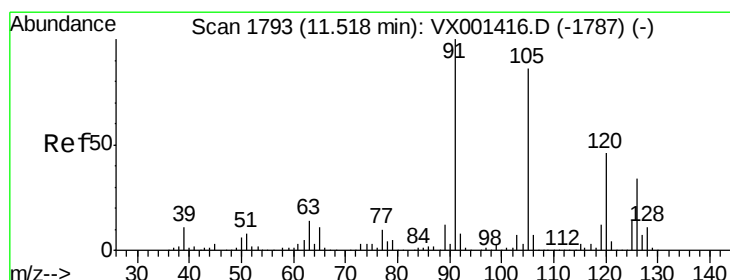
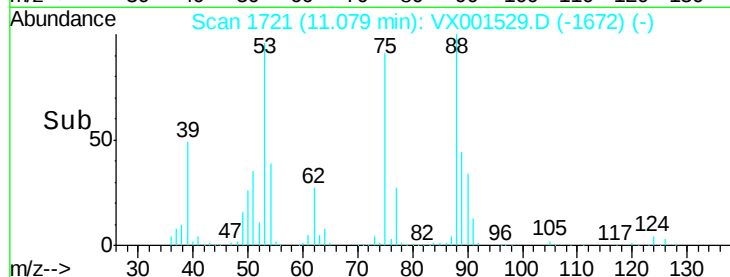
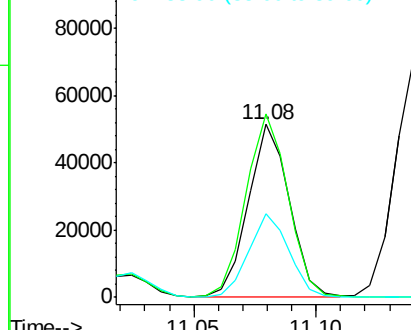
Tot Ion:	75	Resp:	59971
Ion	Ratio	Lower	Upper
75	100		
53	109.4	84.5	126.7
89	47.9	39.5	59.3

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 53.57 ug/l

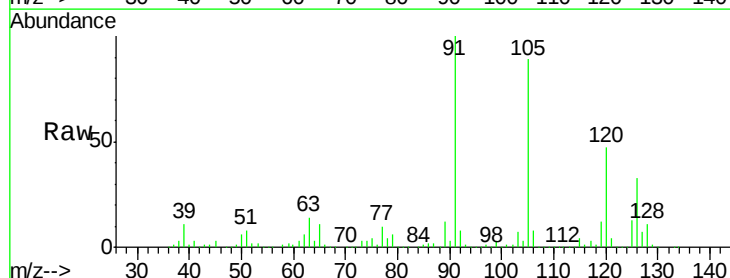
RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

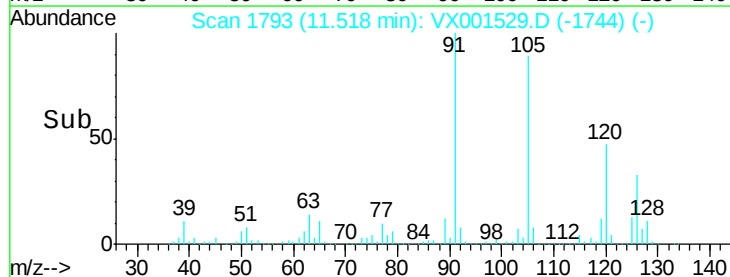
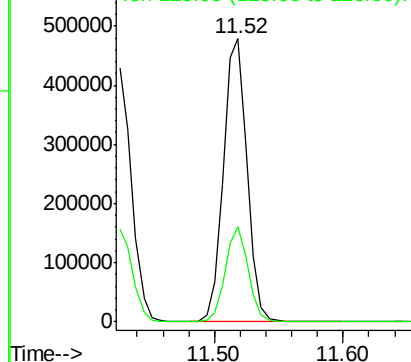
Lab File: VX001529.D

