

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021419\
 Data File : VX007534.D
 Acq On : 13 Feb 2019 21:24
 Operator : JC/SP
 Sample : K1460-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:57:31 AM

Quant Time: Feb 14 03:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	451921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	685567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	627984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	312961	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	250706	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	5.51	113	228683	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	8.71	98	820294	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.13	95	294617	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	246014	44.320	ug/l	98
3) Chloromethane	1.33	50	217315	42.693	ug/l	99
4) Vinyl Chloride	1.41	62	242927	48.647	ug/l	98
5) Bromomethane	1.64	94	215620	43.606	ug/l	98
6) Chloroethane	1.72	64	166952	51.682	ug/l	100
7) Trichlorofluoromethane	1.93	101	378659	48.472	ug/l	98
8) Diethyl Ether	2.19	74	143175	48.695	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	210720	45.348	ug/l	99
10) Methyl Iodide	2.51	142	278466	40.738	ug/l	99
11) Tert butyl alcohol	3.07	59	308510	310.780	ug/l	98
12) 1,1-Dichloroethene	2.37	96	199120	46.147	ug/l	97
13) Acrolein	2.30	56	114615	246.218	ug/l #	80
14) Allyl chloride	2.73	41	349668	49.735	ug/l	99
15) Acrylonitrile	3.15	53	646453	263.243	ug/l	99
16) Acetone	2.45	43	589464	268.270	ug/l	99
17) Carbon Disulfide	2.57	76	502593	44.775	ug/l	100
18) Methyl Acetate	2.78	43	334817	58.382	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	755813	54.067	ug/l	99
20) Methylene Chloride	2.86	84	226958	50.573	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	210161	45.722	ug/l	95
22) Diisopropyl ether	3.87	45	666009	51.499	ug/l	98
23) Vinyl Acetate	3.82	43	2643202	246.300	ug/l	100
24) 1,1-Dichloroethane	3.70	63	372471	50.152	ug/l	99
25) 2-Butanone	4.70	43	852043	272.480	ug/l	99
26) 2,2-Dichloropropane	4.59	77	240667	42.551	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	245965	48.992	ug/l	97
28) Bromochloromethane	5.02	49	171301	50.157	ug/l	98
29) Tetrahydrofuran	5.15	42	552316	280.839	ug/l	99
30) Chloroform	5.21	83	393772	50.811	ug/l	99
31) Cyclohexane	5.57	56	365953	54.863	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	338235	51.705	ug/l	99
36) 1,1-Dichloropropene	5.80	75	273603	44.480	ug/l	100
37) Ethyl Acetate	4.85	43	298922	48.073	ug/l	99
38) Carbon Tetrachloride	5.78	117	294694	49.382	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021419\
 Data File : VX007534.D
 Acq On : 13 Feb 2019 21:24
 Operator : JC/SP
 Sample : K1460-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:57:31 AM

Quant Time: Feb 14 03:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	394449	53.001	ug/l	99
40) Benzene	6.14	78	1015017	56.018	ug/l	100
41) Methacrylonitrile	5.06	41	173101	51.942	ug/l	99
42) 1,2-Dichloroethane	6.20	62	294057	46.905	ug/l	97
43) Isopropyl Acetate	6.46	43	492702	51.335	ug/l	100
44) Trichloroethene	7.21	130	246198	45.114	ug/l	99
45) 1,2-Dichloropropane	7.51	63	219659	48.384	ug/l	100
46) Dibromomethane	7.66	93	154979	46.969	ug/l	100
47) Bromodichloromethane	7.90	83	279444	49.971	ug/l	99
48) Methyl methacrylate	7.77	41	261161	54.400	ug/l	98
49) 1,4-Dioxane	7.75	88	108570	994.475	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1676143	265.288	ug/l	99
52) Toluene	8.78	92	556061	47.565	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	304158	50.636	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	328975	49.802	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	235461	48.318	ug/l	98
56) Ethyl methacrylate	9.18	69	350633	51.951	ug/l	99
57) 1,3-Dichloropropane	9.37	76	373102	48.144	ug/l	99
59) 2-Hexanone	9.49	43	1278467	260.030	ug/l	99
60) Dibromochloromethane	9.59	129	248465	53.911	ug/l	97
61) 1,2-Dibromoethane	9.67	107	254973	49.407	ug/l	98
64) Tetrachloroethene	9.34	164	226628	38.289	ug/l	99
65) Chlorobenzene	10.13	112	644225	47.011	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	237208	51.629	ug/l	99
67) Ethyl Benzene	10.25	91	1038961	47.079	ug/l	99
68) m/p-Xylenes	10.36	106	818048	93.252	ug/l	100
69) o-Xylene	10.70	106	401962	47.619	ug/l	99
70) Stvrene	10.71	104	646805	47.247	ug/l	100
71) Bromoform	10.86	173	189819	47.338	ug/l	100
73) Isopropylbenzene	11.02	105	1077861	50.681	ug/l	99
74) N-amyl acetate	10.90	43	430222	52.300	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	352763	54.427	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	326131m	53.574	ug/l	
77) Bromobenzene	11.26	156	289255	48.272	ug/l	100
78) n-propylbenzene	11.36	91	1180849	50.635	ug/l	99
79) 2-Chlorotoluene	11.42	91	692694	48.951	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	868692	49.927	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	94603	48.201	ug/l	95
82) 4-Chlorotoluene	11.51	91	801209	48.932	ug/l	100
83) tert-Butylbenzene	11.77	119	907060	52.655	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	880374	49.839	ug/l	99
85) sec-Butylbenzene	11.94	105	1054004	50.554	ug/l	100
86) p-Isopropyltoluene	12.06	119	929430	49.383	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	499103	46.411	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	502668	46.072	ug/l	100
89) n-Butylbenzene	12.39	91	786533	48.580	ug/l	100
90) Hexachloroethane	12.60	117	157279	55.837	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	500526	46.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	76140	56.497	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	344244	47.696	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021419\
Data File : VX007534.D
Acq On : 13 Feb 2019 21:24
Operator : JC/SP
Sample : K1460-06MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

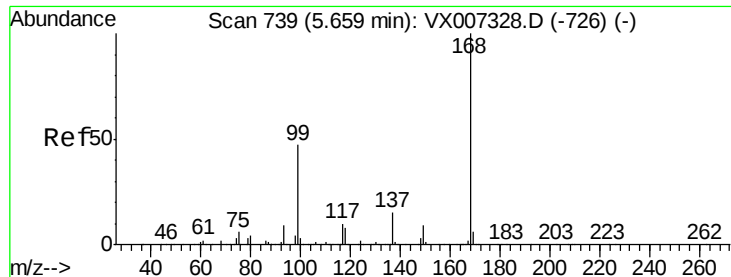
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM

Quant Time: Feb 14 03:59:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	159030	45.377	ug/l	99
95) Naphthalene	13.83	128	1111110	52.644	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	347500	47.832	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion:168 Resp: 451921

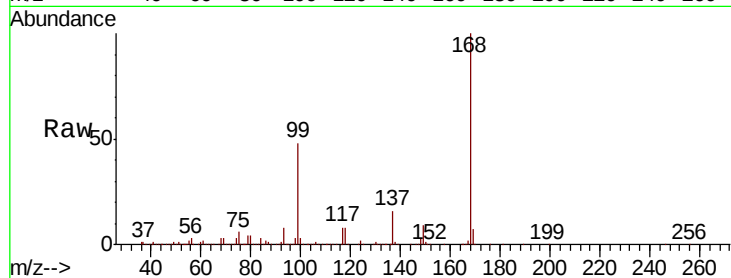
Ion Ratio Lower Upper

168 100

99 48.2 37.9 56.9

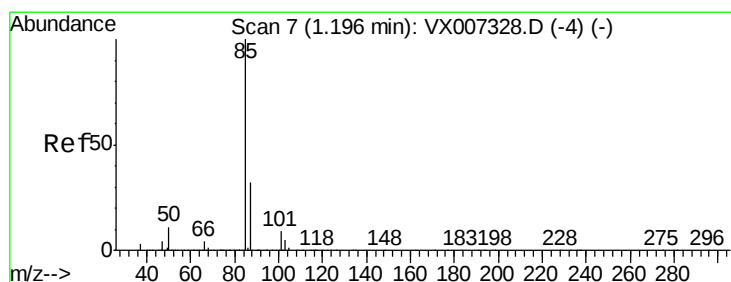
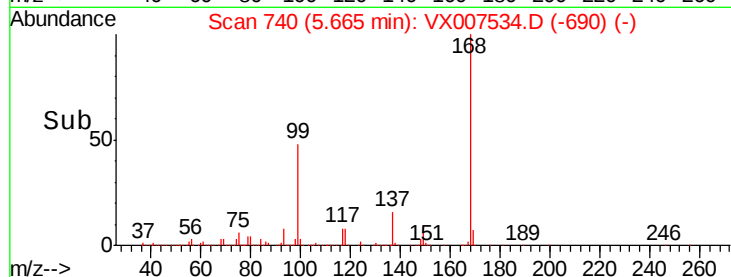
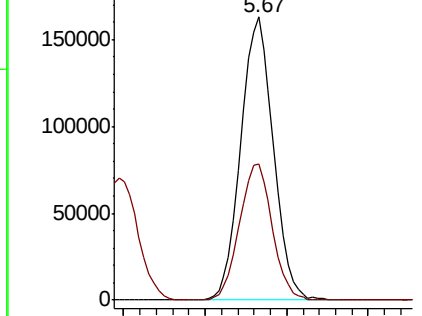
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 44.320 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007534.D

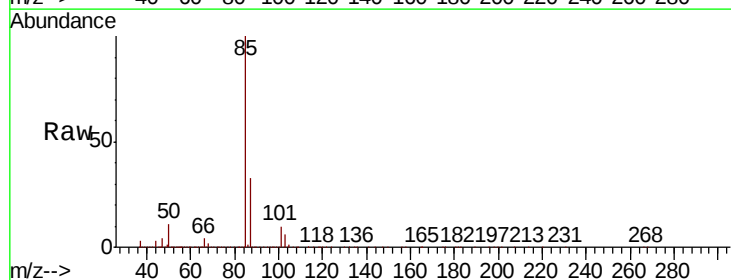
Acq: 13 Feb 2019 21:24

Tgt Ion: 85 Resp: 246014

Ion Ratio Lower Upper

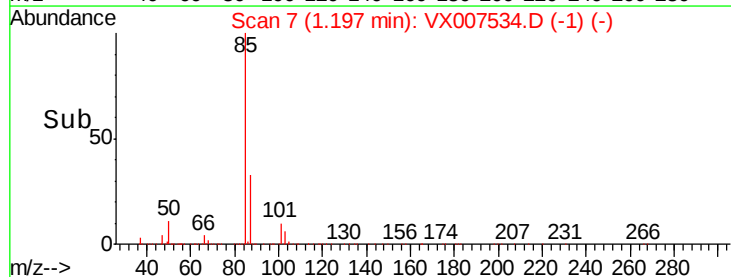
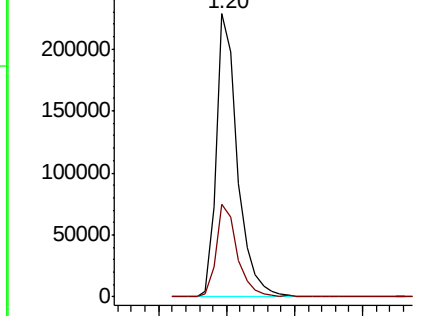
85 100

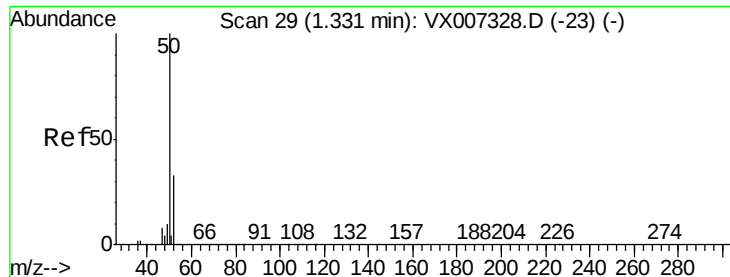
87 32.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 42.693 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion: 50 Resp: 217315

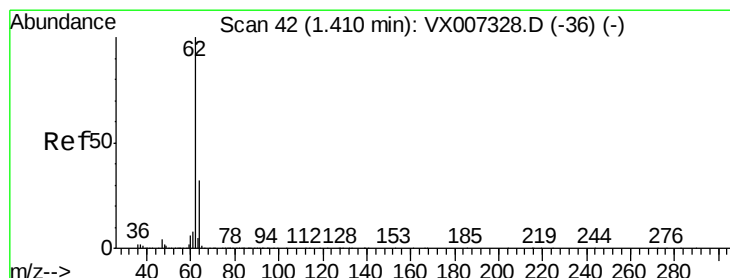
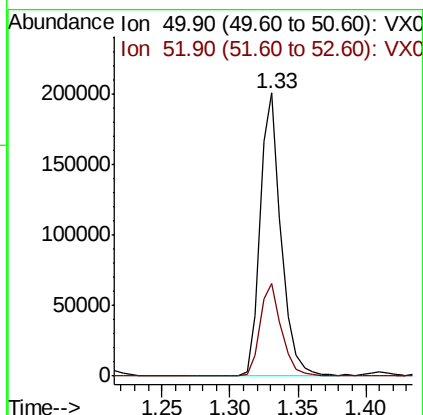
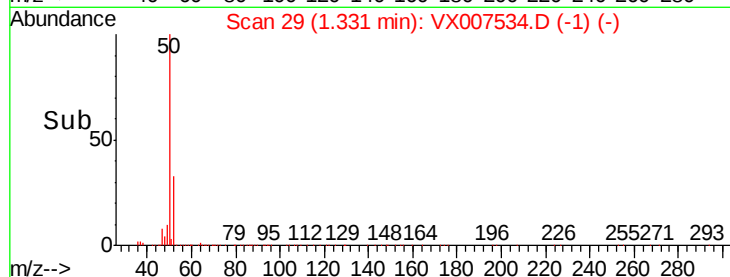
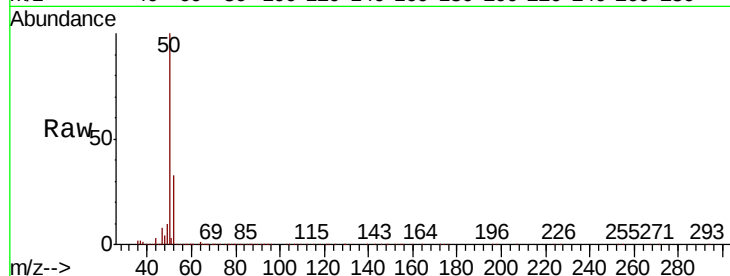
Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#4

Vinyl Chloride

Concen: 48.647 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007534.D

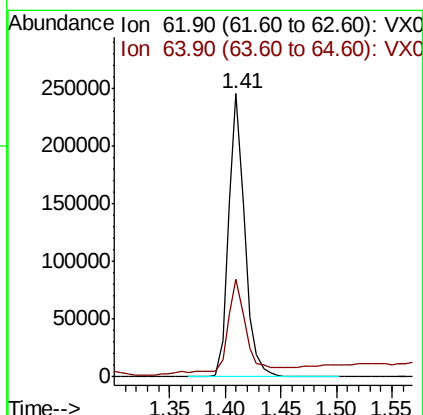
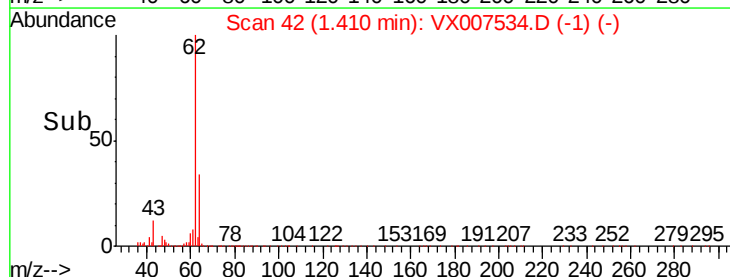
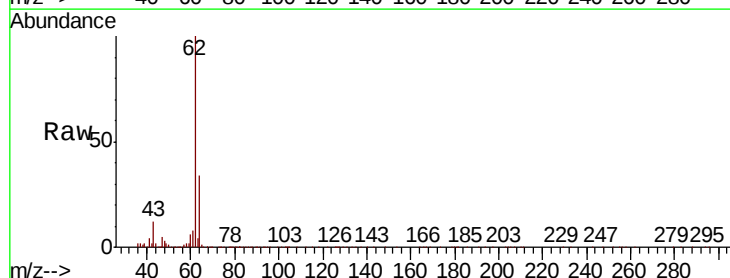
Acq: 13 Feb 2019 21:24

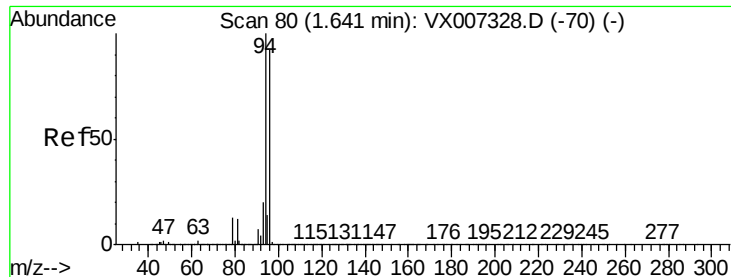
Tgt Ion: 62 Resp: 242927

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 43.606 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion: 94 Resp: 215620

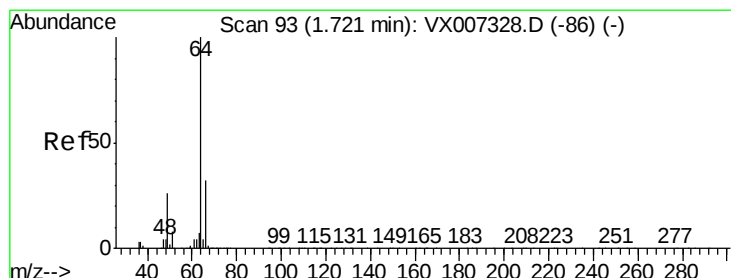
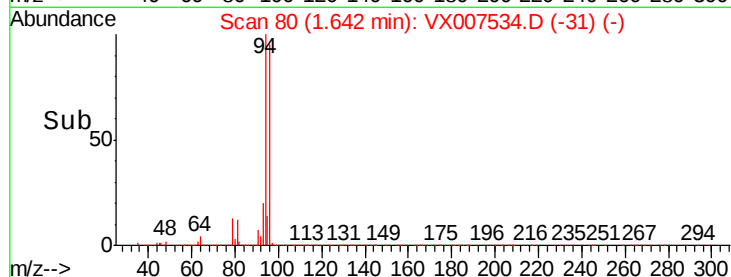
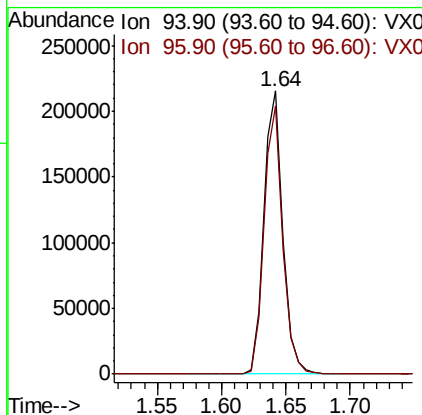
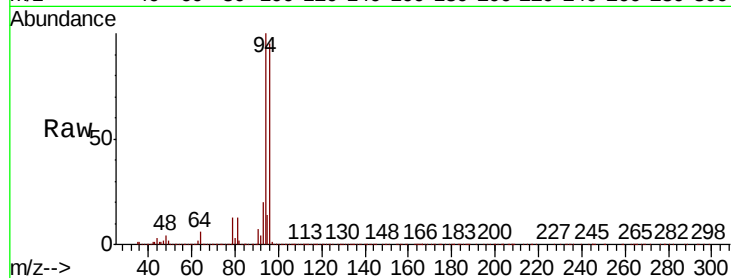
Ion Ratio Lower Upper

