

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100518\
 Data File : VX005069.D
 Acq On : 05 Oct 2018 16:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:46:10 PM

Quant Time: Oct 05 18:20:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	225239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	327751	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	152283	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
35) Dibromofluoromethane	5.50	113	125136	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
50) Toluene-d8	8.71	98	476571	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.14	95	184837	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	160755	52.345	ug/l	97
3) Chloromethane	1.32	50	172628	46.331	ug/l	99
4) Vinyl Chloride	1.40	62	173050	49.520	ug/l	99
5) Bromomethane	1.64	94	127702	61.625	ug/l	95
6) Chloroethane	1.72	64	100554	52.936	ug/l	95
7) Trichlorofluoromethane	1.93	101	232605	53.766	ug/l	94
8) Diethyl Ether	2.18	74	88737	47.214	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	132570	53.795	ug/l	99
10) Methyl Iodide	2.51	142	147235	44.648	ug/l	91
11) Tert butyl alcohol	3.06	59	185542	206.237	ug/l	98
12) 1,1-Dichloroethene	2.37	96	118944	48.737	ug/l	95
13) Acrolein	2.29	56	65269	101.967	ug/l	91
14) Allyl chloride	2.73	41	266588	50.063	ug/l	95
15) Acrylonitrile	3.15	53	448475	226.447	ug/l	96
16) Acetone	2.44	43	394523	210.024	ug/l	92
17) Carbon Disulfide	2.57	76	328591	44.807	ug/l	100
18) Methyl Acetate	2.78	43	257127	54.026	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	442693	52.587	ug/l	97
20) Methylene Chloride	2.85	84	138417	50.692	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	127235	47.625	ug/l	83
22) Diisopropyl ether	3.87	45	498974	55.646	ug/l	98
23) Vinyl Acetate	3.82	43	2126335	259.058	ug/l	97
24) 1,1-Dichloroethane	3.70	63	262080	48.997	ug/l	99
25) 2-Butanone	4.70	43	581821	210.126	ug/l	97
26) 2,2-Dichloropropane	4.58	77	192833	51.771	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	139255	46.659	ug/l	93
28) Bromochloromethane	5.02	49	117731	46.740	ug/l	97
29) Tetrahydrofuran	5.15	42	378047	219.670	ug/l	97
30) Chloroform	5.21	83	239317	47.341	ug/l	97
31) Cyclohexane	5.57	56	215675	52.682	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	206614	50.046	ug/l	96
36) 1,1-Dichloropropene	5.79	75	176647	46.610	ug/l	95
37) Ethyl Acetate	4.85	43	209668	41.678	ug/l	98
38) Carbon Tetrachloride	5.78	117	183224	45.992	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100518\
 Data File : VX005069.D
 Acq On : 05 Oct 2018 16:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:46:10 PM

Quant Time: Oct 05 18:20:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	214790	55.503	ug/l #	84
40) Benzene	6.14	78	530262	44.692	ug/l	96
41) Methacrylonitrile	5.06	41	120748	43.281	ug/l	97
42) 1,2-Dichloroethane	6.20	62	191414	45.636	ug/l	97
43) Isopropyl Acetate	6.46	43	329596	45.393	ug/l	97
44) Trichloroethene	7.21	130	145254	49.800	ug/l	96
45) 1,2-Dichloropropane	7.51	63	147047	50.538	ug/l	98
46) Dibromomethane	7.66	93	94688	51.782	ug/l	96
47) Bromodichloromethane	7.90	83	181597	53.042	ug/l	99
48) Methyl methacrylate	7.77	41	172911	52.466	ug/l	99
49) 1,4-Dioxane	7.75	88	58529	714.840	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1145721	250.603	ug/l	99
52) Toluene	8.79	92	334577	51.319	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	204873	52.955	ug/l	91
54) cis-1,3-Dichloropropene	8.43	75	221447	54.647	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	140321	49.136	ug/l	96
56) Ethyl methacrylate	9.18	69	216482	46.902	ug/l	98
57) 1,3-Dichloropropane	9.37	76	234420	49.321	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	598180	243.490	ug/l	99
59) 2-Hexanone	9.49	43	883045	231.781	ug/l	95
60) Dibromochloromethane	9.59	129	146966	51.459	ug/l	100
61) 1,2-Dibromoethane	9.67	107	143883	47.045	ug/l	96
64) Tetrachloroethene	9.34	164	145986	48.438	ug/l	96
65) Chlorobenzene	10.14	112	378638	48.220	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	140085	50.745	ug/l	99
67) Ethyl Benzene	10.25	91	647796	51.963	ug/l	94
68) m/p-Xylenes	10.36	106	507176	104.109	ug/l	95
69) o-Xylene	10.70	106	241913	54.064	ug/l	99
70) Styrene	10.71	104	414211	49.517	ug/l	100
71) Bromoform	10.86	173	118879	50.300	ug/l	97
73) Isopropylbenzene	11.02	105	664270	54.280	ug/l	100
74) N-amyl acetate	10.90	43	304010	45.364	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	221515	44.466	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	206418m	47.433	ug/l	
77) Bromobenzene	11.26	156	175715	49.433	ug/l	100
78) n-propylbenzene	11.36	91	776267	55.284	ug/l	99
79) 2-Chlorotoluene	11.42	91	455726	52.069	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	569886	50.811	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	66584	42.059	ug/l	99
82) 4-Chlorotoluene	11.51	91	546213	53.021	ug/l	99
83) tert-Butylbenzene	11.77	119	561820	55.759	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	589236	50.944	ug/l	99
85) sec-Butylbenzene	11.94	105	689991	56.221	ug/l	100
86) p-Isopropyltoluene	12.07	119	623988	56.118	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	333329	50.219	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	337957	49.324	ug/l	99
89) n-Butylbenzene	12.39	91	576273	57.066	ug/l	100
90) Hexachloroethane	12.60	117	99633	53.817	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	329674	47.528	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	49608	45.353	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
Data File : VX005069.D
Acq On : 05 Oct 2018 16:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

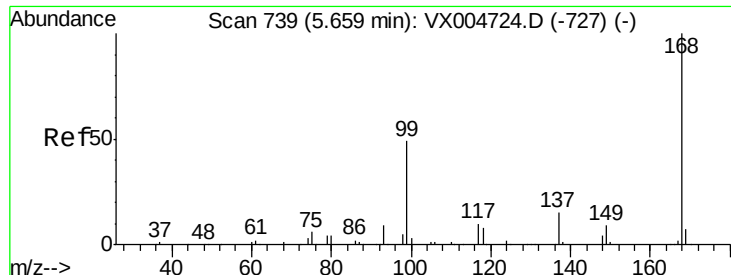
Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM

Quant Time: Oct 05 18:20:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	263333	54.119	ug/l	99
94) Hexachlorobutadiene	13.79	225	131072	51.947	ug/l	99
95) Naphthalene	13.83	128	772320	47.853	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	260682	51.862	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 225239

Ion Ratio Lower Upper

168 100

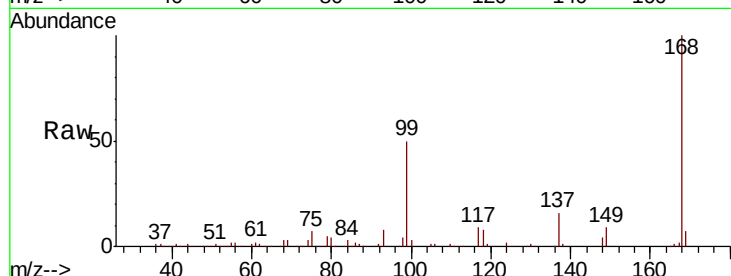
99 50.2 39.3 58.9

Manual Integrations

APPROVED

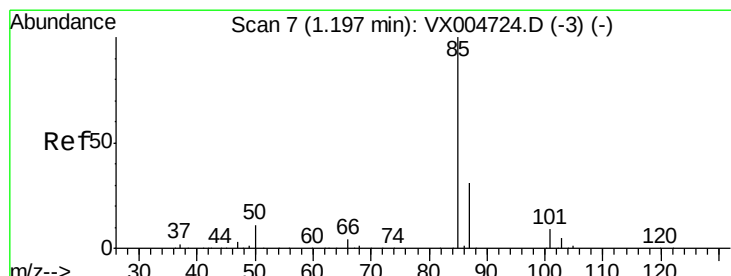
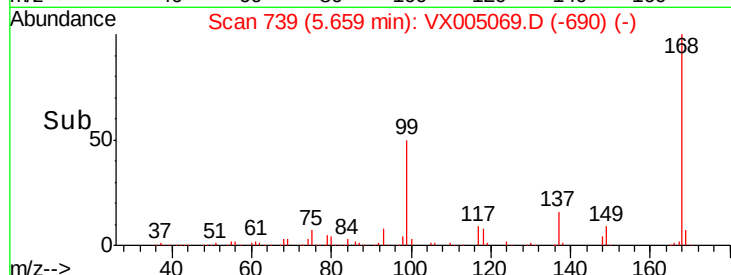
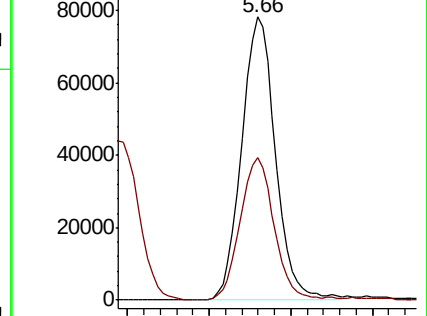
MMDadoda

10/8/2018 1:46:10 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 52.345 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005069.D

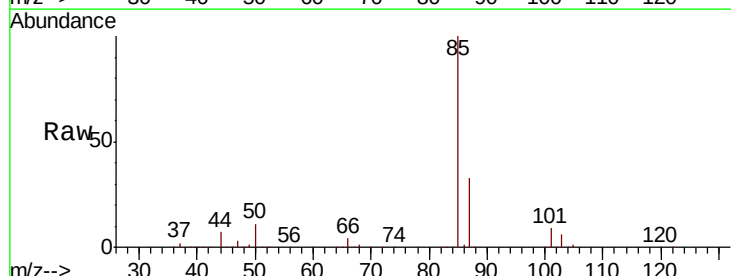
Acq: 05 Oct 2018 16:37

Tgt Ion: 85 Resp: 160755

Ion Ratio Lower Upper

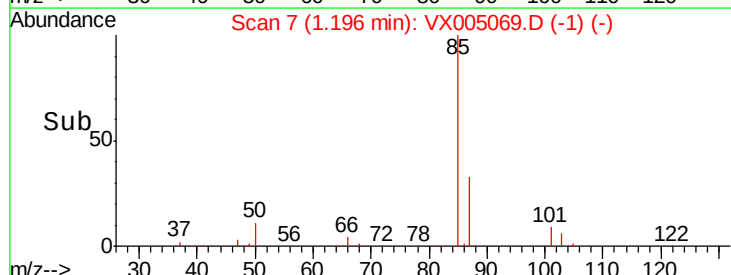
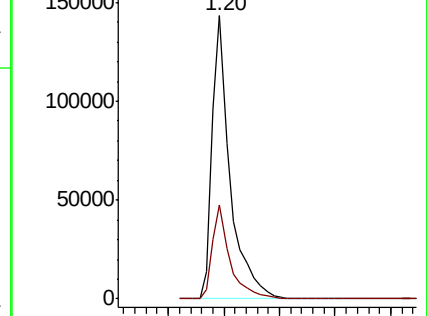
85 100

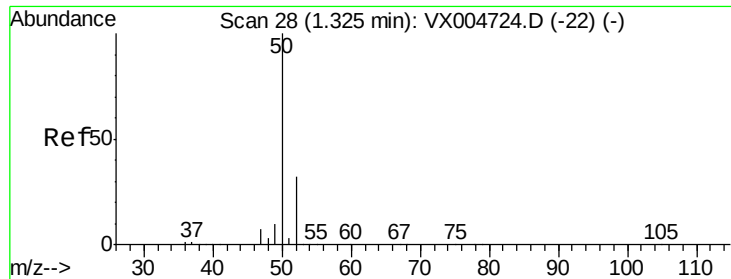
87 33.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.331 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 172628

Ion Ratio Lower Upper

50 100

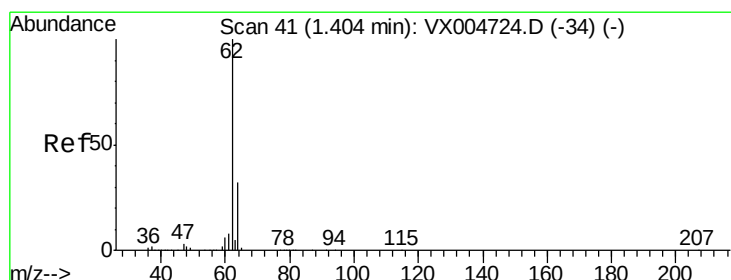
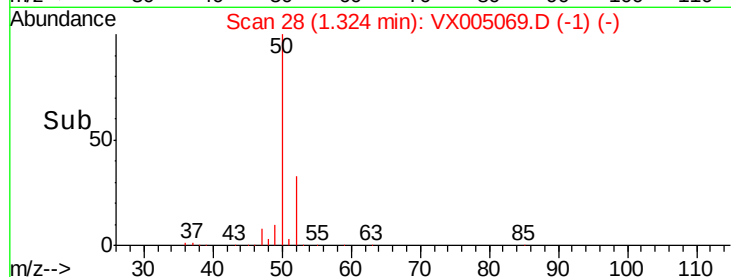
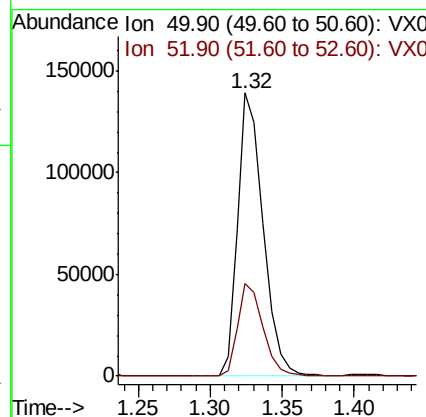
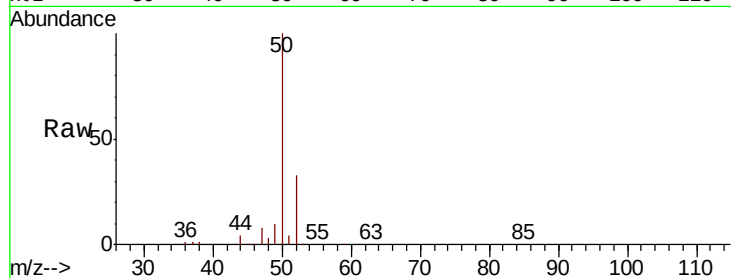
52 32.8 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:46:10 PM



#4

Vinyl Chloride

Concen: 49.520 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005069.D

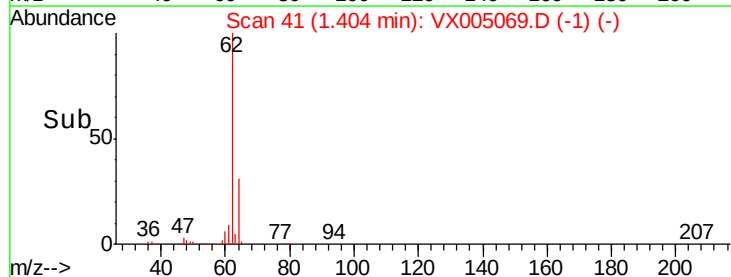
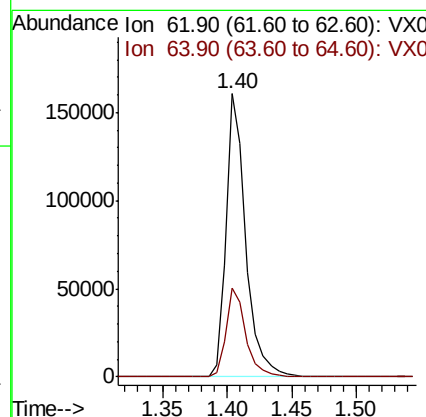
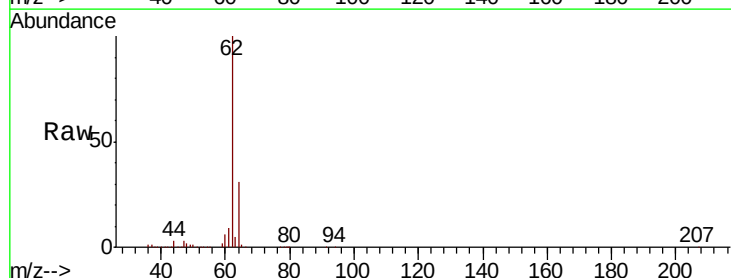
Acq: 05 Oct 2018 16:37

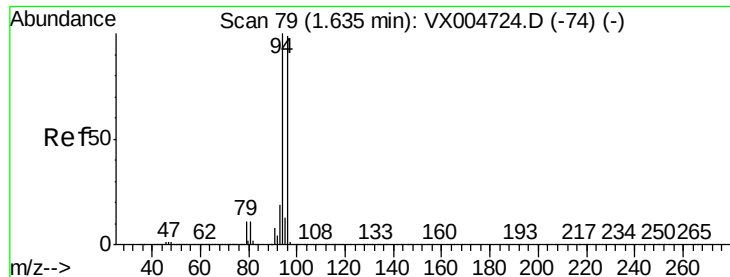
Tgt Ion: 62 Resp: 173050

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3





#5

Bromomethane

Concen: 61.625 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 127702

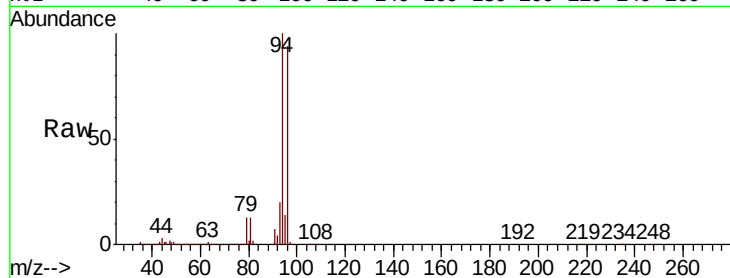
Ion Ratio Lower Upper

94 100

96 93.9 79.5 119.3

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

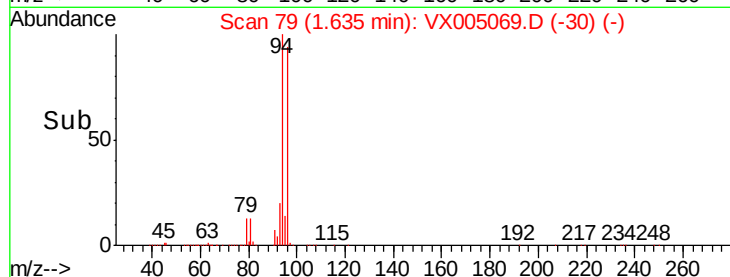
150000

100000

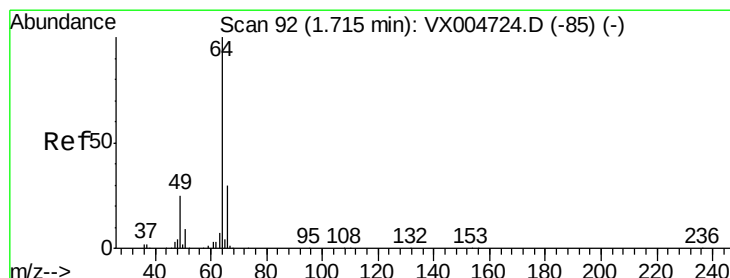
50000

0

Time-->



Time-->



#6

Chloroethane

Concen: 52.936 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005069.D

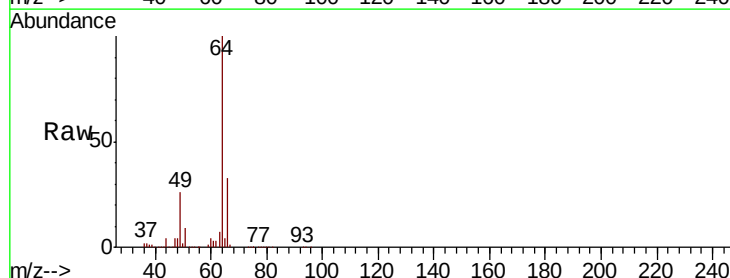
Acq: 05 Oct 2018 16:37

Tgt Ion: 64 Resp: 100554

Ion Ratio Lower Upper

64 100

66 32.6 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

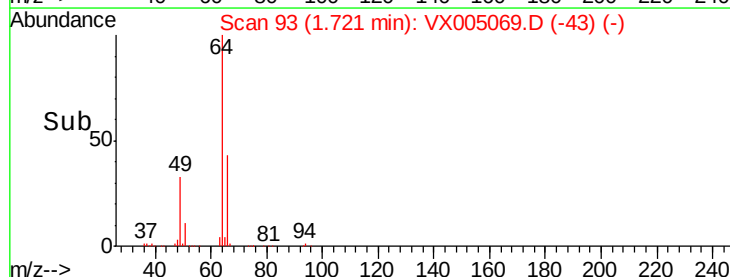
60000

40000

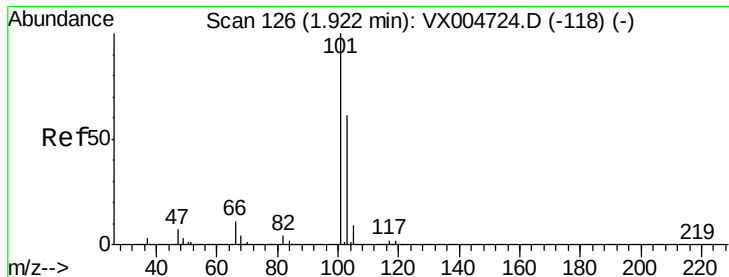
20000

0

Time-->



Time-->



#7

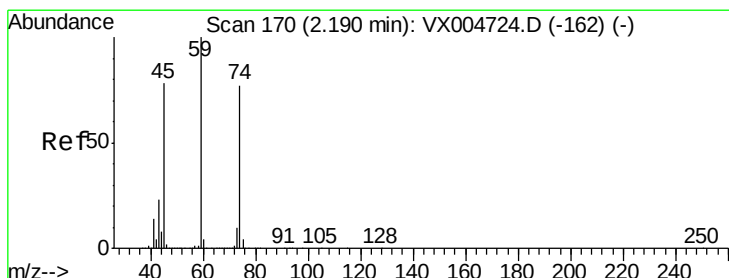
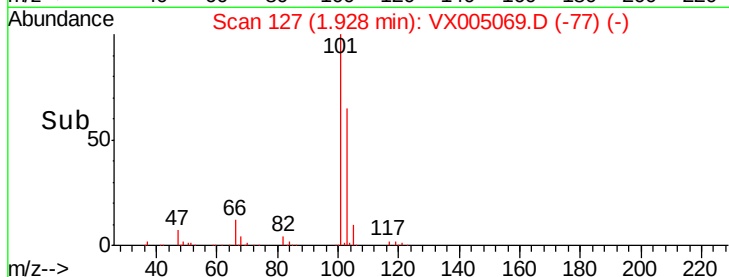
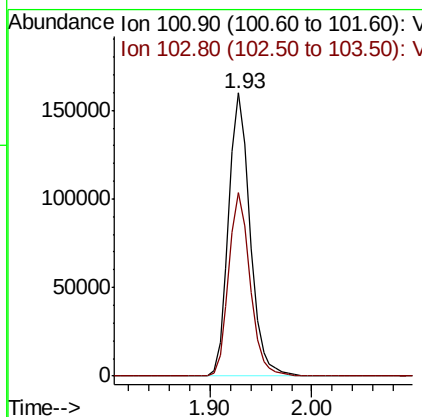
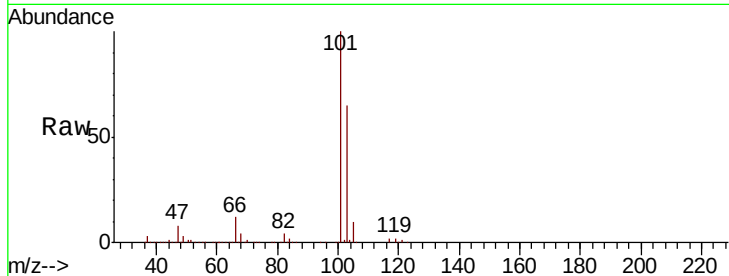
Trichlorofluoromethane
 Concen: 53.766 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	48.4	72.6

Manual Integrations
 APPROVED

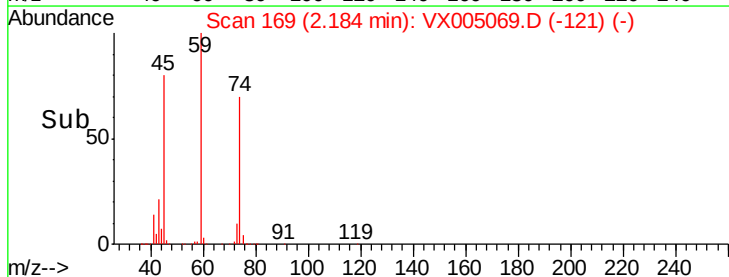
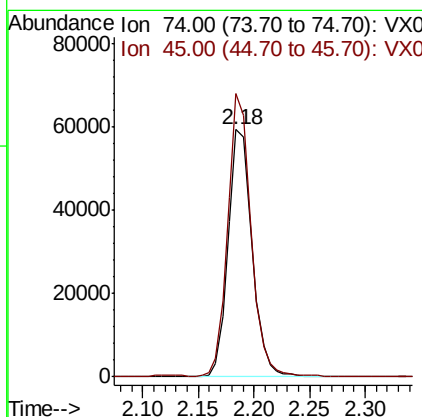
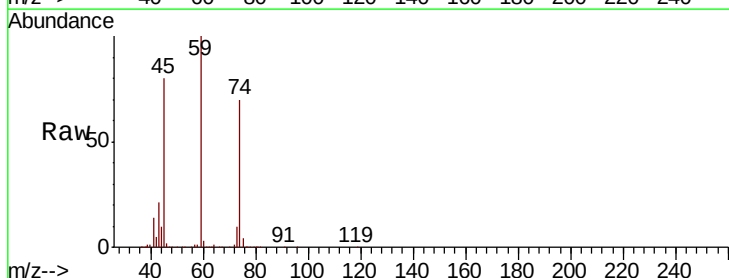
MMDadoda
 10/8/2018 1:46:10 PM

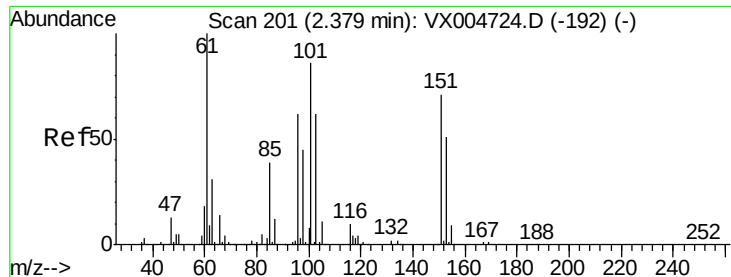


#8

Diethyl Ether
 Concen: 47.214 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.9	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.795 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

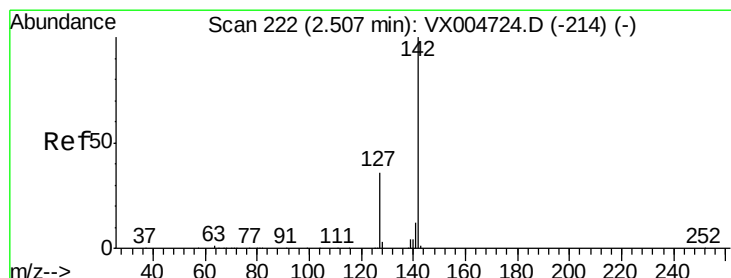
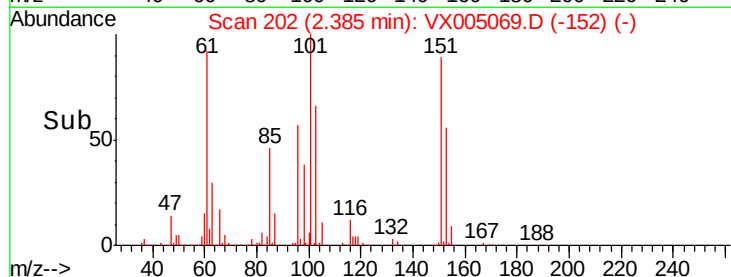
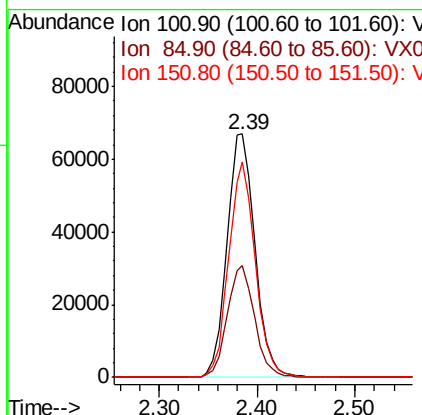
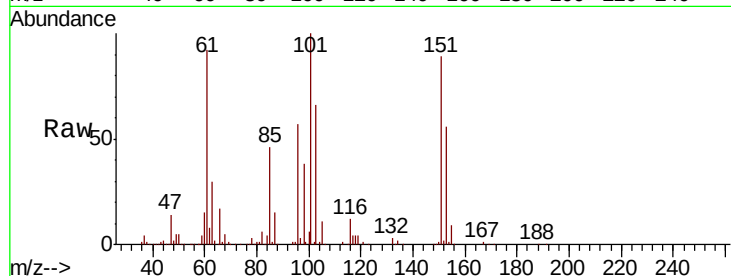
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	132570
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.9	53.9
151	84.5	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



#10

Methyl Iodide

Concen: 44.648 ug/l

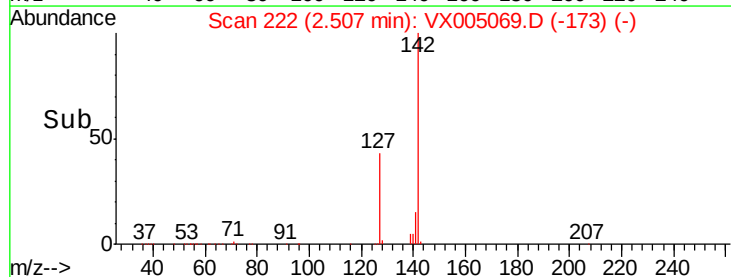
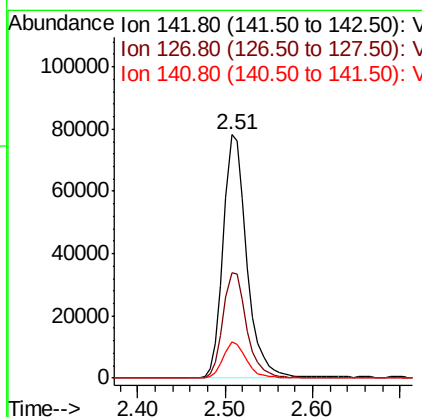
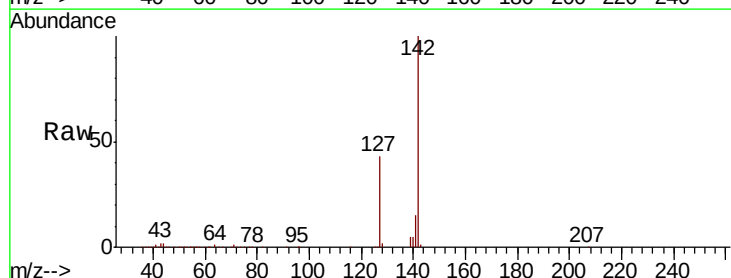
RT: 2.51 min Scan# 222

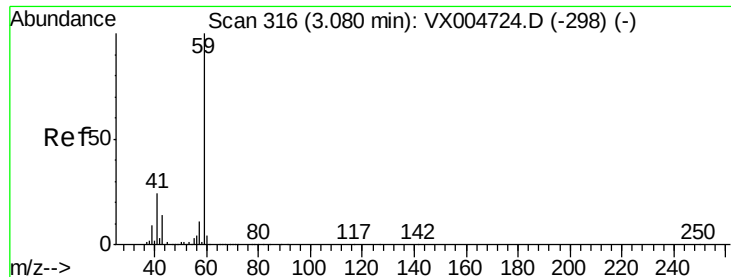
Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion:	142	Resp:	147235
Ion Ratio	Lower	Upper	
142	100		
127	43.9	30.1	45.1
141	14.9	10.1	15.1