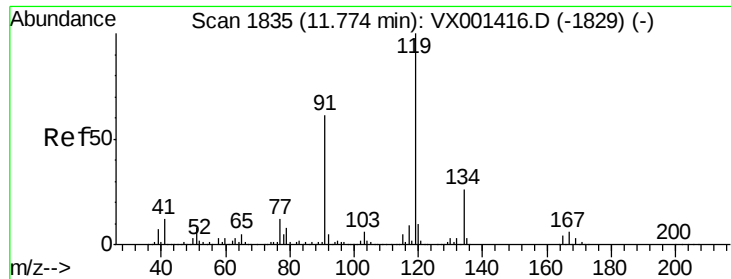
Acq: 08 May 2018 22:28

Tgt Ion:	91	Resp:	620377
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





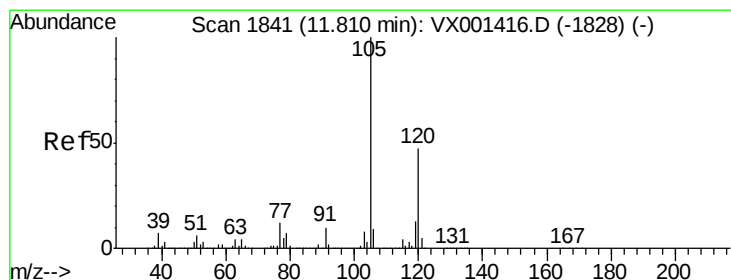
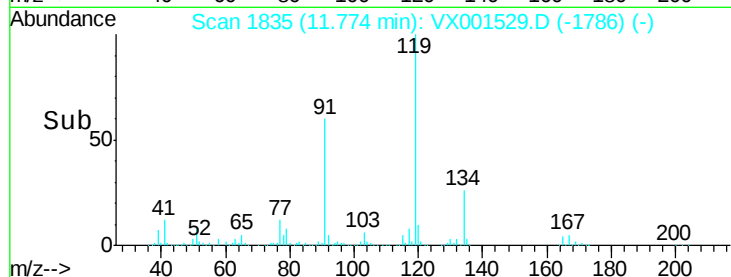
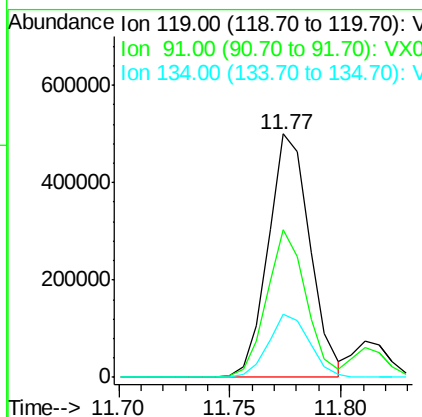
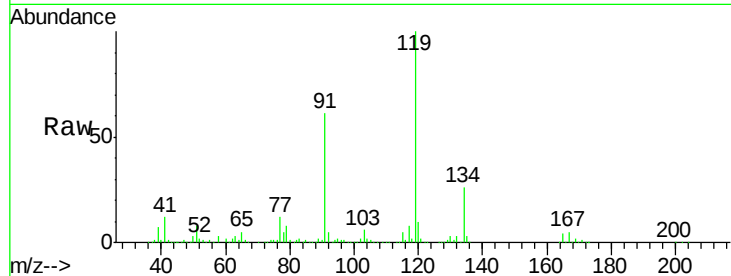
#83
 tert-Butylbenzene
 Concen: 52.40 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	27.8	83.3
134	25.3	12.4	37.0

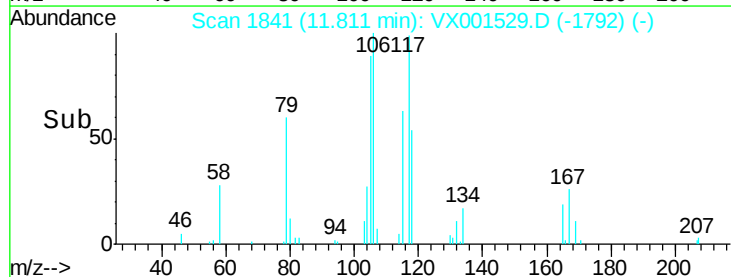
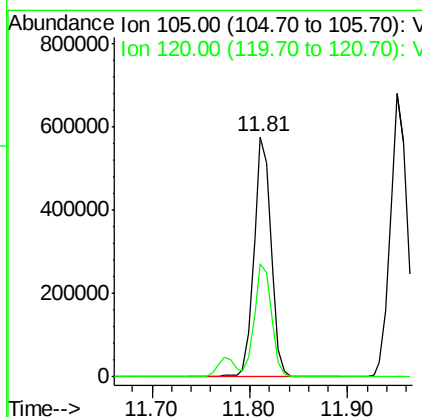
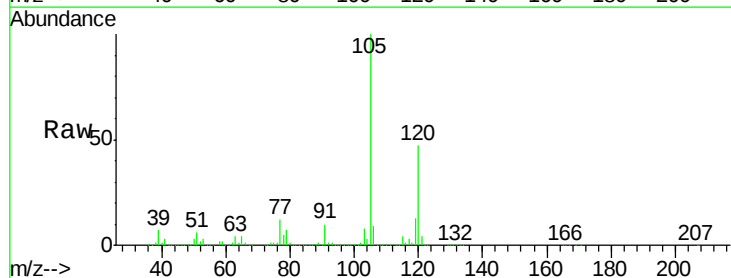
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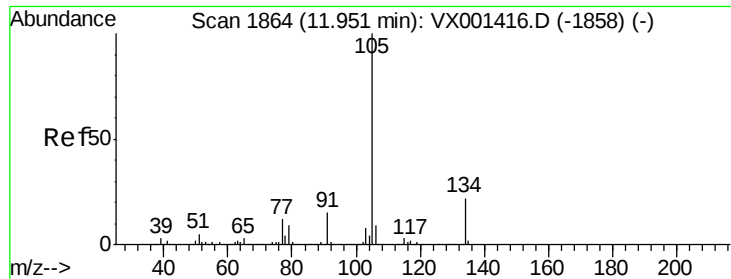
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.91 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.2