94 100

96 94.6 73.9 110.9

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#6

Chloroethane

Concen: 51.682 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007534.D

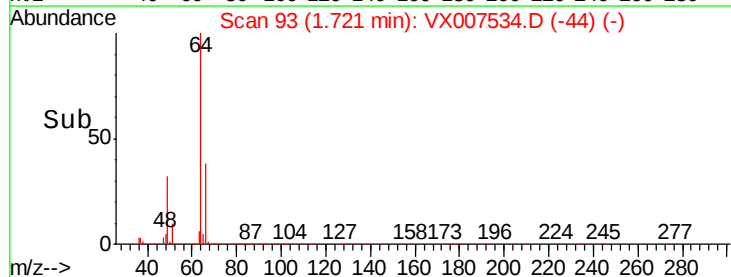
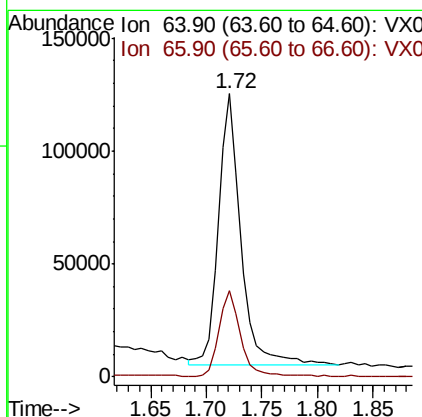
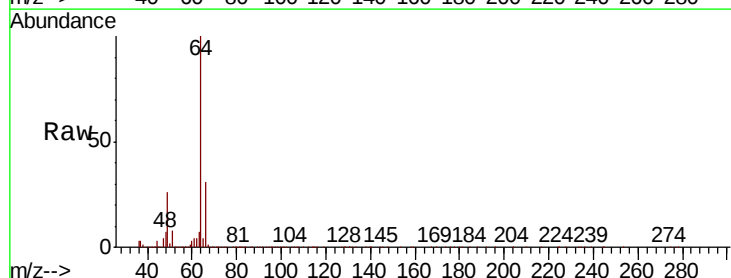
Acq: 13 Feb 2019 21:24

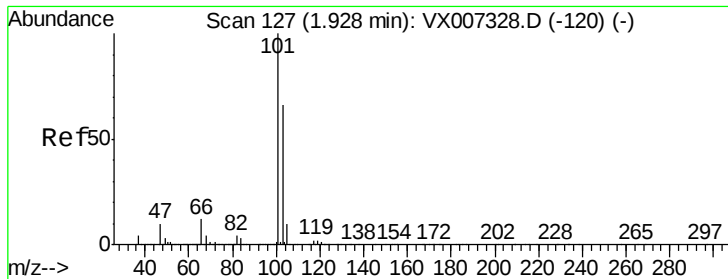
Tgt Ion: 64 Resp: 166952

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3





#7

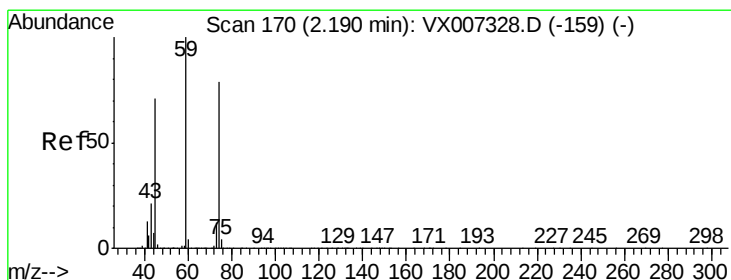
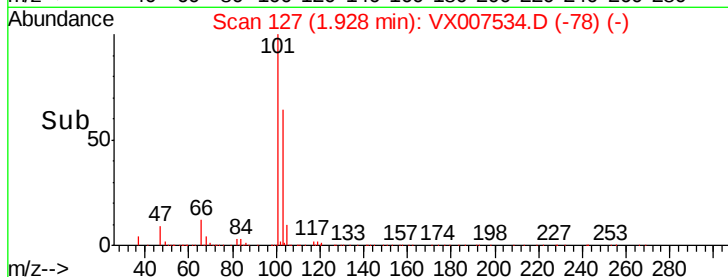
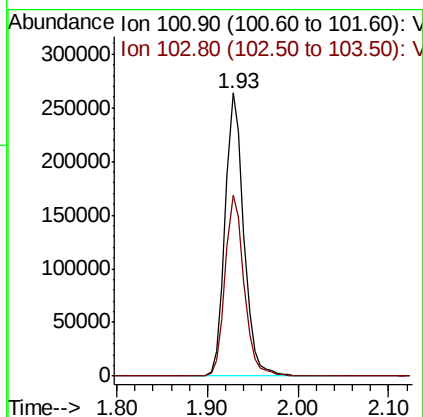
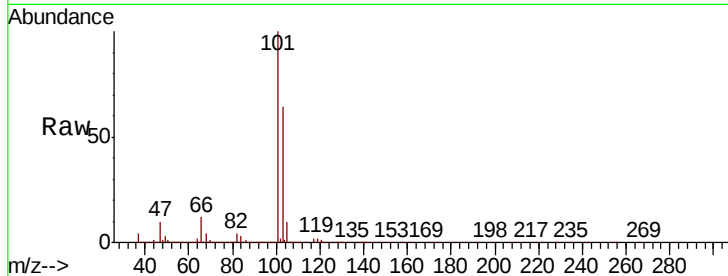
Trichlorofluoromethane
Concen: 48.472 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.6	79.0

Manual Integrations
APPROVED

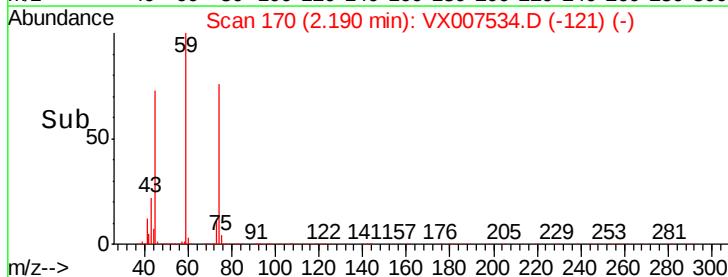
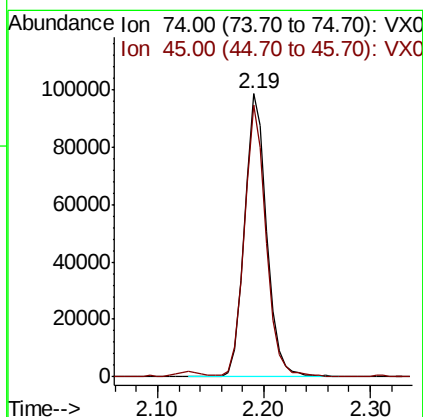
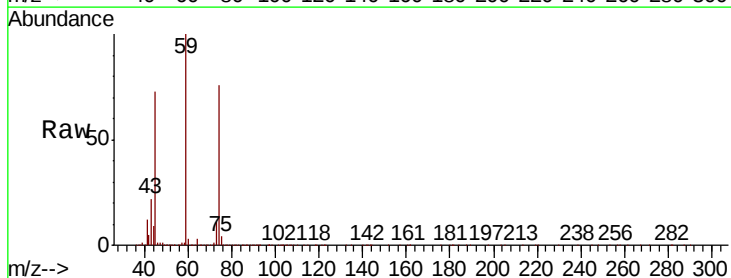
MMDadoda
2/14/2019 10:57:31 AM

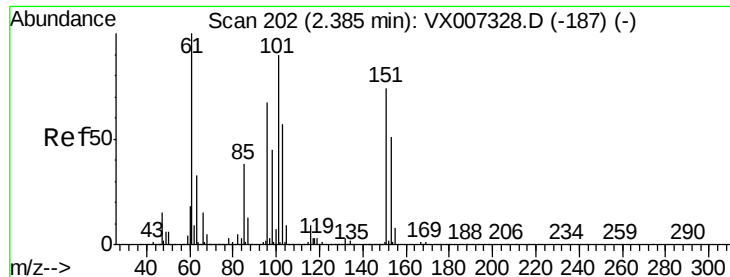


#8

Diethyl Ether
Concen: 48.695 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.348 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

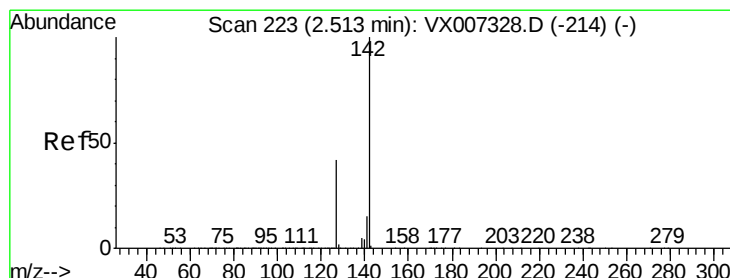
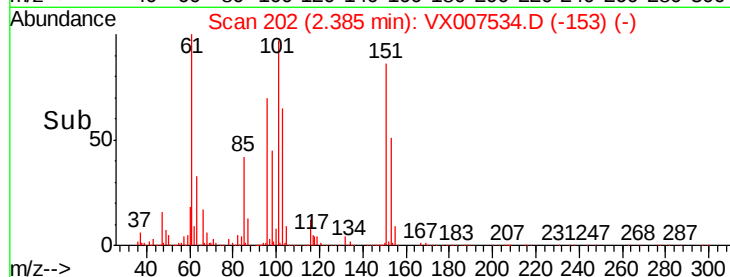
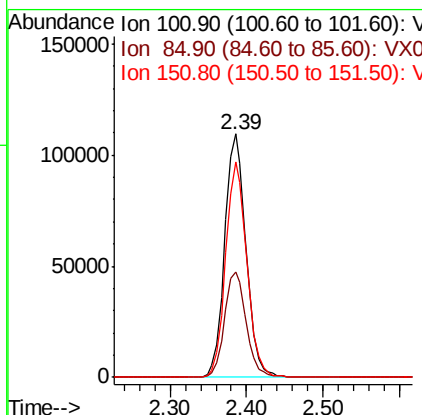
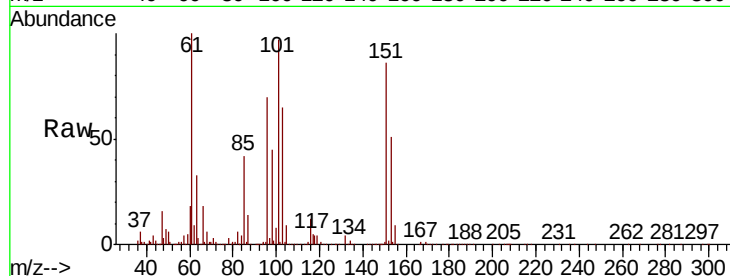
ClientSampleId :

MW-2-20190208MSD

Tot Ion:	101	Resp:	210720
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.1	51.1
151	88.1	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#10

Methyl Iodide

Concen: 40.738 ug/l

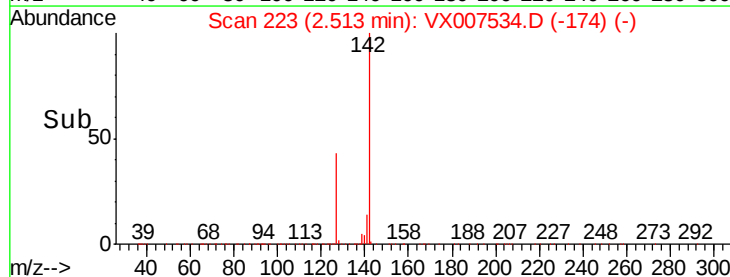
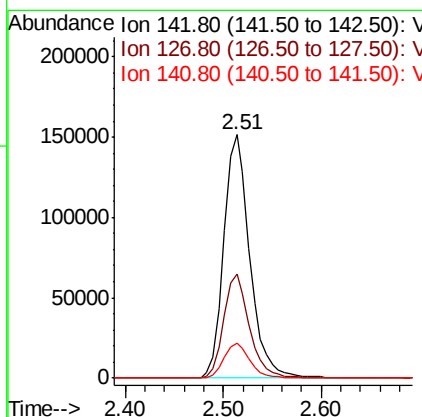
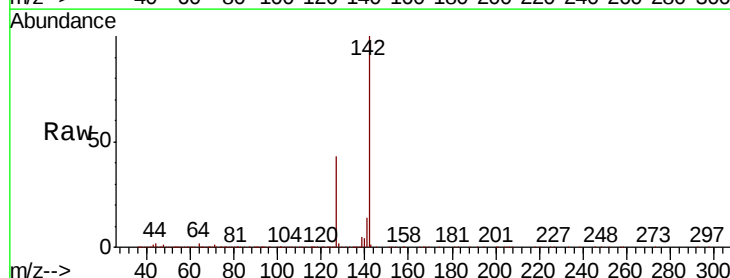
RT: 2.51 min Scan# 223

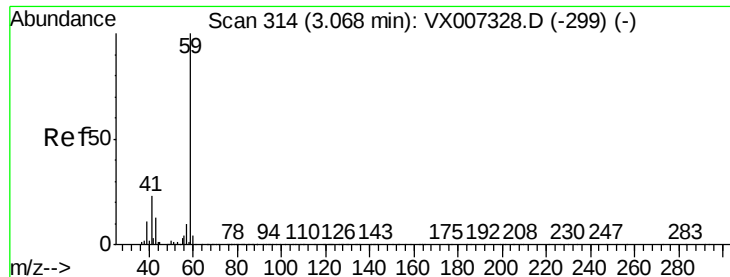
Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Tgt Ion:	142	Resp:	278466
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.7	50.5
141	14.4	11.3	16.9





#11

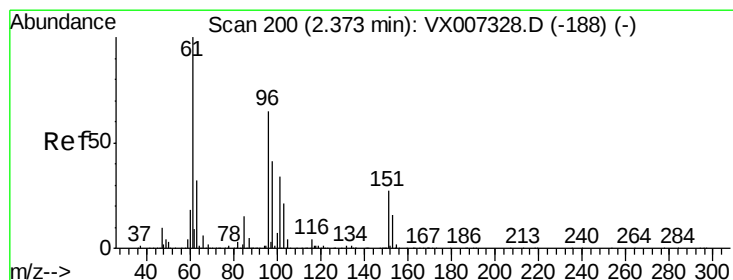
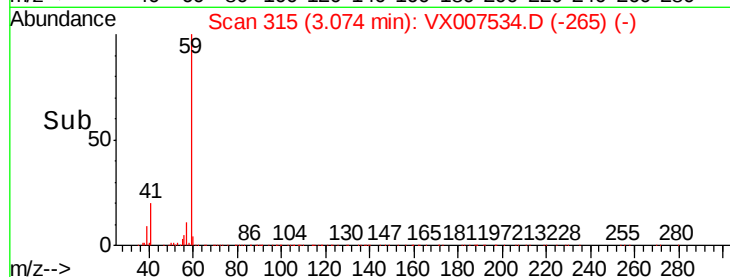
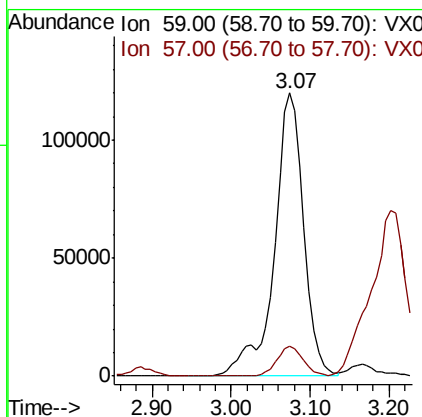
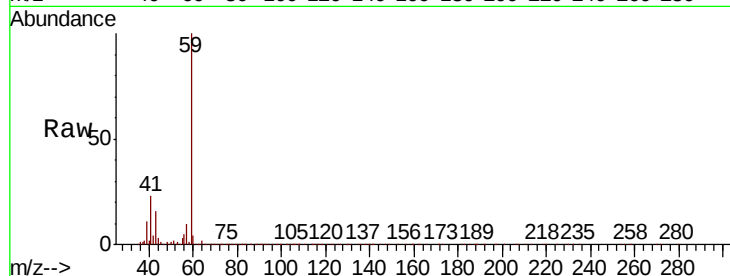
Tert butyl alcohol
Concen: 310.780 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.1	12.1

Manual Integrations
APPROVED

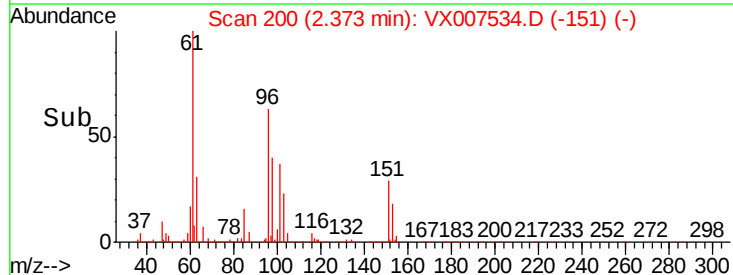
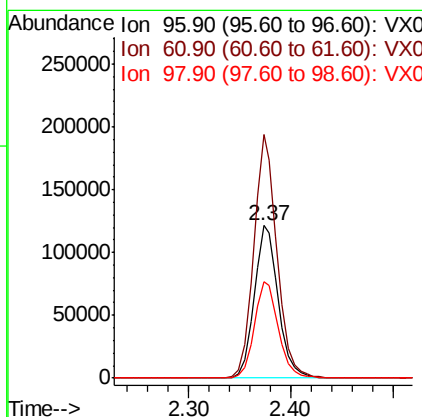
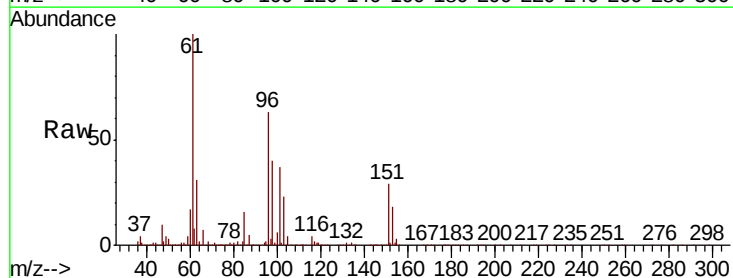
MMDadoda
2/14/2019 10:57:31 AM