#11

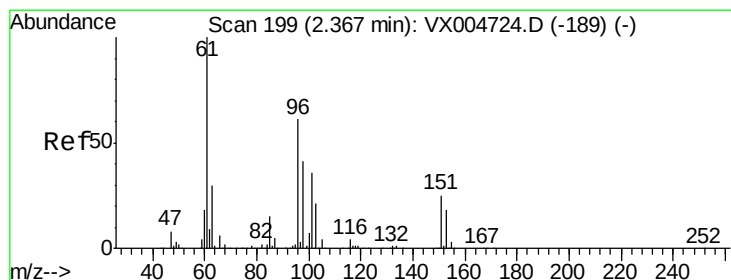
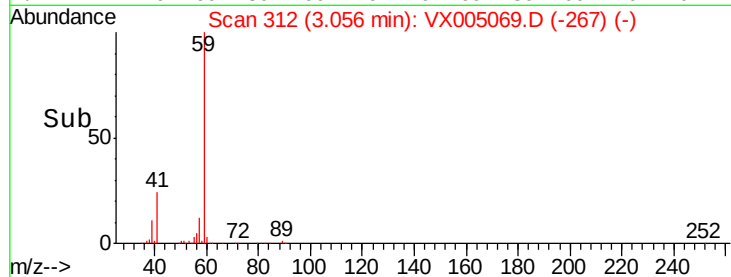
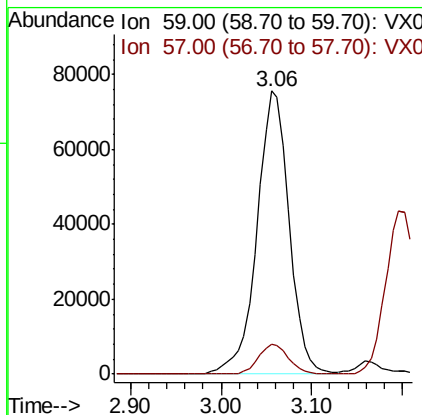
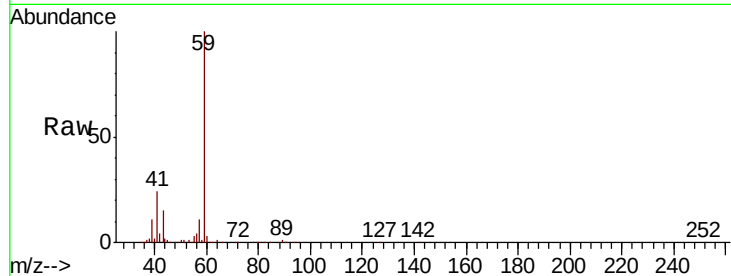
Tert butyl alcohol
Concen: 206.237 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.6	12.8

Manual Integrations
APPROVED

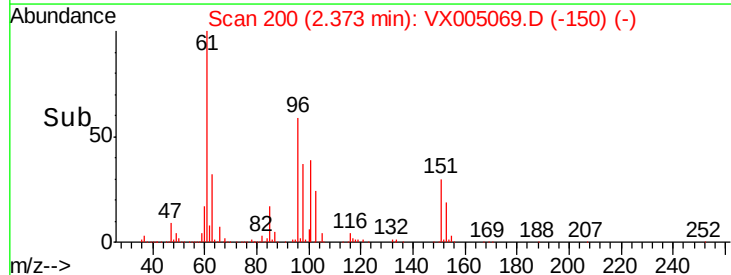
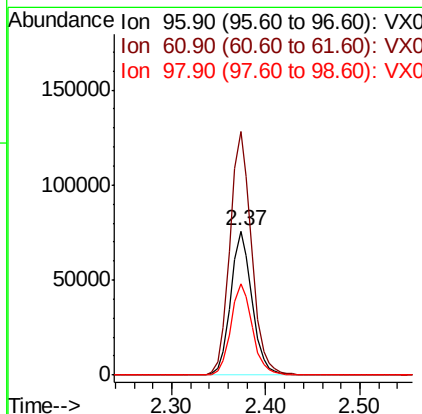
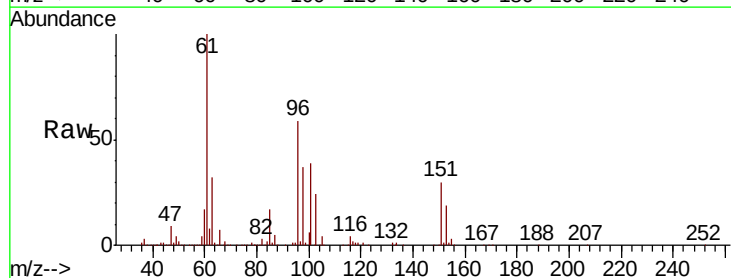
MMDadoda
10/8/2018 1:46:10 PM

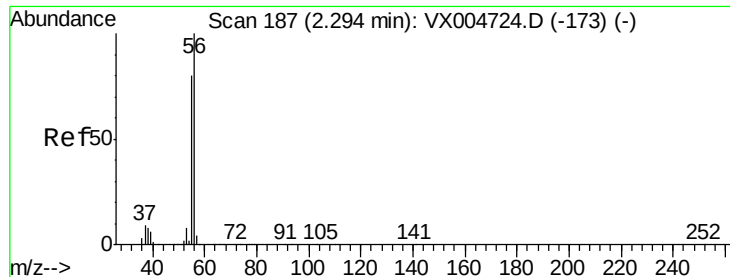


#12

1,1-Dichloroethene
Concen: 48.737 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	130.2	195.4
98	63.2	53.4	80.0





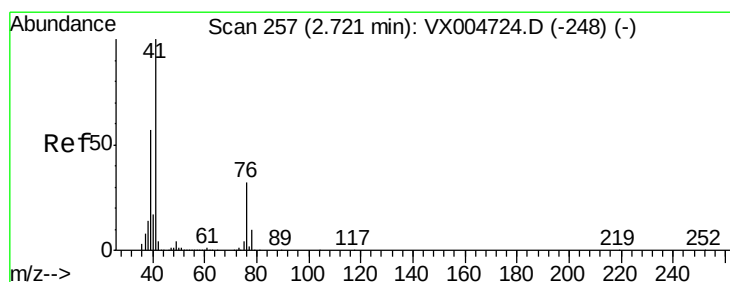
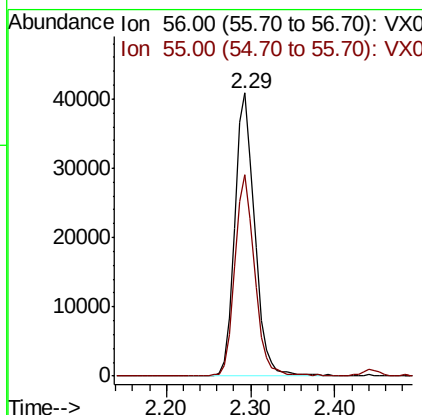
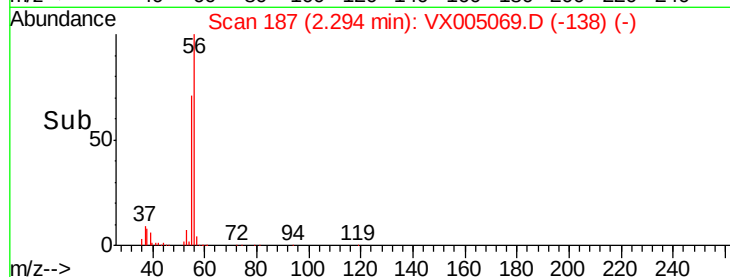
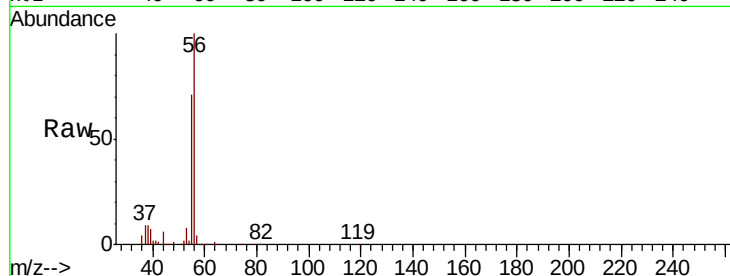
#13
Acrolein
Concen: 101.967 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	63.4	95.2

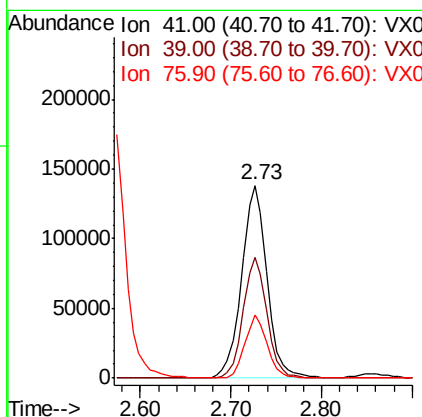
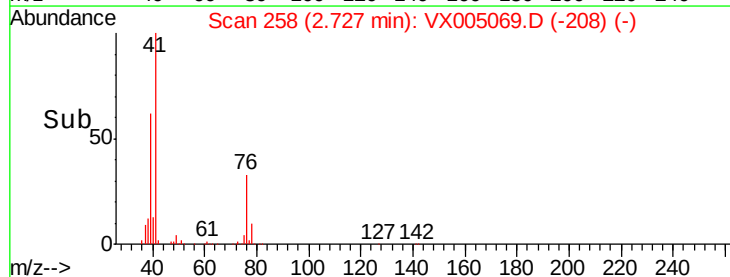
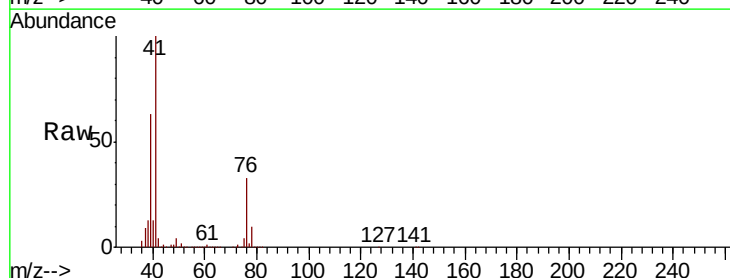
Manual Integrations
APPROVED

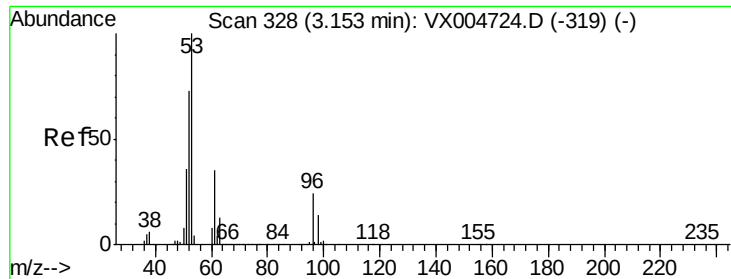
MMDadoda
10/8/2018 1:46:10 PM



#14
Allyl chloride
Concen: 50.063 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.8	44.1	66.1
76	28.8	25.0	37.4





#15

Acrylonitrile

Concen: 226.447 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

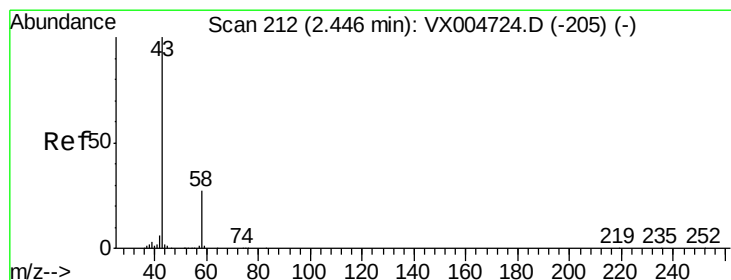
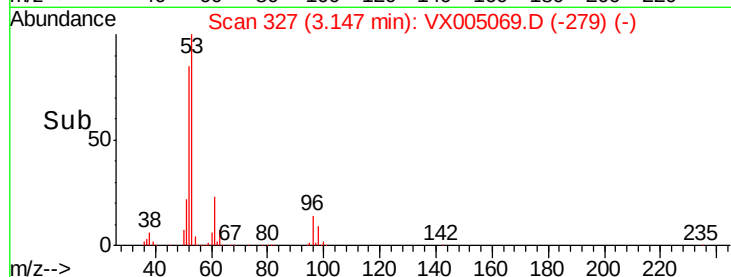
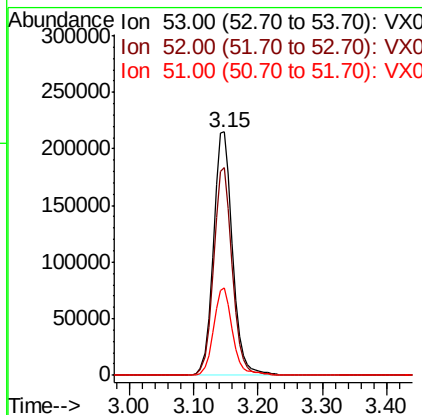
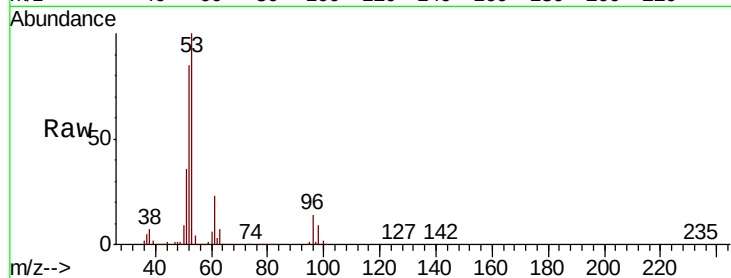
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	448475
Ion Ratio		Lower	Upper
53	100		
52	83.2	63.0	94.4
51	35.7	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



#16

Acetone

Concen: 210.024 ug/l

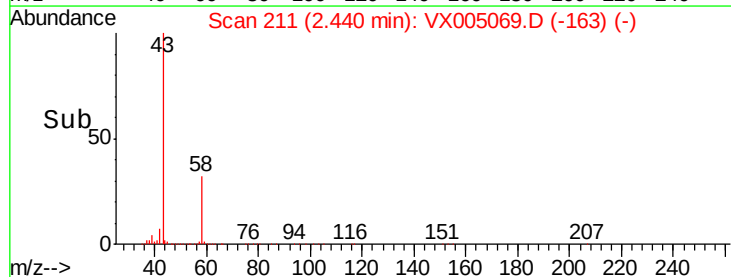
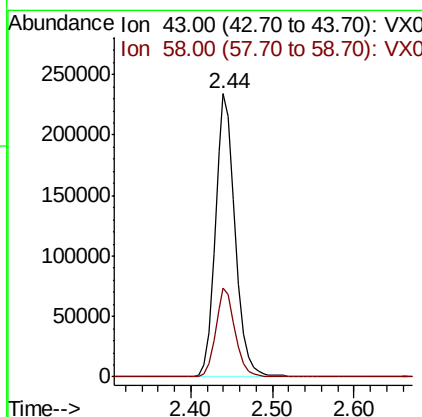
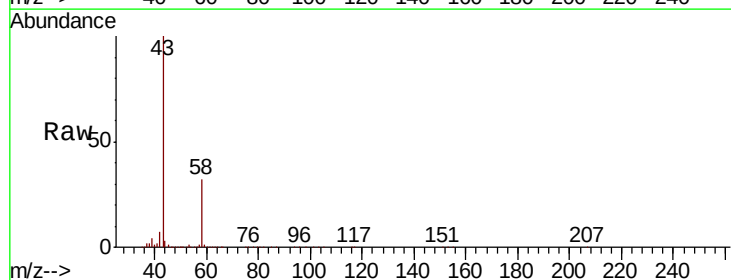
RT: 2.44 min Scan# 211

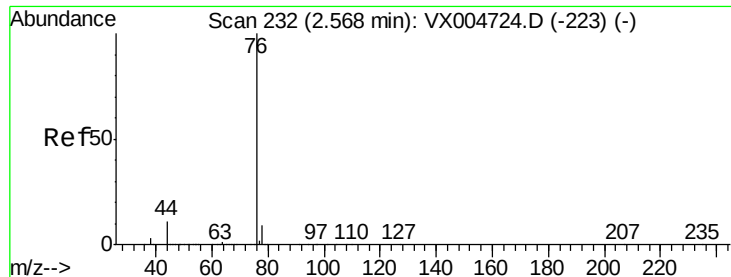
Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion:	43	Resp:	394523
Ion Ratio		Lower	Upper
43	100		
58	31.6	21.8	32.6





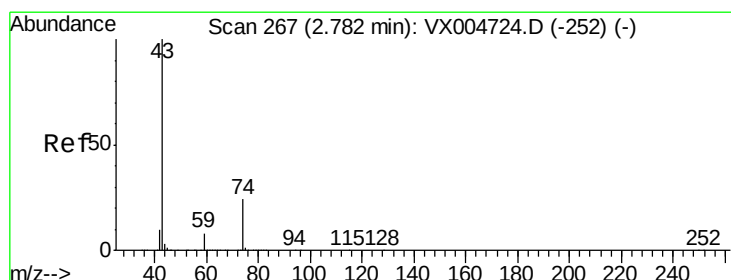
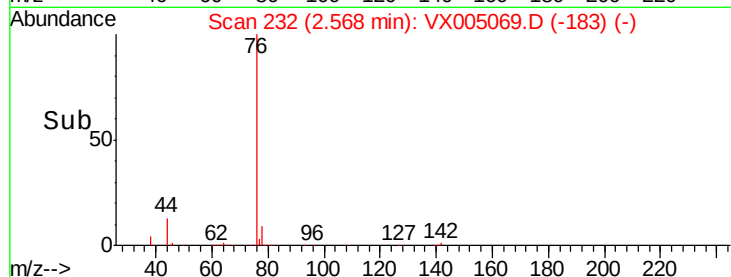
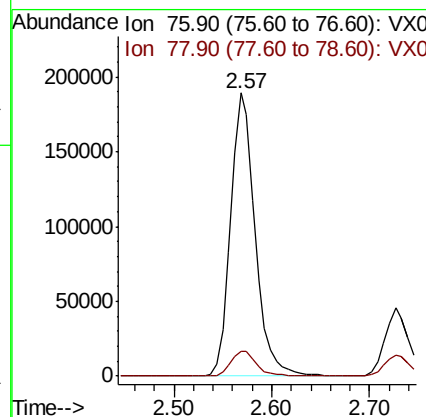
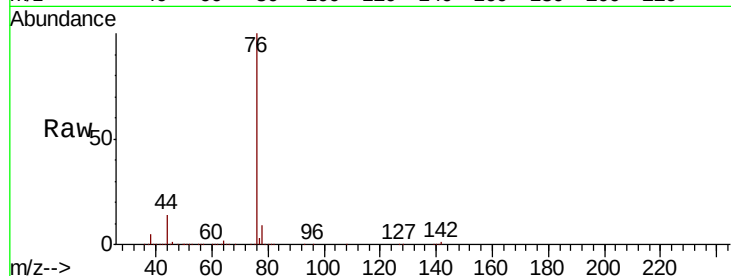
#17
Carbon Disulfide
Concen: 44.807 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

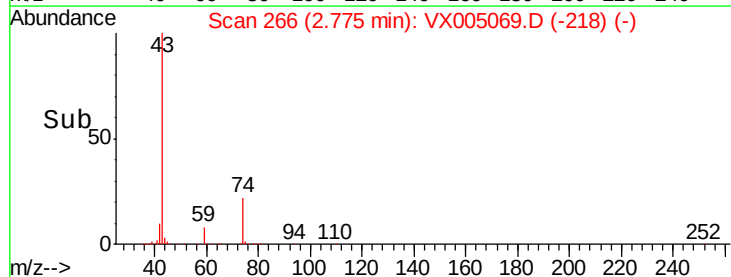
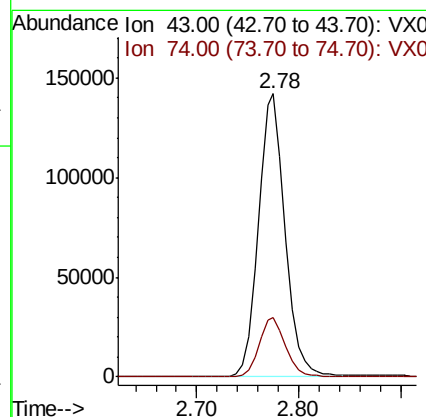
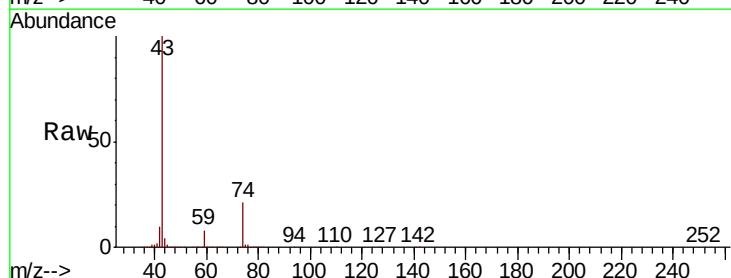
Manual Integrations
APPROVED

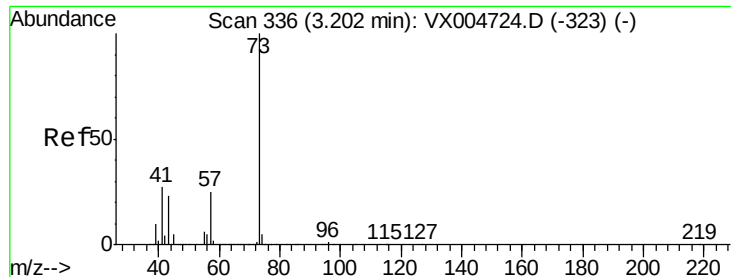
MMDadoda
10/8/2018 1:46:10 PM



#18
Methyl Acetate
Concen: 54.026 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.8	26.8





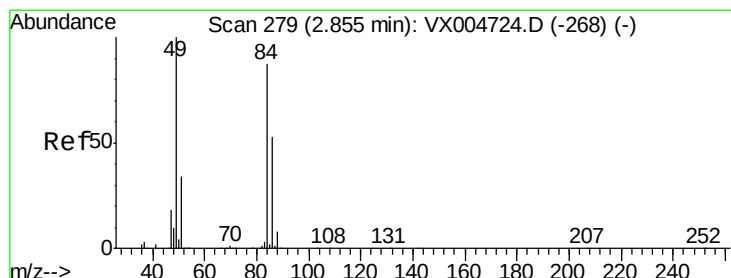
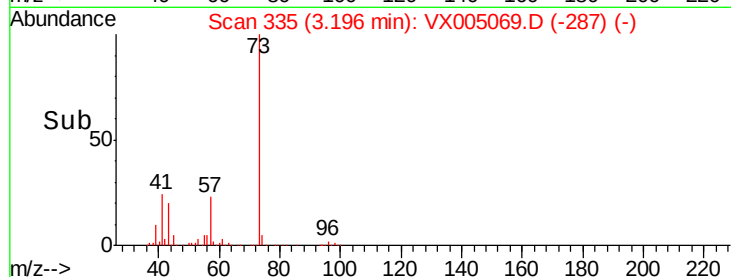
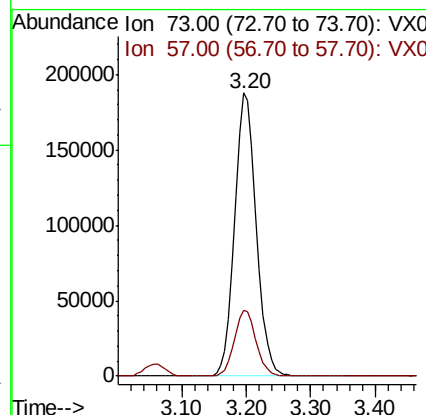
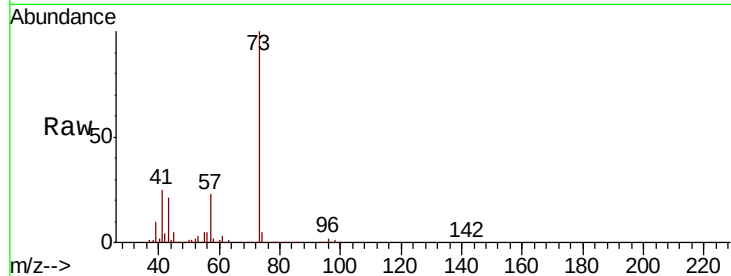
#19
Methyl tert-butyl Ether
Concen: 52.587 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.9	29.9

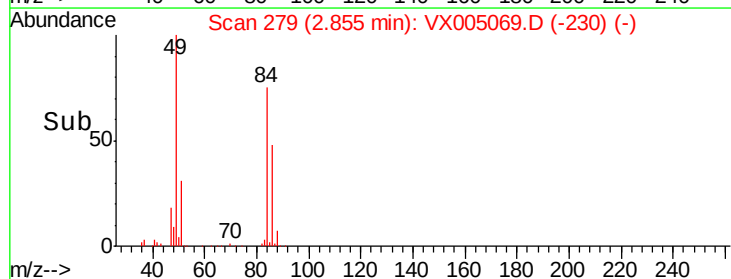
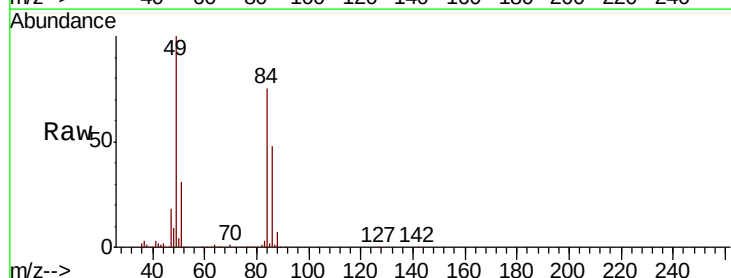
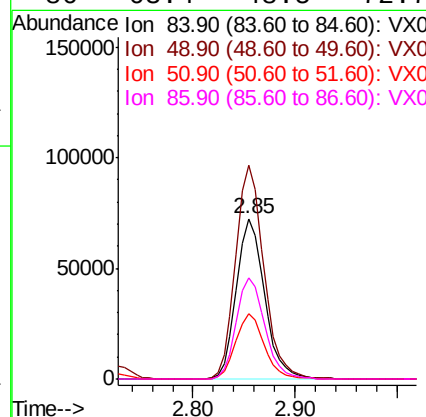
Manual Integrations
APPROVED

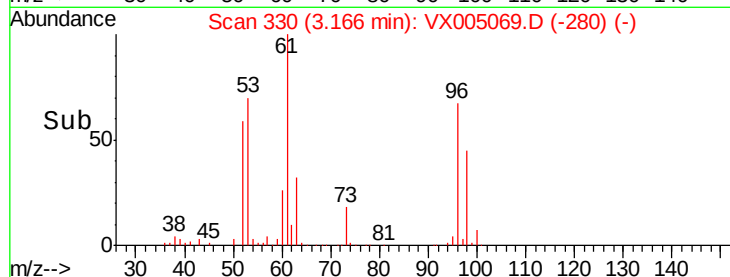
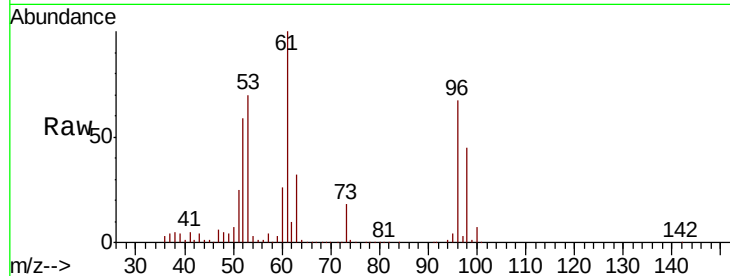
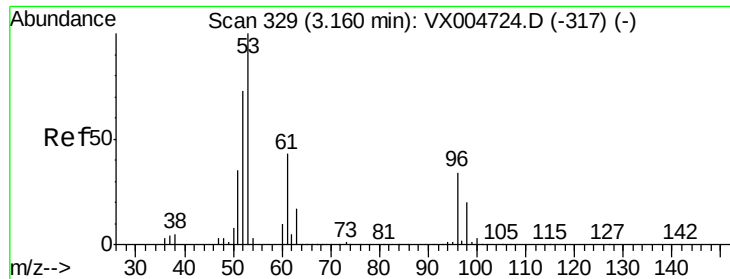
MMDadoda
10/8/2018 1:46:10 PM



#20
Methylene Chloride
Concen: 50.692 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.3	92.3	138.5
51	40.7	31.8	47.6
86	63.4	48.5	72.7





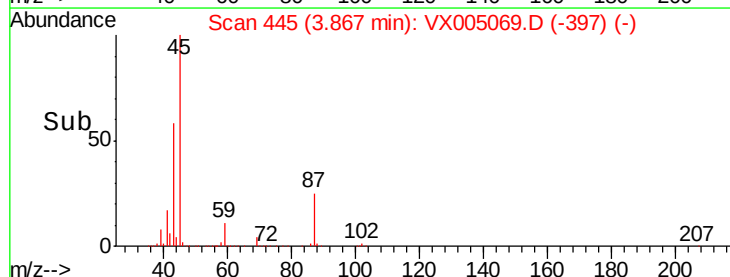
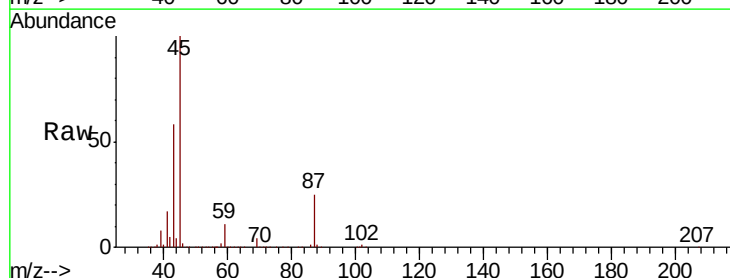
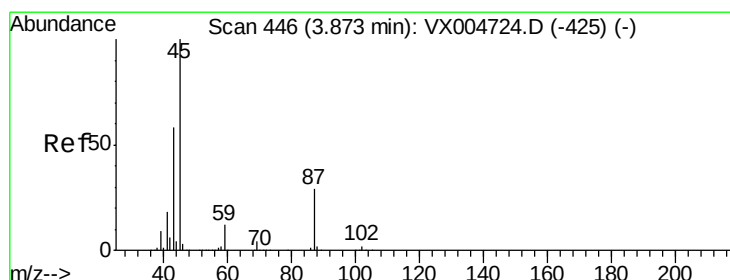
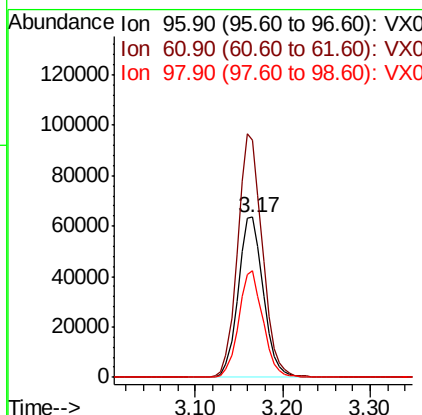
#21
trans-1,2-Dichloroethene
Concen: 47.625 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.7	101.0	151.6
98	66.5	47.2	70.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

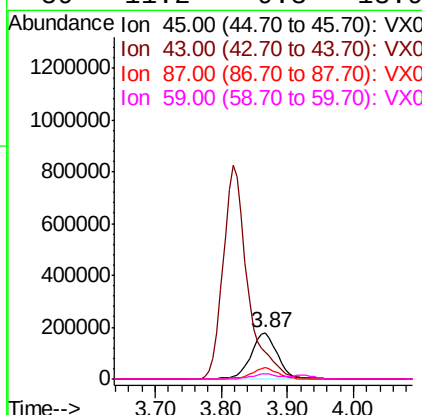
Manual Integrations
APPROVED

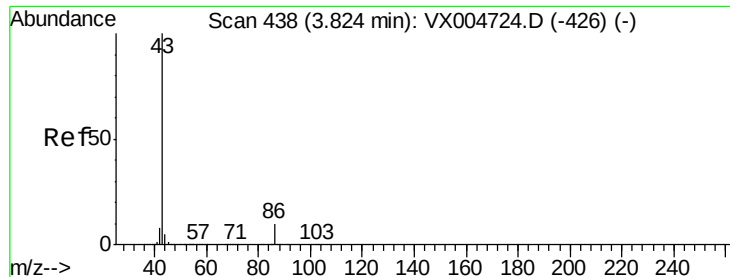
MMDadoda
10/8/2018 1:46:10 PM



#22
Diisopropyl ether
Concen: 55.646 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	46.7	70.1
87	24.7	22.9	34.3
59	11.2	9.3	13.9