#85

sec-Butylbenzene

Concen: 54.18 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 807041

Ion Ratio Lower Upper

105 100

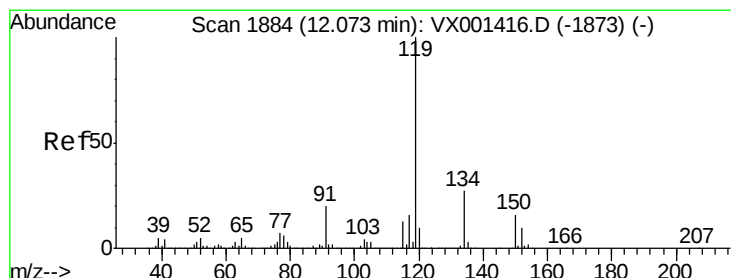
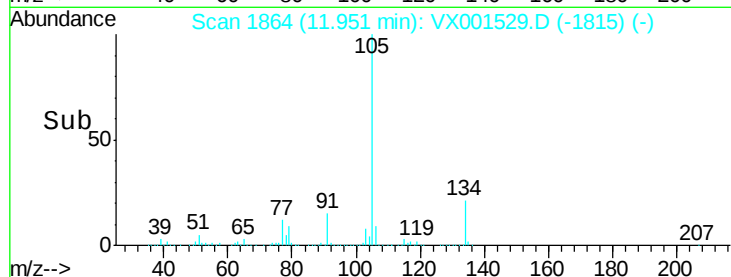
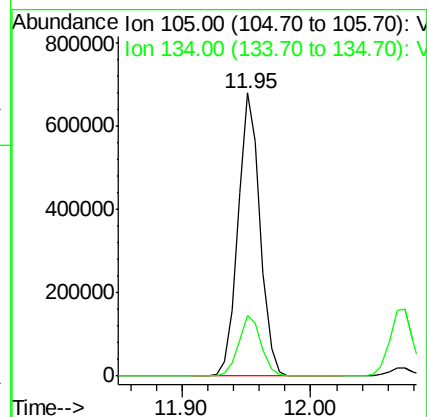
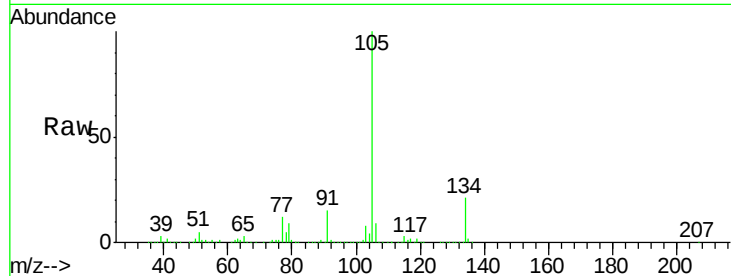
134 21.8 10.9 32.9

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#86

p-Isopropyltoluene

Concen: 54.34 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

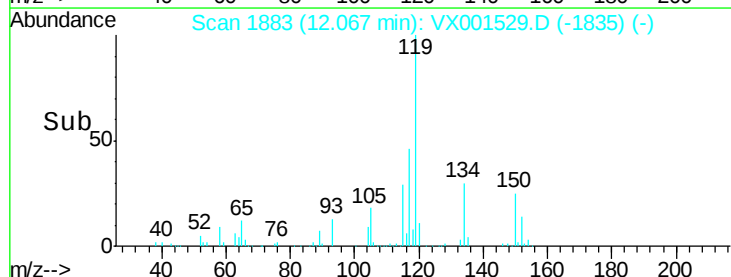
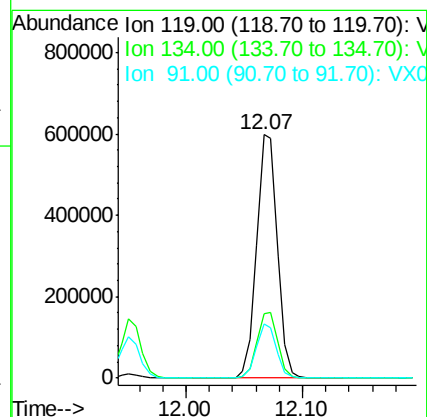
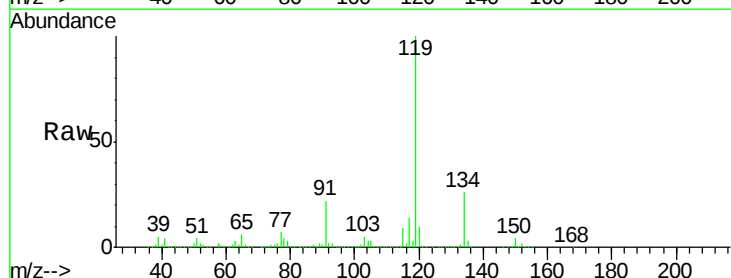
Tgt Ion:119 Resp: 742590

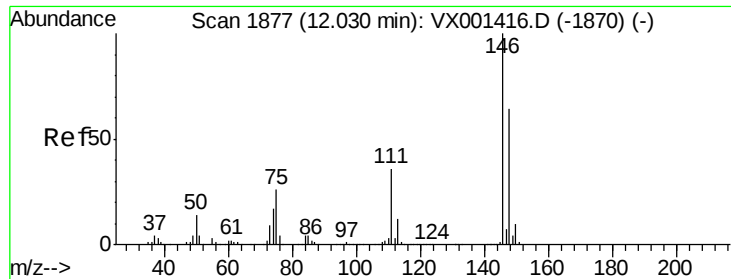
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 21.6 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 51.80 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