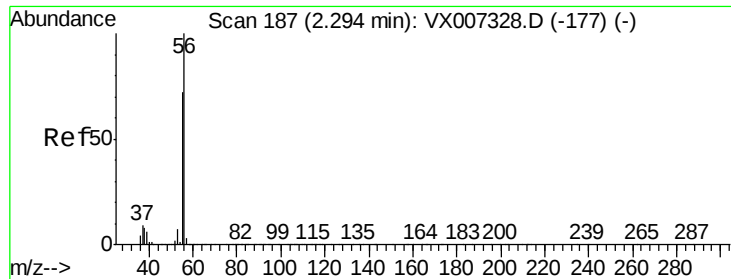


#12

1,1-Dichloroethene
Concen: 46.147 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	123.0	184.4
98	63.6	50.9	76.3





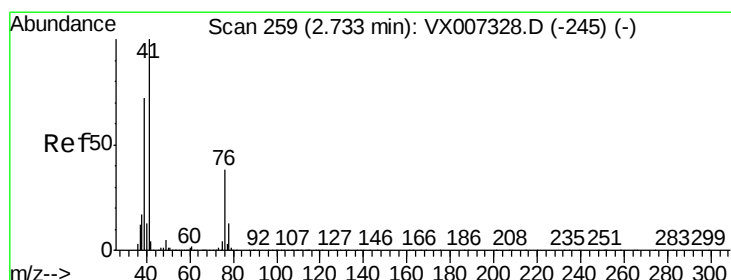
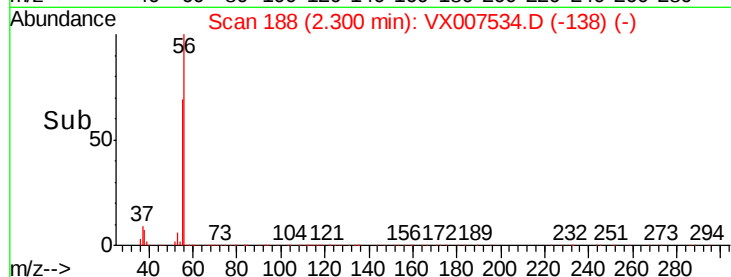
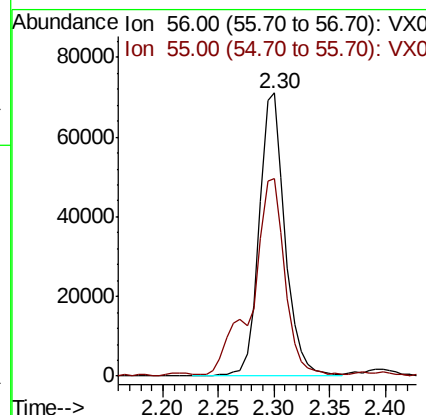
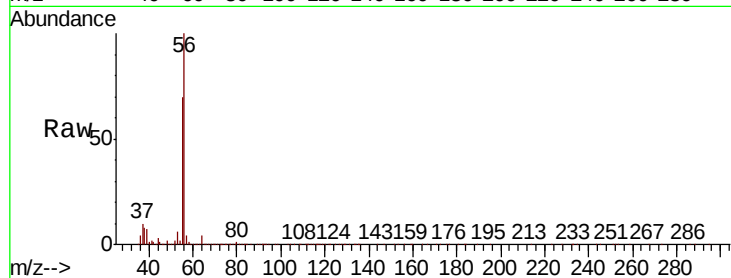
#13
Acrolein
Concen: 246.218 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	87.4	56.9	85.3#

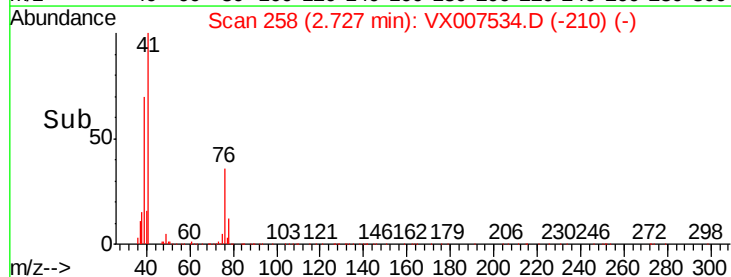
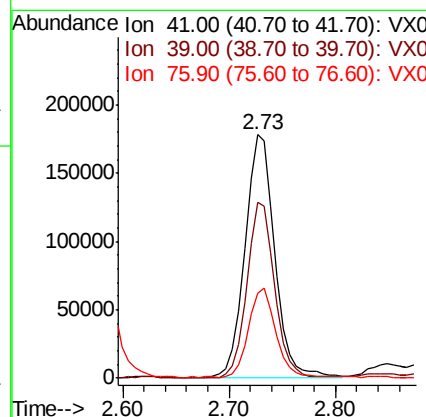
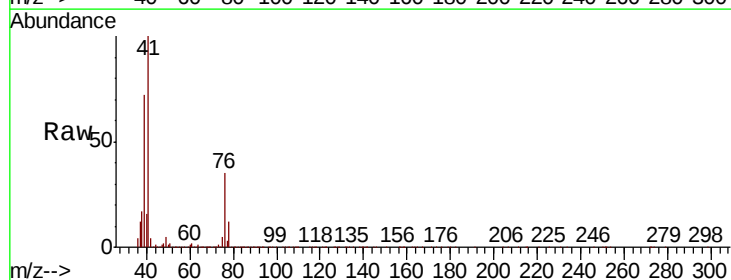
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#14
Allyl chloride
Concen: 49.735 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.0	54.1	81.1
76	33.7	27.8	41.8





#15

Acrylonitrile

Concen: 263.243 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

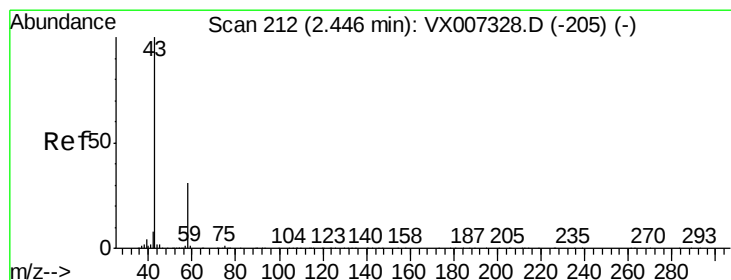
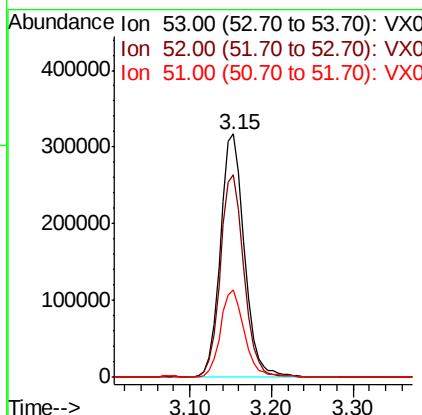
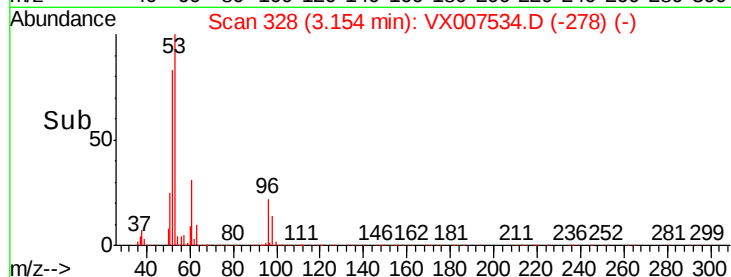
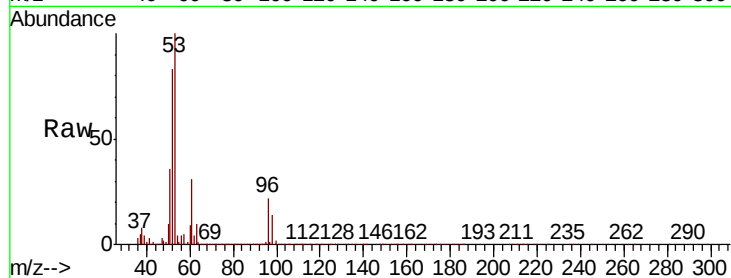
ClientSampleId :

MW-2-20190208MSD

Tot Ion:	53	Resp:	646453
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.4	99.6
51	35.9	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#16

Acetone

Concen: 268.270 ug/l

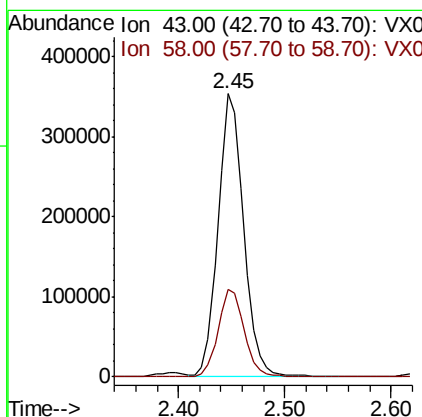
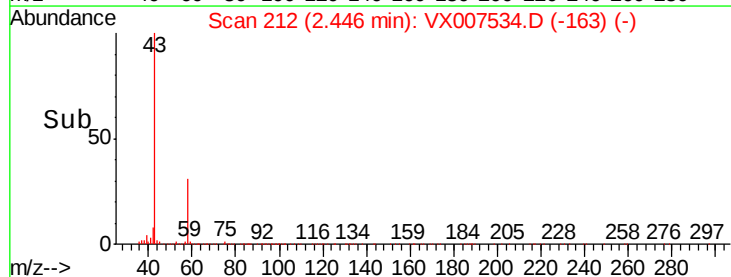
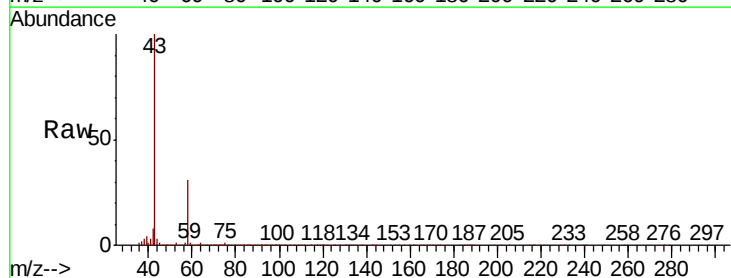
RT: 2.45 min Scan# 212

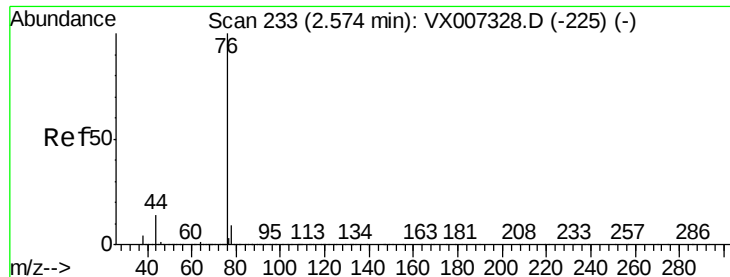
Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Tgt Ion:	43	Resp:	589464
Ion Ratio		Lower	Upper
43	100		
58	30.8	24.9	37.3





#17

Carbon Disulfide

Concen: 44.775 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion: 76 Resp: 502593

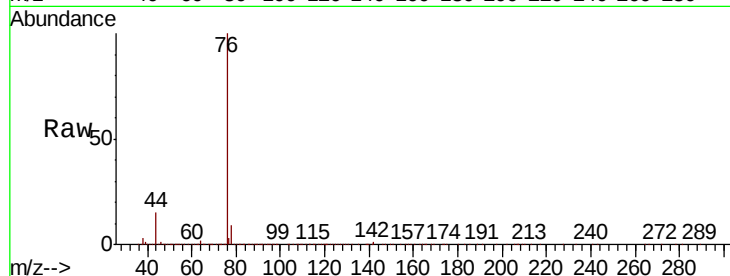
Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300000

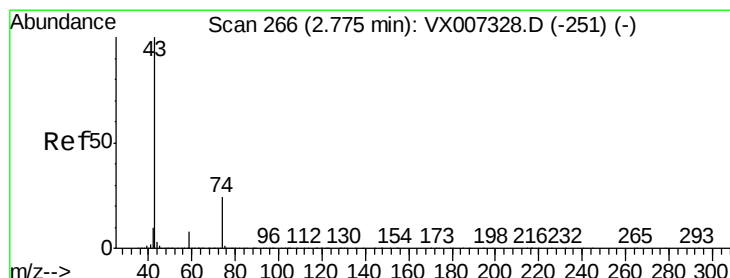
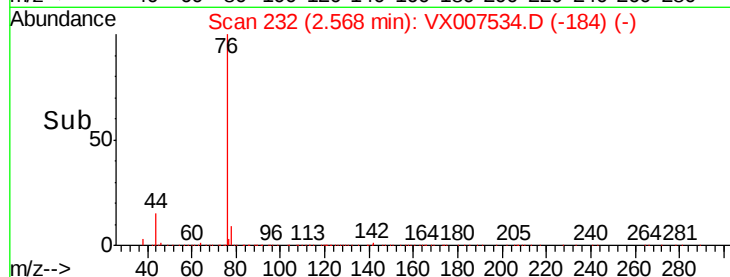
200000

100000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 58.382 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007534.D

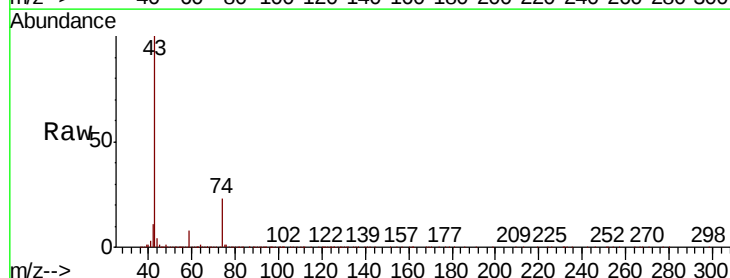
Acq: 13 Feb 2019 21:24

Tgt Ion: 43 Resp: 334817

Ion Ratio Lower Upper

43 100

74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

200000

150000

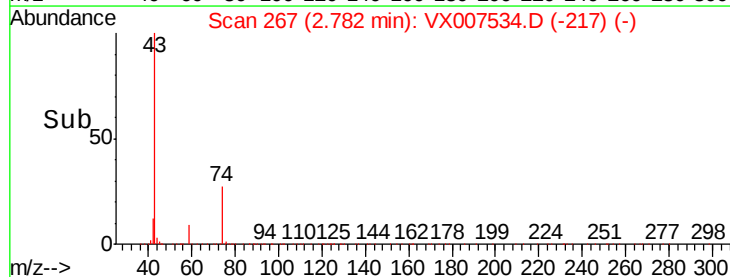
100000

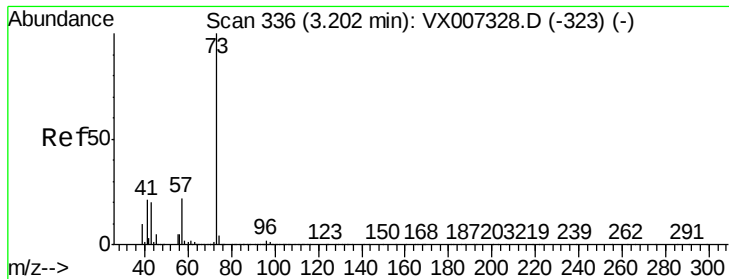
50000

0

2.70 2.75 2.80 2.85

Time-->





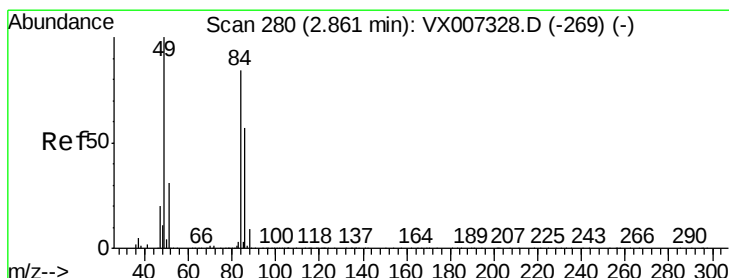
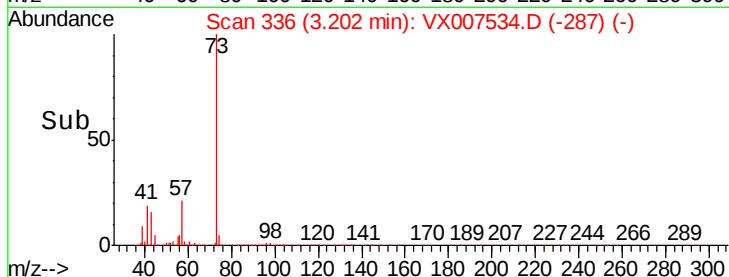
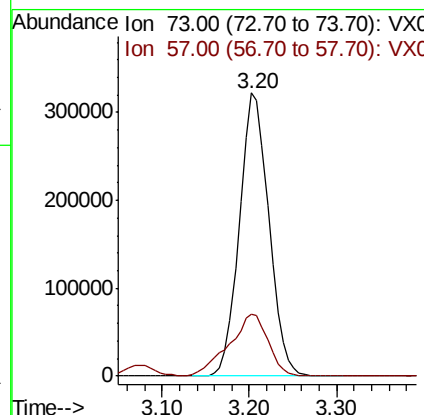
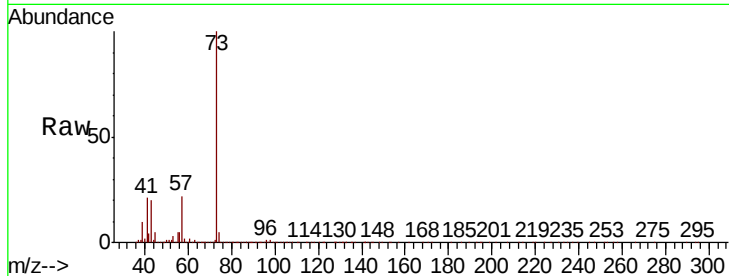
#19
Methvl tert-butvl Ether
Concen: 54.067 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.8	26.8