#23

Vinyl Acetate

Concen: 259.058 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2126335

Ion Ratio Lower Upper

43 100

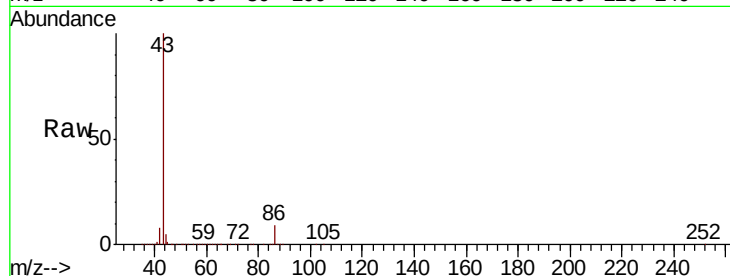
86 9.0 8.1 12.1

Manual Integrations

APPROVED

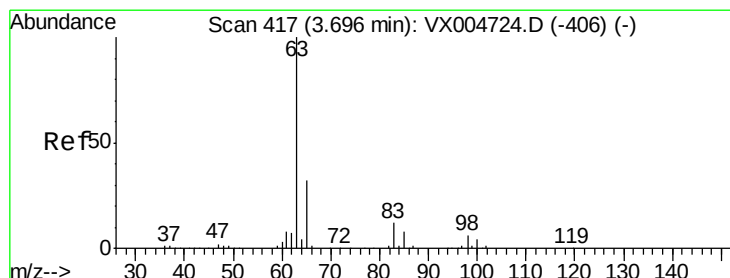
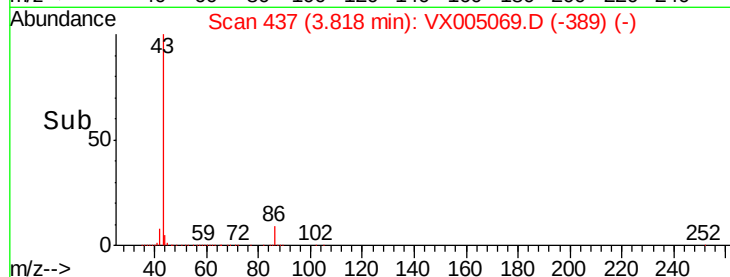
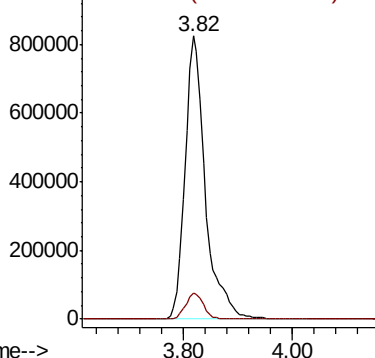
MMDadoda

10/8/2018 1:46:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.997 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

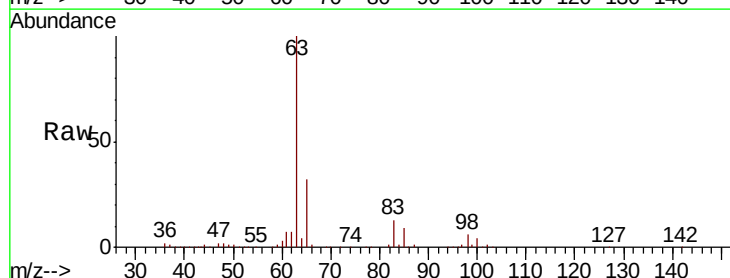
Tgt Ion: 63 Resp: 262080

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

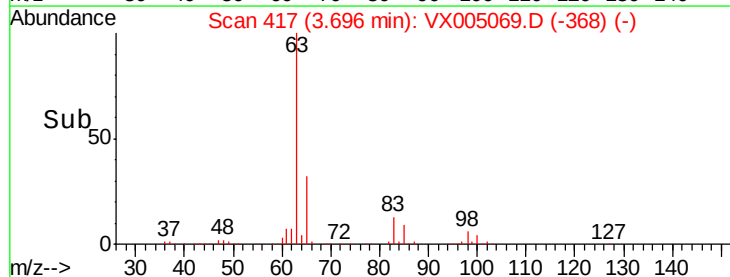
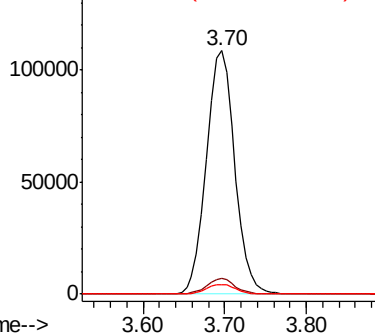
100 4.1 2.0 5.8

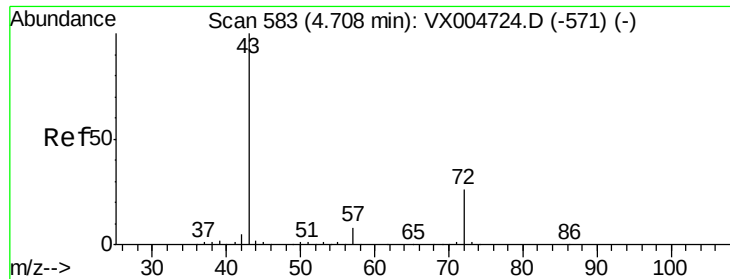


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 210.126 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 581821

Ion Ratio Lower Upper

43 100

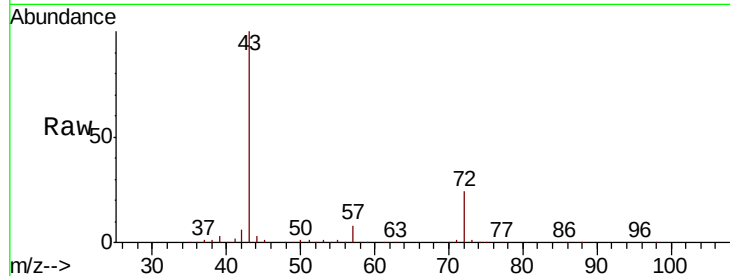
72 24.3 20.8 31.2

Manual Integrations

APPROVED

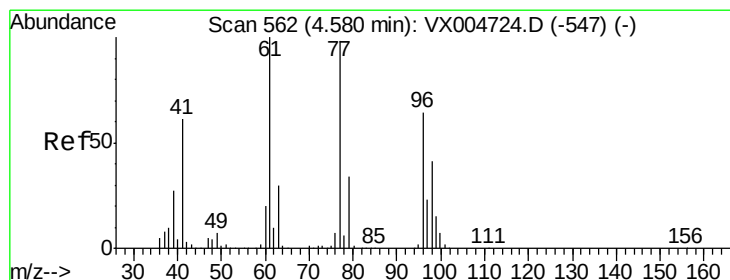
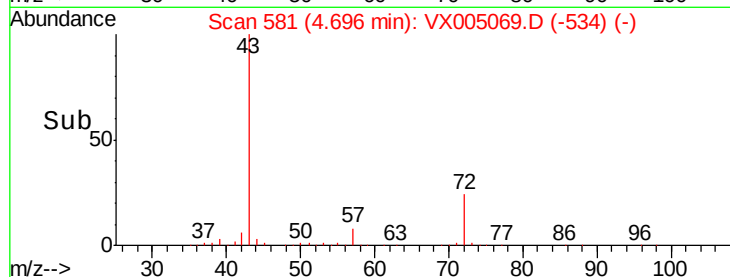
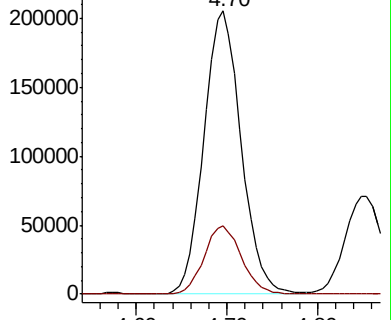
MMDadoda

10/8/2018 1:46:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 51.771 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005069.D

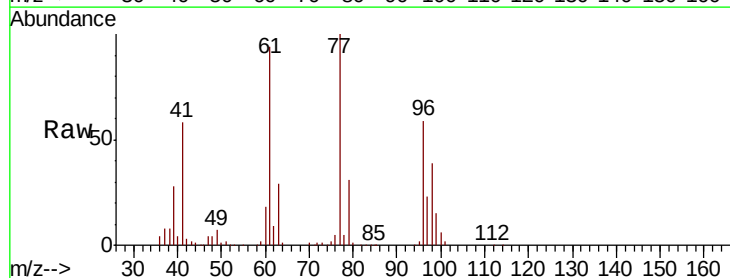
Acq: 05 Oct 2018 16:37

Tgt Ion: 77 Resp: 192833

Ion Ratio Lower Upper

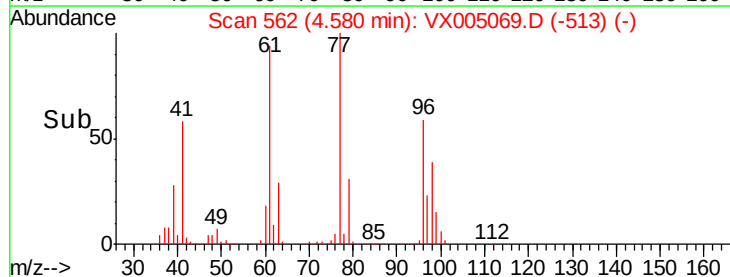
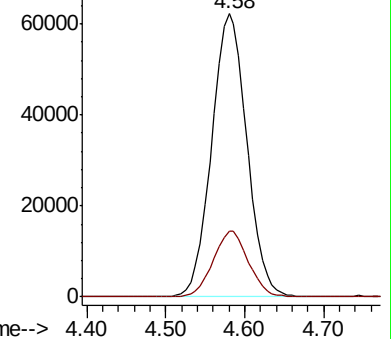
77 100

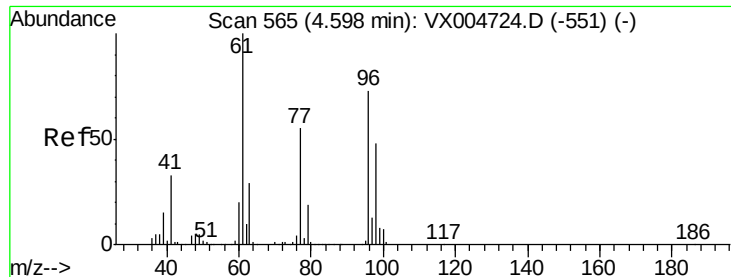
97 23.3 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

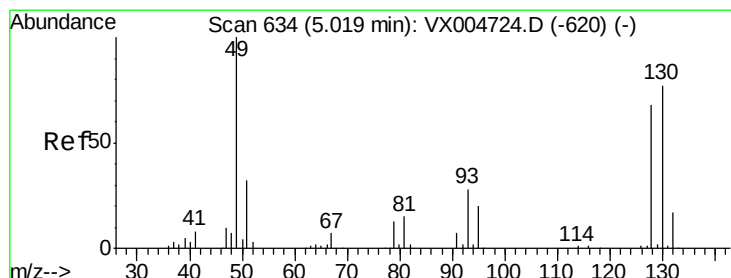
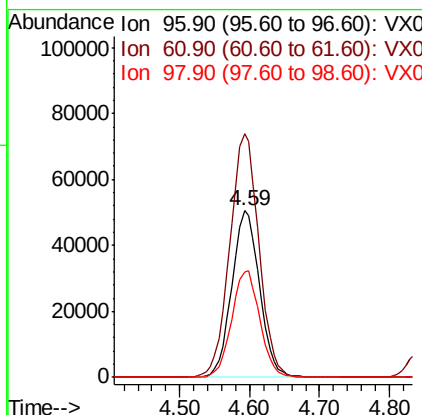
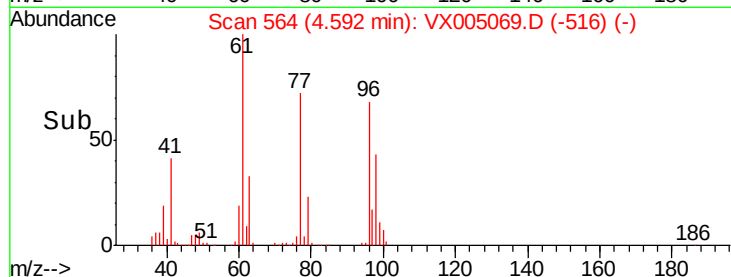
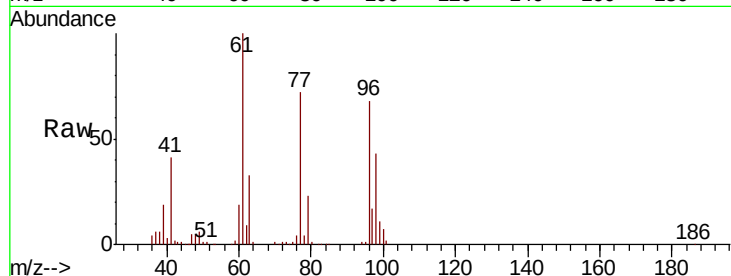
cis-1,2-Dichloroethene
Concen: 46.659 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139255		
61	152.9	0.0	285.8	
98	64.7	0.0	136.2	

Manual Integrations
APPROVED

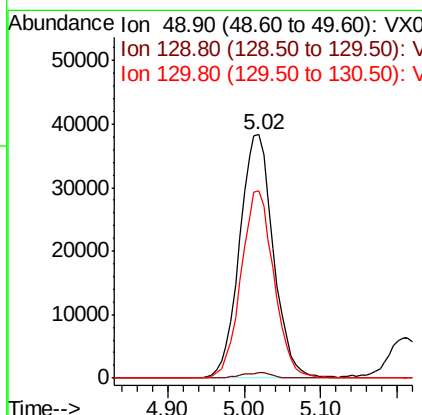
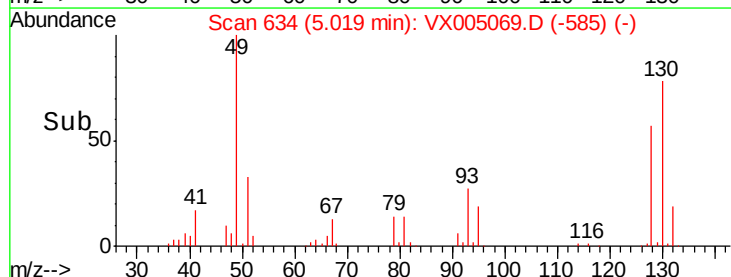
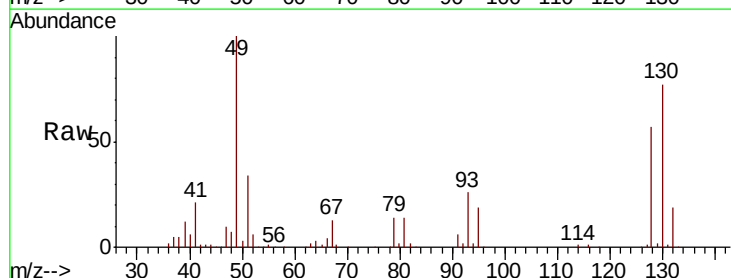
MMDadoda
10/8/2018 1:46:10 PM

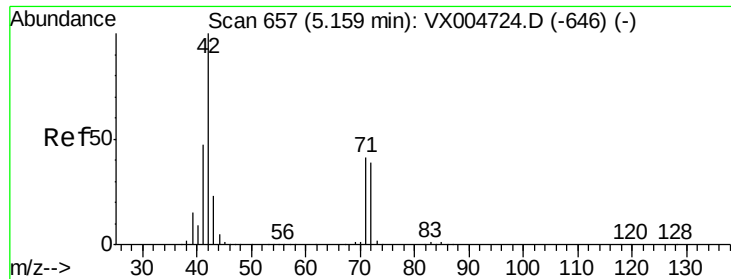


#28

Bromochloromethane
Concen: 46.740 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	117731		
129	2.0	0.0	4.2	
130	74.7	62.0	93.0	





#29

Tetrahydrofuran

Concen: 219.670 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

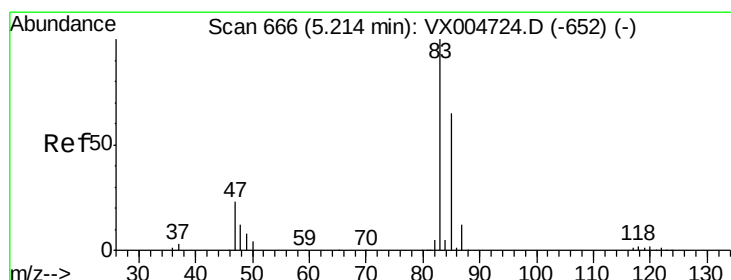
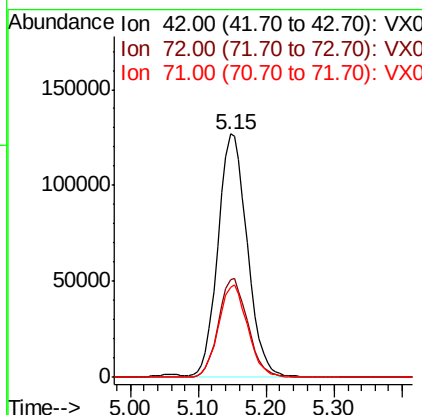
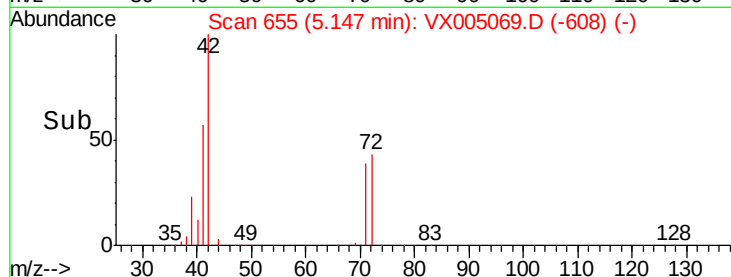
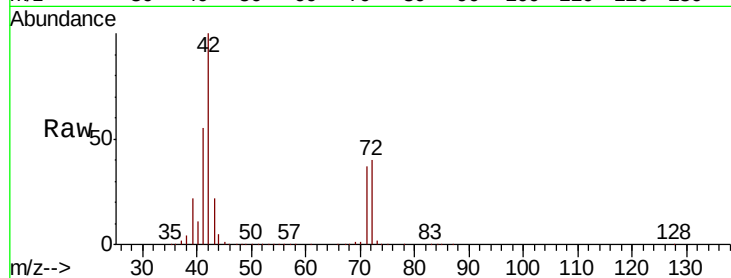
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	378047
Ion Ratio		Lower	Upper
42	100		
72	40.9	33.7	50.5
71	37.9	32.2	48.4

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



#30

Chloroform

Concen: 47.341 ug/l

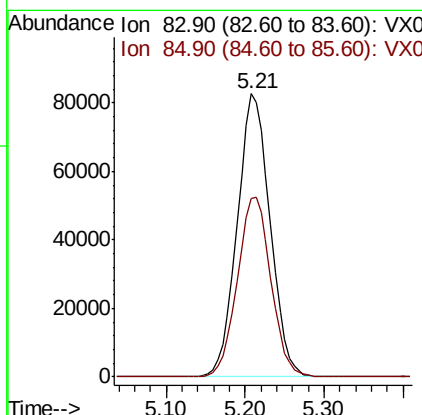
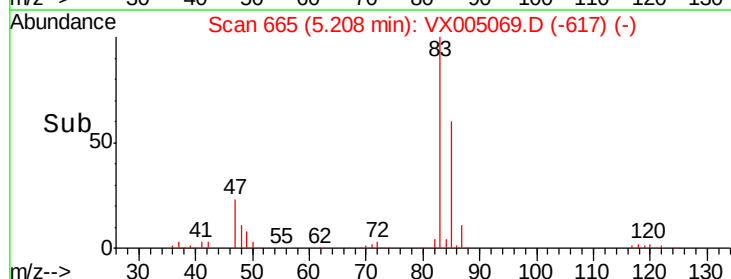
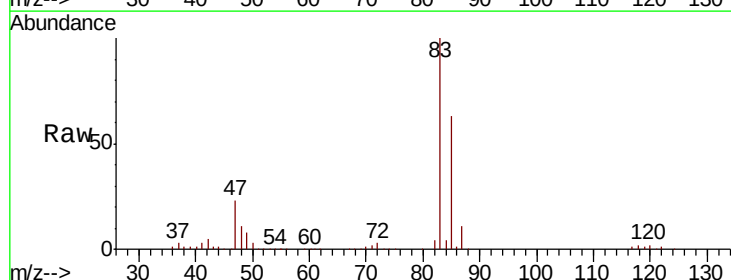
RT: 5.21 min Scan# 665

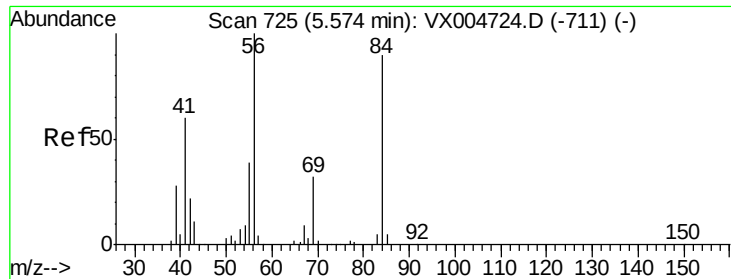
Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion:	83	Resp:	239317
Ion Ratio		Lower	Upper
83	100		
85	63.0	52.4	78.6





#31

Cyclohexane

Concen: 52.682 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

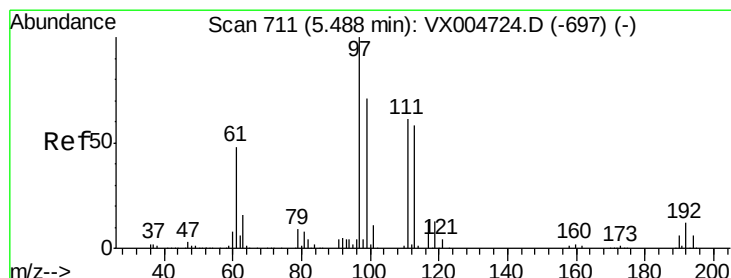
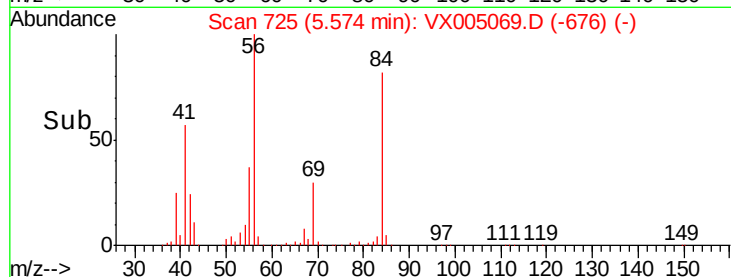
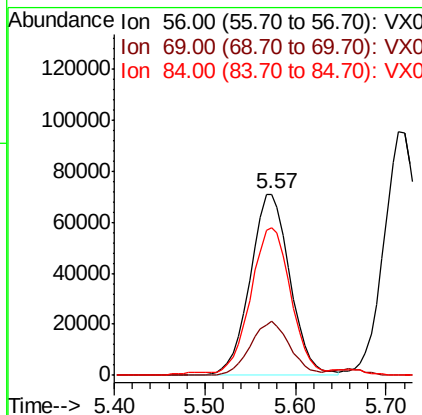
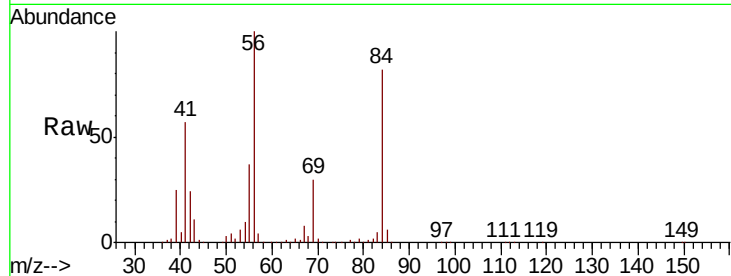
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	215675
Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.9	38.9
84	80.4	71.9	107.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



#32

1,1,1-Trichloroethane

Concen: 50.046 ug/l

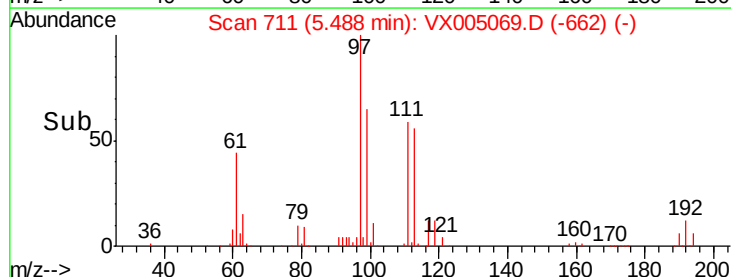
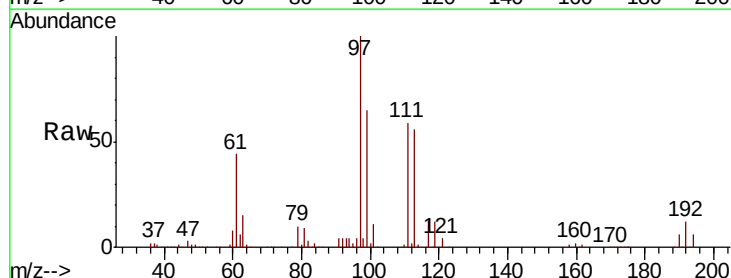
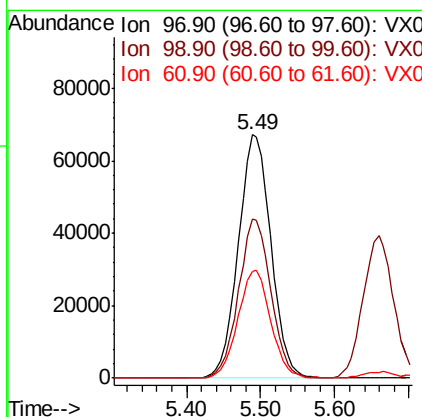
RT: 5.49 min Scan# 711

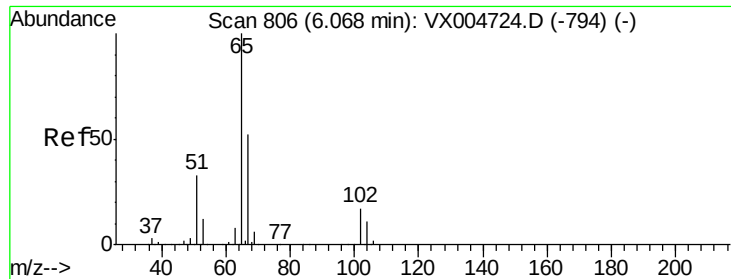
Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion:	97	Resp:	206614
Ion	Ratio	Lower	Upper
97	100		
99	64.7	54.6	82.0
61	44.3	37.5	56.3





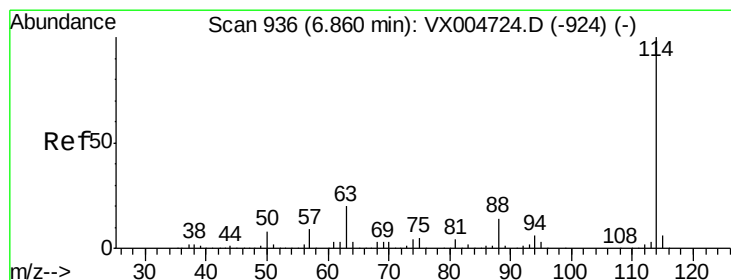
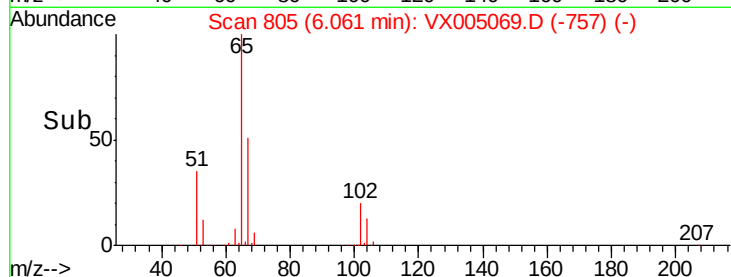
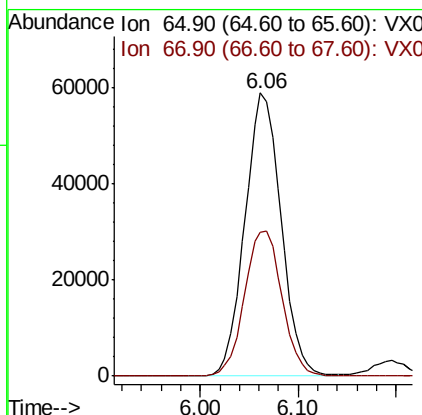
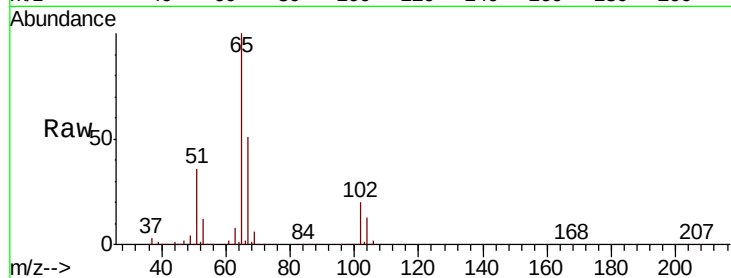
#33
 1,2-Dichloroethane-d4
 Concen: 47.329 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.4

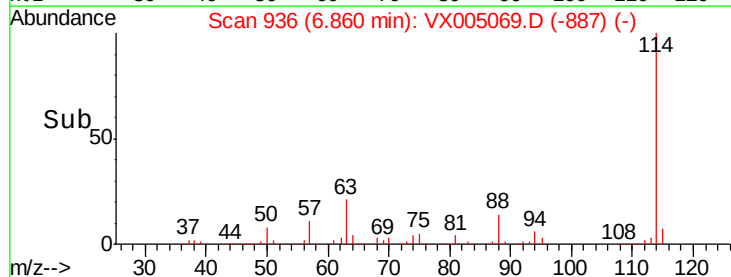
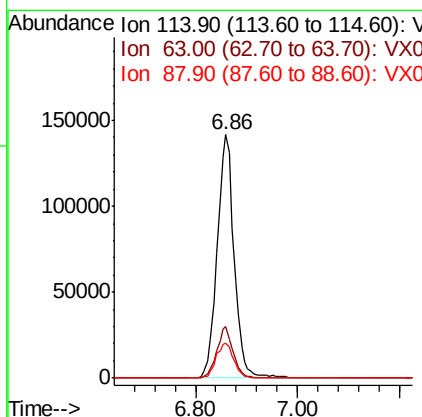
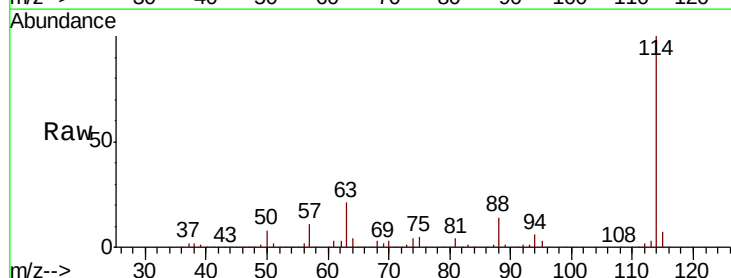
Manual Integrations
 APPROVED

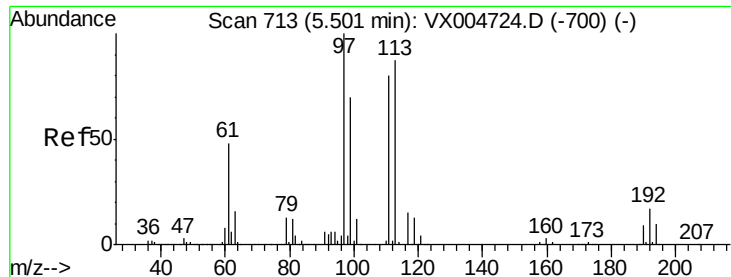
MMDadoda
 10/8/2018 1:46:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	39.8
88	14.4	0.0	27.0





#35

Dibromofluoromethane

Concen: 45.050 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

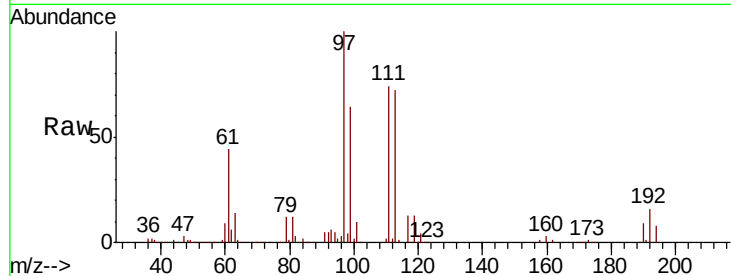
ClientSampleId :