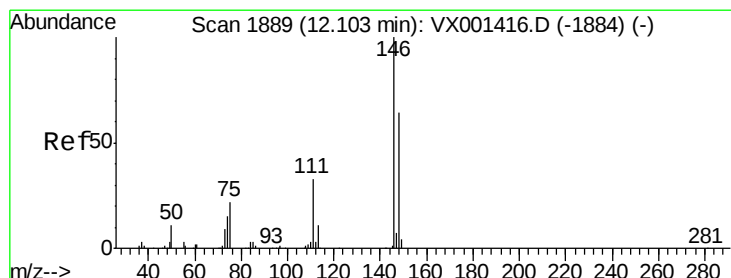
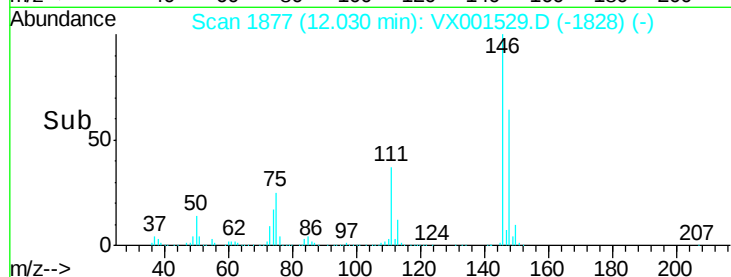
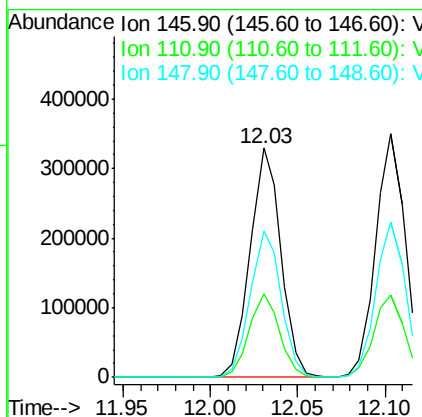
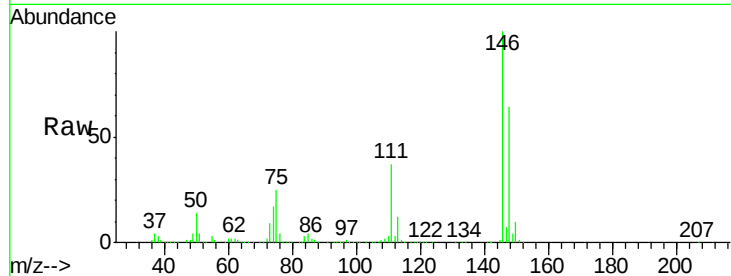
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	403332
Ion Ratio	Lower	Upper	
146	100		
111	36.1	18.1	54.1
148	64.4	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 51.89 ug/l

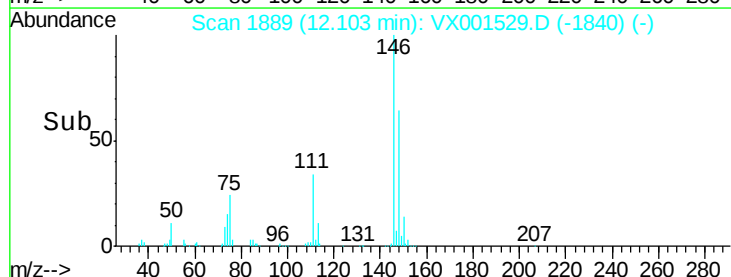
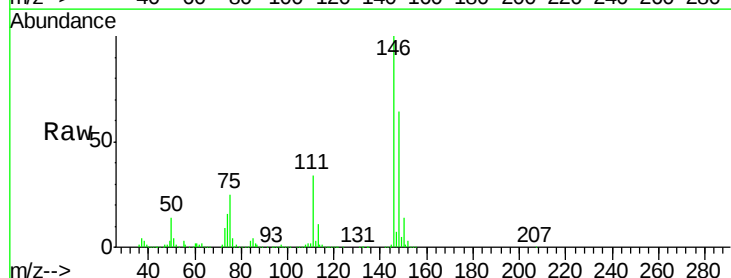
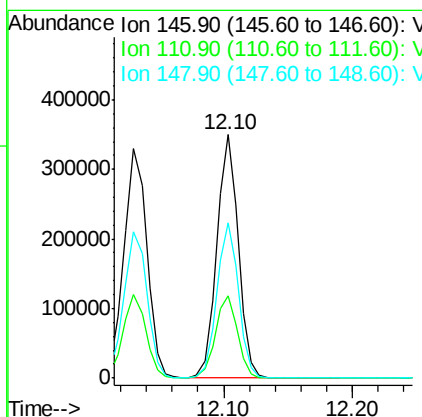
RT: 12.10 min Scan# 1889