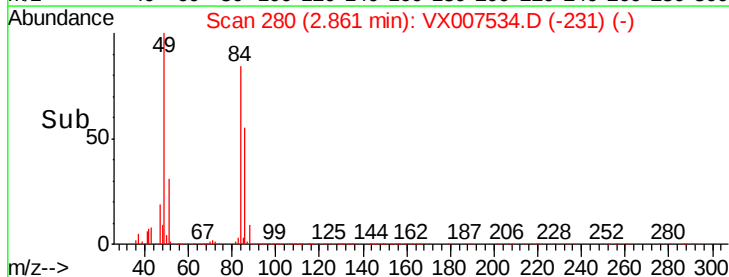
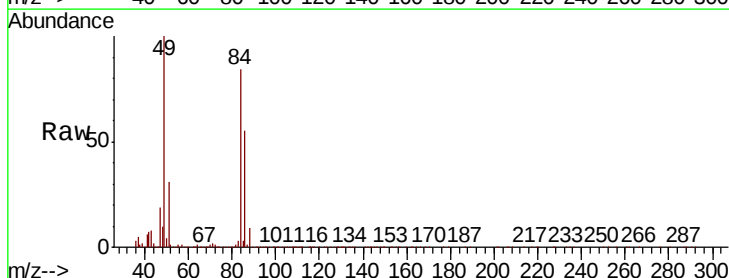
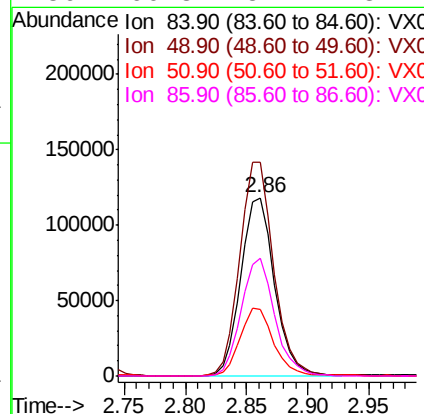
Manual Integrations
APPROVED

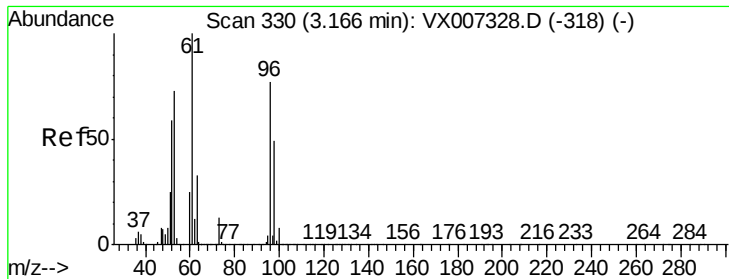
MMDadoda
2/14/2019 10:57:31 AM



#20
Methylene Chloride
Concen: 50.573 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.6	94.8	142.2
51	37.4	29.8	44.8
86	66.3	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 45.722 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

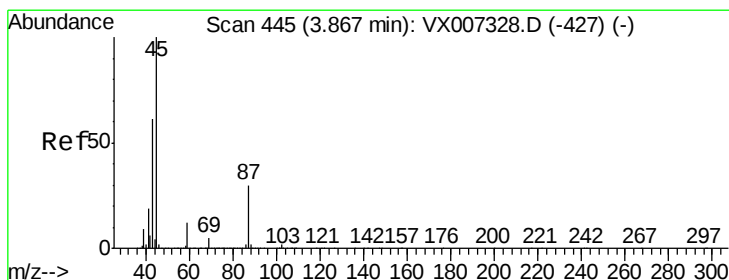
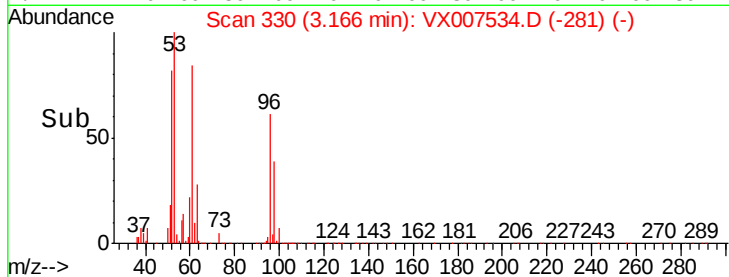
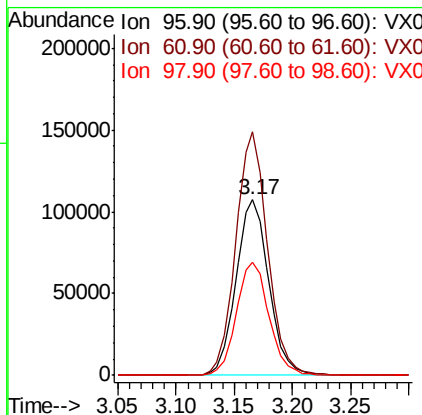
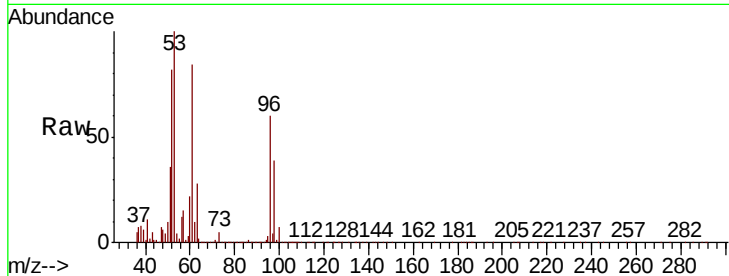
ClientSampleId :

MW-2-20190208MSD

Tot Ion:	96	Resp:	210161
Ion Ratio	Lower	Upper	
96	100		
61	138.8	104.6	156.8
98	64.5	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#22

Diisopropyl ether

Concen: 51.499 ug/l

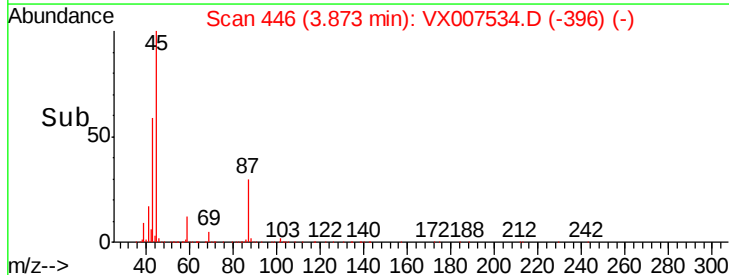
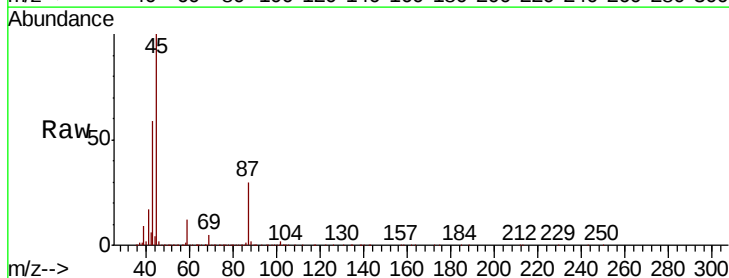
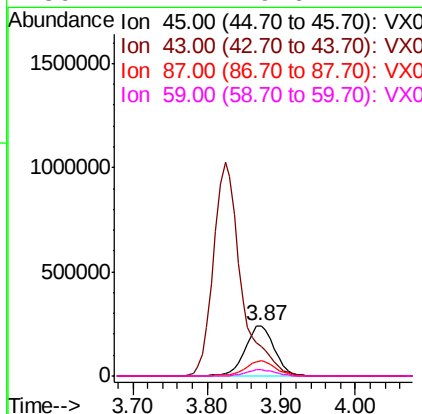
RT: 3.87 min Scan# 446

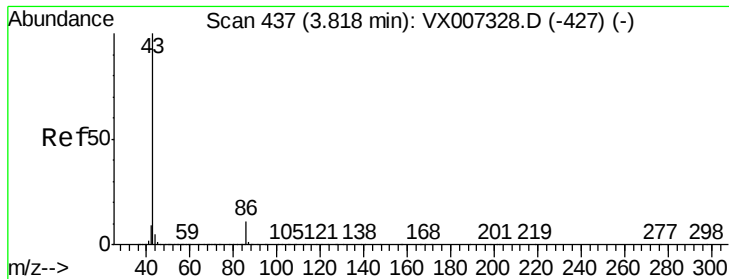
Delta R.T. 0.01 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Tgt Ion:	45	Resp:	666009
Ion Ratio	Lower	Upper	
45	100		
43	58.3	48.9	73.3
87	30.4	23.9	35.9
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 246.300 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion: 43 Resp: 2643202

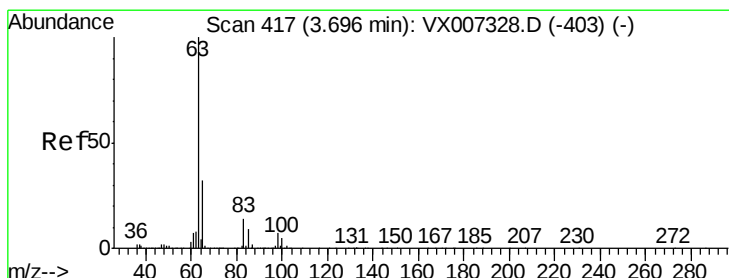
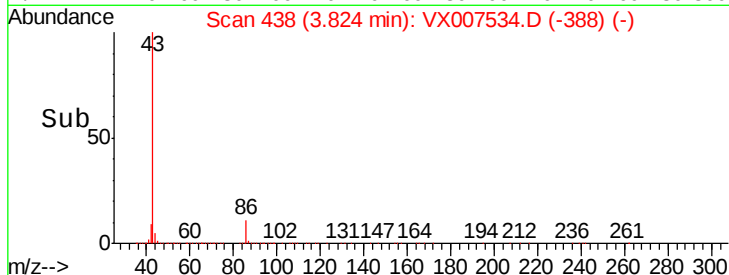
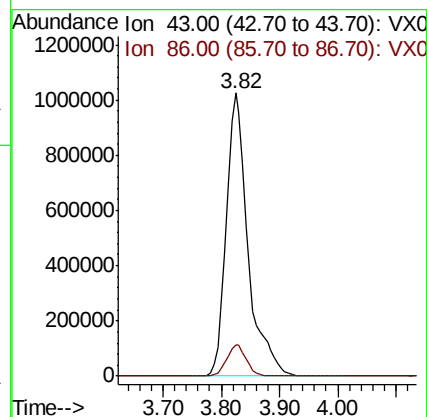
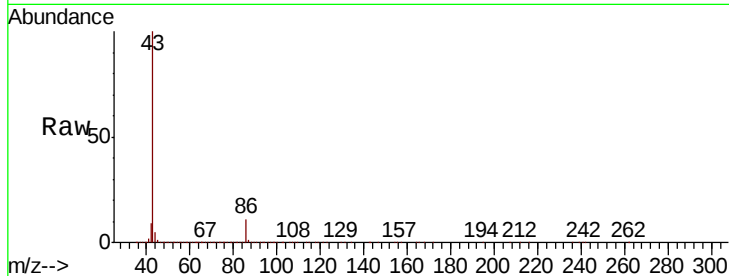
Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#24

1,1-Dichloroethane

Concen: 50.152 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

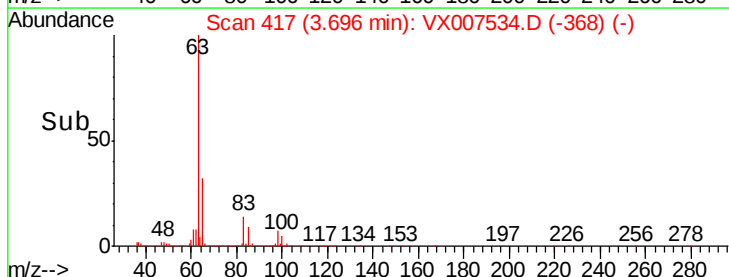
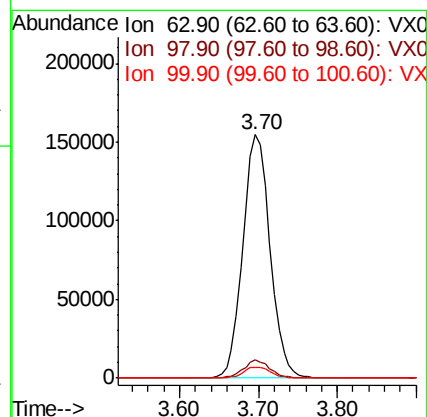
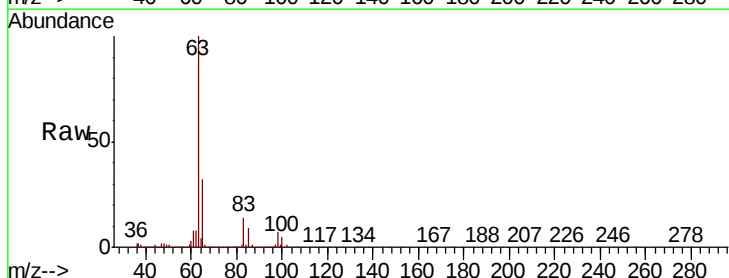
Tgt Ion: 63 Resp: 372471

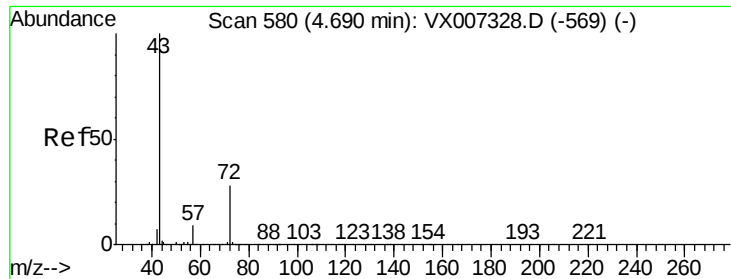
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 272.480 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion: 43 Resp: 852043

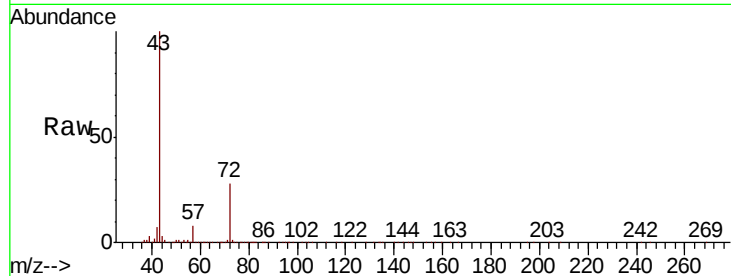
Ion Ratio Lower Upper

43 100

72 28.2 22.2 33.2

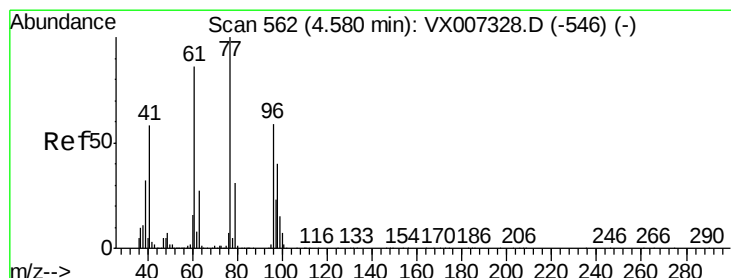
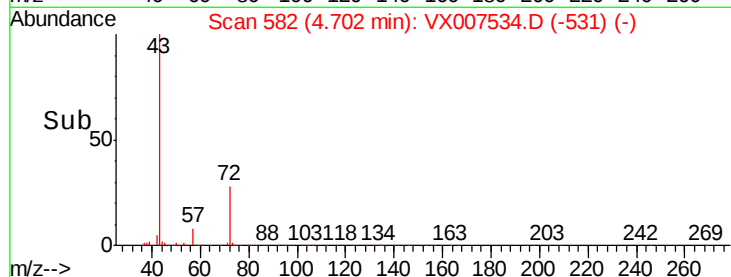
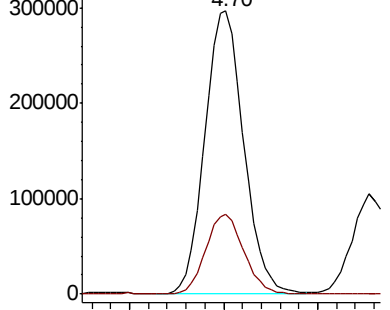
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 42.551 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007534.D

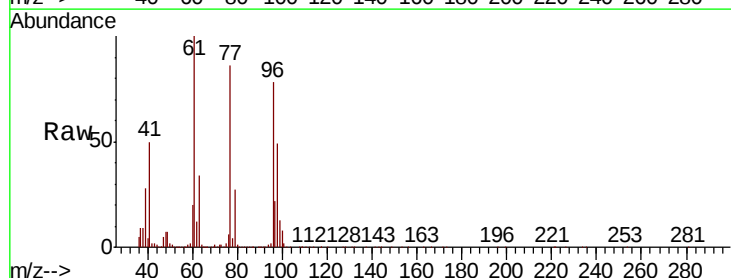
Acq: 13 Feb 2019 21:24

Tgt Ion: 77 Resp: 240667

Ion Ratio Lower Upper

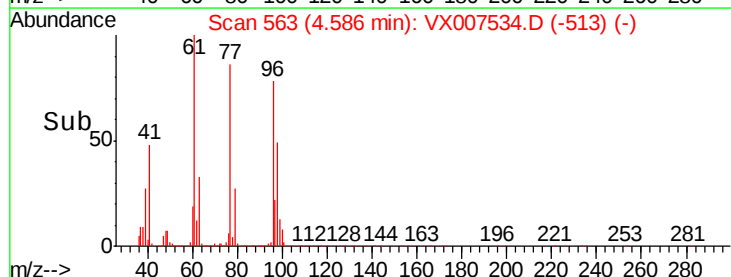
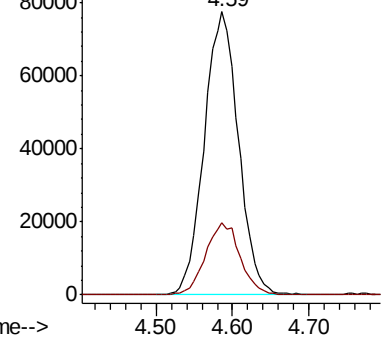
77 100

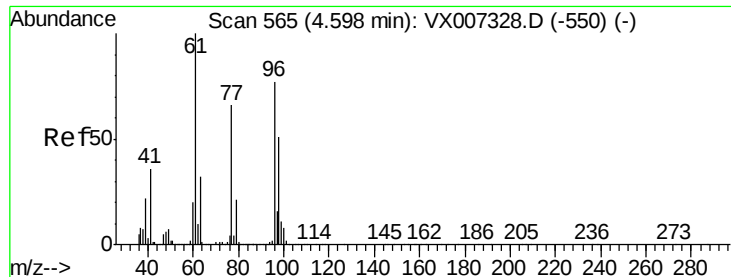
97 25.5 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