VSTDCCC050

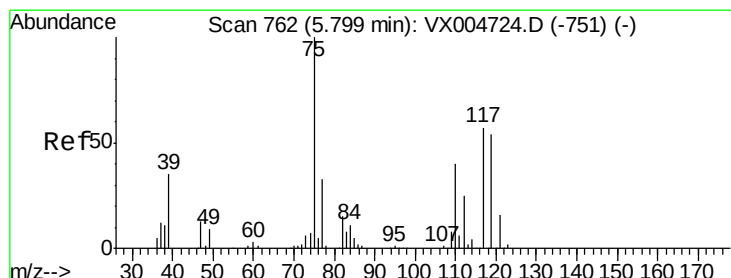
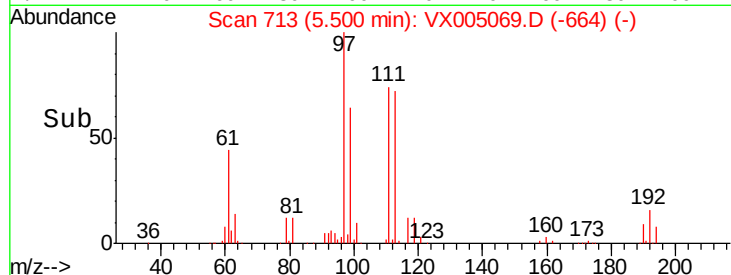
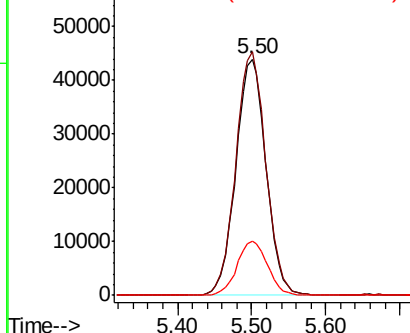
Tot Ion:	113	Resp:	125136
Ion Ratio	Lower	Upper	
113	100		
111	102.8	77.0	115.4
192	23.1	17.0	25.6

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.610 ug/l

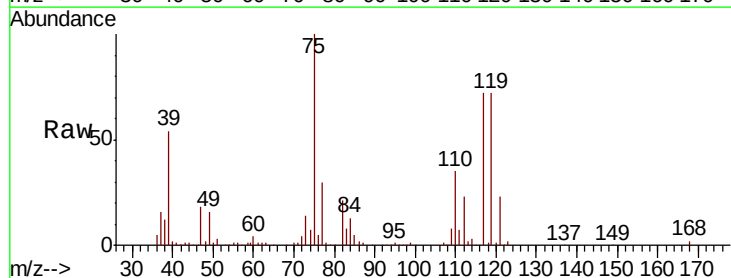
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

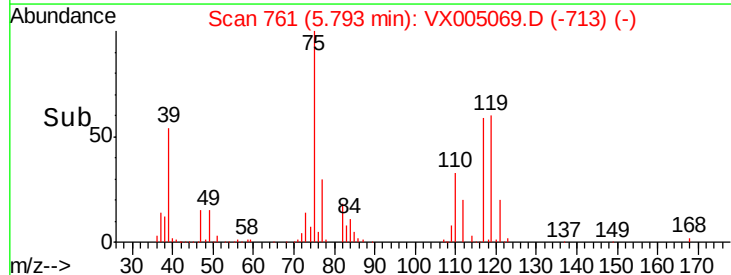
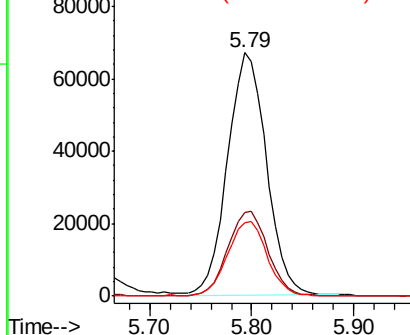
Lab File: VX005069.D

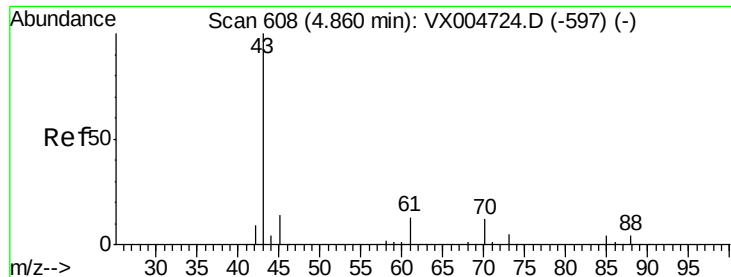
Acq: 05 Oct 2018 16:37

Tgt Ion:	75	Resp:	176647
Ion Ratio	Lower	Upper	
75	100		
110	36.2	20.0	59.9
77	32.0	27.1	40.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 41.678 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

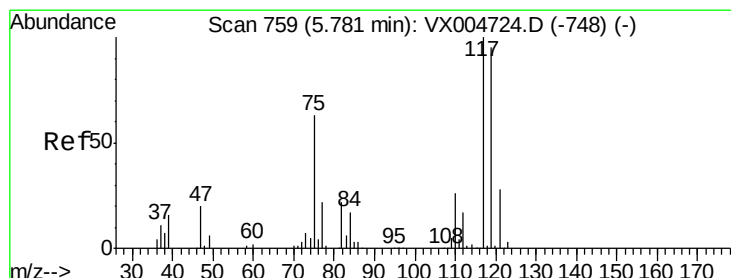
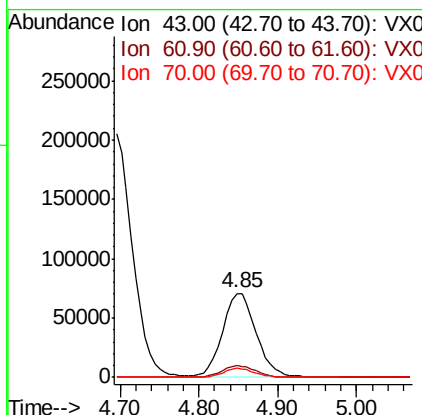
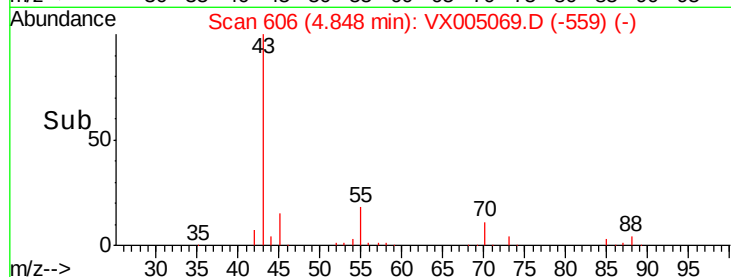
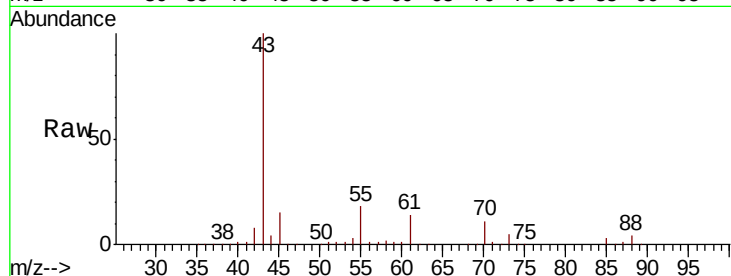
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	209668
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	10.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



#38

Carbon Tetrachloride

Concen: 45.992 ug/l

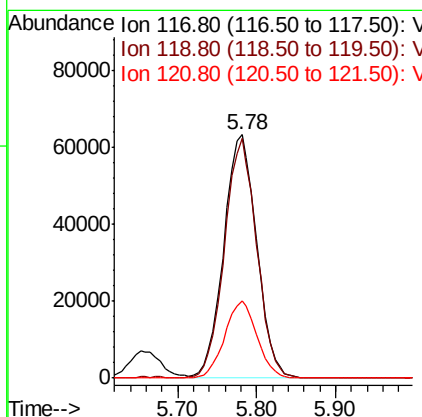
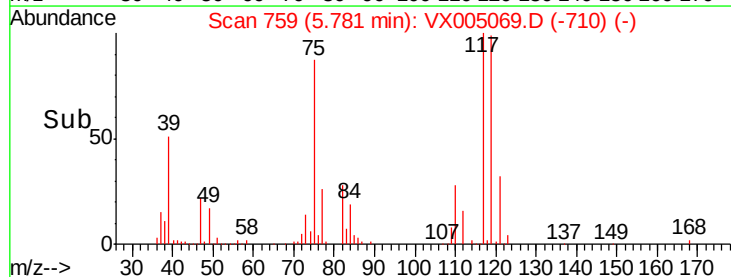
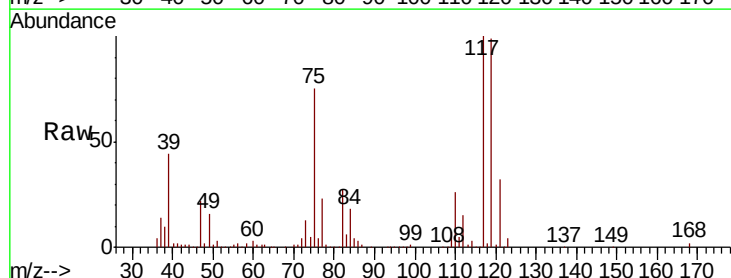
RT: 5.78 min Scan# 759

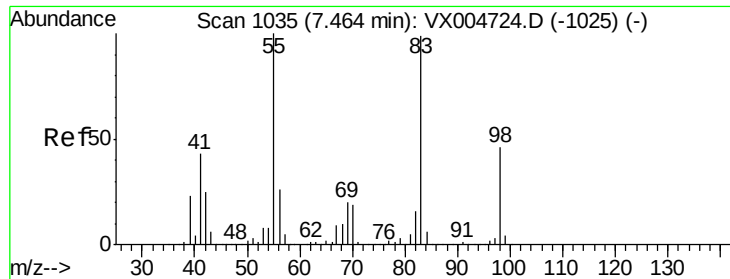
Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion:	117	Resp:	183224
Ion	Ratio	Lower	Upper
117	100		
119	98.6	75.2	112.8
121	31.6	22.5	33.7





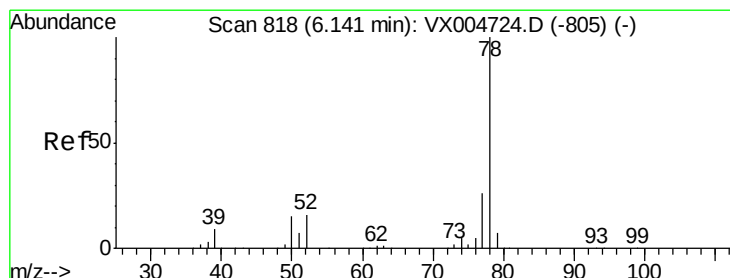
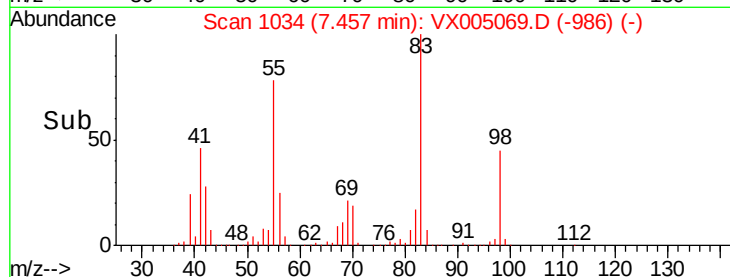
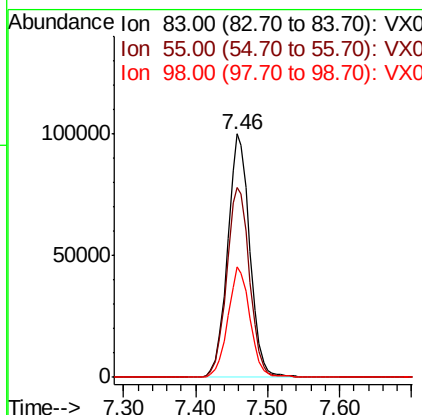
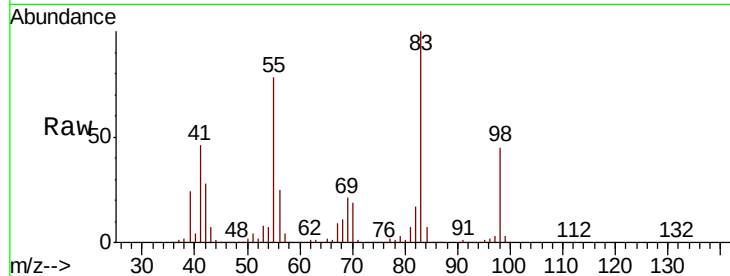
#39
Methylvlcyclohexane
Concen: 55.503 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	81.1	121.7#
98	45.2	37.3	55.9

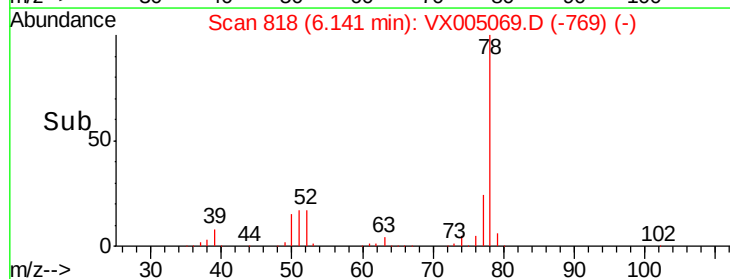
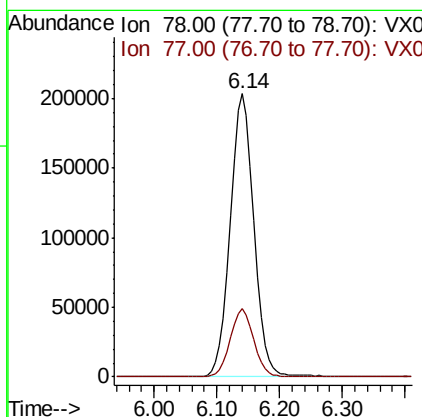
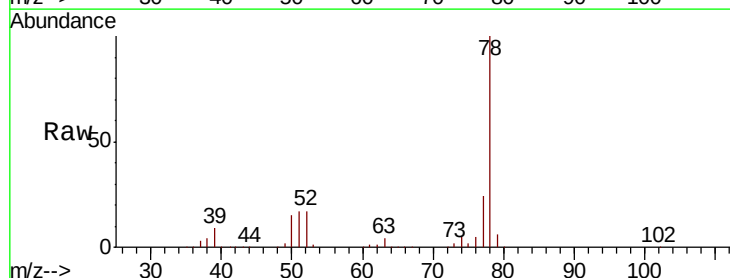
Manual Integrations
APPROVED

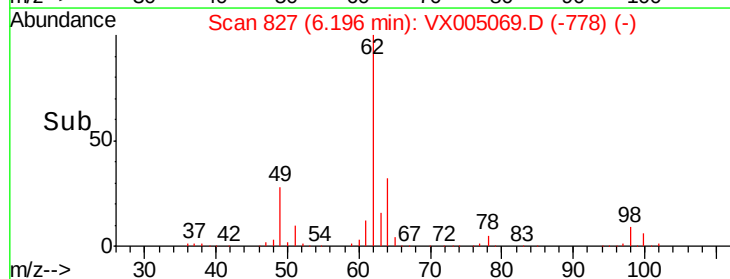
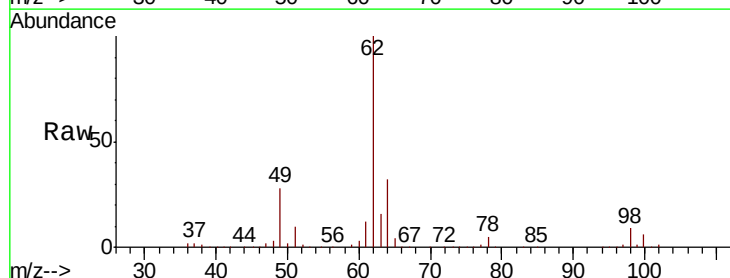
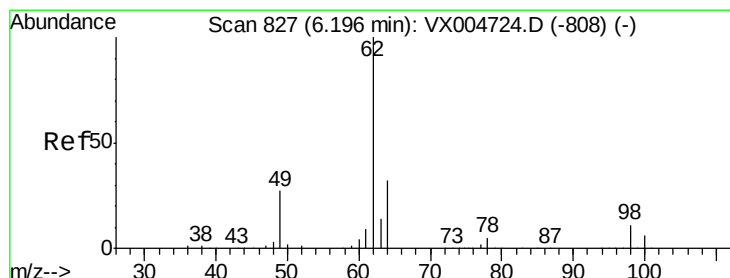
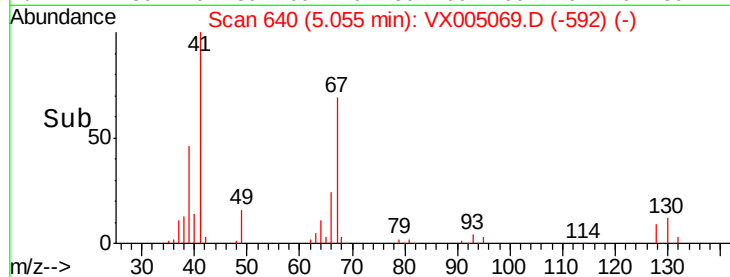
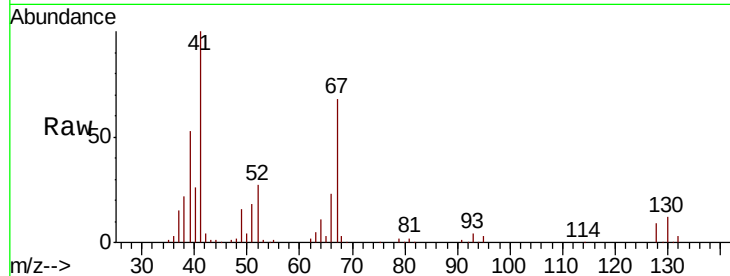
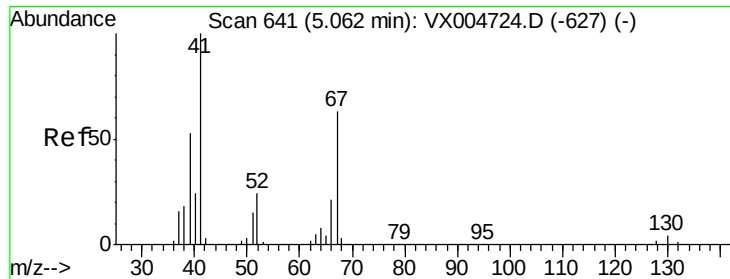
MMDadoda
10/8/2018 1:46:10 PM



#40
Benzene
Concen: 44.692 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	21.0	31.4





#41

Methacrylonitrile

Concen: 43.281 ug/l

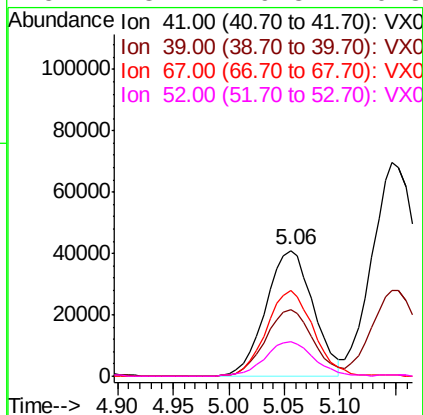
RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.5	63.7	
67	68.7	53.0	79.6	
52	28.2	19.8	29.8	



Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM

#42

1,2-Dichloroethane

Concen: 45.636 ug/l

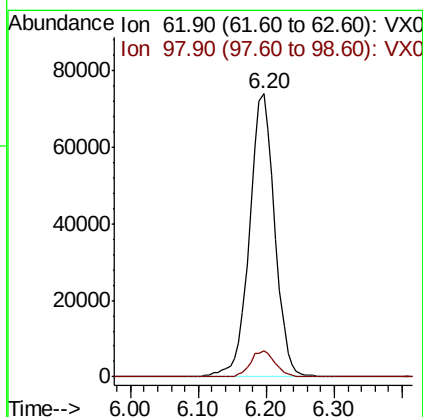
RT: 6.20 min Scan# 827

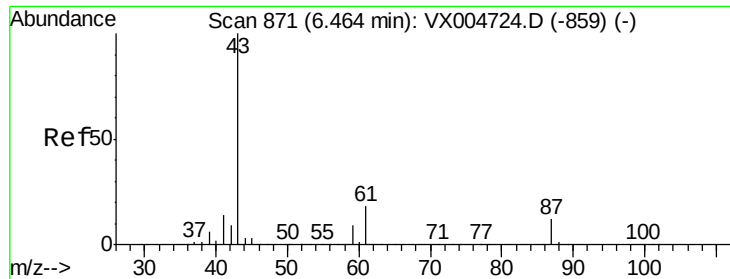
Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	20.2	





#43

Isopropyl Acetate

Concen: 45.393 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

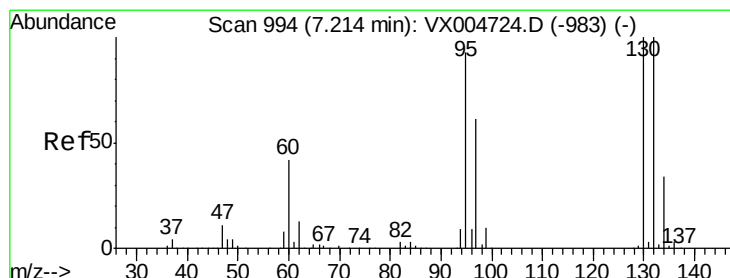
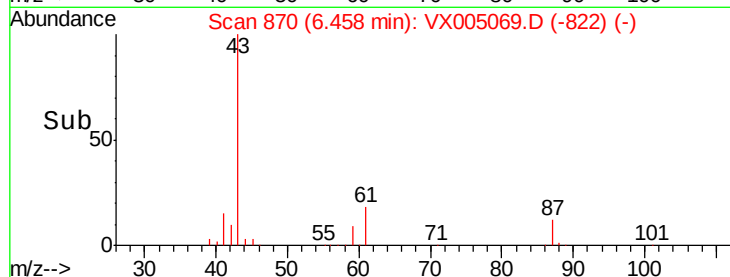
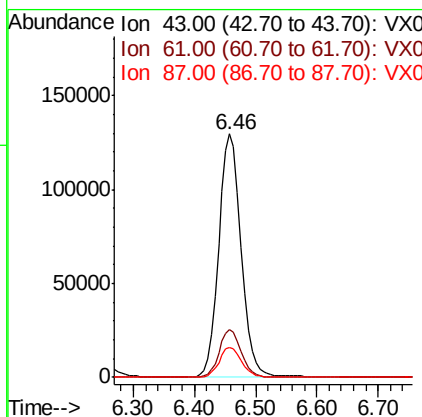
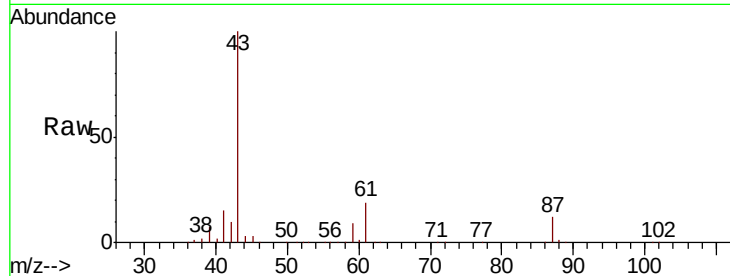
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	329596
Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.2	21.4
87	12.4	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



#44

Trichloroethene

Concen: 49.800 ug/l

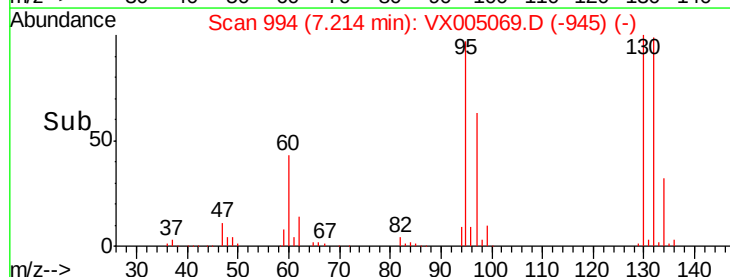
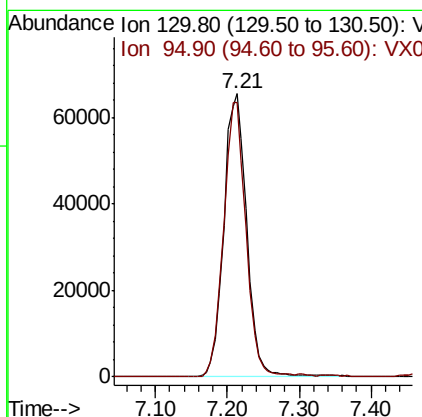
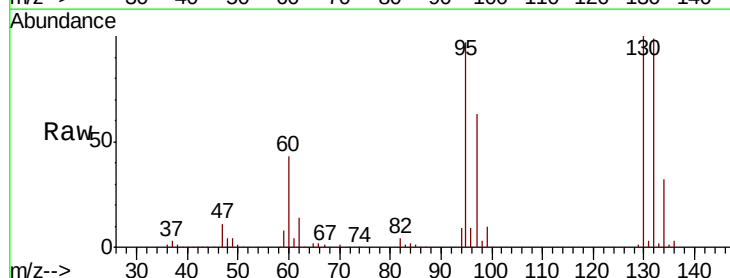
RT: 7.21 min Scan# 994

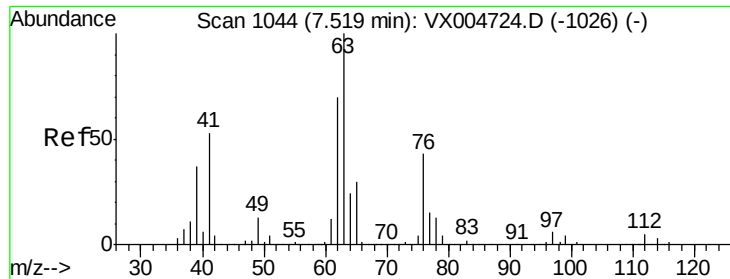
Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion:	130	Resp:	145254
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	186.8





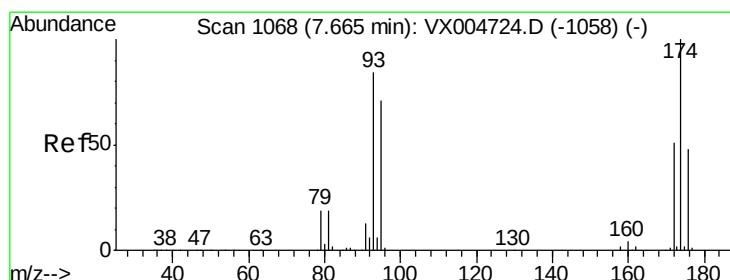
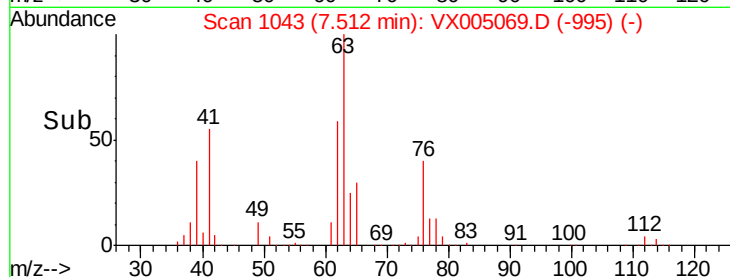
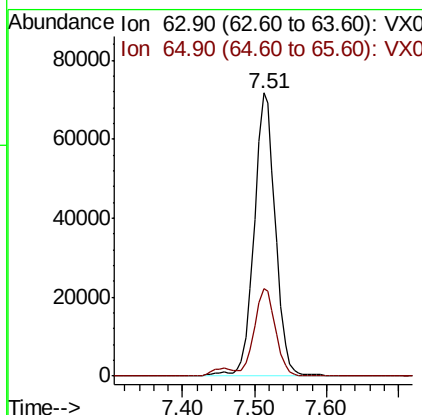
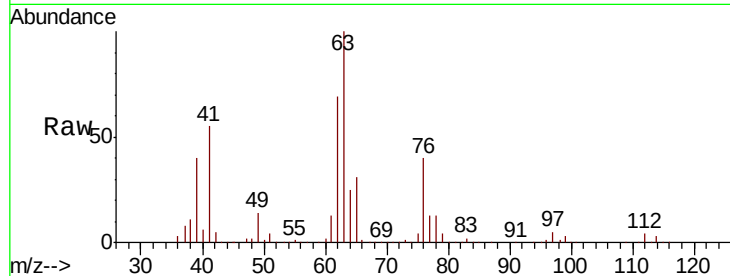
#45
 1,2-Dichloropropane
 Concen: 50.538 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 147047
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.9 35.9

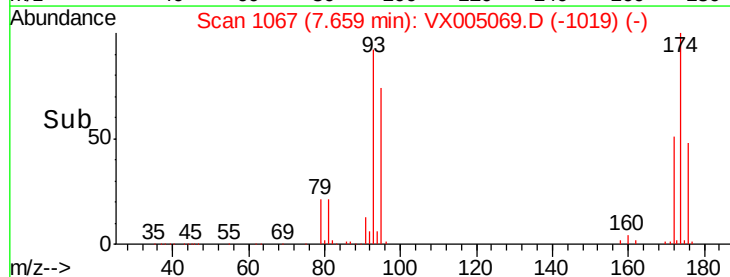
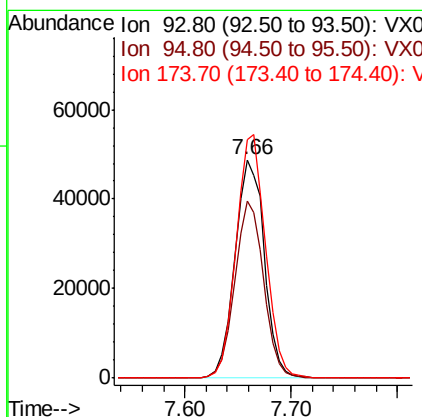
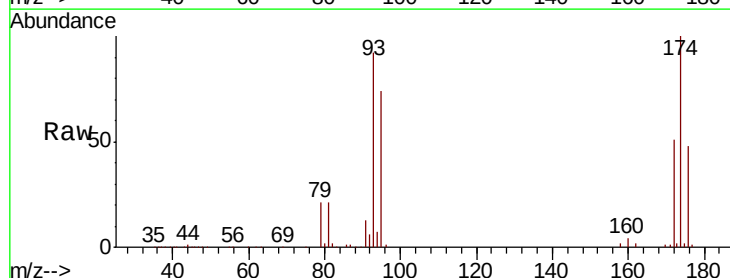
Manual Integrations
 APPROVED

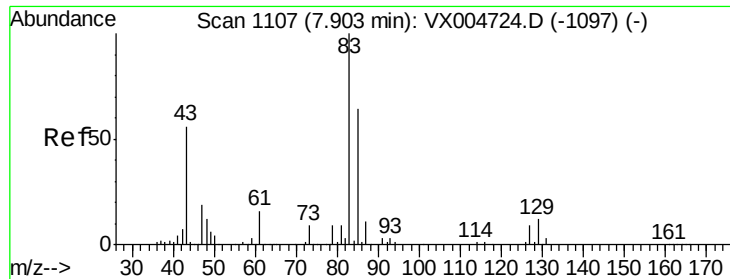
MMDadoda
 10/8/2018 1:46:10 PM



#46
 Dibromomethane
 Concen: 51.782 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Tgt Ion: 93 Resp: 94688
 Ion Ratio Lower Upper
 93 100
 95 79.6 66.7 100.1
 174 111.1 92.7 139.1





#47

Bromodichloromethane

Concen: 53.042 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tot Ion:	83	Resp:	181597
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.2	76.8
127	9.2	7.0	10.6

Instrument :