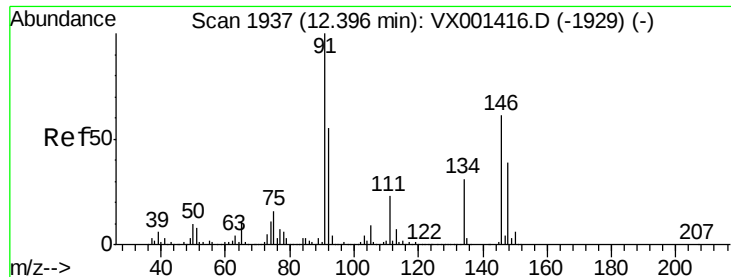
Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Tgt Ion:	146	Resp:	412077
Ion Ratio	Lower	Upper	
146	100		
111	35.1	17.4	52.3
148	64.4	32.2	96.6





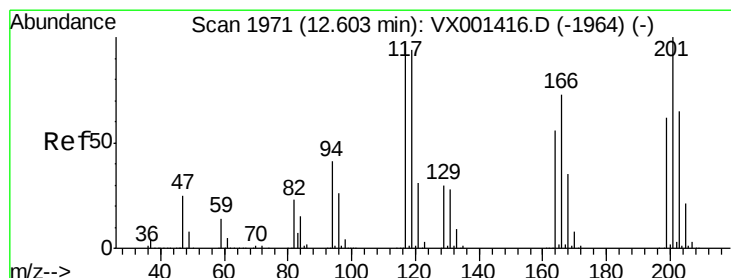
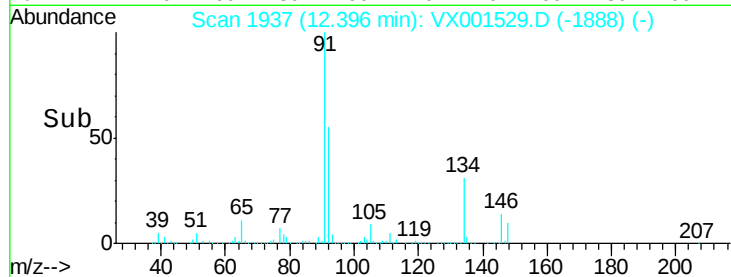
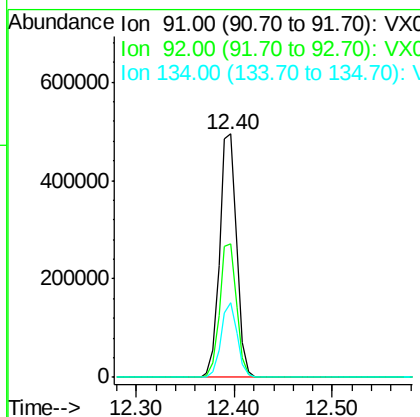
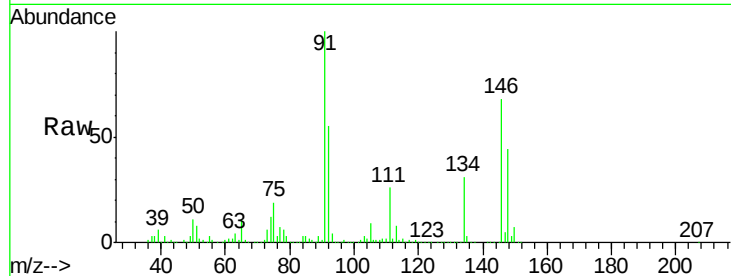
#89
n-Butylbenzene
Concen: 52.33 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.2	81.5
134	29.3	14.6	44.0

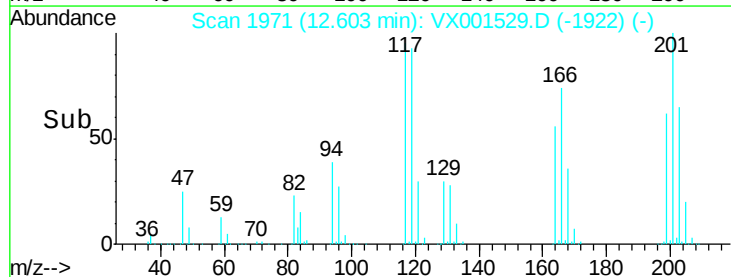
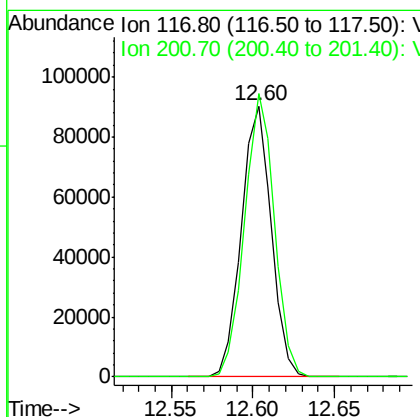
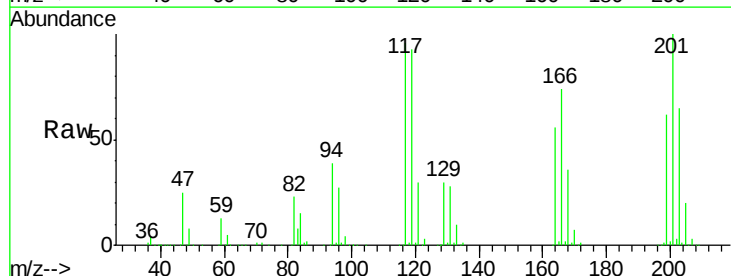
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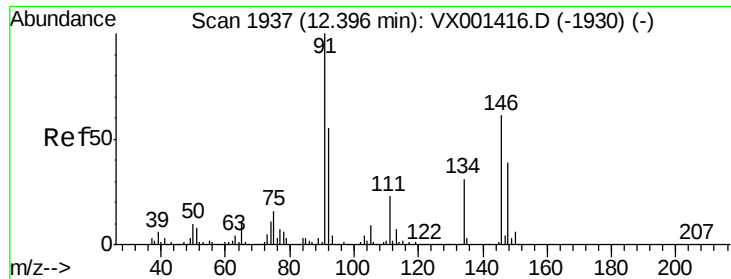
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#90
Hexachloroethane
Concen: 56.18 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001529.D
Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.2	51.5	154.5