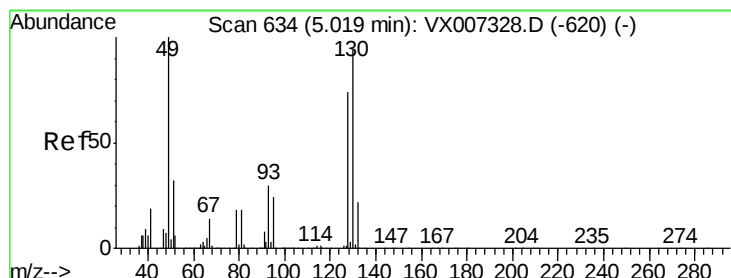
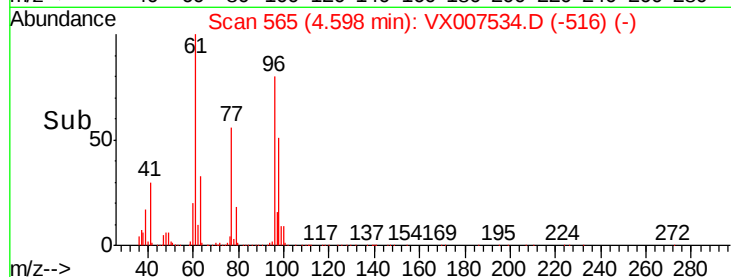
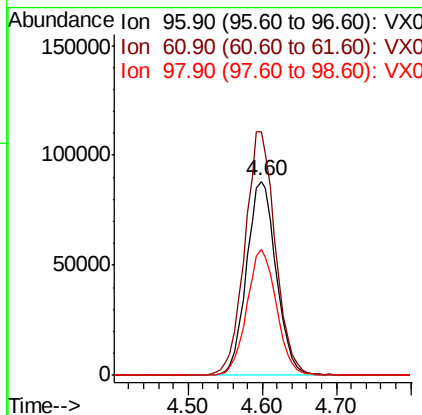
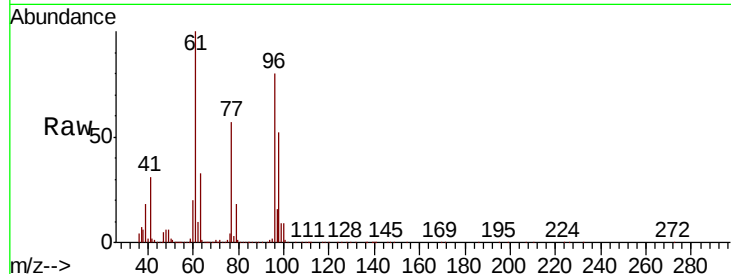
cis-1,2-Dichloroethene
Concen: 48.992 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	245965		
61	128.9	0.0	265.6	
98	65.1	0.0	131.6	

Manual Integrations
APPROVED

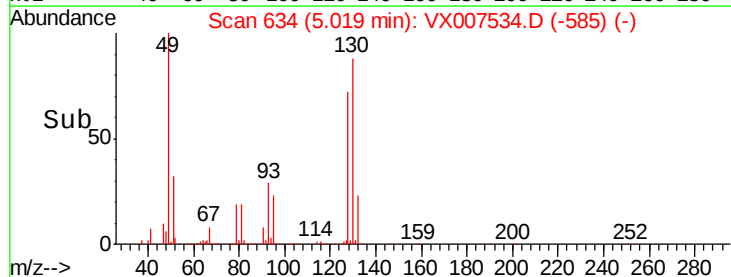
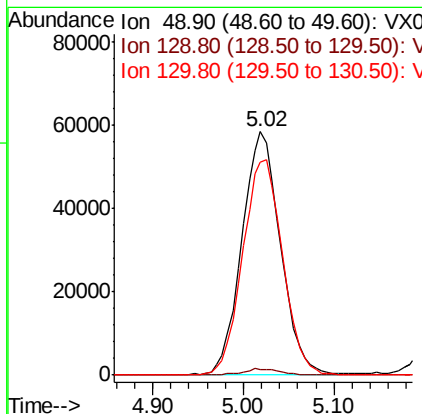
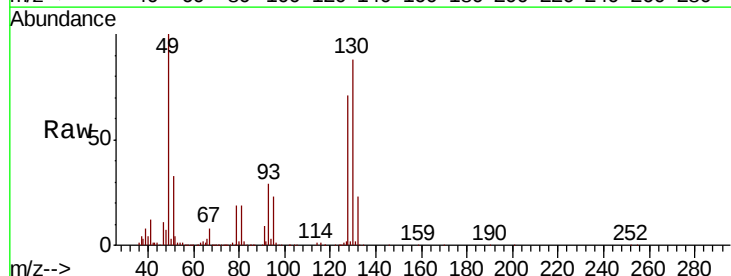
MMDadoda
2/14/2019 10:57:31 AM



#28

Bromochloromethane
Concen: 50.157 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	171301		
129	2.6	0.0	5.6	
130	92.2	75.6	113.4	





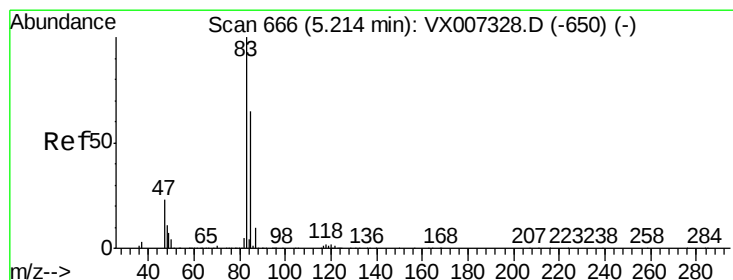
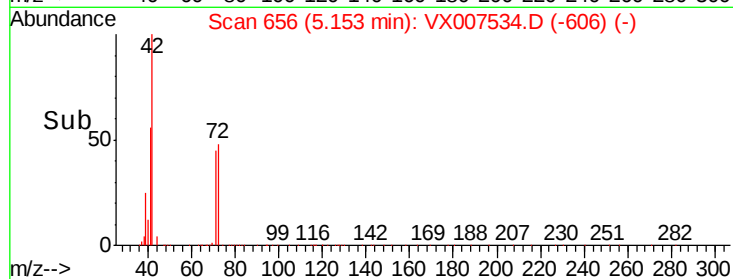
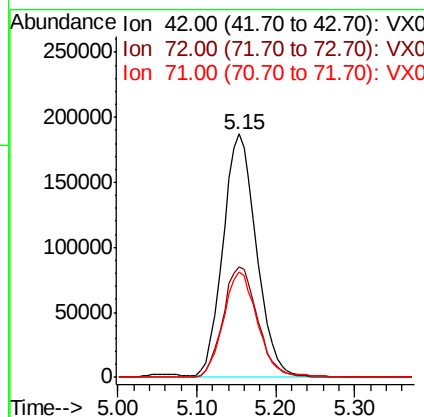
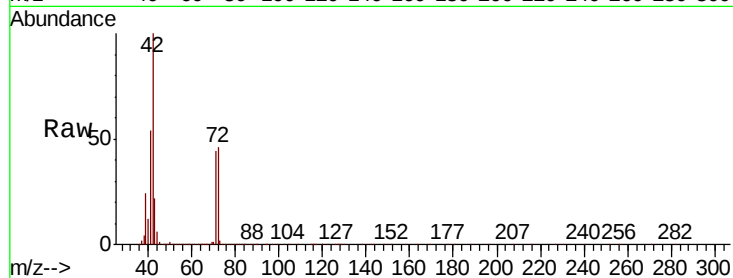
#29
Tetrahydrofuran
Concen: 280.839 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.6	56.4
71	44.7	34.6	51.8

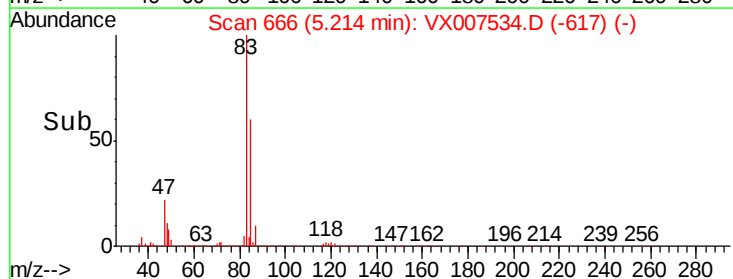
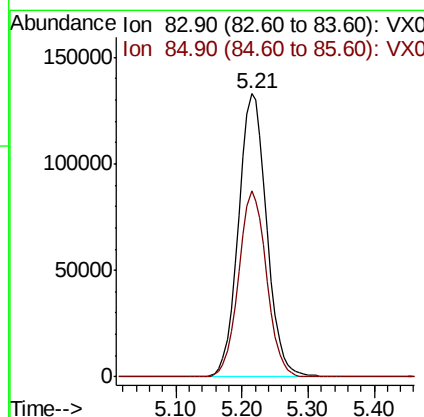
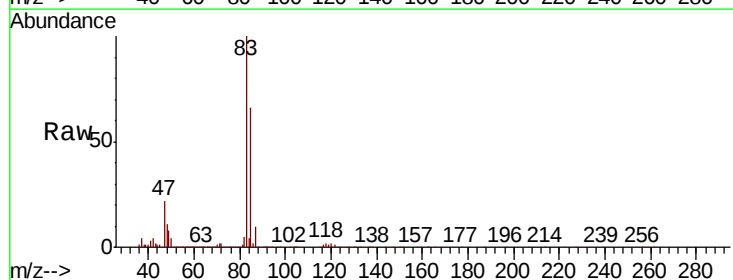
Manual Integrations
APPROVED

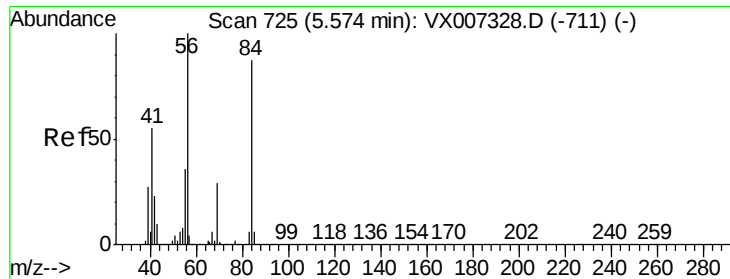
MMDadoda
2/14/2019 10:57:31 AM



#30
Chloroform
Concen: 50.811 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.6	77.4





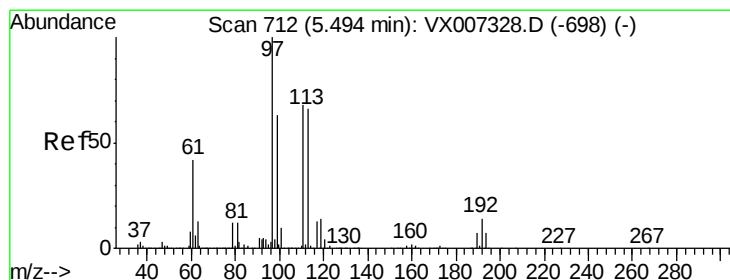
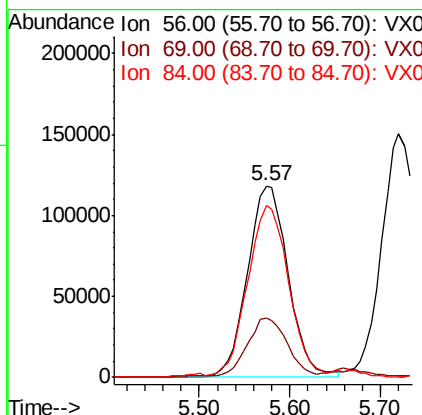
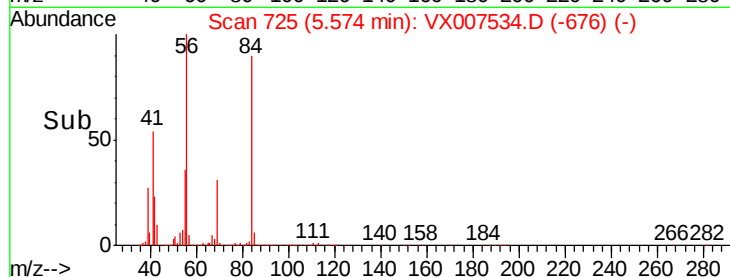
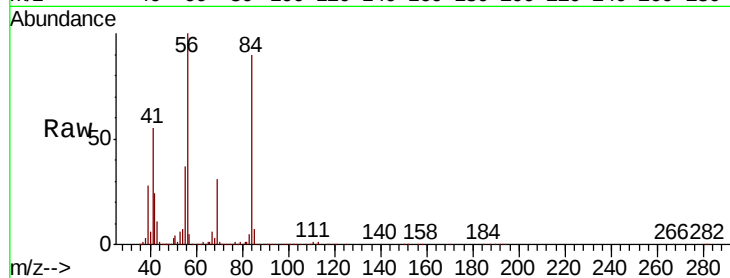
#31
Cyclohexane
Concen: 54.863 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.0	34.6
84	88.2	69.8	104.6

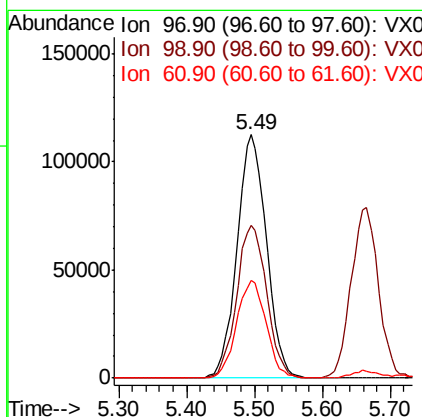
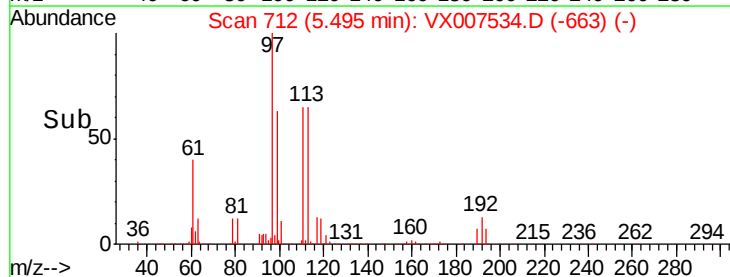
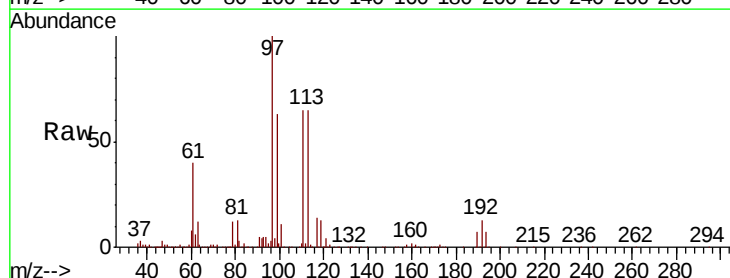
Manual Integrations
APPROVED

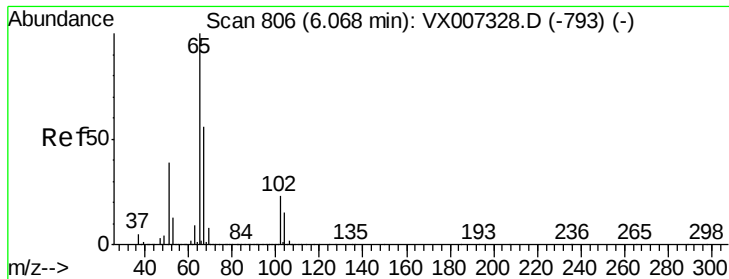
MMDadoda
2/14/2019 10:57:31 AM



#32
1,1,1-Trichloroethane
Concen: 51.705 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.2	78.2
61	40.2	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 52.265 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Tot Ion: 65 Resp: 250706

Ion Ratio Lower Upper

65 100

67 52.9 0.0 108.8

Instrument :

MSVOA_X

ClientSampleId :

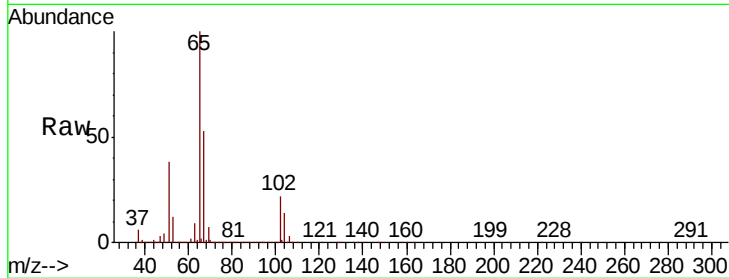
MW-2-20190208MSD

Manual Integrations

APPROVED

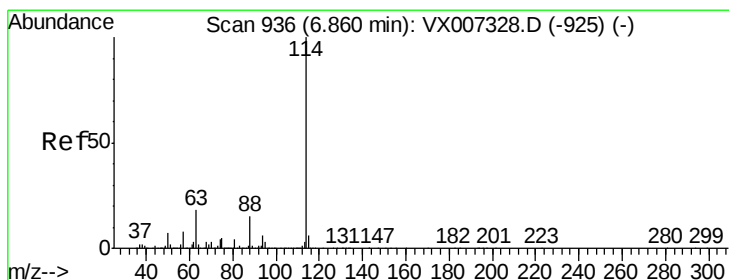
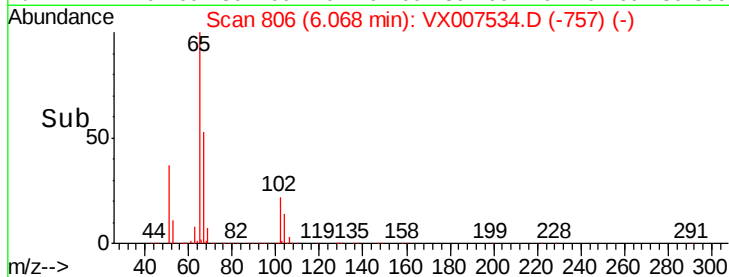
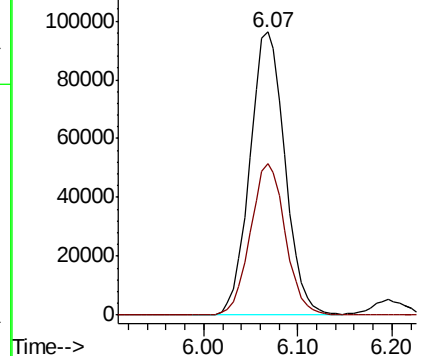
MMDadoda