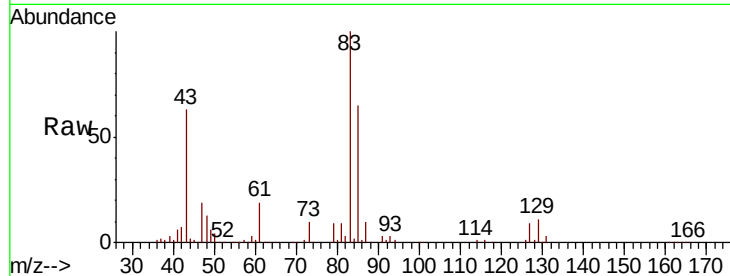
MSVOA_X

ClientSampleId :

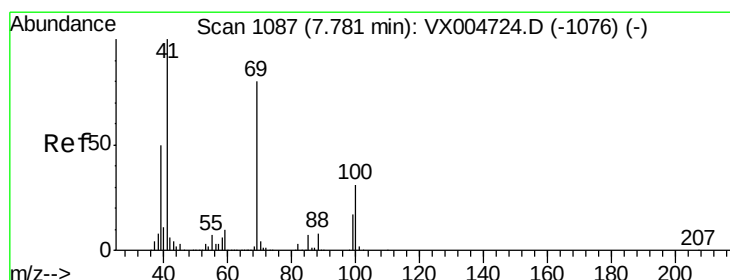
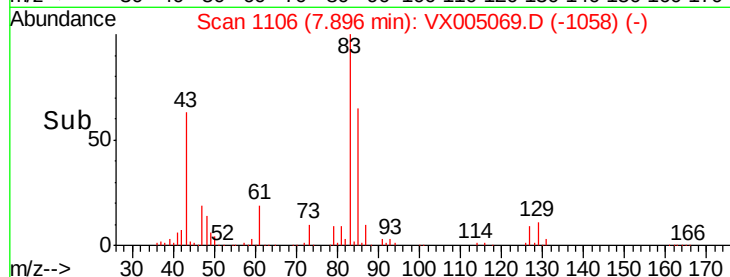
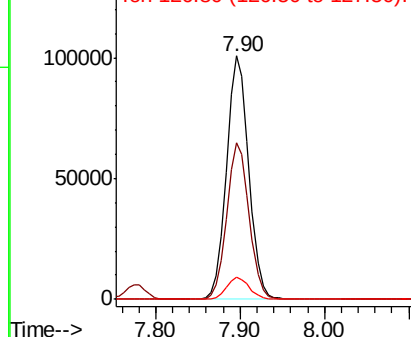
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.466 ug/l

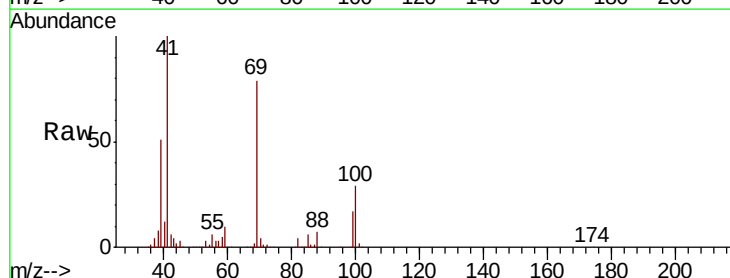
RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

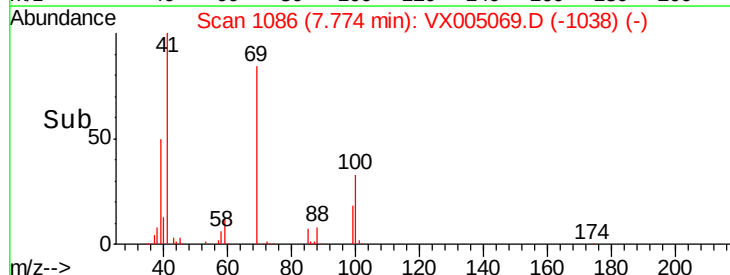
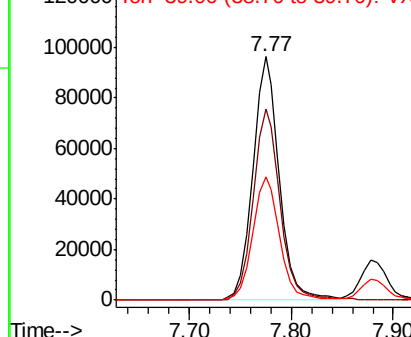
Lab File: VX005069.D

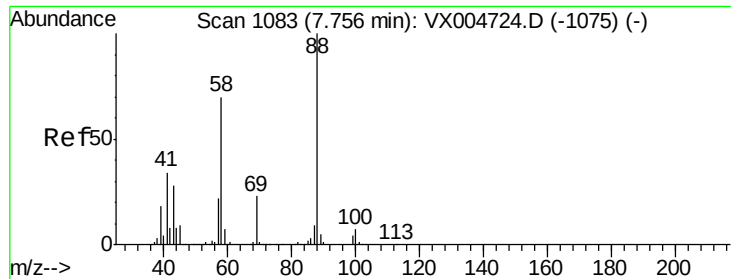
Acq: 05 Oct 2018 16:37

Tgt Ion:	41	Resp:	172911
Ion Ratio	Lower	Upper	
41	100		
69	80.5	63.8	95.6
39	51.8	40.7	61.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 714.840 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

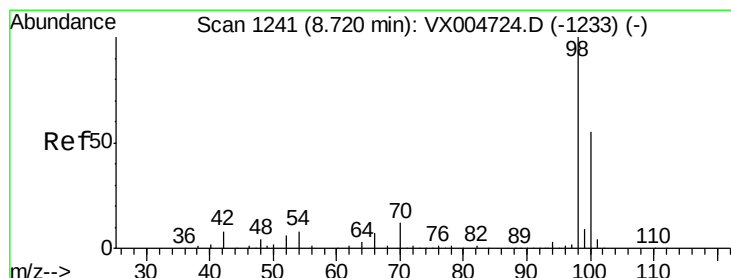
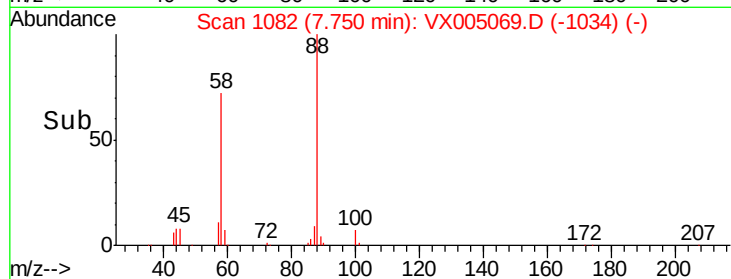
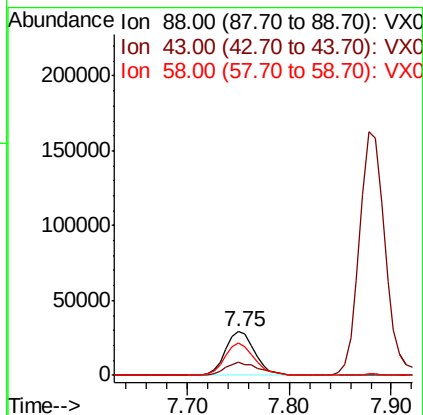
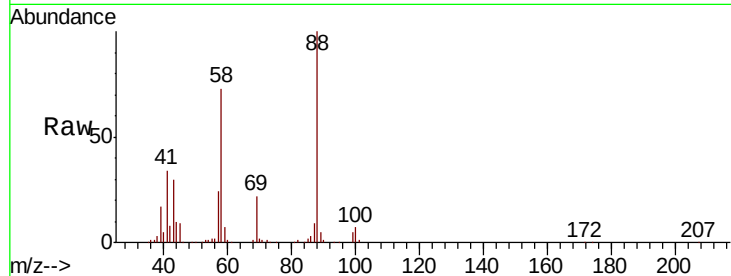
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	58529
Ion	Ratio	Lower	Upper
88	100		
43	33.9	25.1	37.7
58	74.2	56.2	84.2

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



#50

Toluene-d8

Concen: 51.607 ug/l

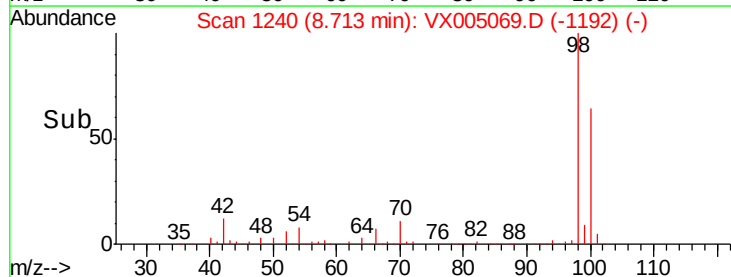
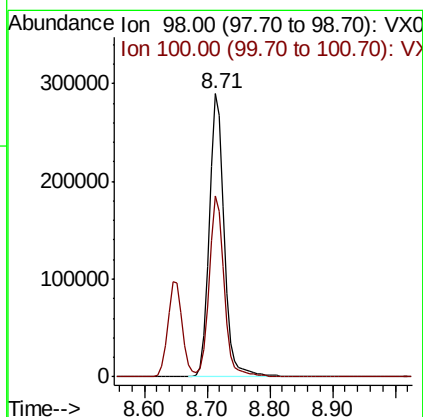
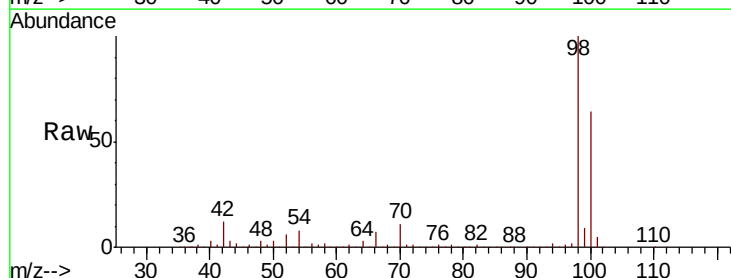
RT: 8.71 min Scan# 1240

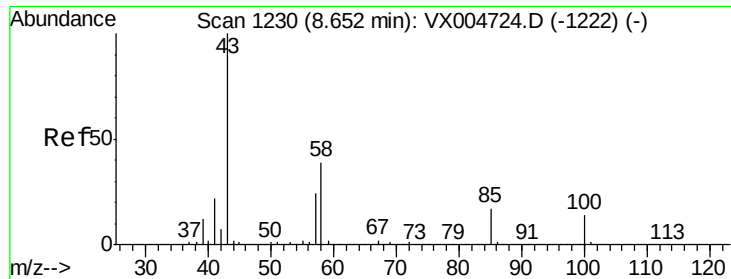
Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion:	98	Resp:	476571
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9





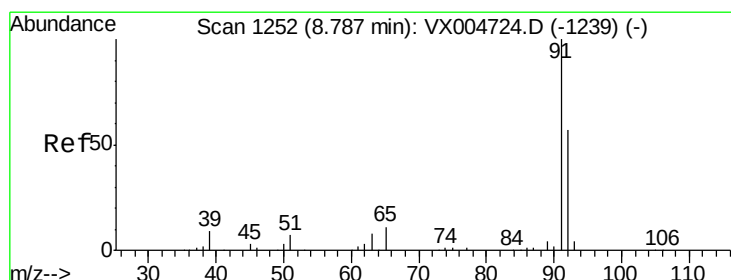
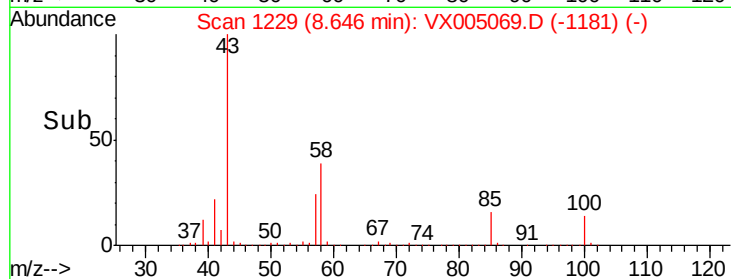
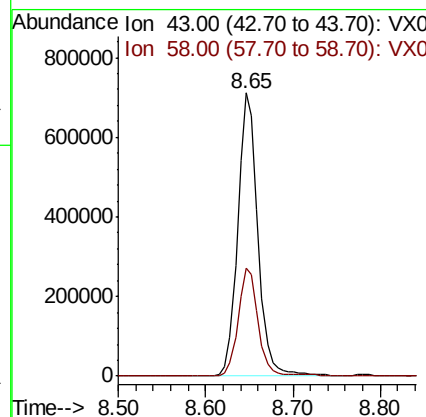
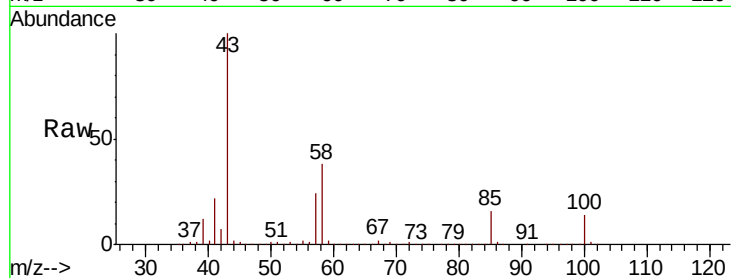
#51
4-Methyl-2-Pentanone
Concen: 250.603 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1145721
Ion Ratio Lower Upper
43 100
58 38.5 30.5 45.7

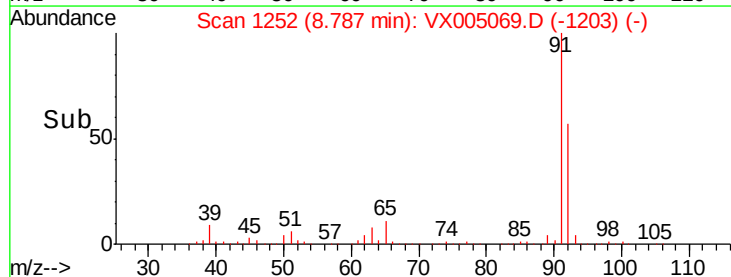
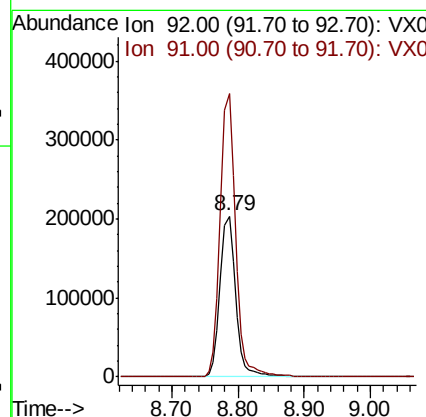
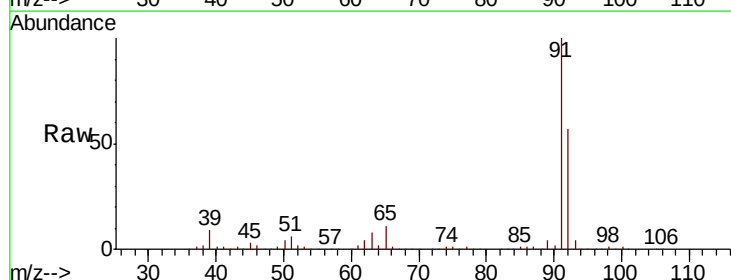
Manual Integrations
APPROVED

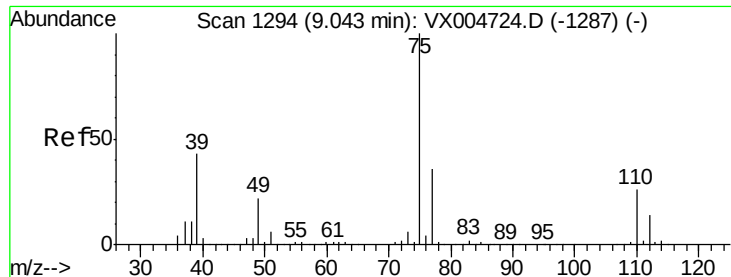
MMDadoda
10/8/2018 1:46:10 PM



#52
Toluene
Concen: 51.319 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion: 92 Resp: 334577
Ion Ratio Lower Upper
92 100
91 174.2 136.7 205.1





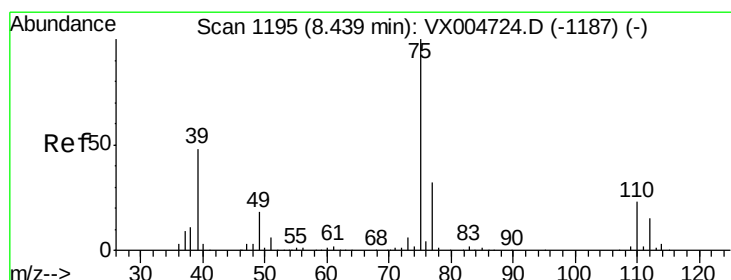
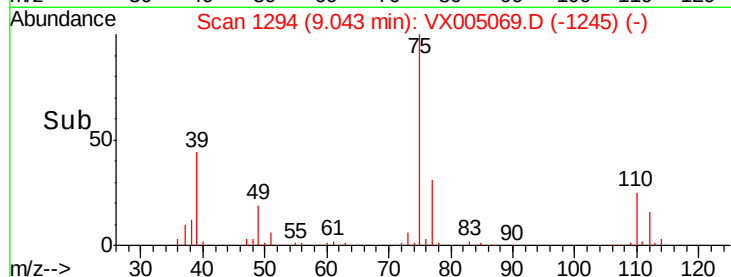
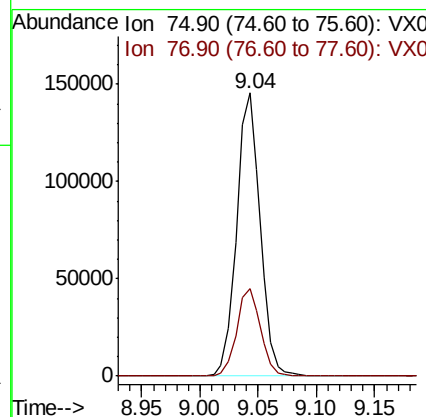
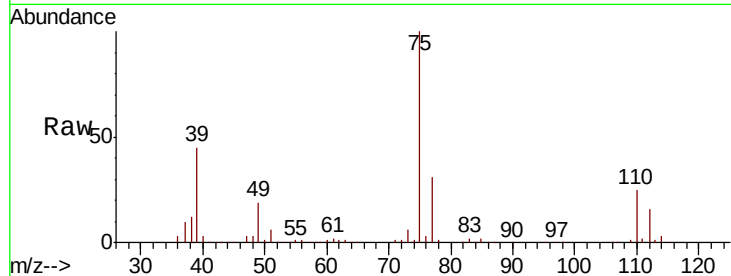
#53
t-1,3-Dichloropropene
Concen: 52.955 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	28.9	43.3

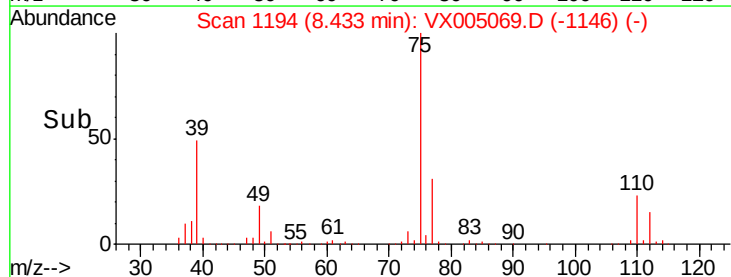
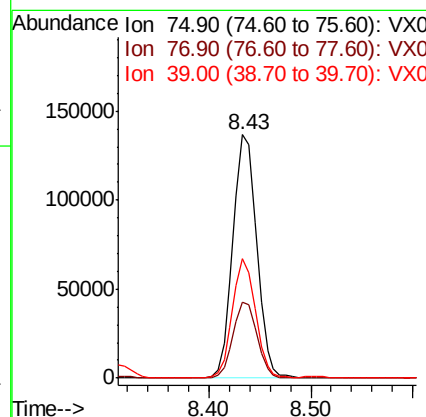
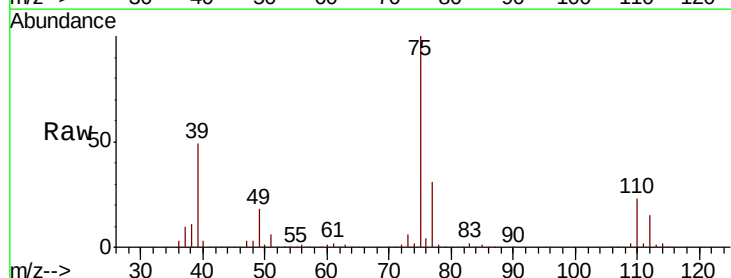
Manual Integrations
APPROVED

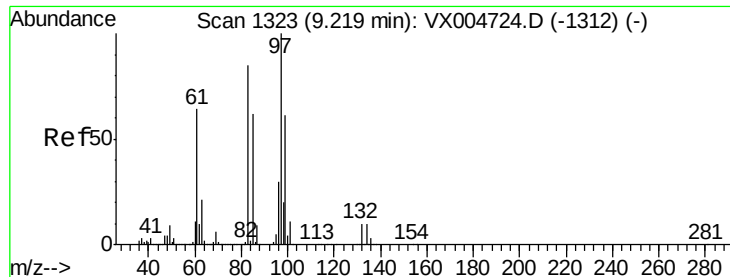
MMDadoda
10/8/2018 1:46:10 PM



#54
cis-1,3-Dichloropropene
Concen: 54.647 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	49.0	38.3	57.5





#55

1,1,2-Trichloroethane

Concen: 49.136 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

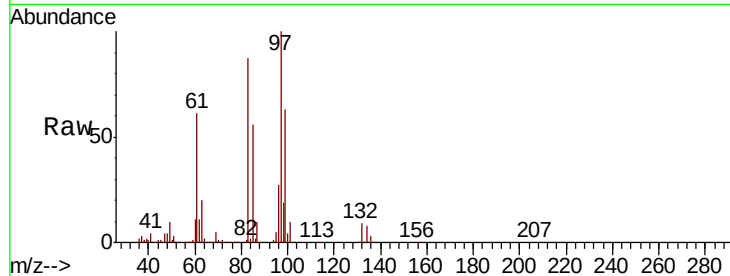
ClientSampleId :

VSTDCCC050

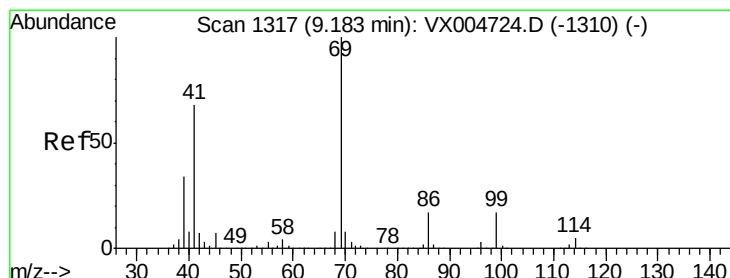
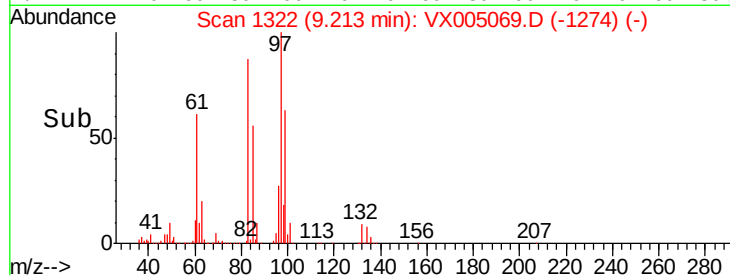
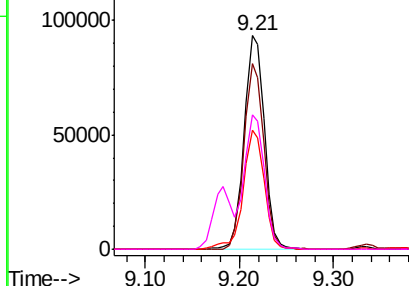
Tot Ion:	97	Resp:	140321
Ion Ratio	Lower	Upper	
97	100		
83	86.7	68.2	102.2
85	55.8	49.9	74.9
99	63.0	48.9	73.3

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 46.902 ug/l

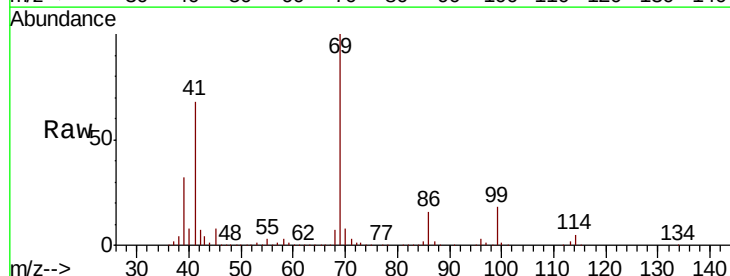
RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

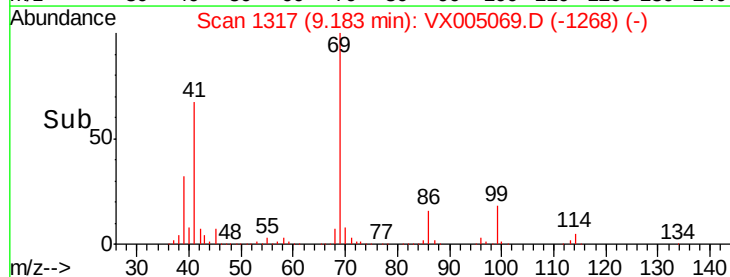
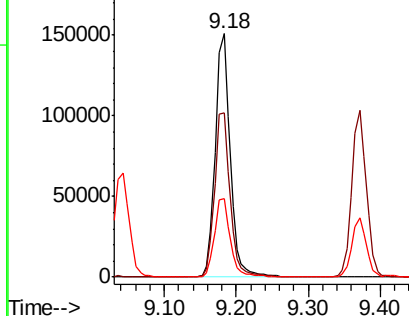
Lab File: VX005069.D

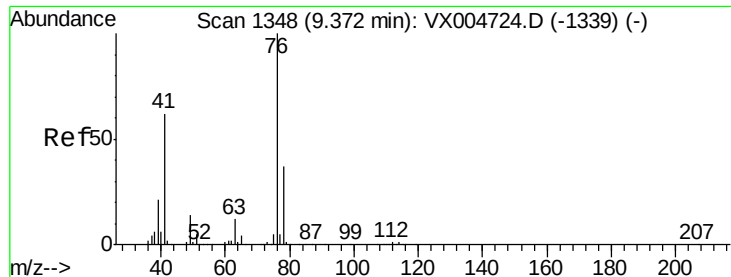
Acq: 05 Oct 2018 16:37

Tgt Ion:	69	Resp:	216482
Ion Ratio	Lower	Upper	
69	100		
41	69.6	56.9	85.3
39	33.9	28.4	42.6



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





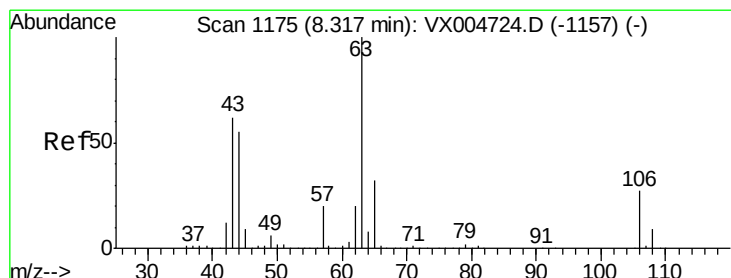
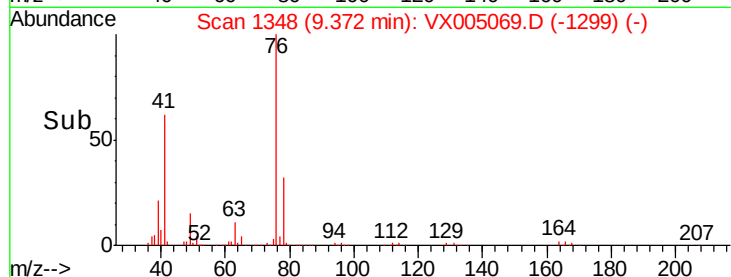
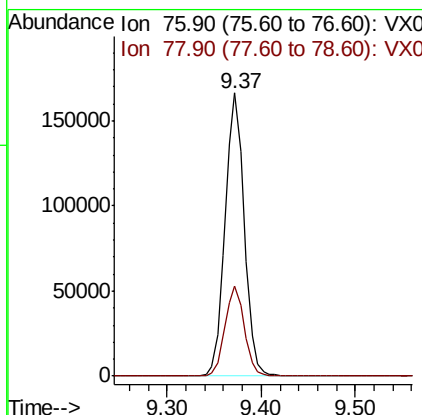
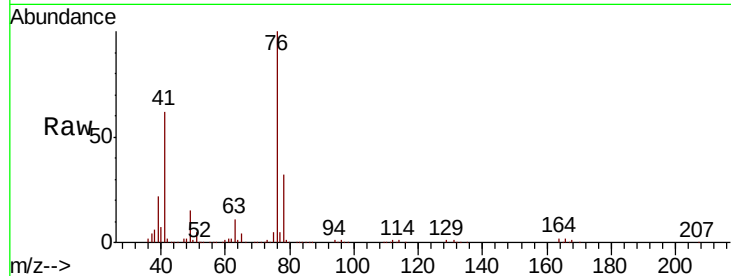
#57
 1,3-Dichloropropane
 Concen: 49.321 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.6	40.0

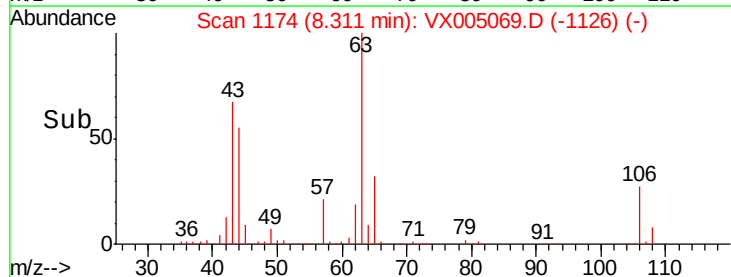
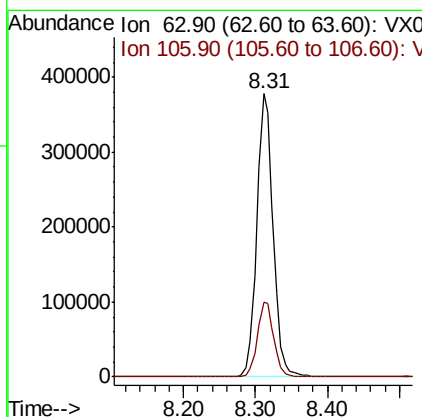
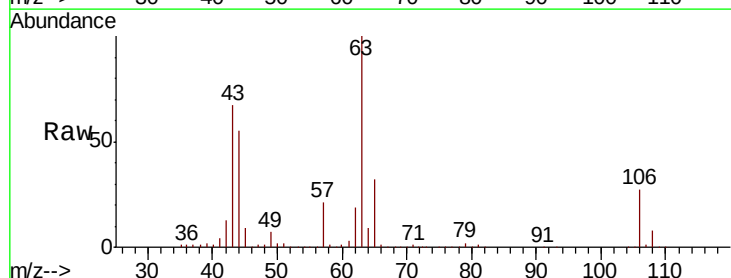
Manual Integrations
 APPROVED

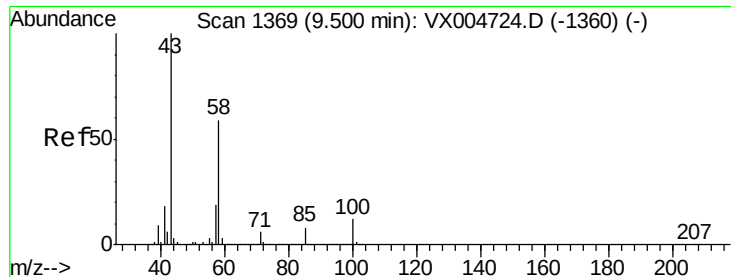
MMDadoda
 10/8/2018 1:46:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.490 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.0	31.6