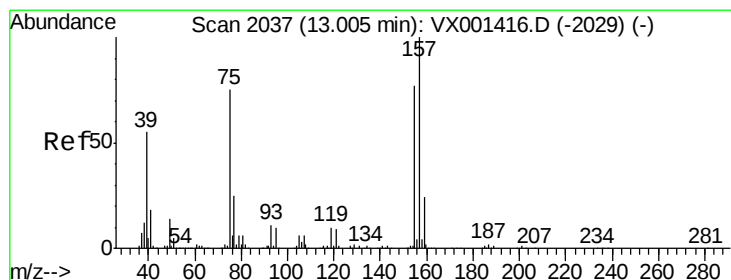
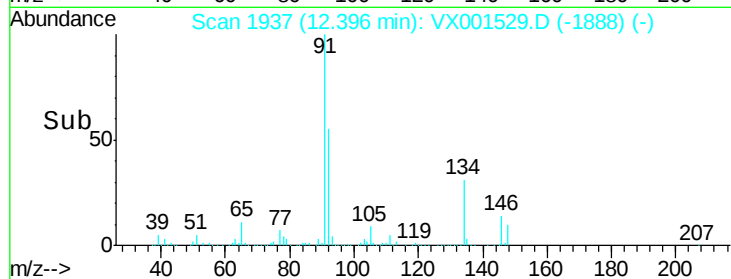
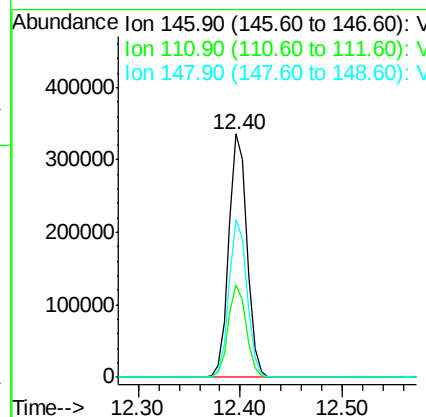
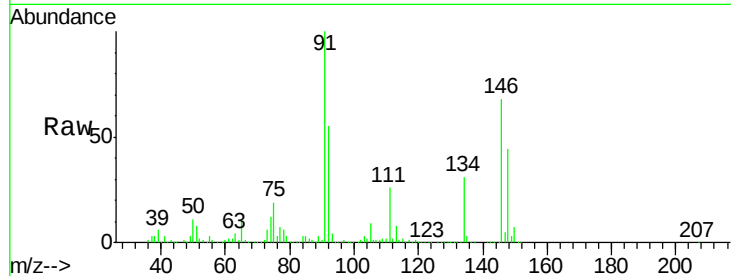
#91
 1,2-Dichlorobenzene
 Concen: 52.41 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	415157		
111	37.5	18.6	55.8	
148	64.3	32.1	96.5	