2/14/2019 10:57:31 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

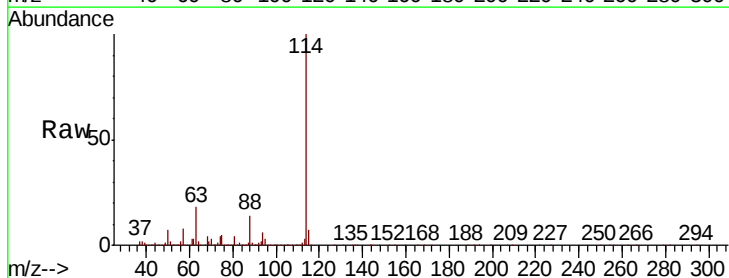
Tgt Ion: 114 Resp: 685567

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

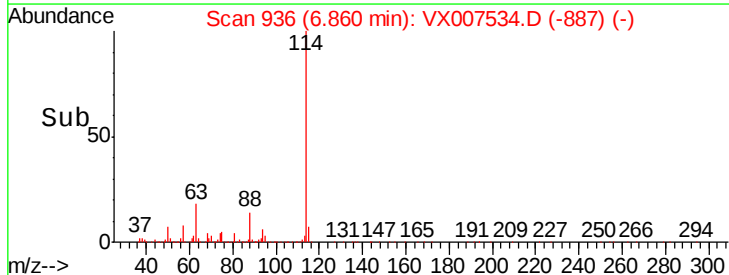
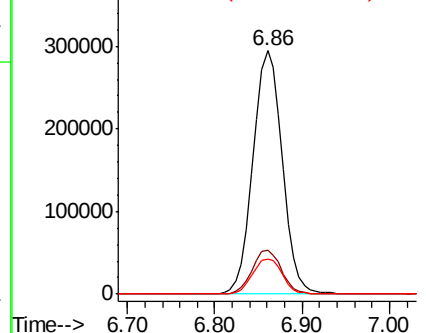
88 14.2 0.0 29.6

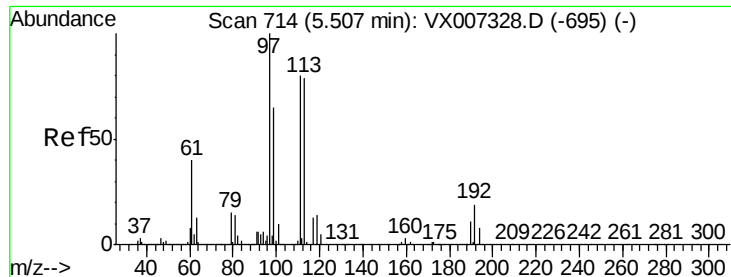


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





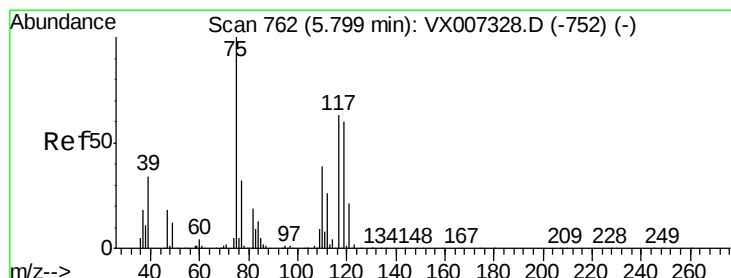
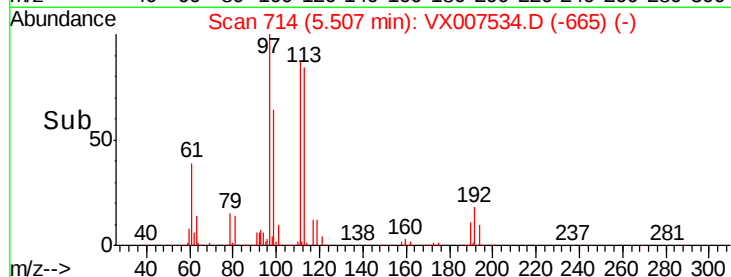
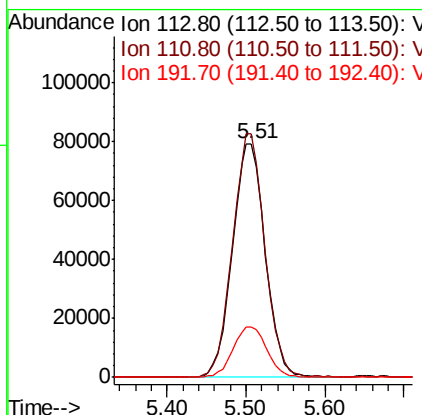
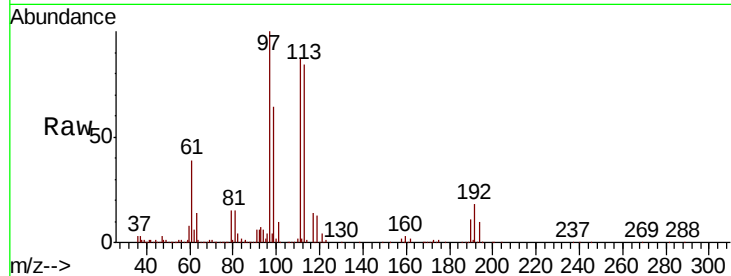
#35
 Dibromofluoromethane
 Concen: 51.266 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	228683		
111	102.4	81.8	122.8	
192	22.4	18.5	27.7	

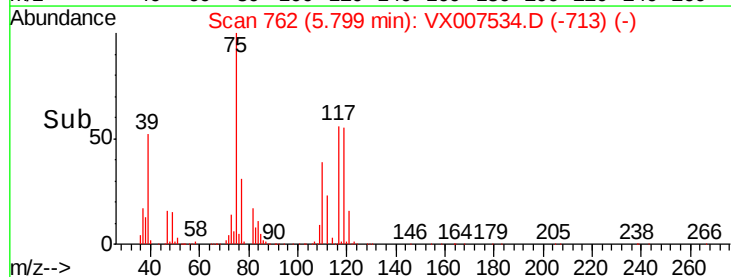
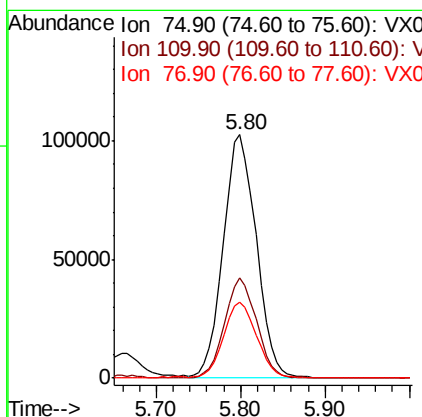
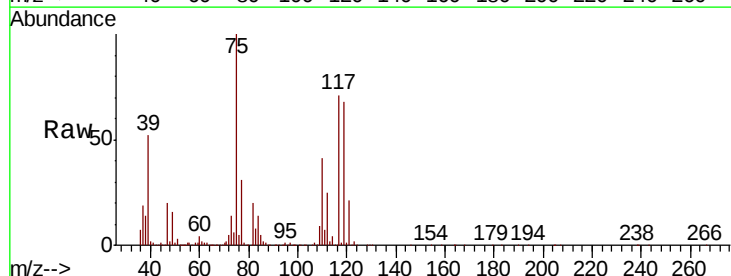
Manual Integrations
 APPROVED

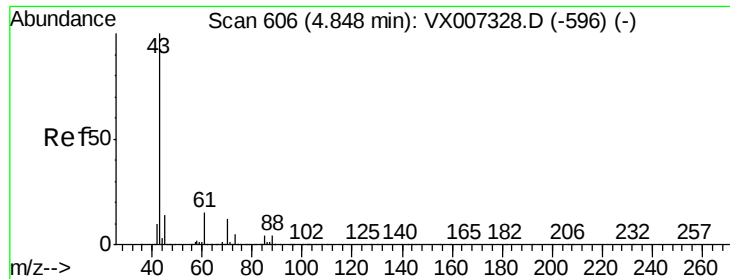
MMDadoda
 2/14/2019 10:57:31 AM



#36
 1,1-Dichloropropene
 Concen: 44.480 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	273603		
110	40.2	20.0	59.9	
77	31.2	24.7	37.1	





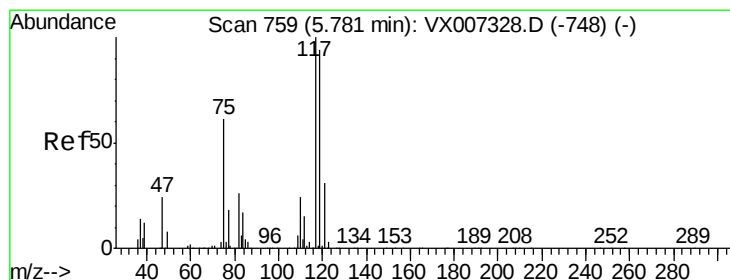
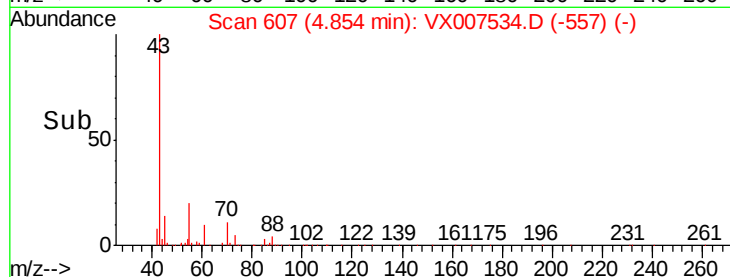
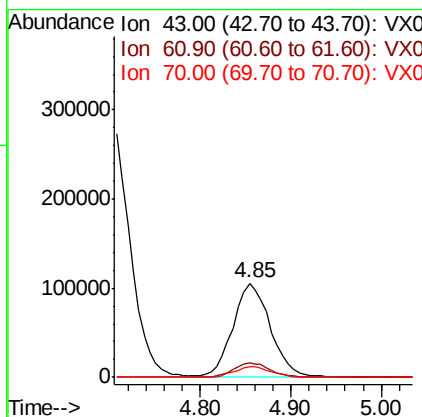
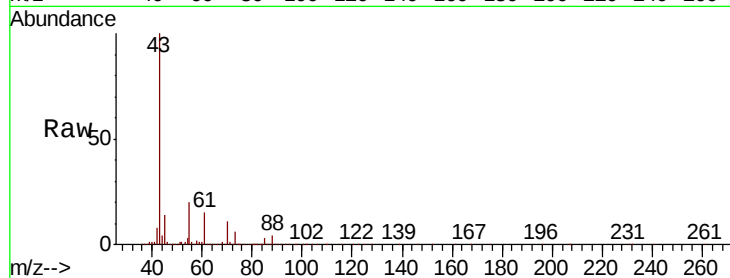
#37
Ethyl Acetate
Concen: 48.073 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	10.9	8.6	13.0

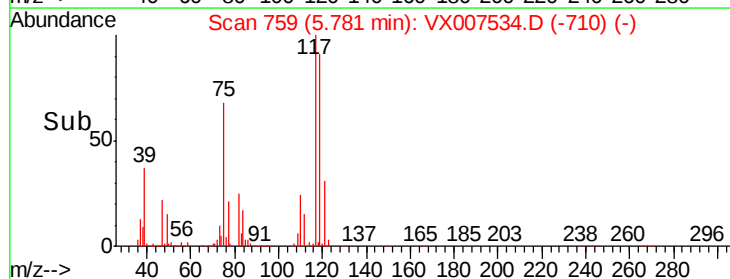
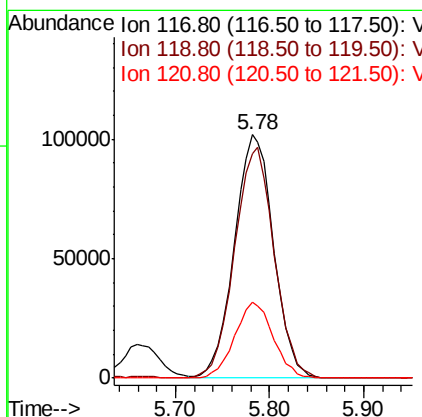
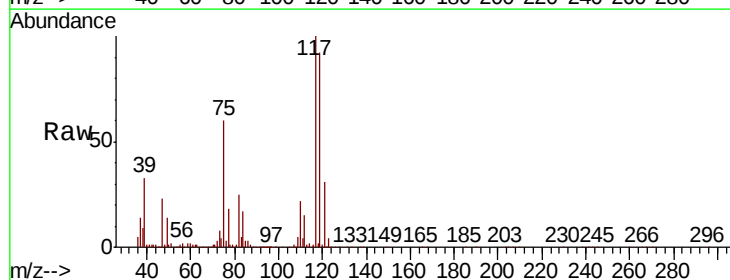
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#38
Carbon Tetrachloride
Concen: 49.382 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.3	112.9
121	31.1	25.0	37.4





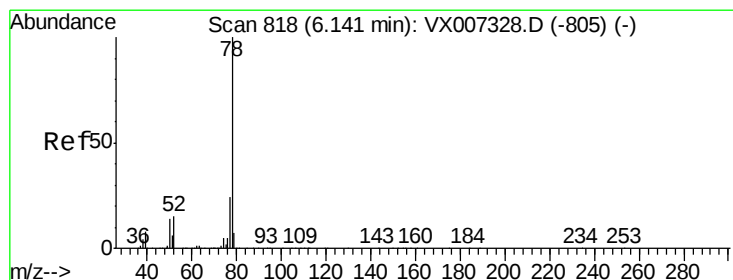
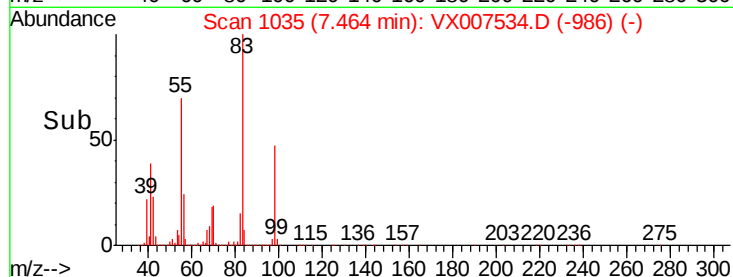
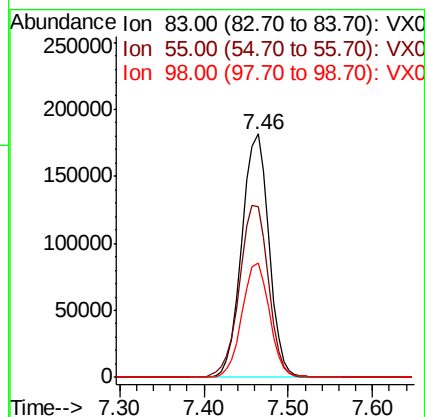
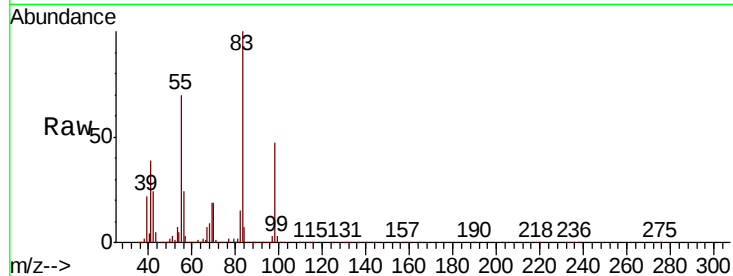
#39
Methvlcvclohexane
Concen: 53.001 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.0	56.2	84.2
98	47.1	36.8	55.2

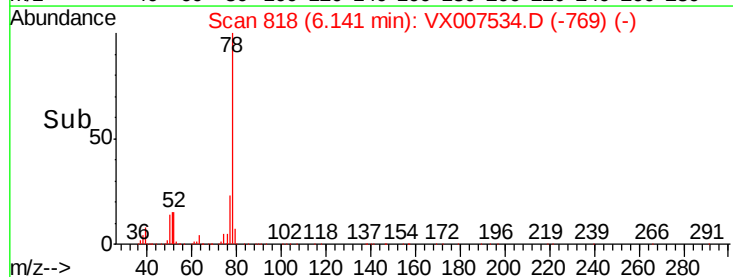
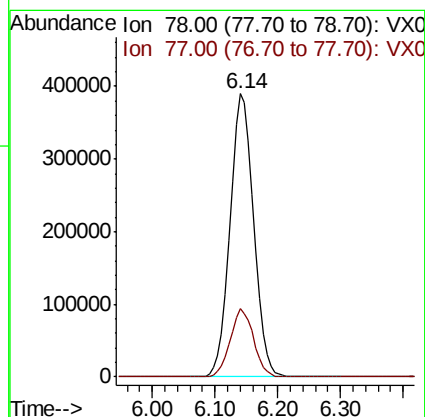
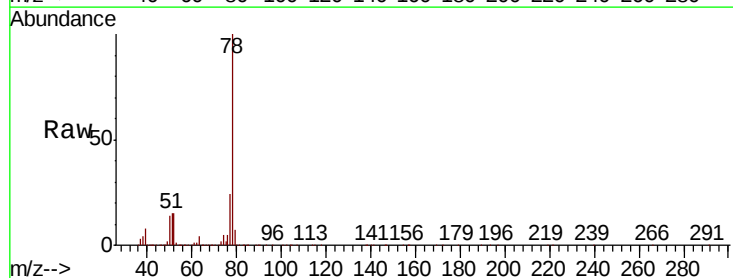
Manual Integrations
APPROVED

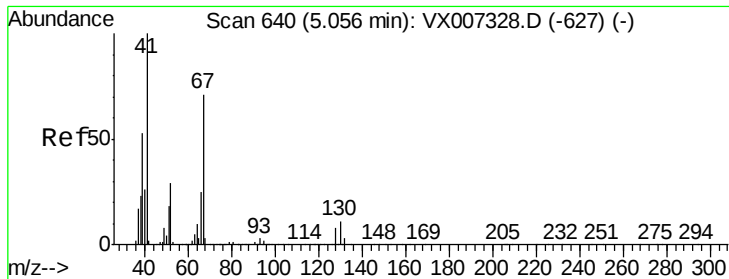
MMDadoda
2/14/2019 10:57:31 AM



#40
Benzene
Concen: 56.018 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





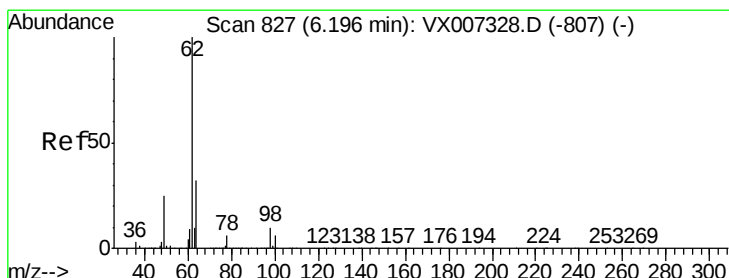
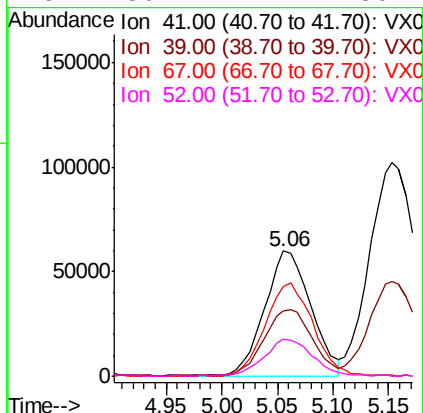
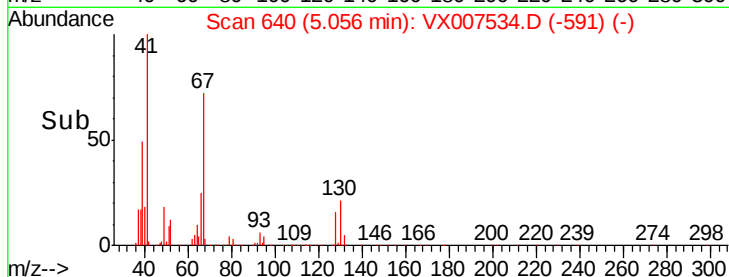
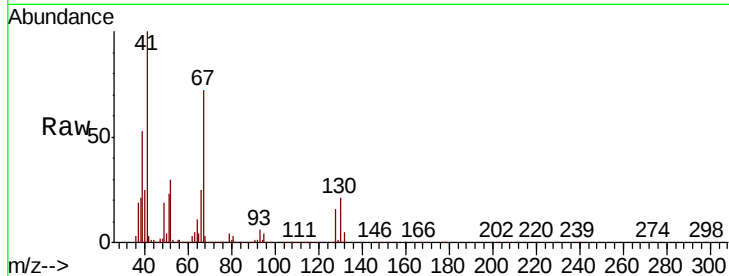
#41
Methacrylonitrile
Concen: 51.942 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.5	66.7
67	76.1	60.4	90.6
52	30.7	24.1	36.1