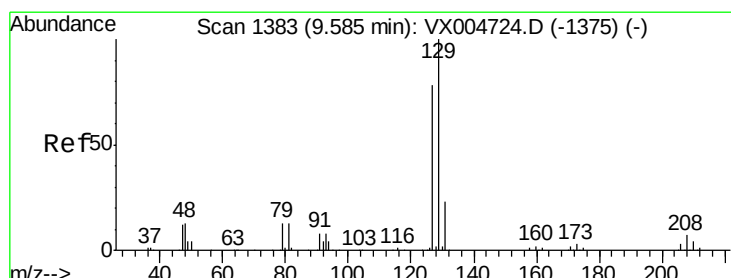
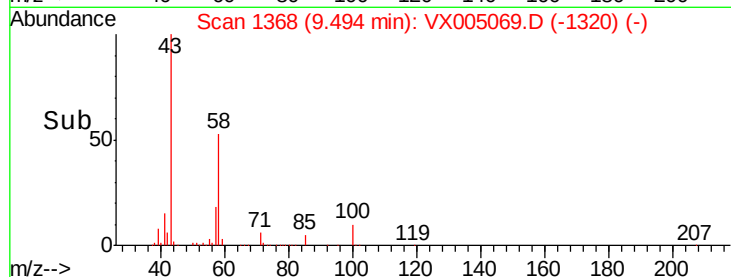
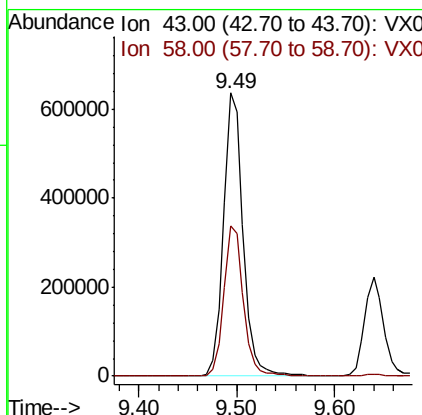
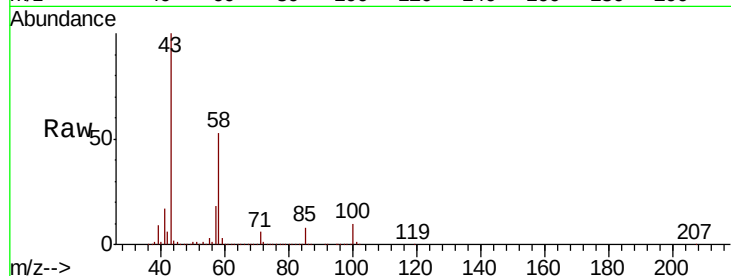
#59
2-Hexanone
Concen: 231.781 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	28.4	85.3

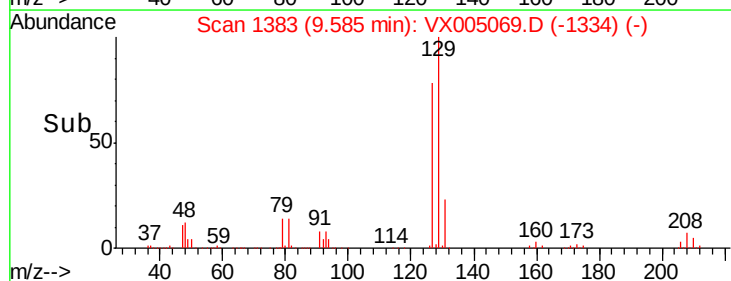
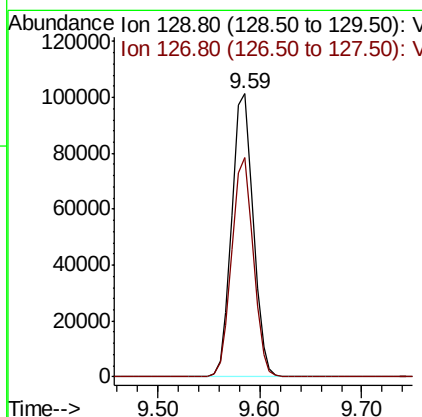
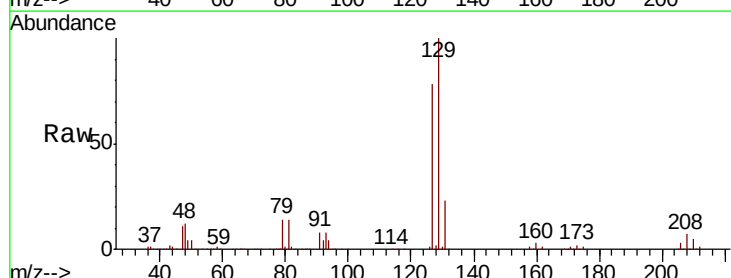
Manual Integrations
APPROVED

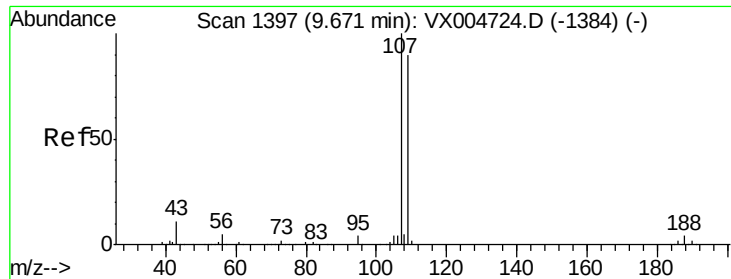
MMDadoda
10/8/2018 1:46:10 PM



#60
Dibromochloromethane
Concen: 51.459 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2





#61

1,2-Dibromoethane

Concen: 47.045 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 143883

Ion Ratio Lower Upper

107 100

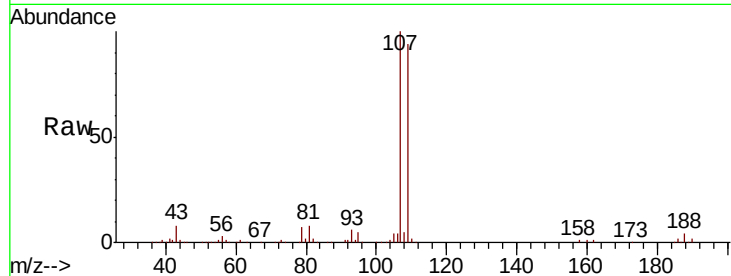
109 93.4 72.1 108.1

Manual Integrations

APPROVED

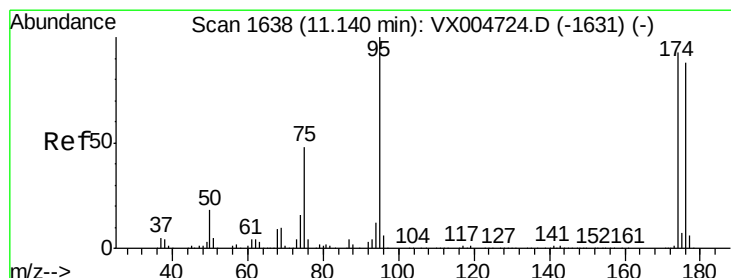
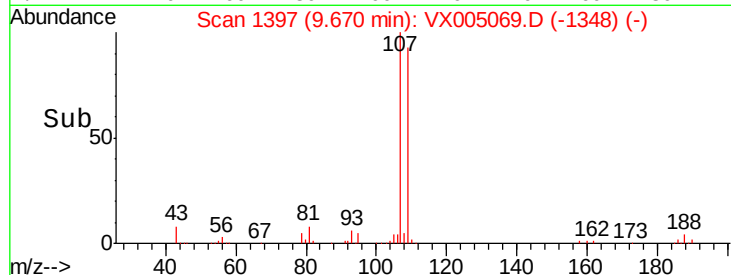
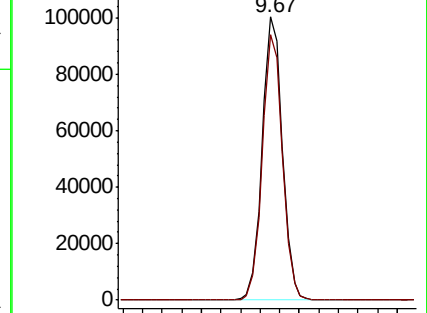
MMDadoda

10/8/2018 1:46:10 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.560 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

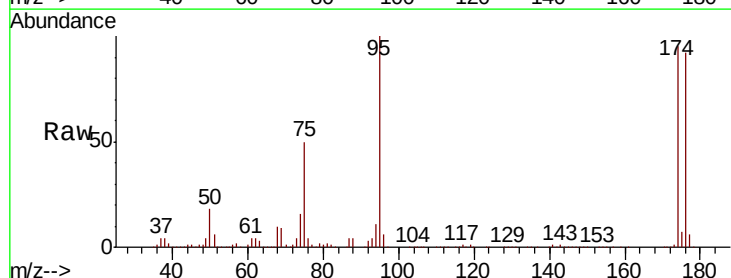
Tgt Ion: 95 Resp: 184837

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.0

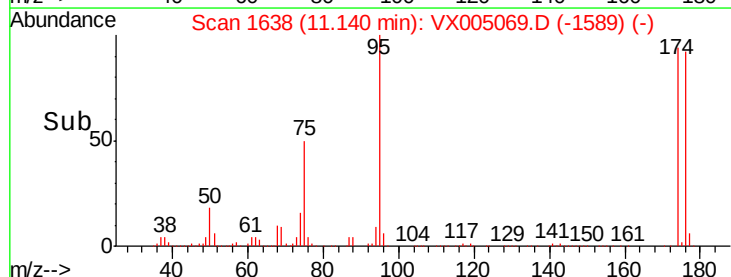
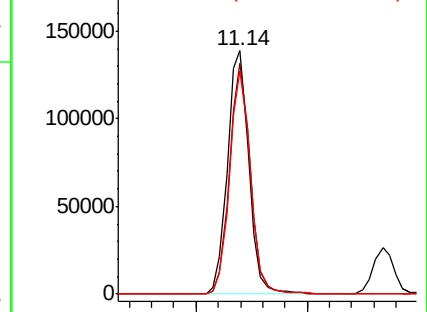
176 89.4 0.0 180.2

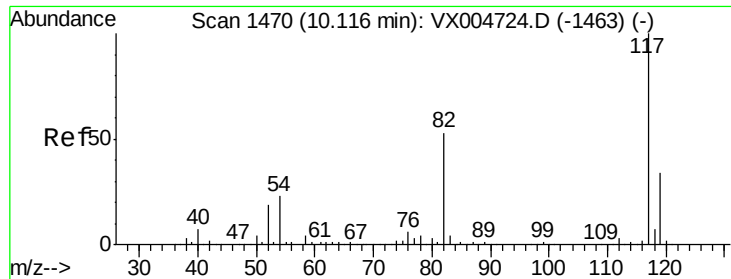


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





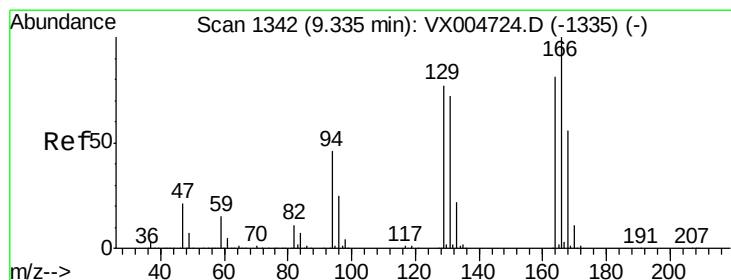
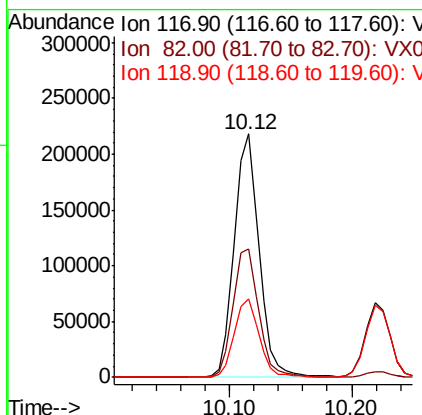
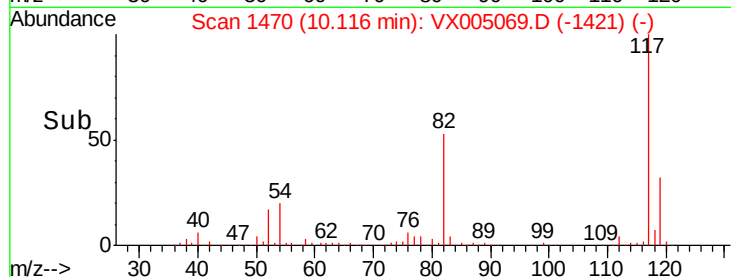
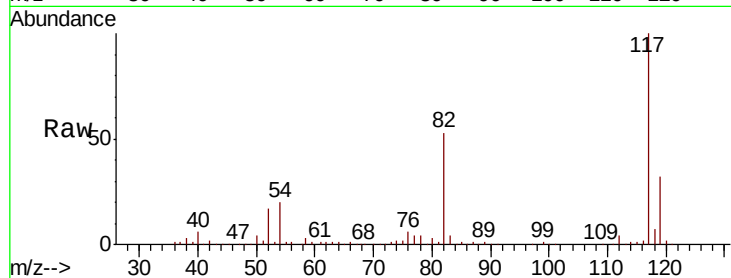
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	32.2	27.4	41.0

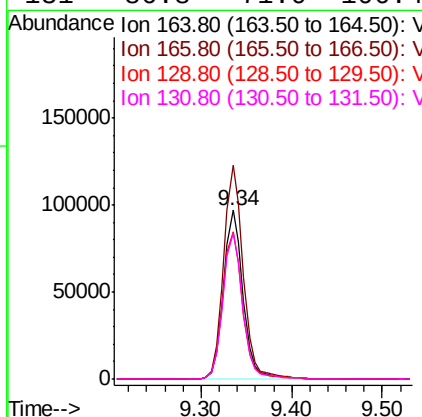
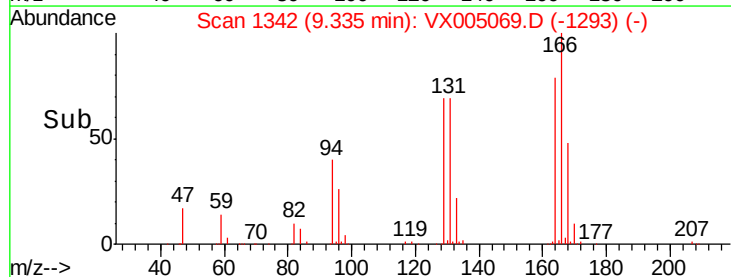
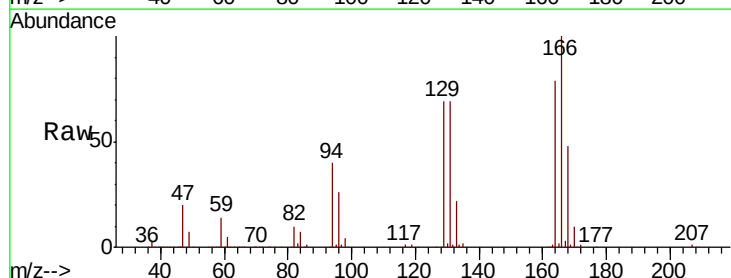
Manual Integrations
APPROVED

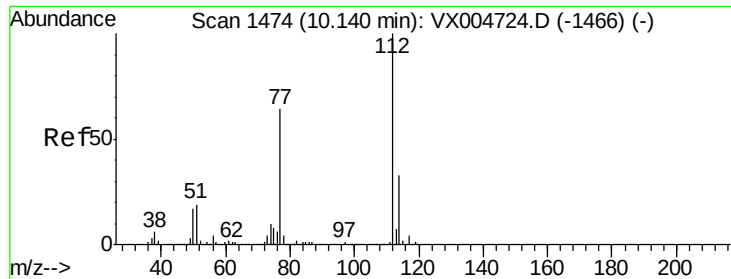
MMDadoda
10/8/2018 1:46:10 PM



#64
Tetrachloroethene
Concen: 48.438 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	98.4	147.6
129	87.0	76.1	114.1
131	86.8	71.0	106.4





#65

Chlorobenzene

Concen: 48.220 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 378638

Ion Ratio Lower Upper

112 100

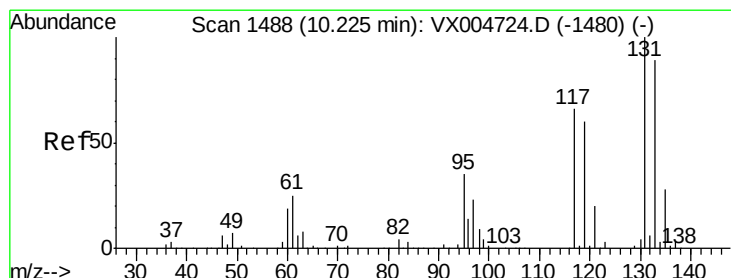
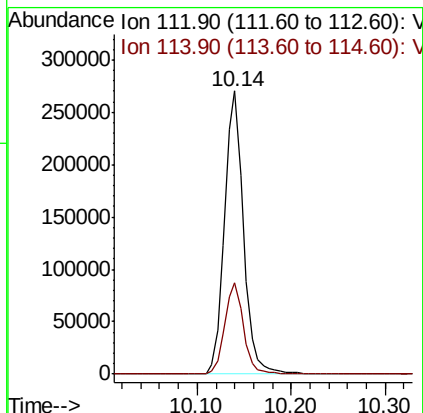
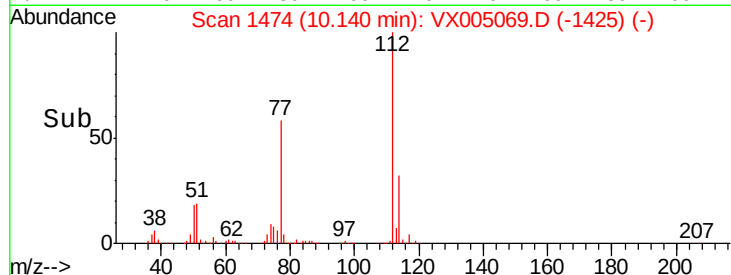
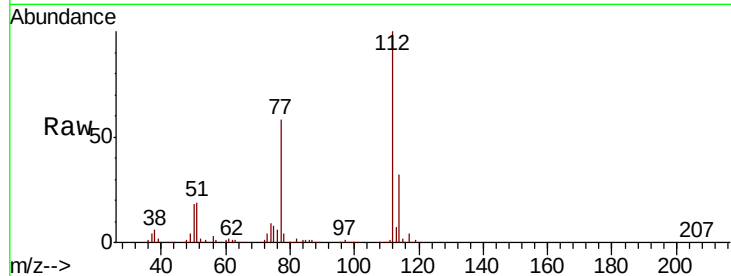
114 32.3 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:46:10 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 50.745 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

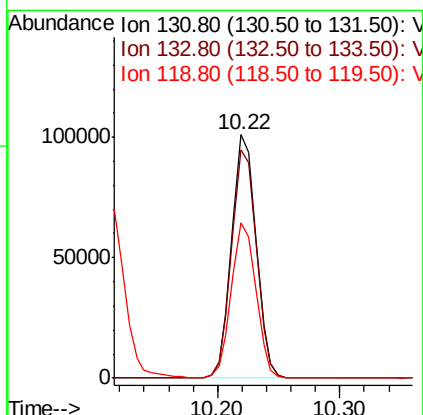
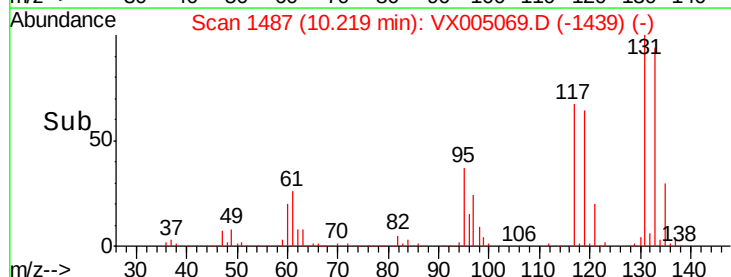
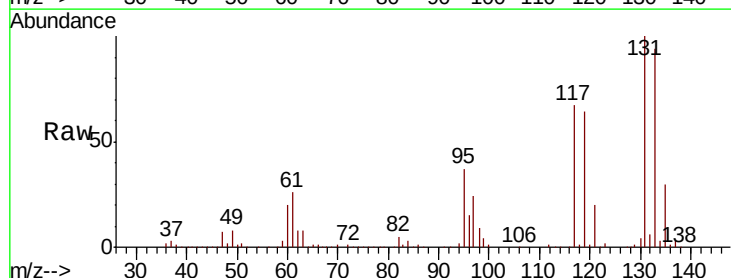
Tgt Ion:131 Resp: 140085

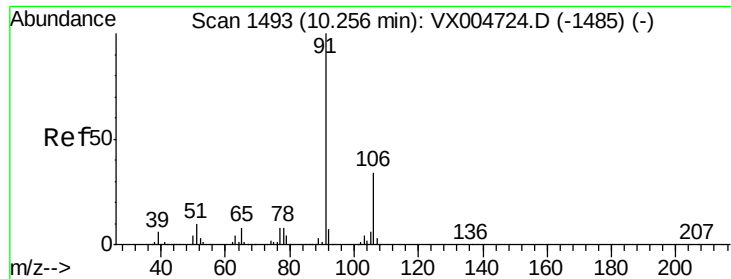
Ion Ratio Lower Upper

131 100

133 95.2 48.4 145.0

119 64.2 32.3 96.8





#67

Ethyl Benzene

Concen: 51.963 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 647796

Ion Ratio Lower Upper

91 100

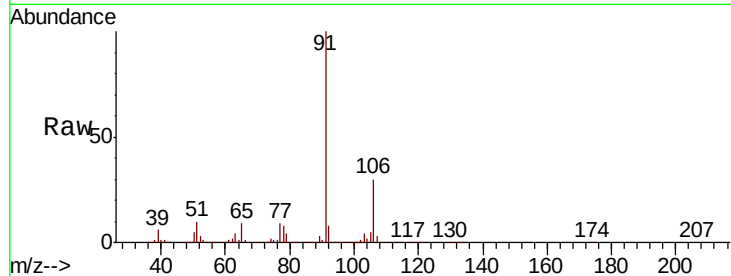
106 30.2 26.9 40.3

Manual Integrations

APPROVED

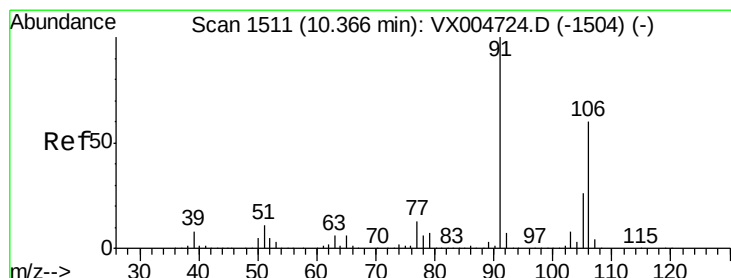
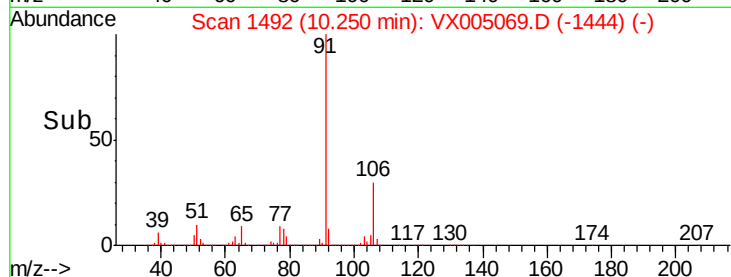
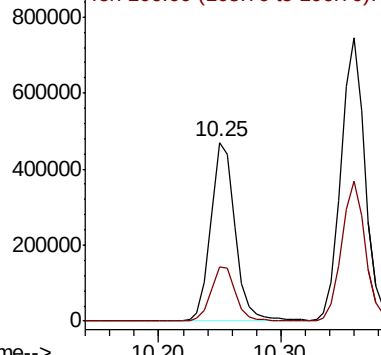
MMDadoda

10/8/2018 1:46:10 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 104.109 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005069.D

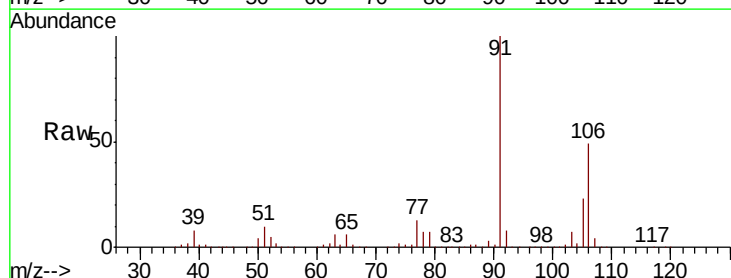
Acq: 05 Oct 2018 16:37

Tgt Ion: 106 Resp: 507176

Ion Ratio Lower Upper

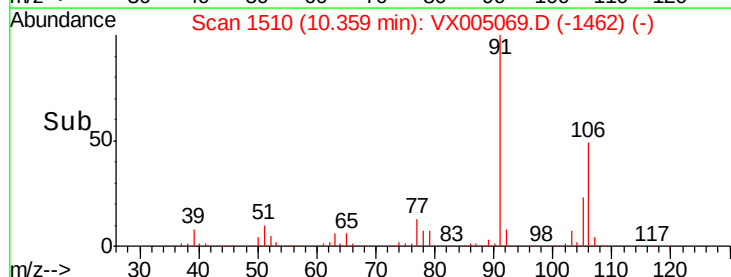
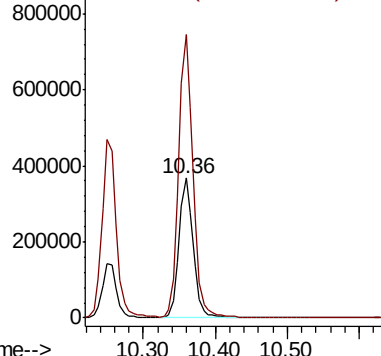
106 100

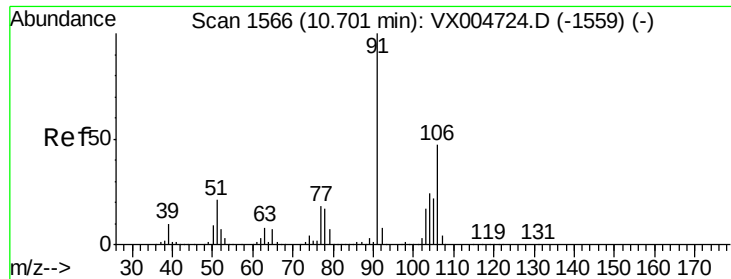
91 204.2 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





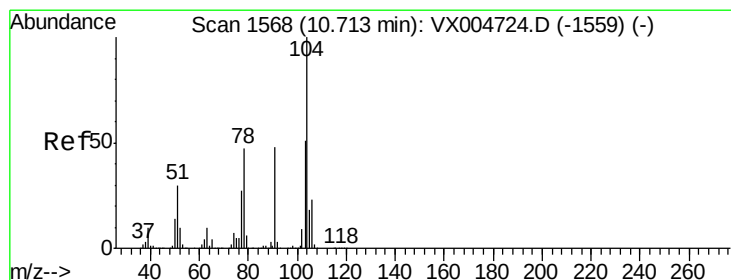
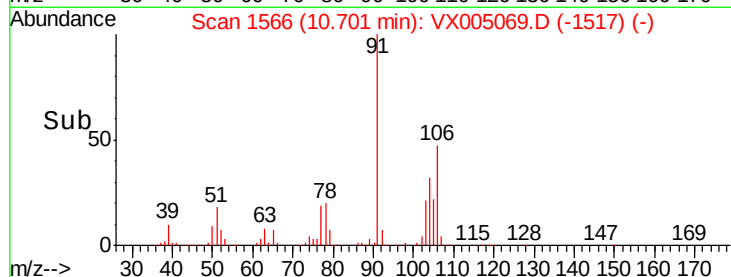
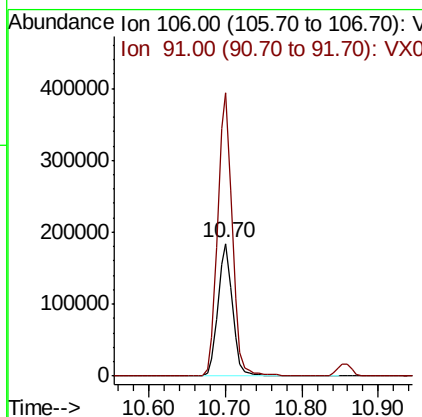
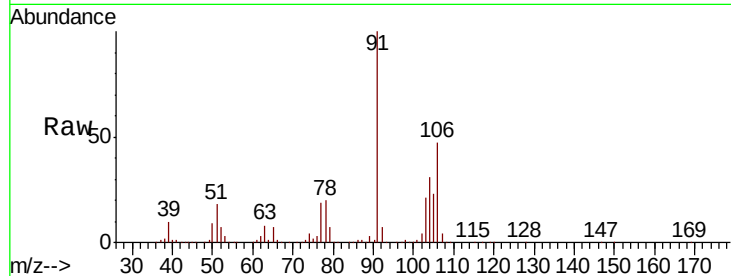
#69
o-Xylene
Concen: 54.064 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 241913
Ion Ratio Lower Upper
106 100
91 215.0 108.3 324.8

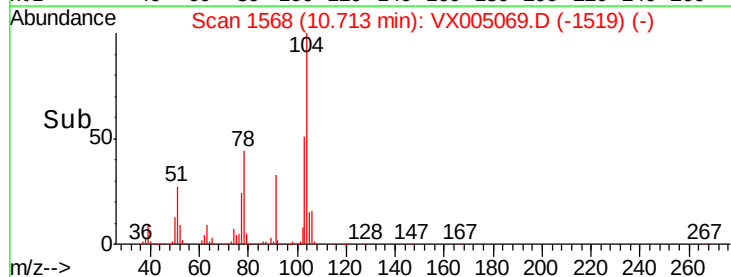
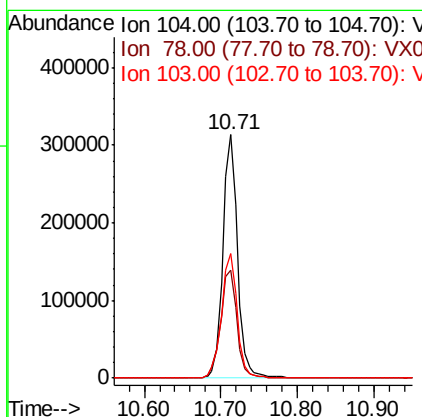
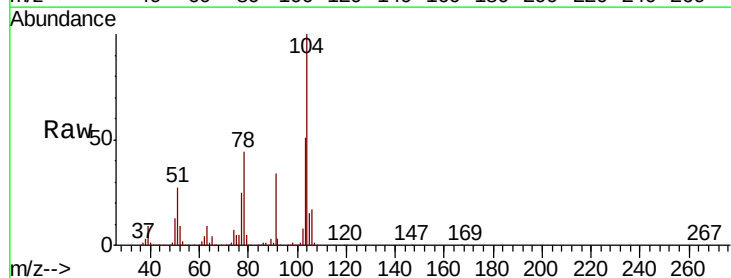
Manual Integrations
APPROVED

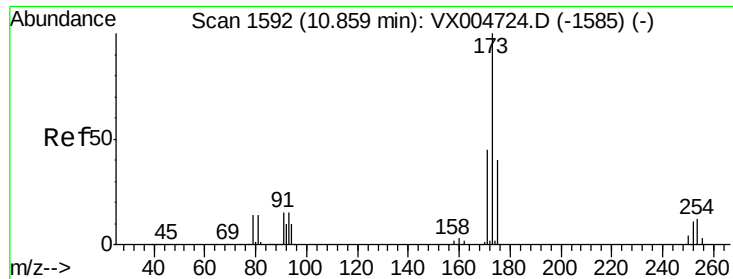
MMDadoda
10/8/2018 1:46:10 PM



#70
Styrene
Concen: 49.517 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion:104 Resp: 414211
Ion Ratio Lower Upper
104 100
78 49.7 40.0 60.0
103 55.4 44.3 66.5