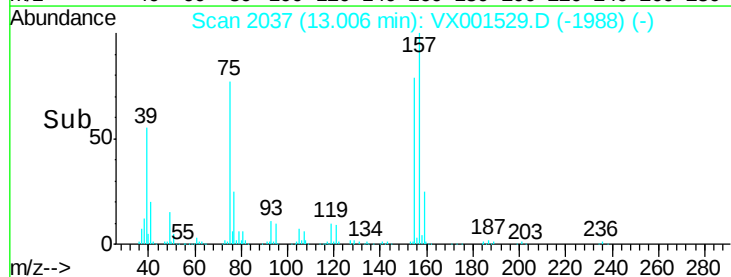
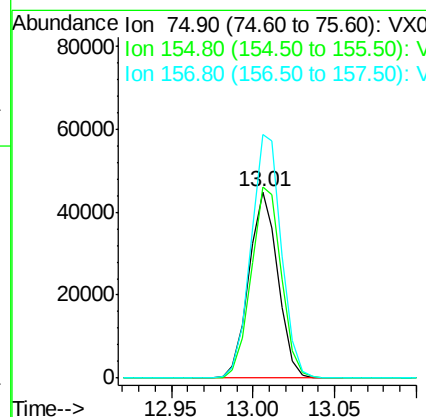
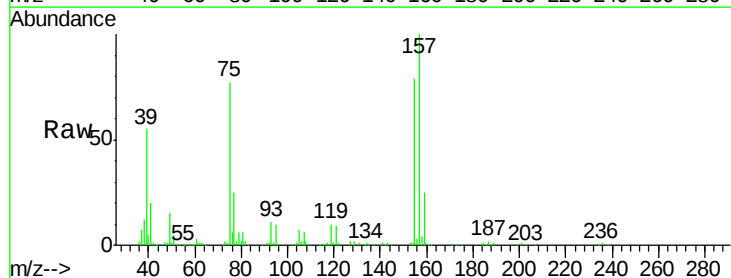
Manual Integrations
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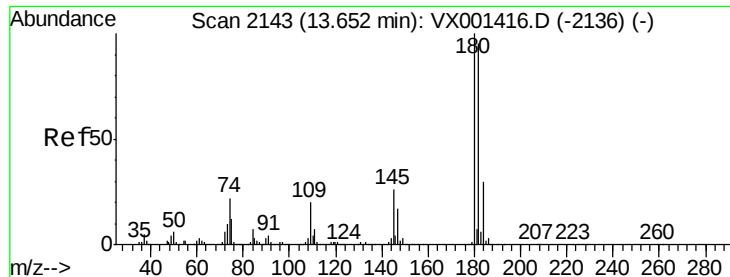
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.31 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55709		
155	106.3	53.4	160.2	
157	136.6	68.3	204.8	





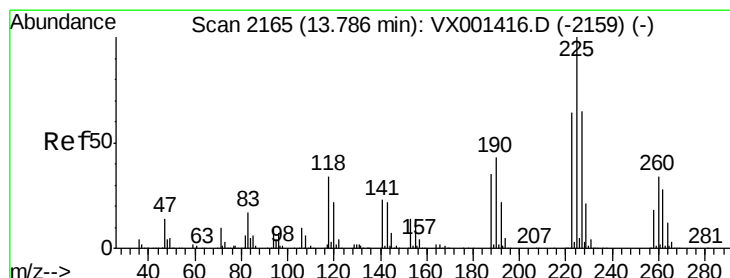
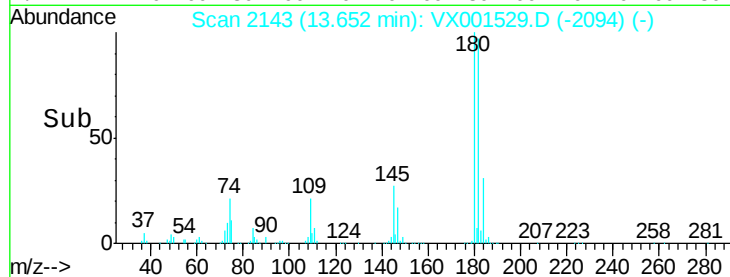
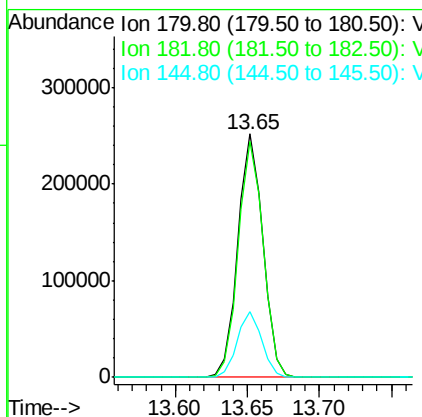
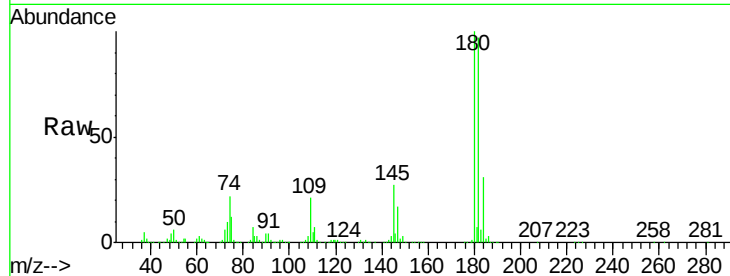
#93
 1,2,4-Trichlorobenzene
 Concen: 52.66 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	305264
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.8	143.4
145	26.7	13.3	39.9