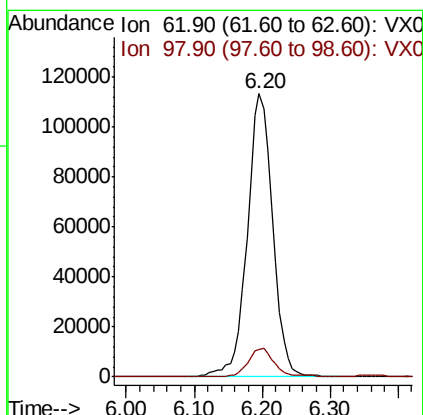
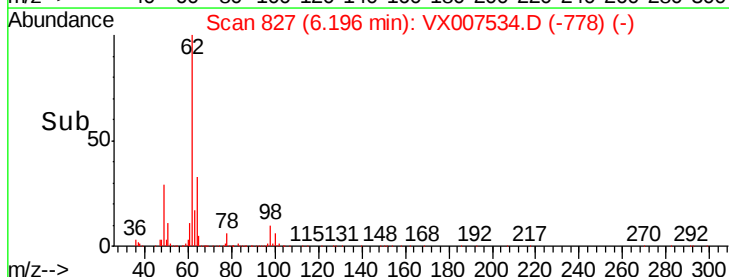
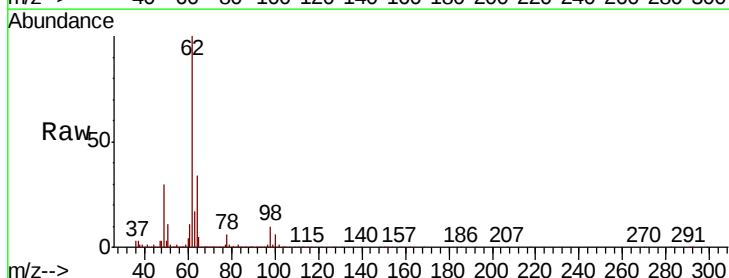
Manual Integrations
APPROVED

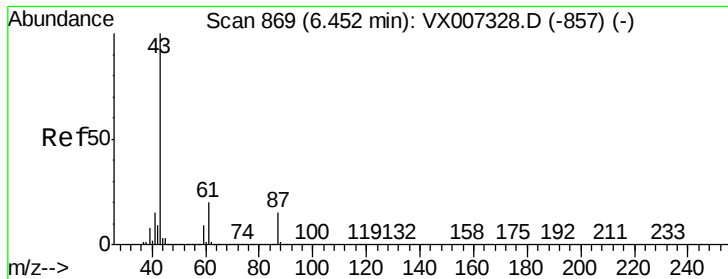
MMDadoda
2/14/2019 10:57:31 AM



#42
1,2-Dichloroethane
Concen: 46.905 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	19.0





#43

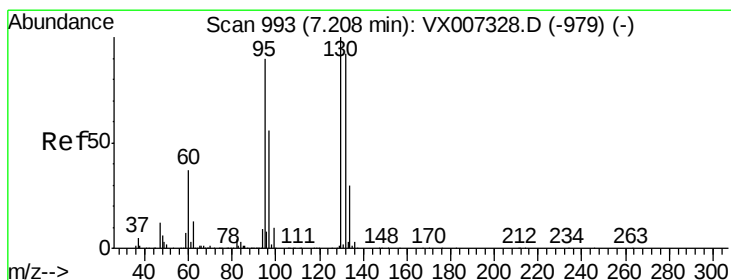
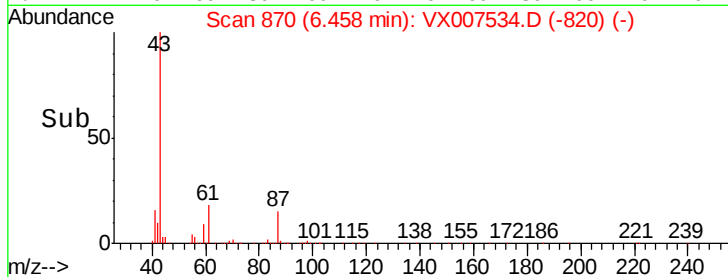
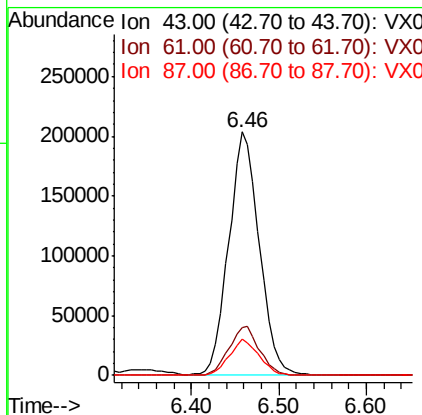
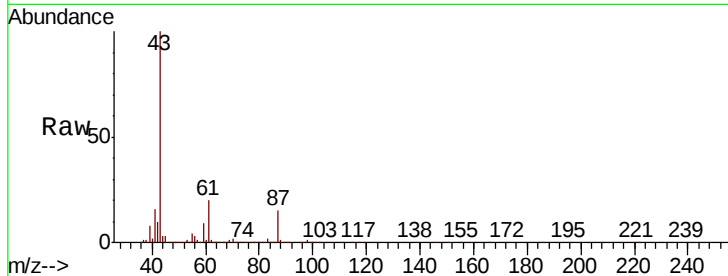
Isopropyl Acetate
 Concen: 51.335 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.1	24.1
87	14.6	11.5	17.3

Manual Integrations
 APPROVED

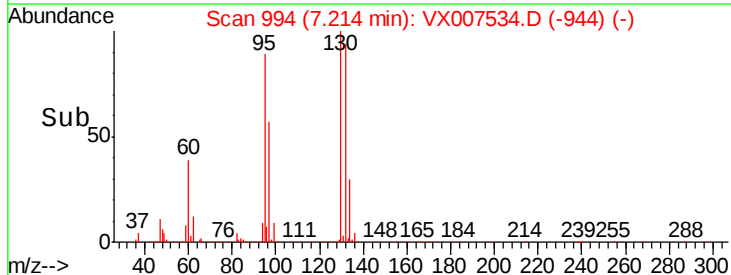
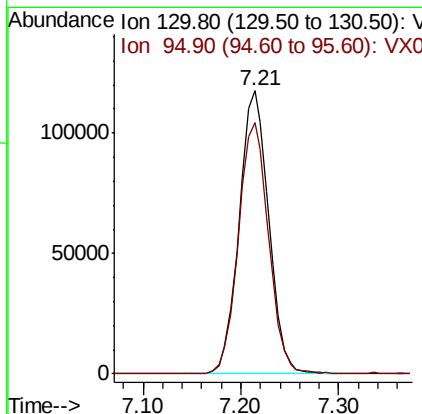
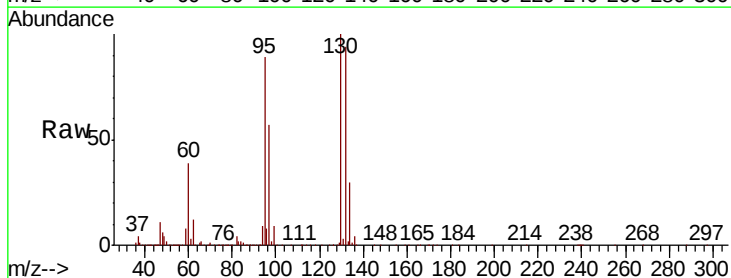
MMDadoda
 2/14/2019 10:57:31 AM

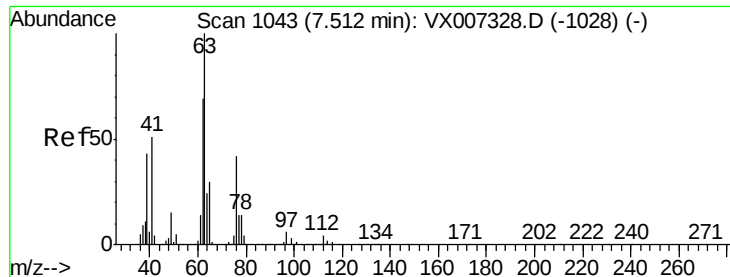


#44

Trichloroethene
 Concen: 45.114 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	180.0





#45

1,2-Dichloropropane

Concen: 48.384 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion: 63 Resp: 219659

Ion Ratio Lower Upper

63 100

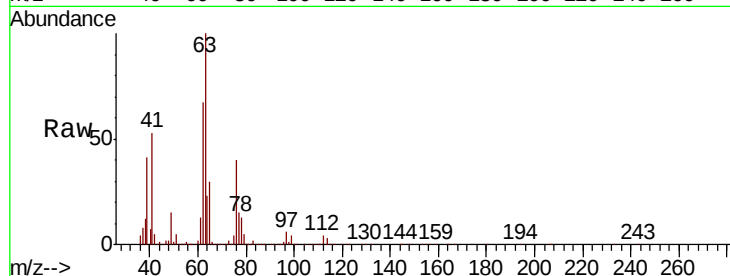
65 30.1 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

2/14/2019 10:57:31 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

120000

100000

80000

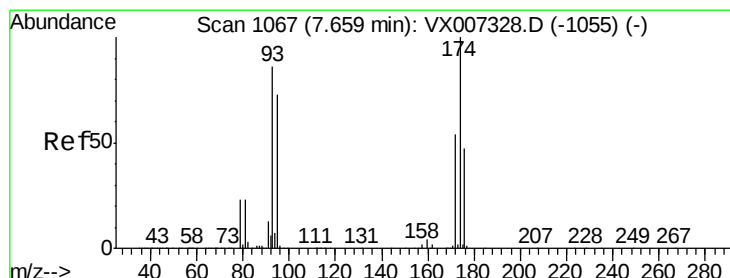
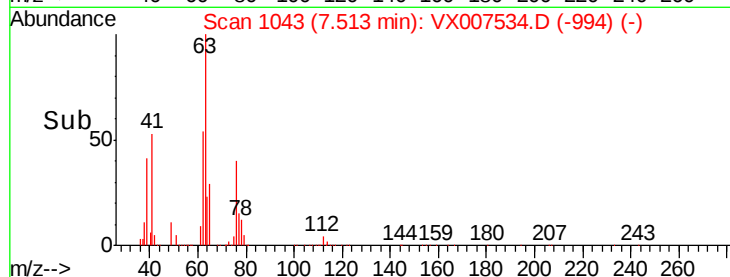
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 46.969 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

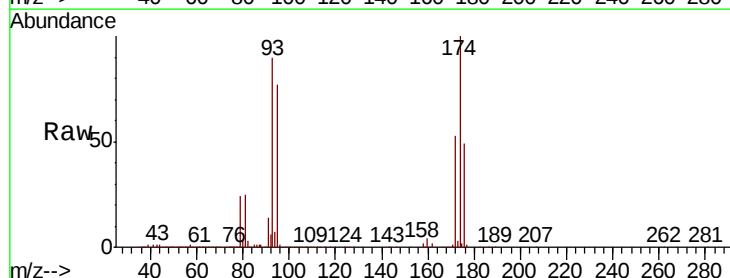
Tgt Ion: 93 Resp: 154979

Ion Ratio Lower Upper

93 100

95 84.8 67.6 101.4

174 117.7 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

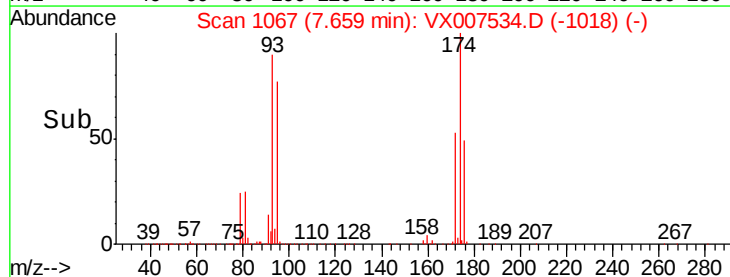
Ion 173.70 (173.40 to 174.40): V

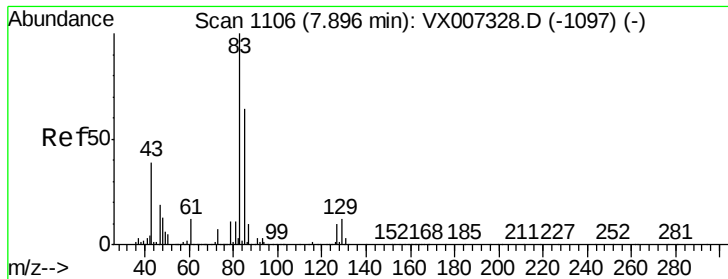
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 49.971 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

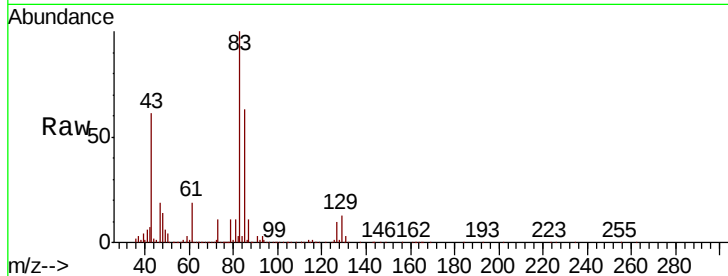
ClientSampleId :

MW-2-20190208MSD

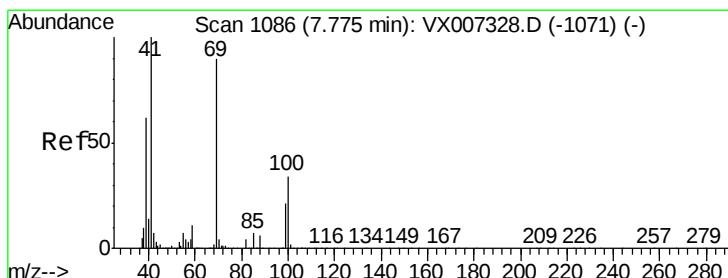
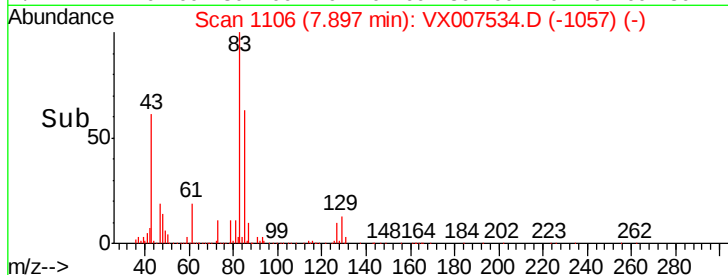
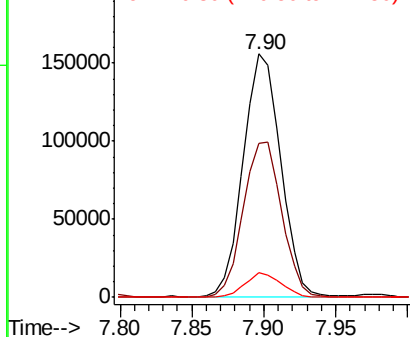
Tot Ion:	83	Resp:	279444
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.0
127	10.0	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



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: 54.400 ug/l

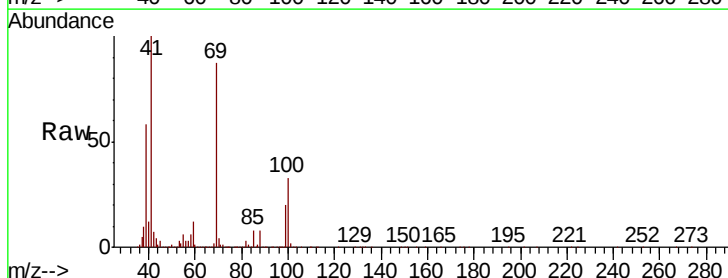
RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

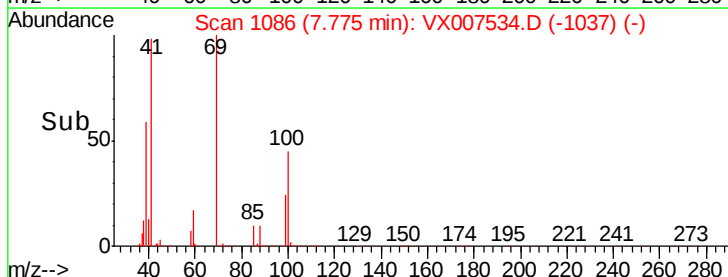
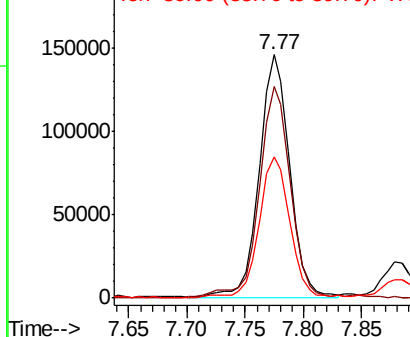
Lab File: VX007534.D