#71

Bromoform

Concen: 50.300 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

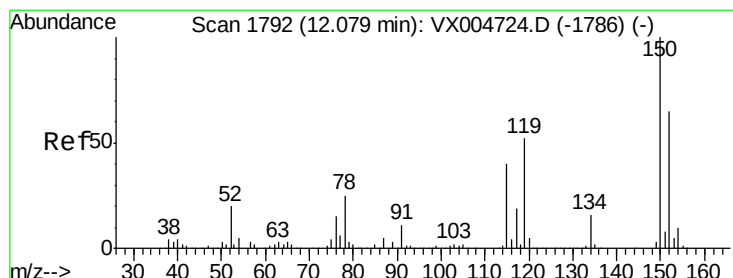
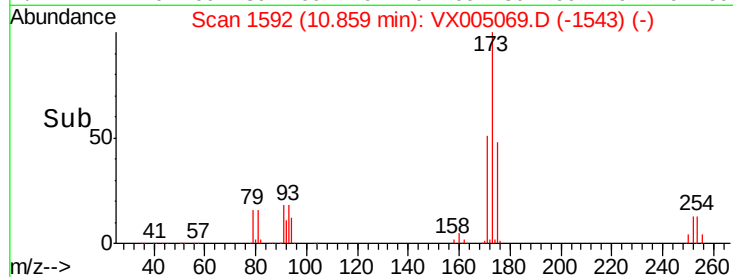
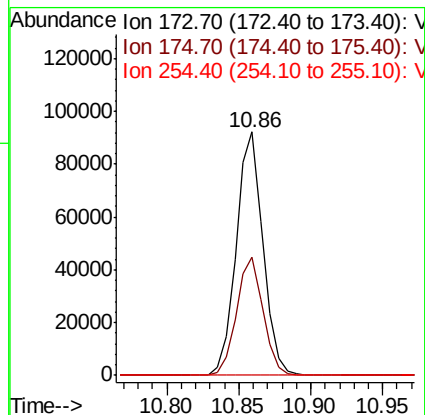
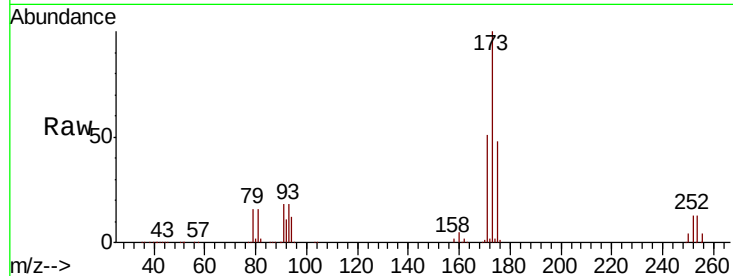
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	118879
Ion Ratio	Lower	Upper	
173	100		
175	48.6	23.3	69.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

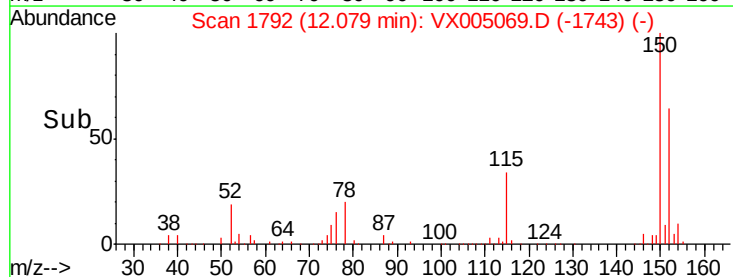
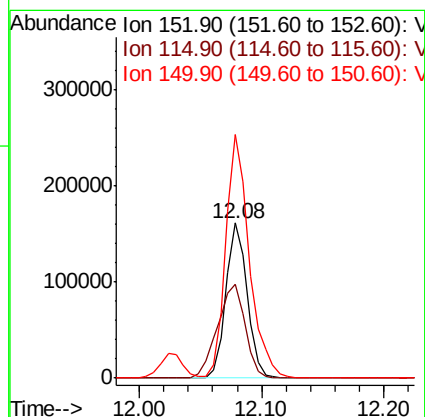
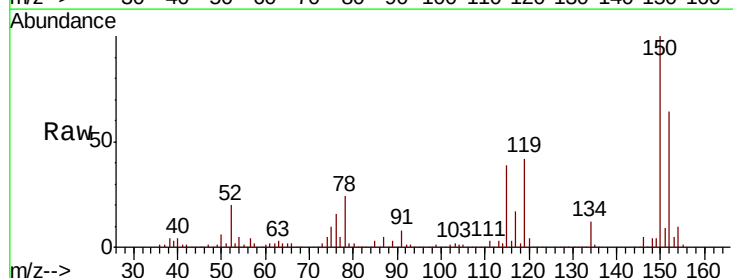
RT: 12.08 min Scan# 1792

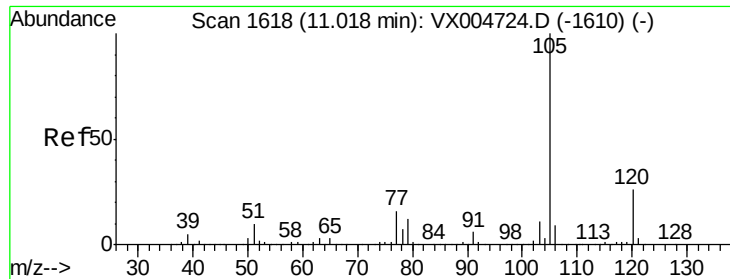
Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion:	152	Resp:	194156
Ion Ratio	Lower	Upper	
152	100		
115	79.4	40.2	120.6
150	173.5	0.0	351.0





#73

Isopropylbenzene

Concen: 54.280 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 664270

Ion Ratio Lower Upper

105 100

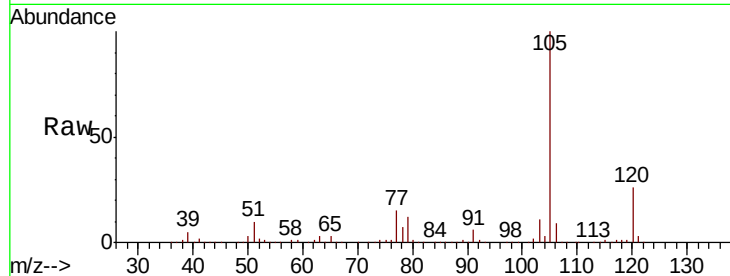
120 26.5 13.2 39.5

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:46:10 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

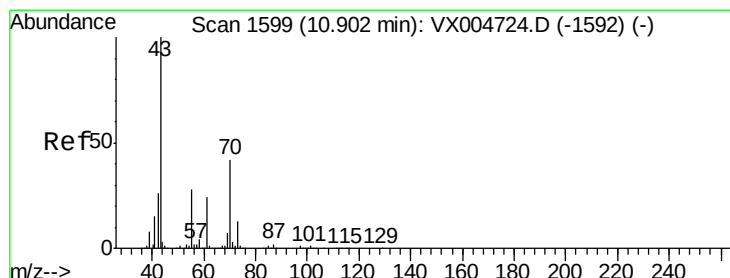
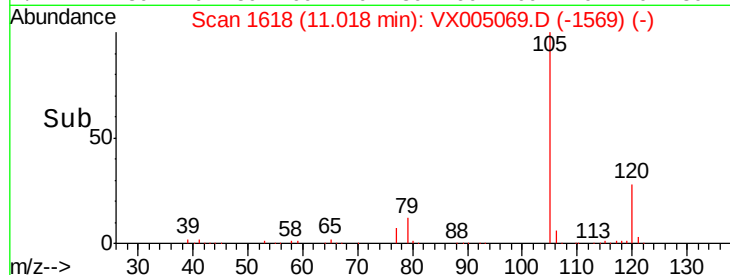
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 45.364 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion: 43 Resp: 304010

Ion Ratio Lower Upper

43 100

70 40.0 32.6 48.8

55 25.1 21.6 32.4

61 23.5 19.1 28.7

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

200000

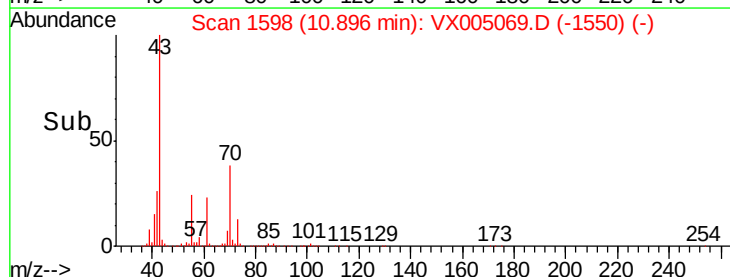
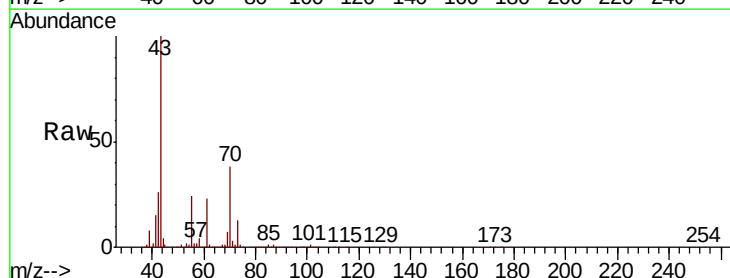
100000

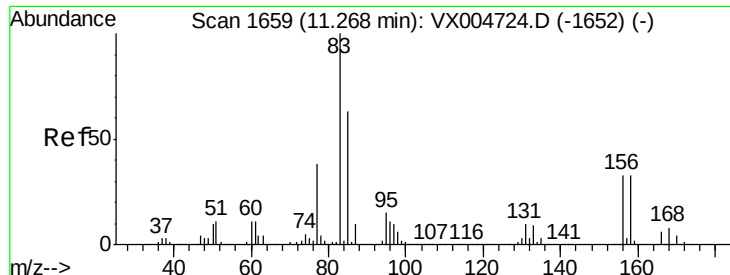
0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.466 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

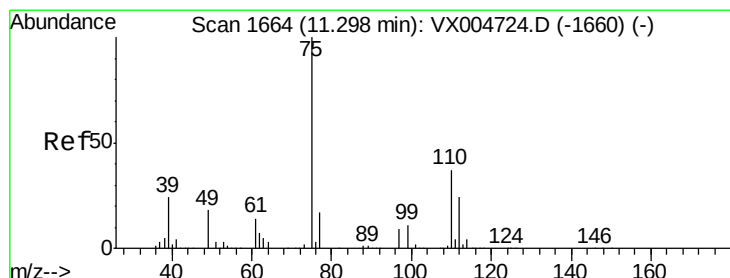
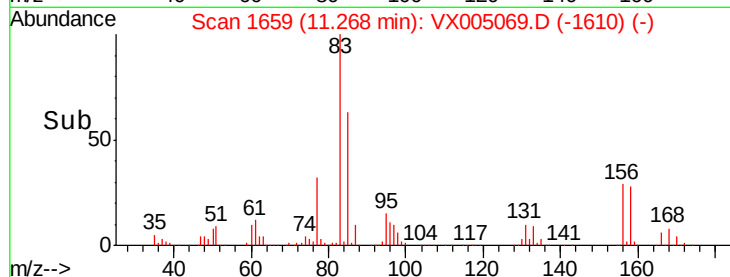
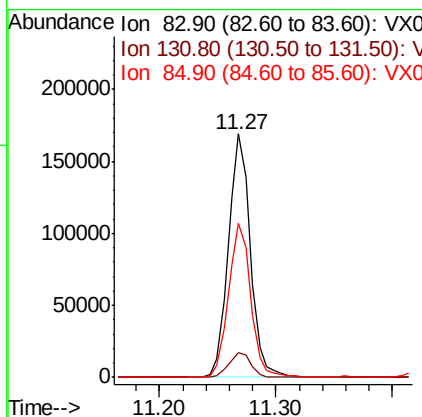
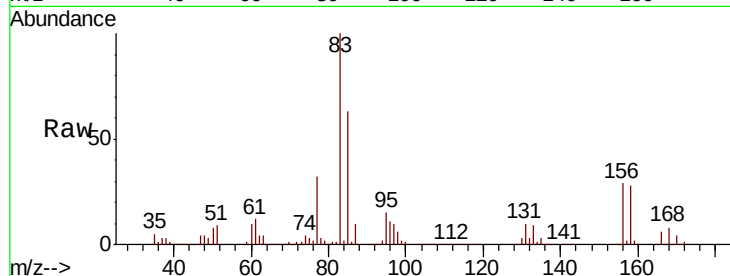
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	221515
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	64.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



#76

1,2,3-Trichloropropane

Concen: 47.433 ug/l m

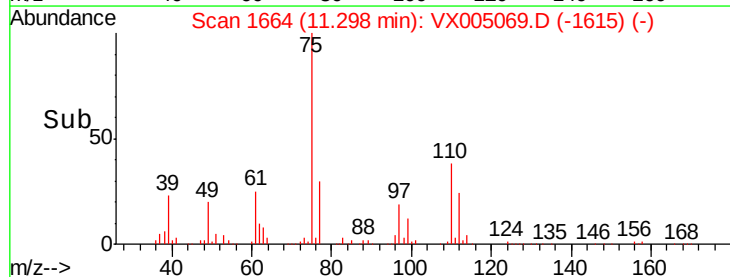
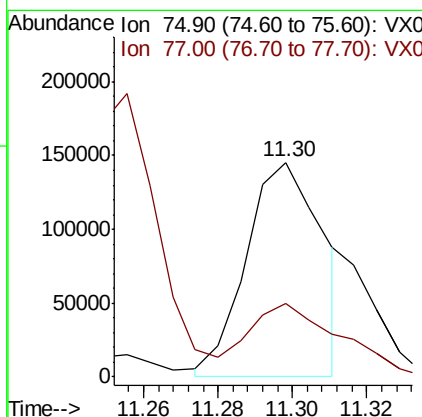
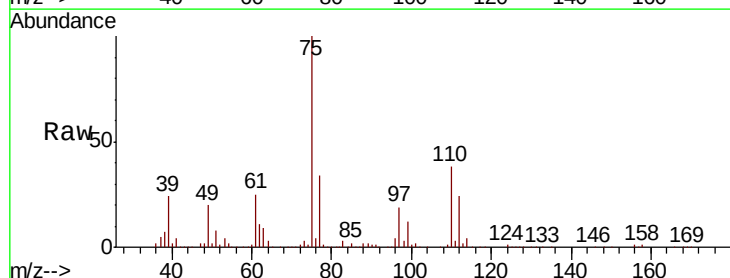
RT: 11.30 min Scan# 1664

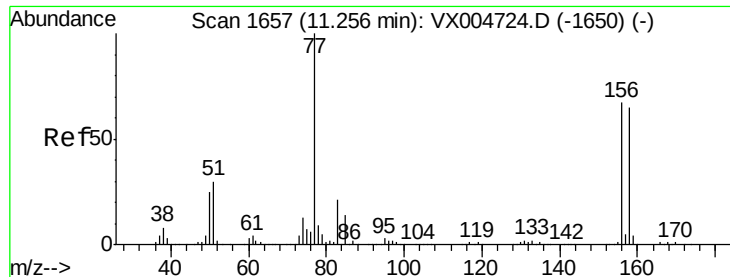
Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Tgt Ion:	75	Resp:	206418
Ion Ratio	Lower	Upper	
75	100		
77	40.9	21.4	64.3





#77

Bromobenzene

Concen: 49.433 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

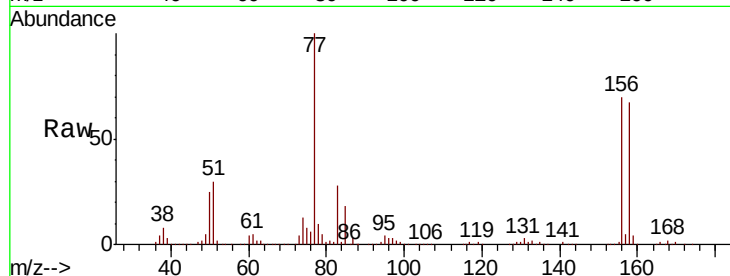
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	175715
Ion Ratio	Lower	Upper	
156	100		
77	146.9	73.4	220.2
158	97.4	49.1	147.4

Manual Integrations
APPROVED

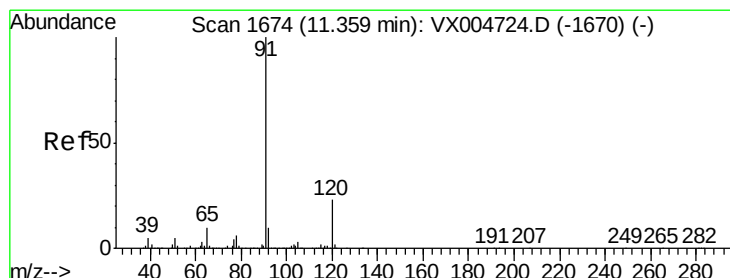
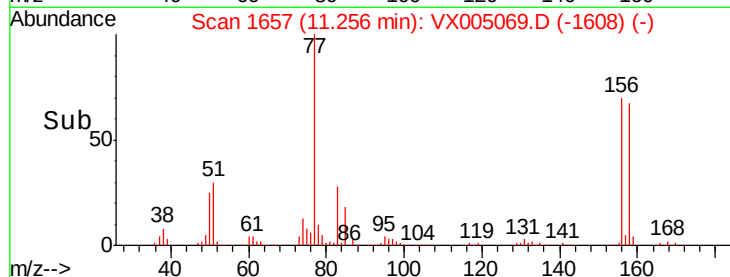
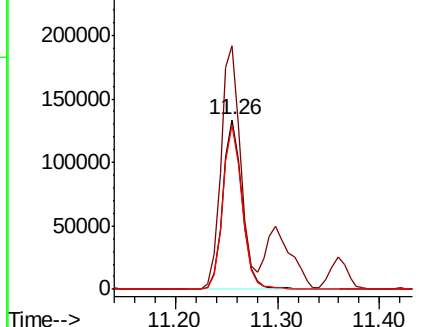
MMDadoda
10/8/2018 1:46:10 PM



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: 55.284 ug/l

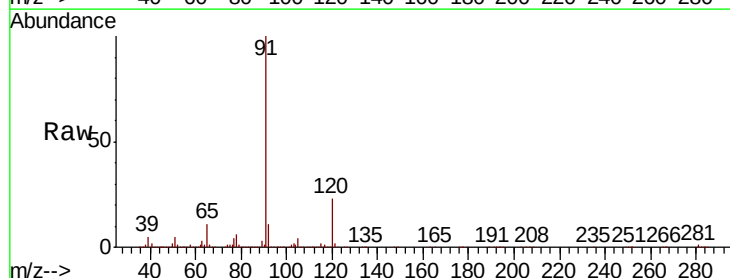
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005069.D

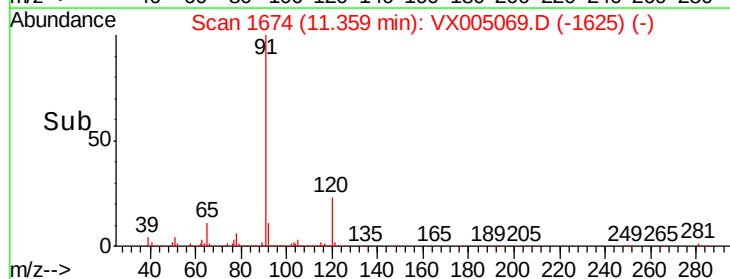
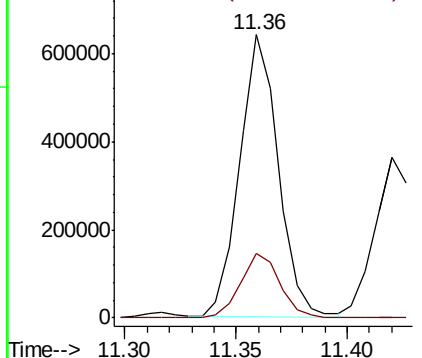
Acq: 05 Oct 2018 16:37

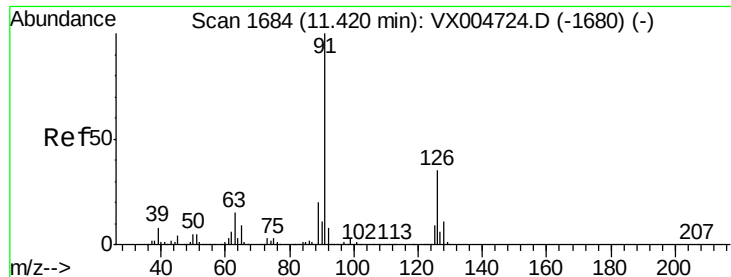
Tgt Ion:	91	Resp:	776267
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.069 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 455726

Ion Ratio Lower Upper

91 100

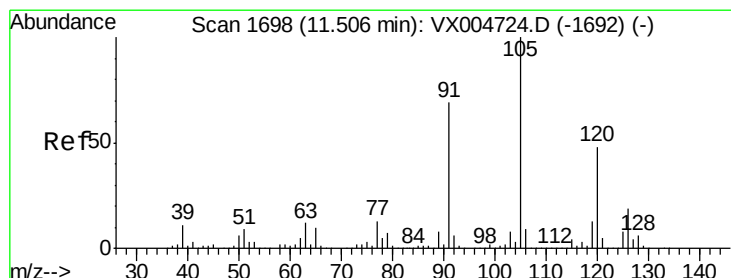
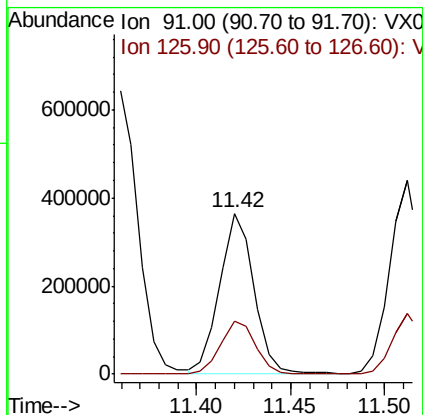
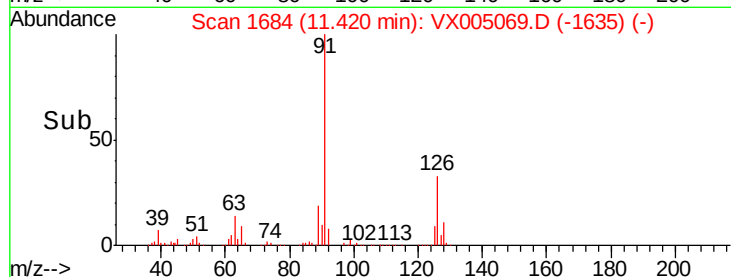
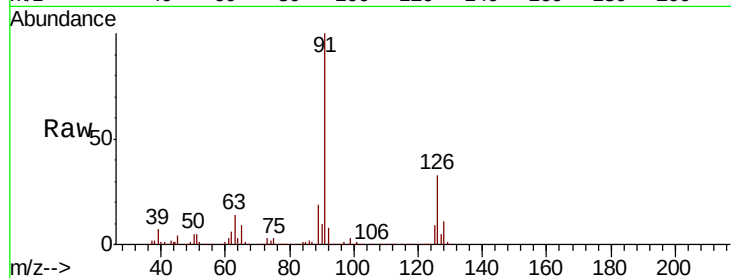
126 34.7 17.6 52.9

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:46:10 PM



#80

1,3,5-Trimethylbenzene

Concen: 50.811 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005069.D

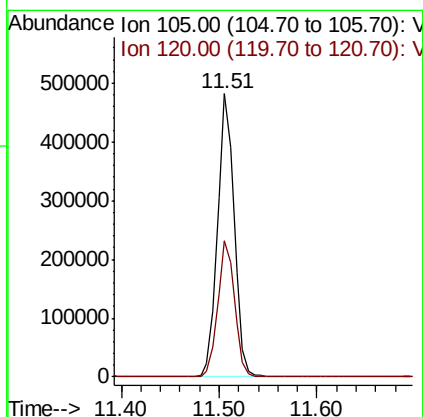
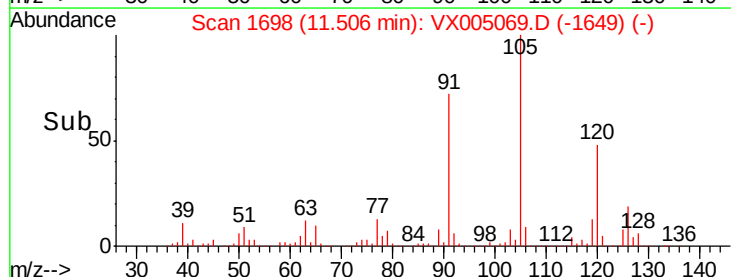
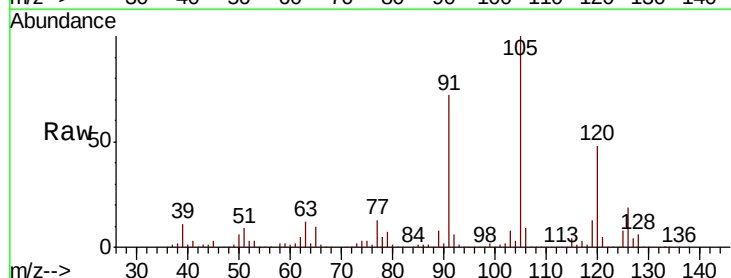
Acq: 05 Oct 2018 16:37

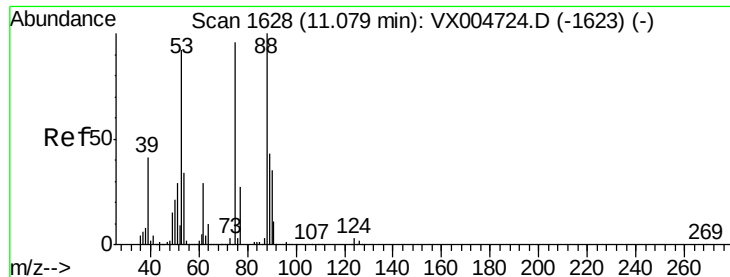
Tgt Ion: 105 Resp: 569886

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





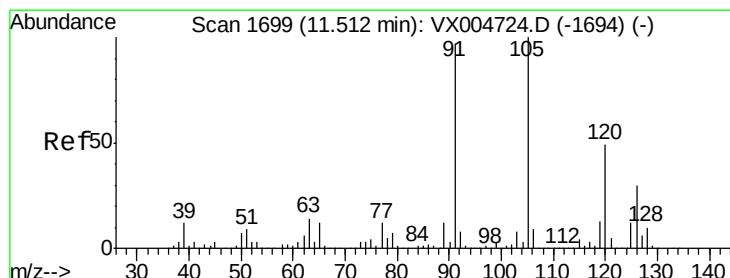
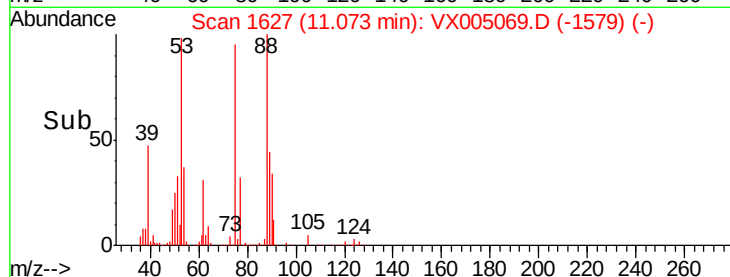
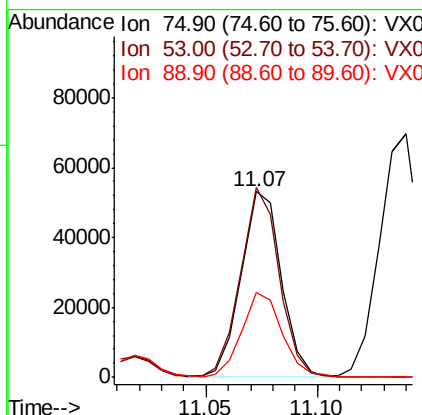
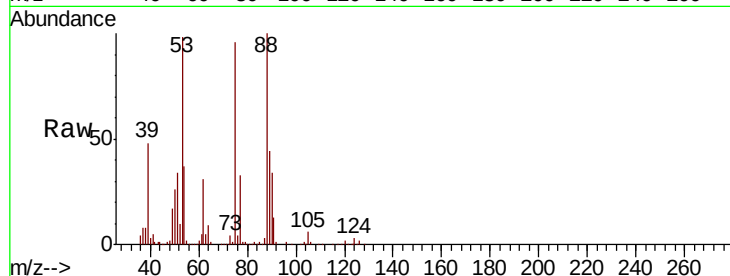
#81
trans-1,4-Dichloro-2-butene
Concen: 42.059 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	80.2	120.4
89	46.7	37.1	55.7

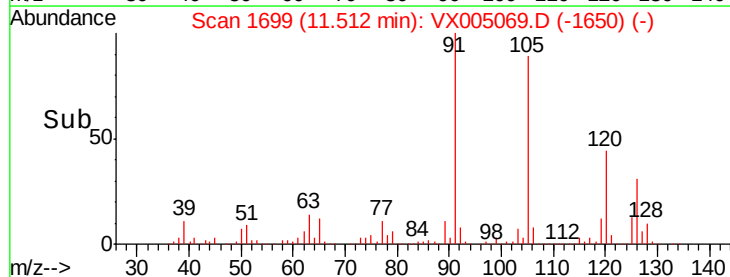
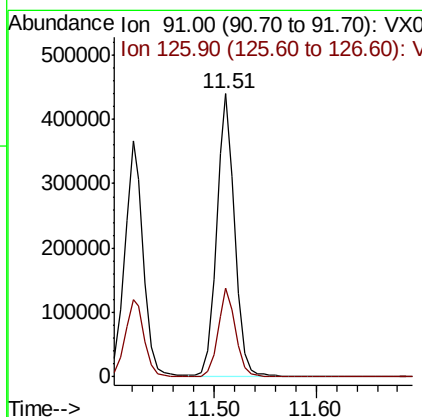
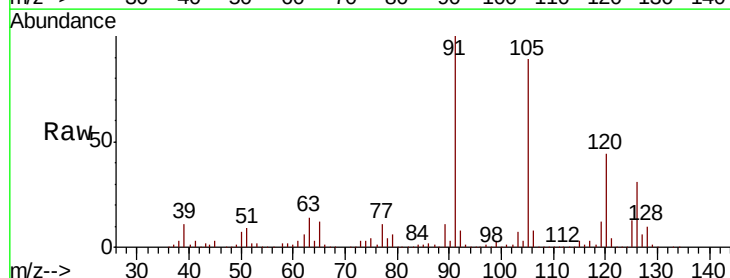
Manual Integrations
APPROVED

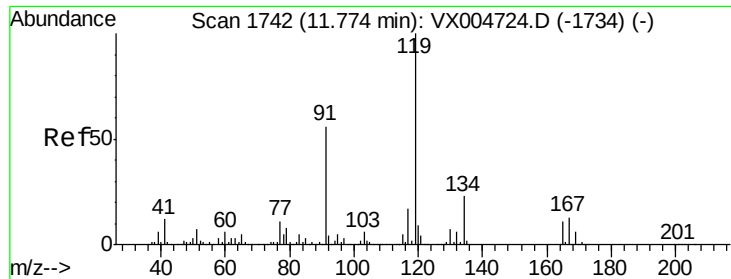
MMDadoda
10/8/2018 1:46:10 PM



#82
4-Chlorotoluene
Concen: 53.021 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.5	46.5





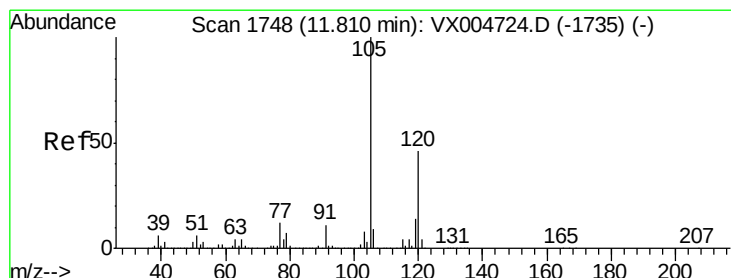
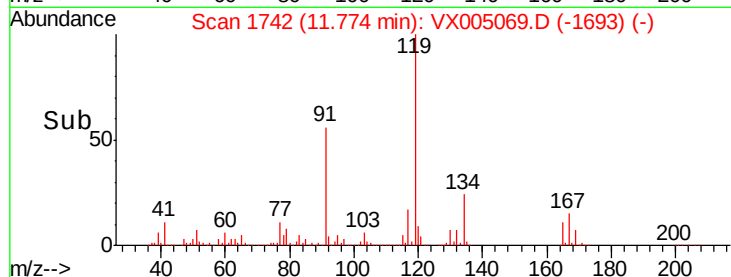
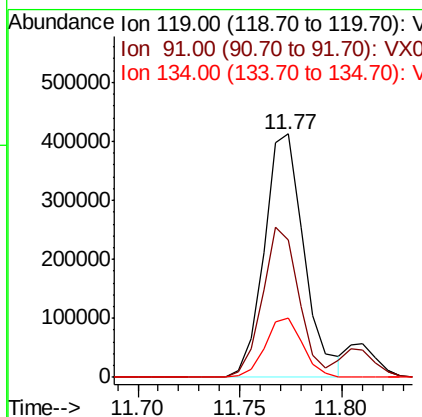
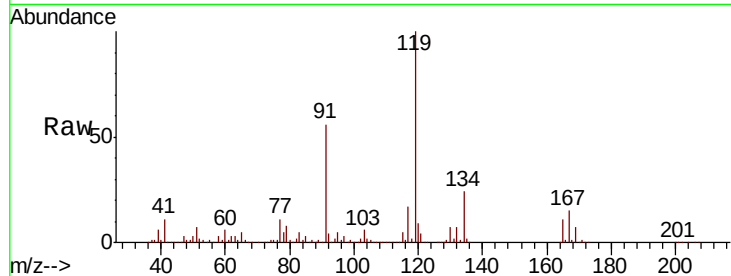
#83
 tert-Butylbenzene
 Concen: 55.759 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.4	27.5	82.5
134	23.1	11.5	34.4