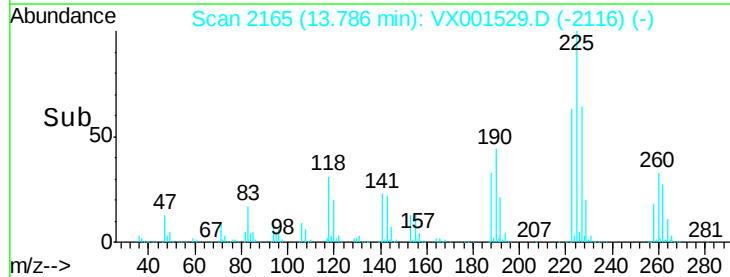
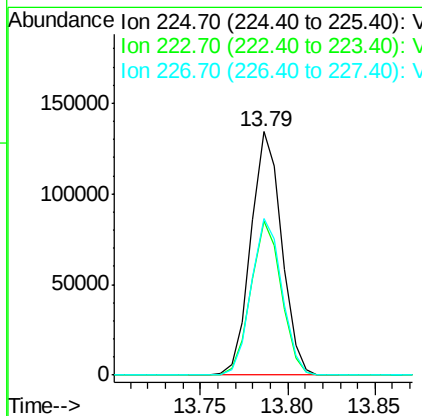
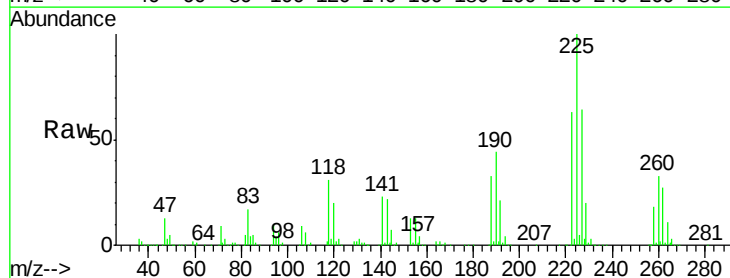
Manual Integrations
 APPROVED

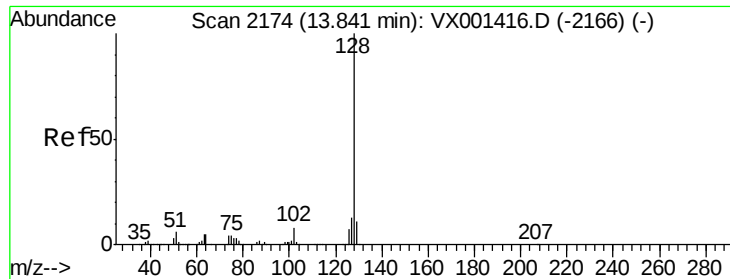
MMDadoda
 5/10/2018 1:11:29 PM



#94
 Hexachlorobutadiene
 Concen: 51.74 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001529.D
 Acq: 08 May 2018 22:28

Tgt Ion:	225	Resp:	164091
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.3	93.9
227	64.1	32.4	97.2





#95

Naphthalene

Concen: 56.33 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Instrument :

MSVOA_X

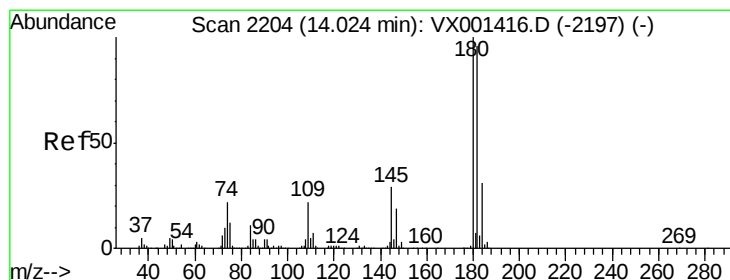
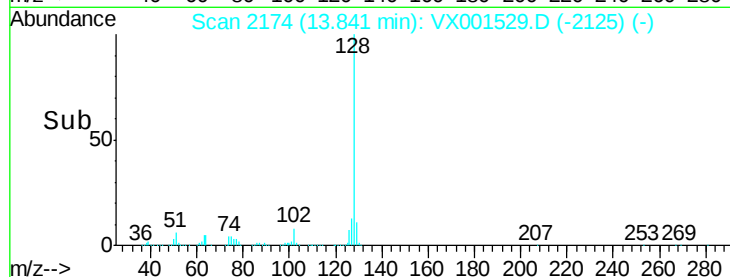
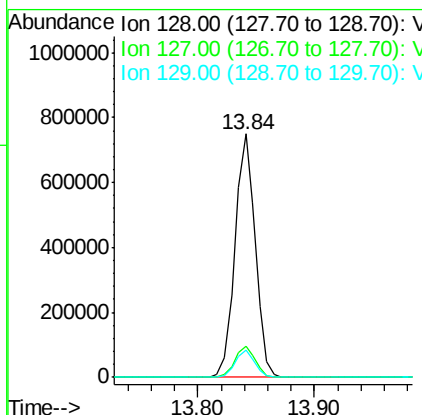
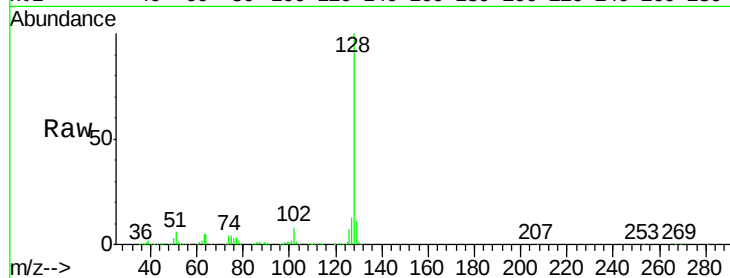
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	903059
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:11:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.74 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001529.D

Acq: 08 May 2018 22:28

Tgt Ion:	180	Resp:	319622
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.0	144.2
145	28.6	14.1	42.4