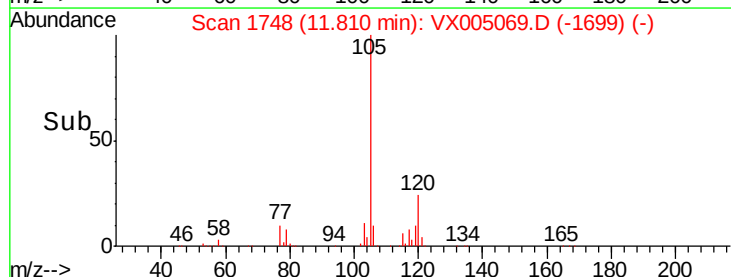
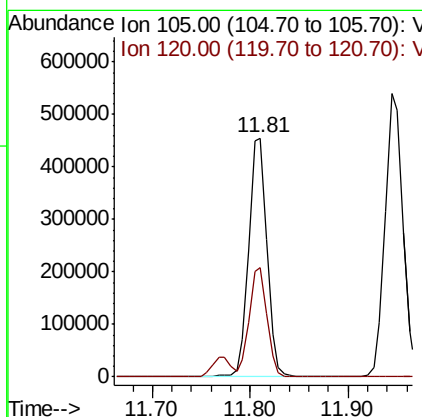
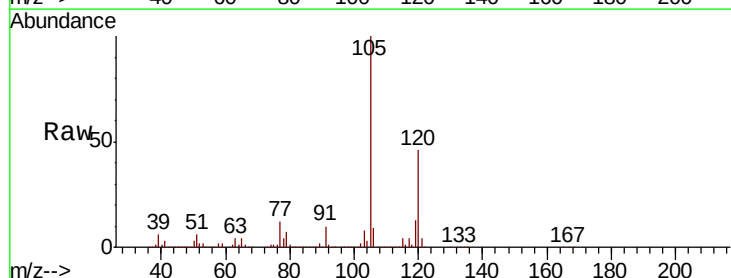
Manual Integrations
 APPROVED

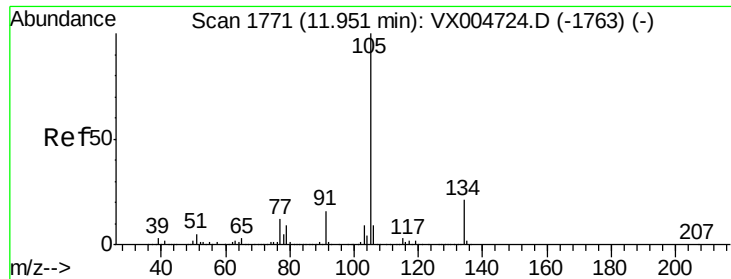
MMDadoda
 10/8/2018 1:46:10 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.944 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.3





#85

sec-Butylbenzene

Concen: 56.221 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 689991

Ion Ratio Lower Upper

105 100

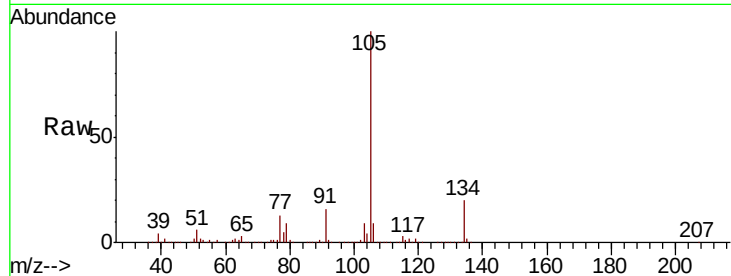
134 20.4 10.2 30.4

Manual Integrations

APPROVED

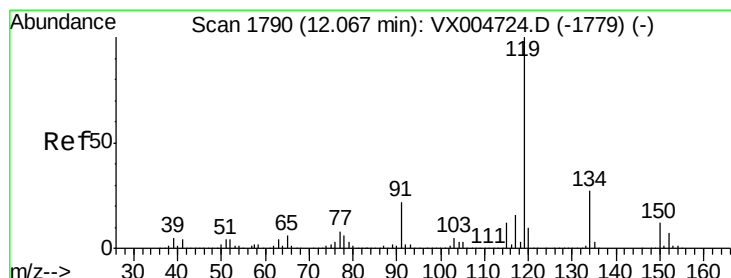
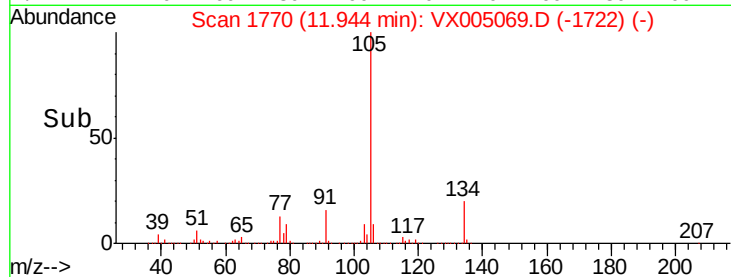
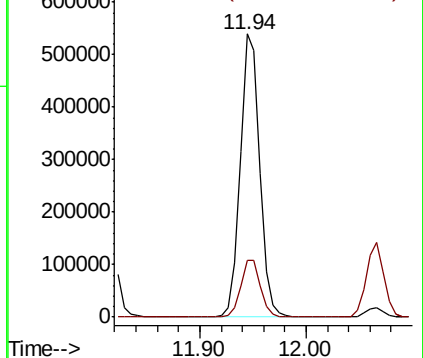
MMDadoda

10/8/2018 1:46:10 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.118 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005069.D

Acq: 05 Oct 2018 16:37

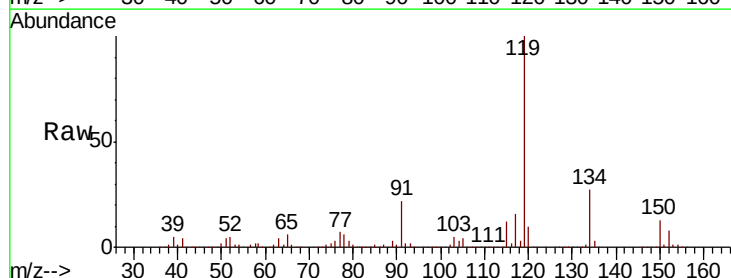
Tgt Ion:119 Resp: 623988

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

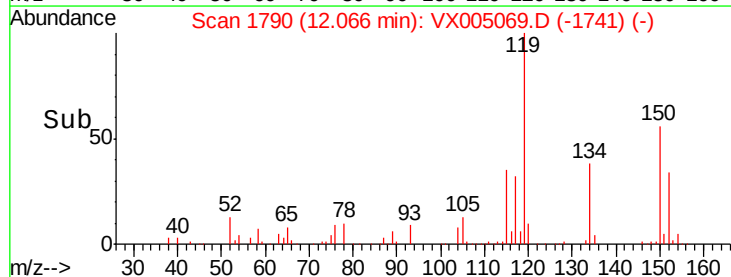
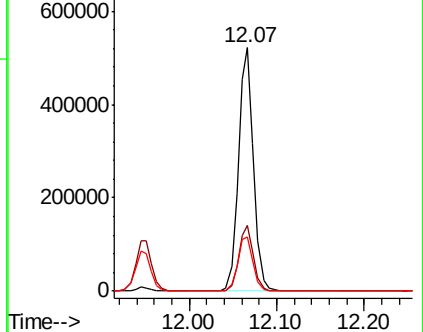
91 22.9 11.5 34.4

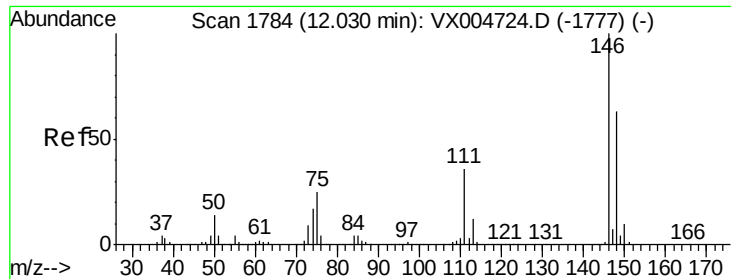


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





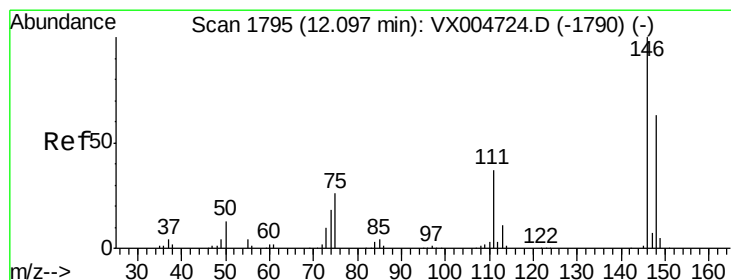
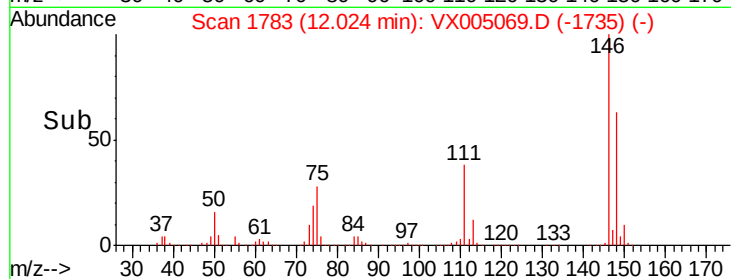
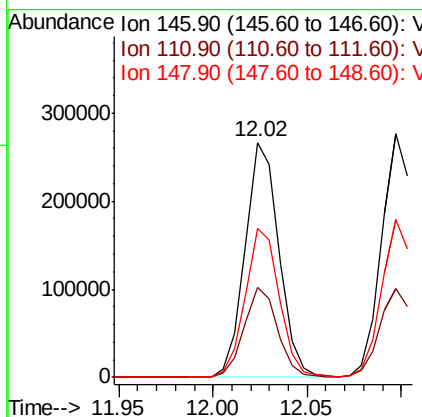
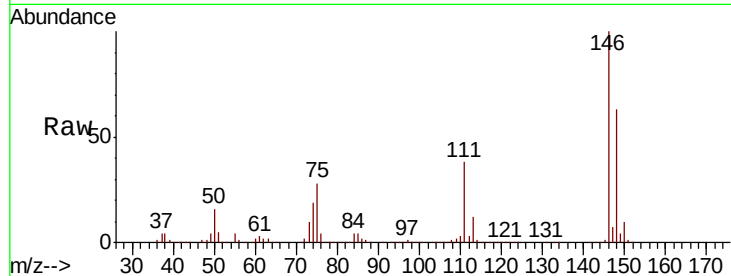
#87
 1,3-Dichlorobenzene
 Concen: 50.219 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.9	31.8	95.3

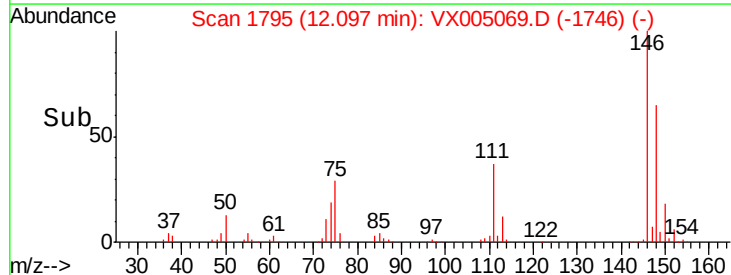
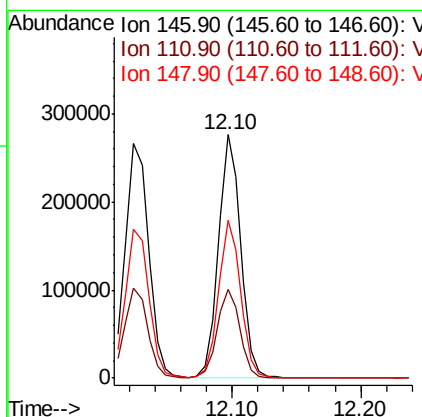
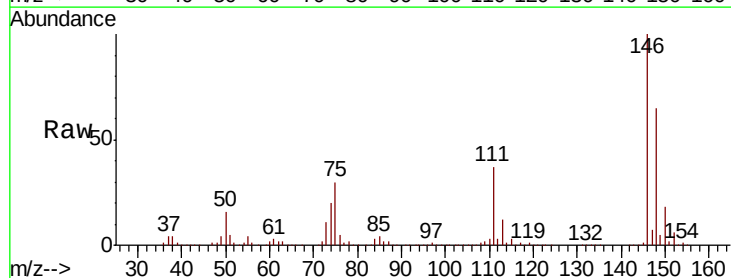
Manual Integrations
 APPROVED

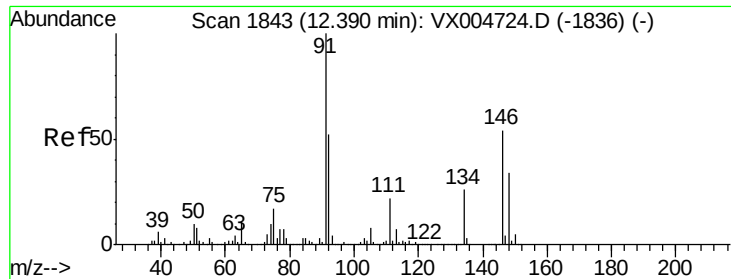
MMDadoda
 10/8/2018 1:46:10 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.324 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.2
148	64.5	32.0	96.0





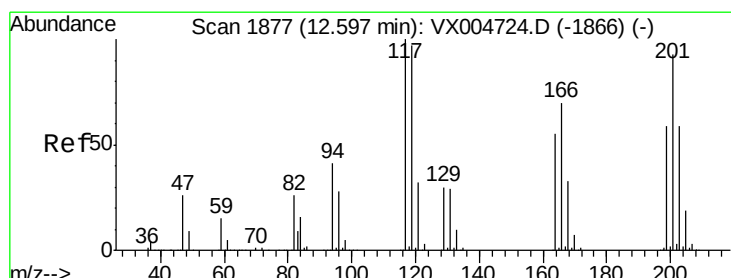
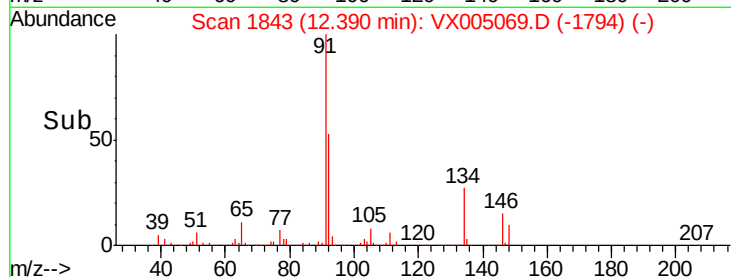
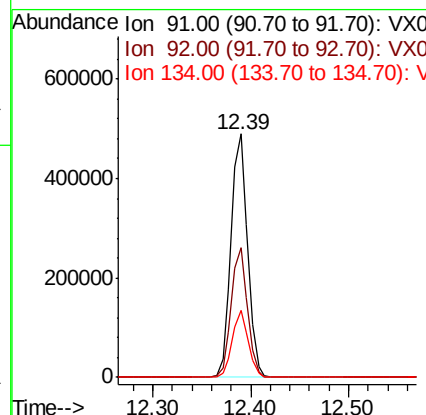
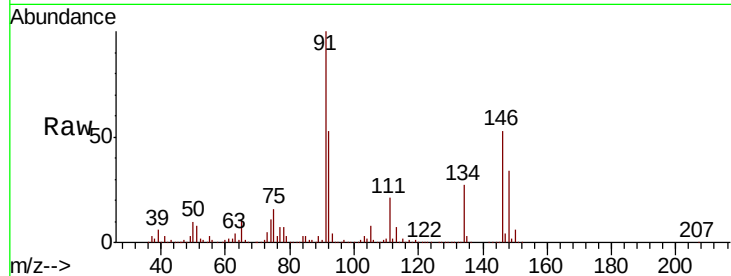
#89
n-Butylbenzene
Concen: 57.066 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	26.4	13.2	39.6

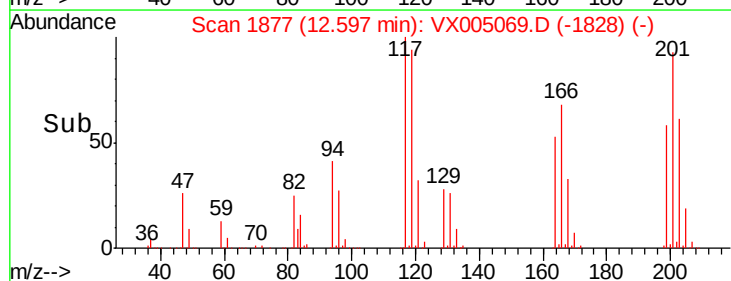
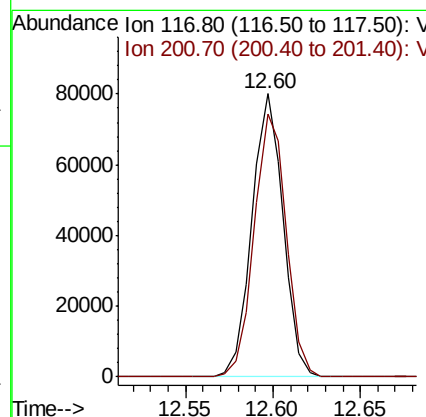
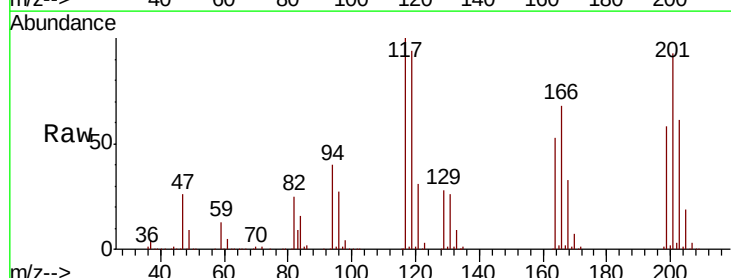
Manual Integrations
APPROVED

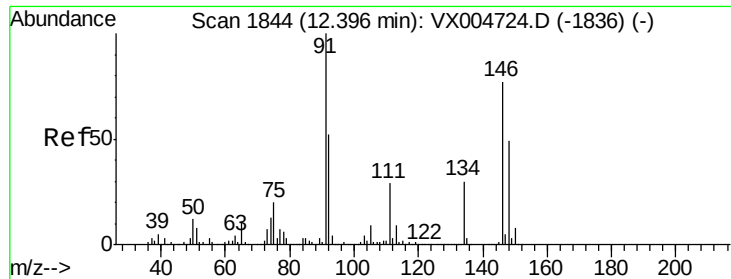
MMDadoda
10/8/2018 1:46:10 PM



#90
Hexachloroethane
Concen: 53.817 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.7	48.4	145.0





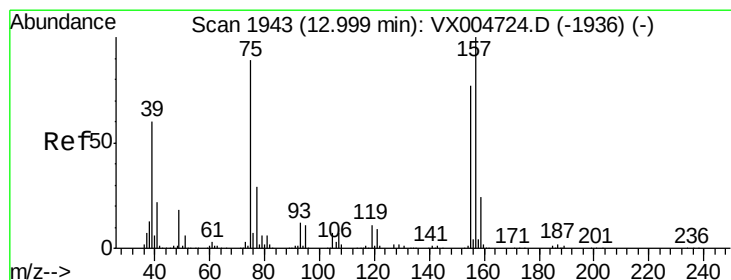
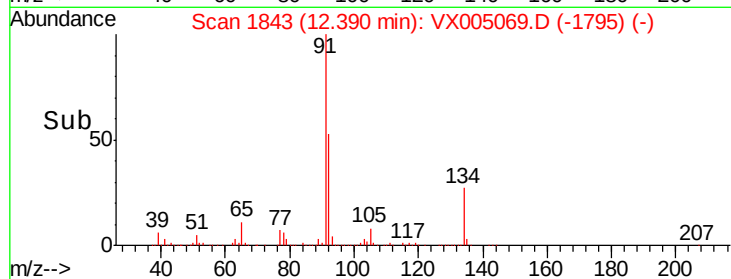
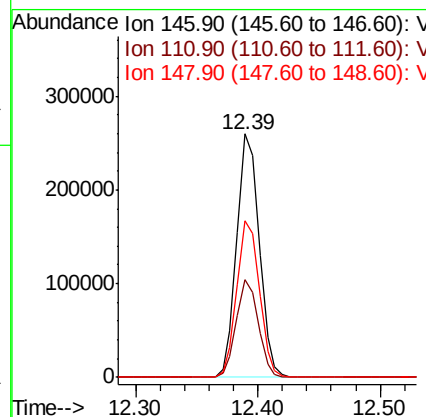
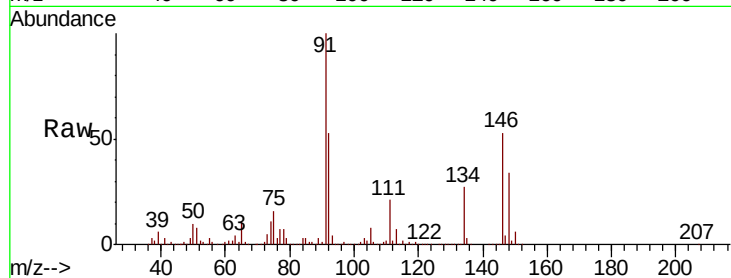
#91
 1,2-Dichlorobenzene
 Concen: 47.528 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.5	31.8	95.4

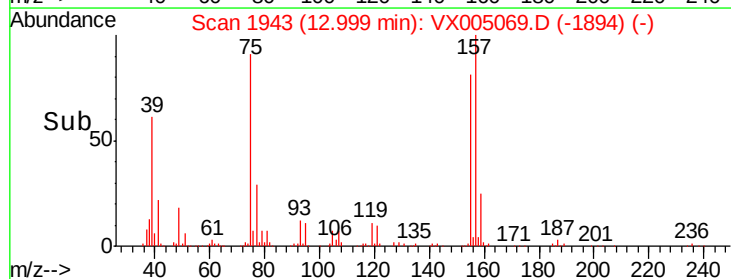
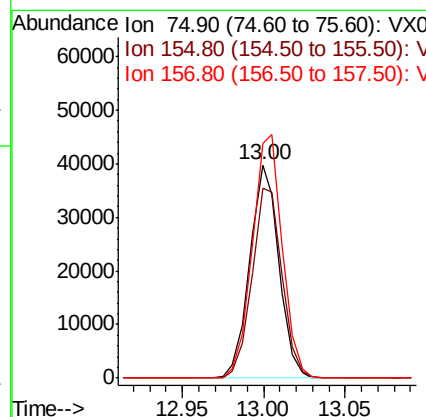
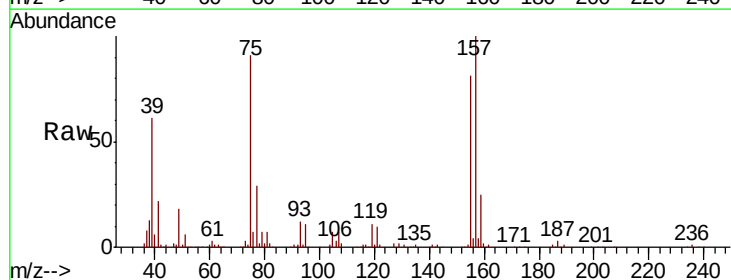
Manual Integrations
 APPROVED

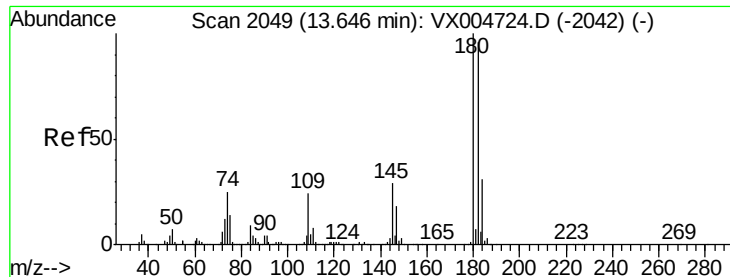
MMDadoda
 10/8/2018 1:46:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.353 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	46.1	138.3
157	117.4	60.2	180.6





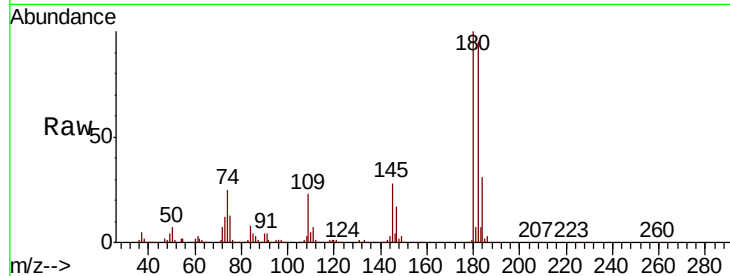
#93
 1,2,4-Trichlorobenzene
 Concen: 54.119 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	263333		
182	95.1	47.8	143.4	
145	28.0	14.1	42.4	

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:46:10 PM

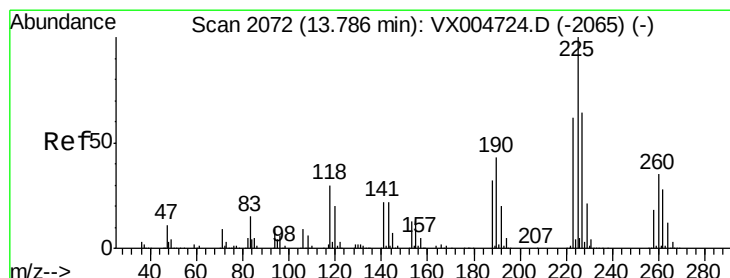
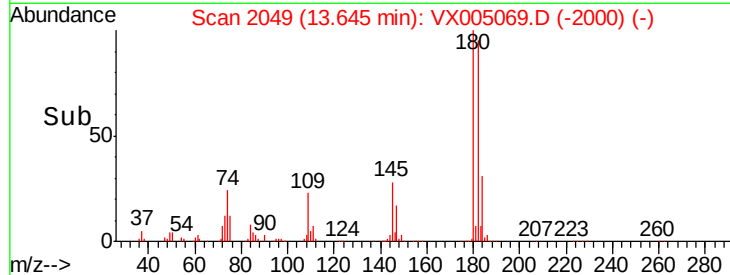
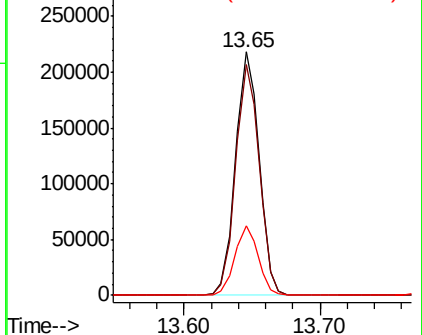


Abundance

Ion 179.80 (179.50 to 180.50): V

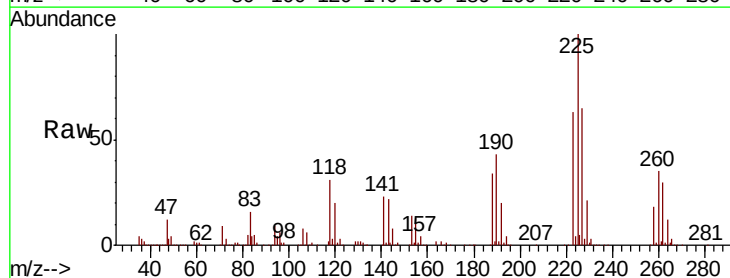
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 51.947 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005069.D
 Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131072		
223	62.8	31.3	93.8	
227	64.8	31.9	95.5	

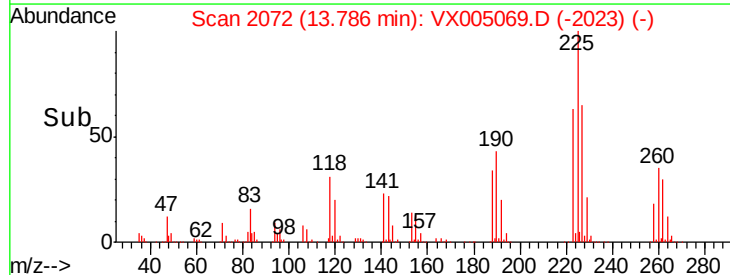
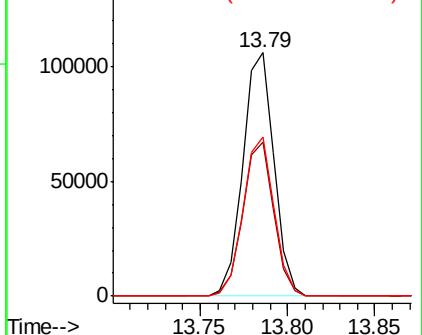


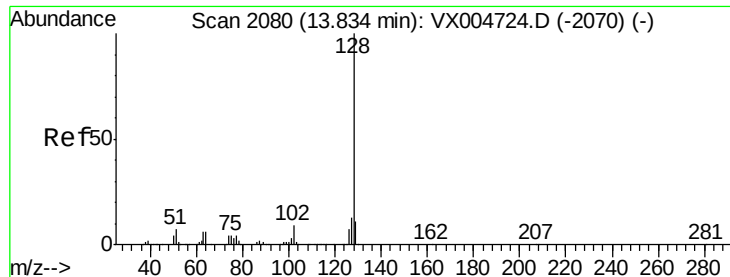
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





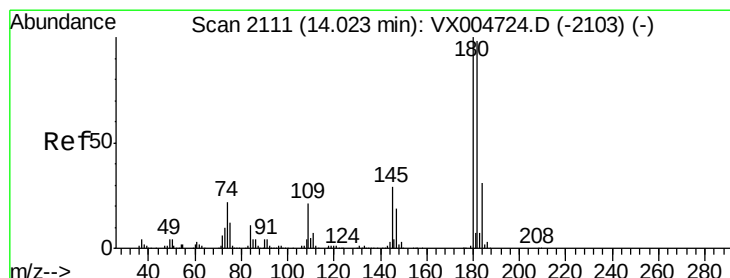
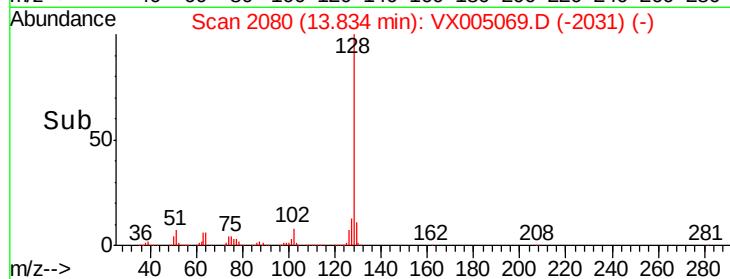
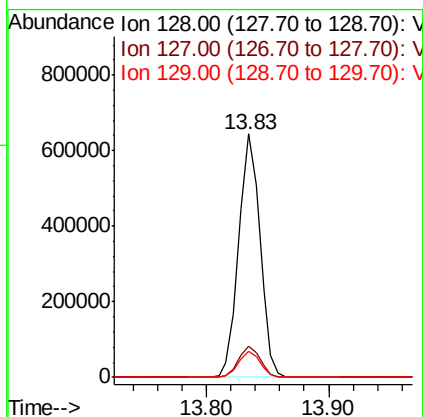
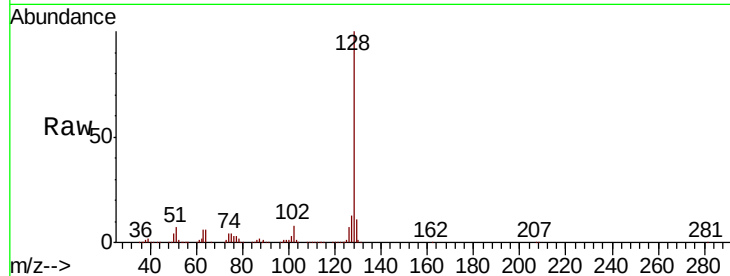
#95
Naphthalene
Concen: 47.853 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:46:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.862 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005069.D
Acq: 05 Oct 2018 16:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.9	143.8
145	30.0	15.0	45.0