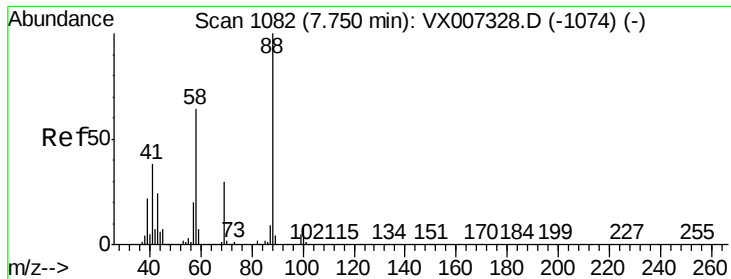
Acq: 13 Feb 2019 21:24

Tgt Ion:	41	Resp:	261161
Ion	Ratio	Lower	Upper
41	100		
69	90.2	70.2	105.4
39	59.5	47.4	71.0



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





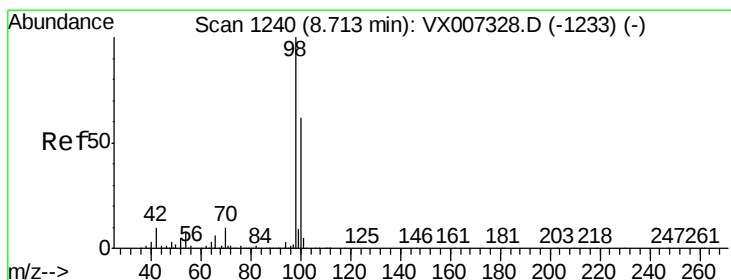
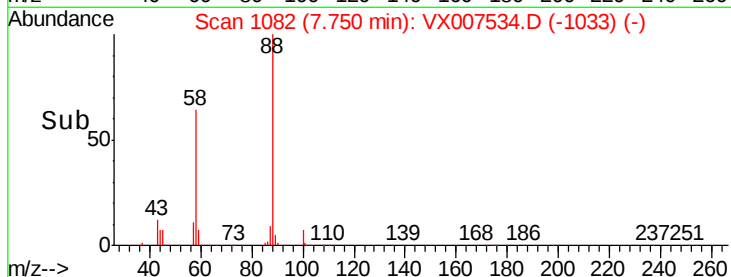
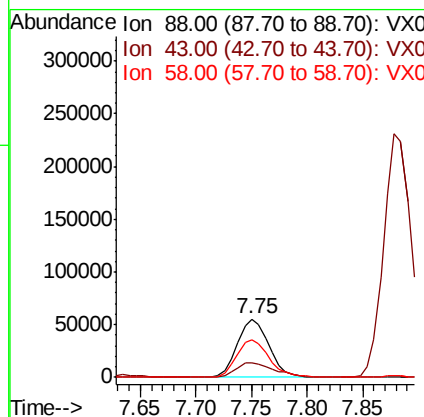
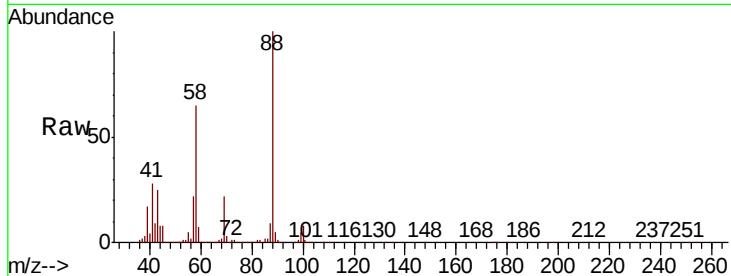
#49
1,4-Dioxane
Concen: 994.475 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.2	36.4
58	66.9	53.0	79.4

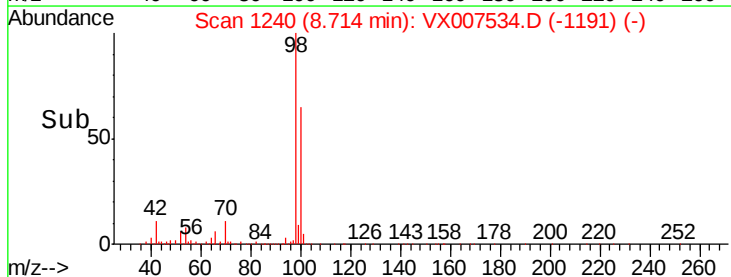
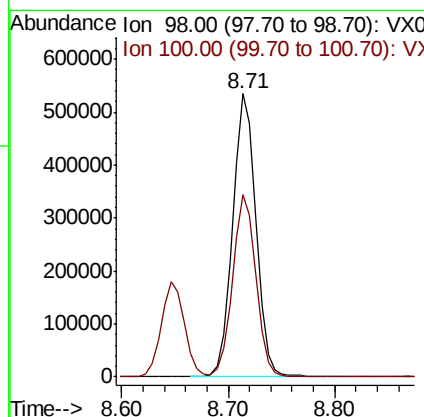
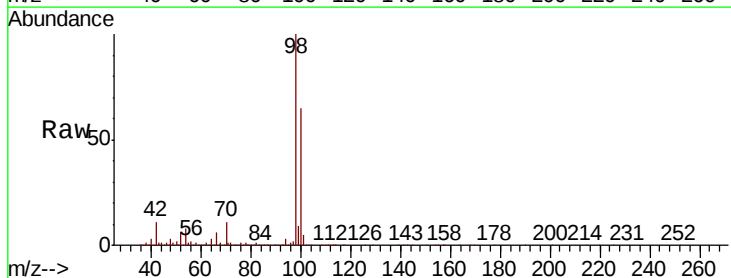
Manual Integrations
APPROVED

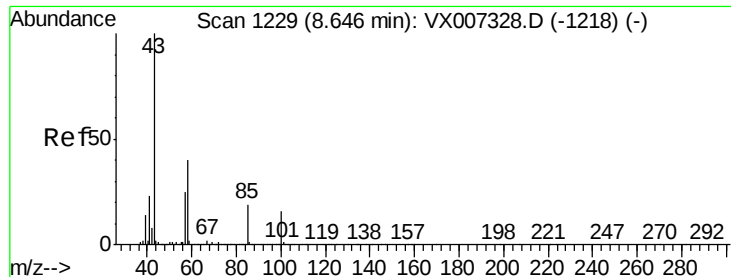
MMDadoda
2/14/2019 10:57:31 AM



#50
Toluene-d8
Concen: 49.564 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 265.288 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion: 43 Resp: 1676143

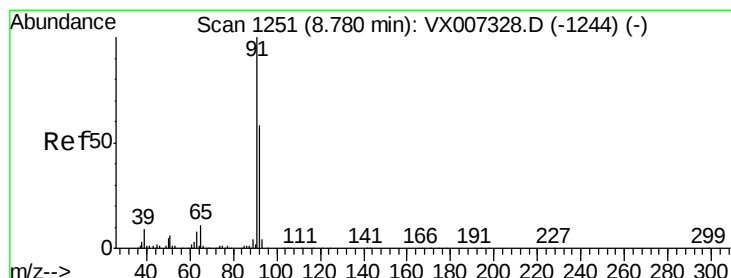
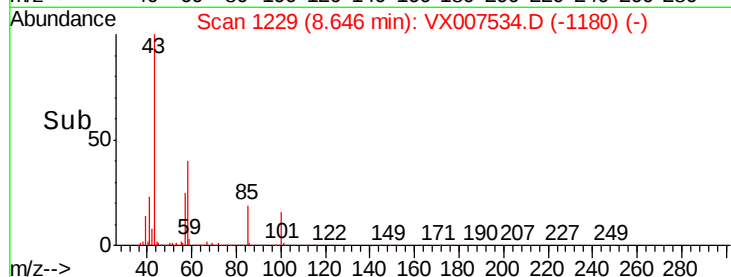
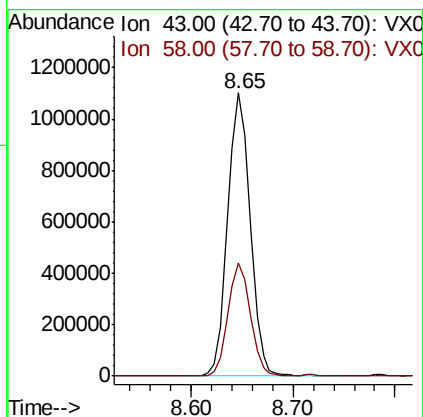
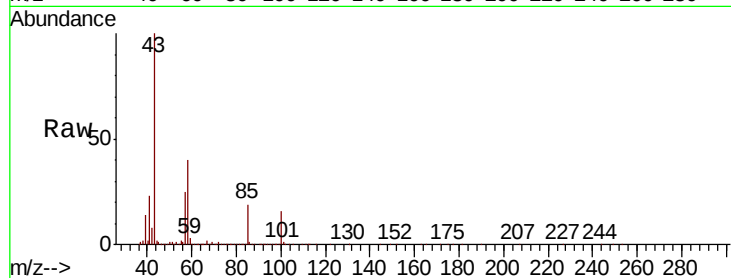
Ion Ratio Lower Upper

43 100

58 39.4 31.2 46.8

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#52

Toluene

Concen: 47.565 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007534.D

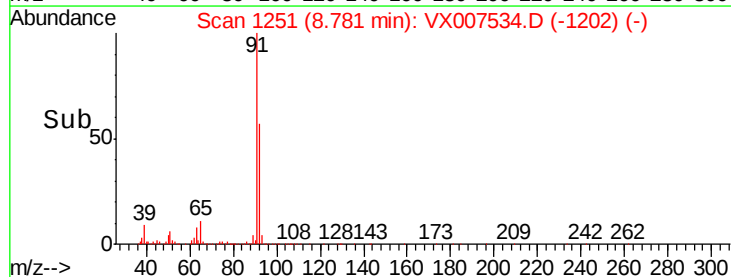
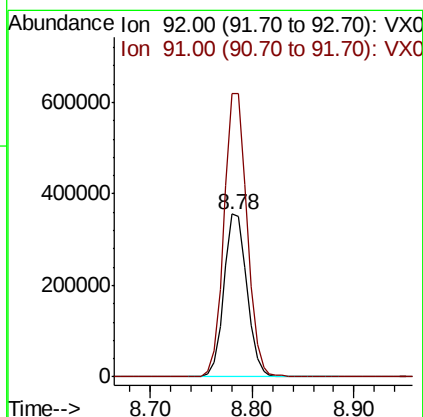
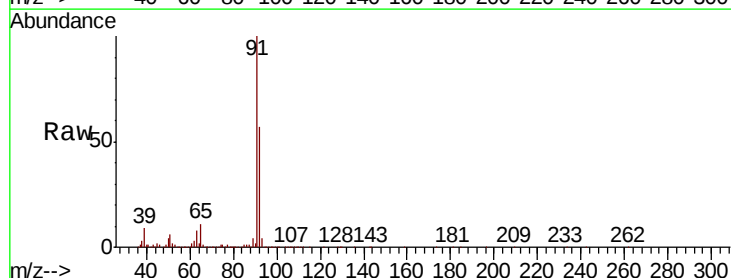
Acq: 13 Feb 2019 21:24

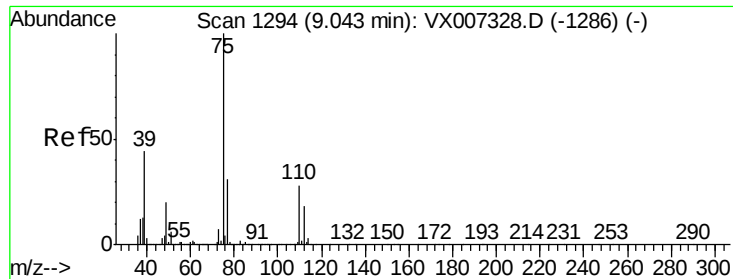
Tgt Ion: 92 Resp: 556061

Ion Ratio Lower Upper

92 100

91 174.9 139.1 208.7





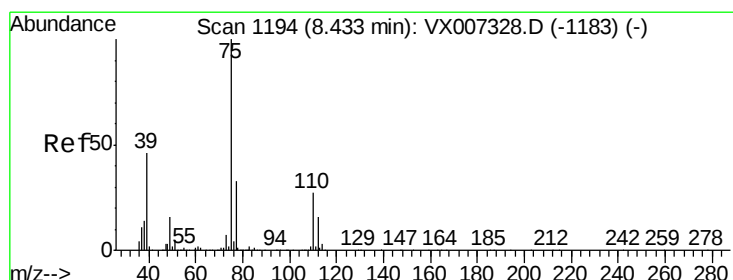
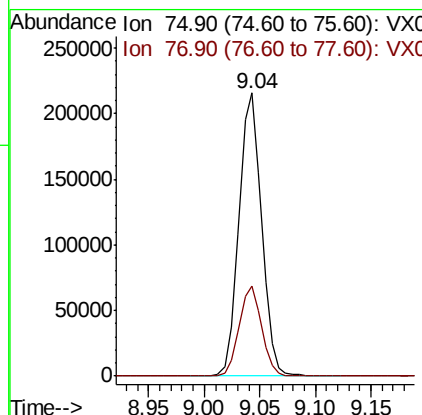
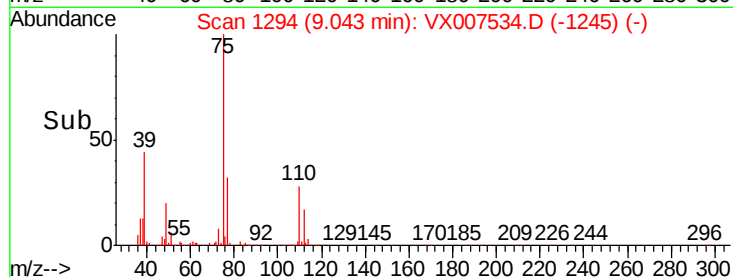
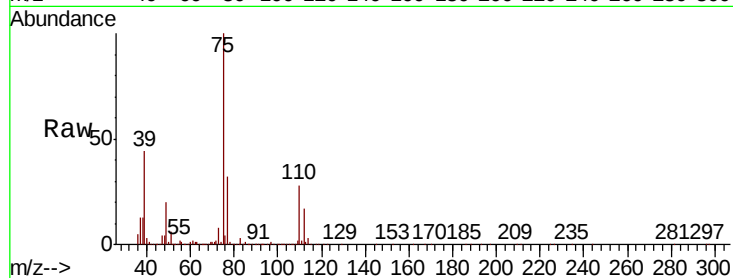
#53
t-1,3-Dichloropropene
Concen: 50.636 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8

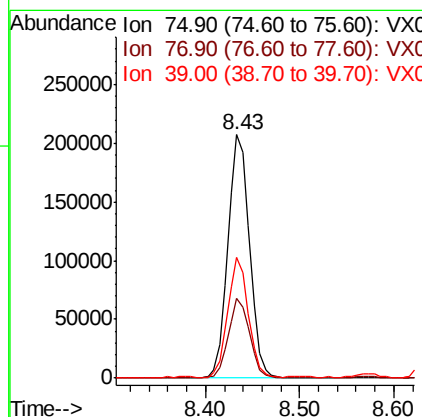
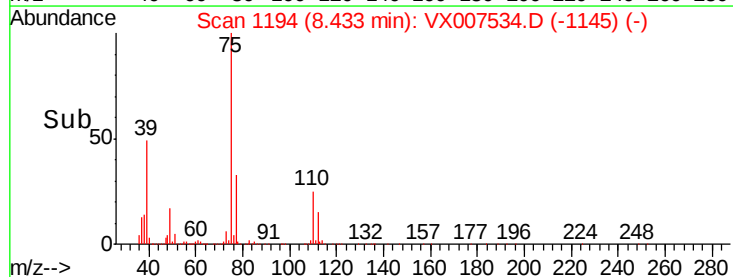
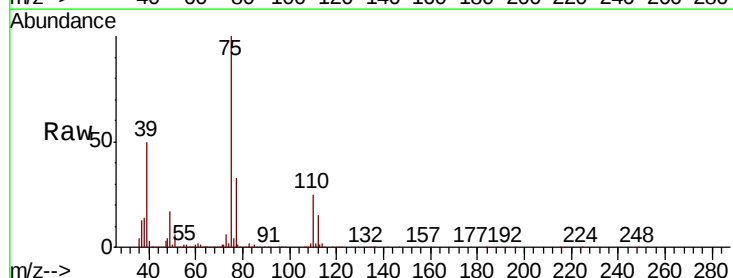
Manual Integrations
APPROVED

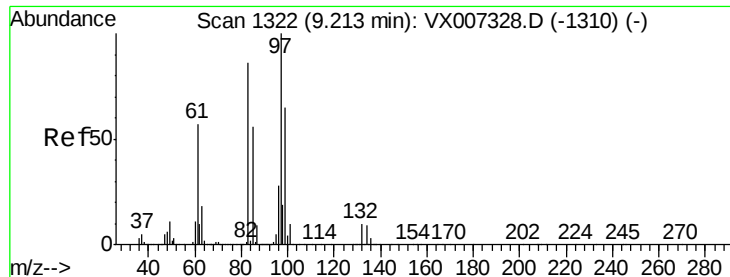
MMDadoda
2/14/2019 10:57:31 AM



#54
cis-1,3-Dichloropropene
Concen: 49.802 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.2	39.4
39	49.2	37.1	55.7





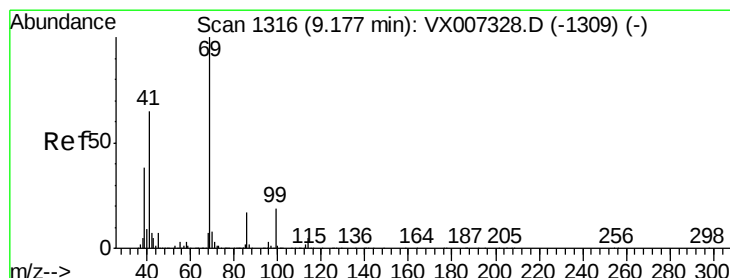
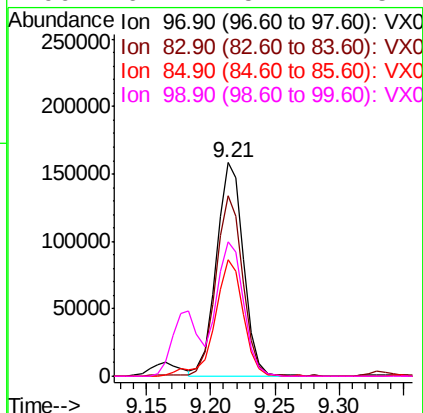
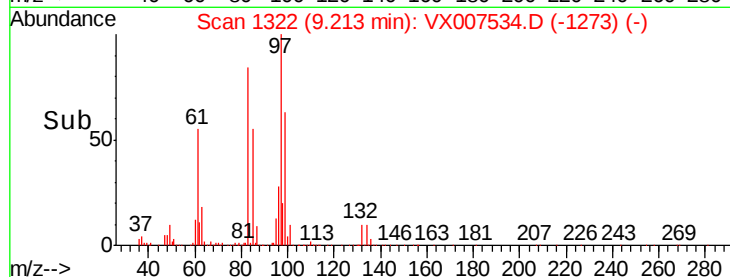
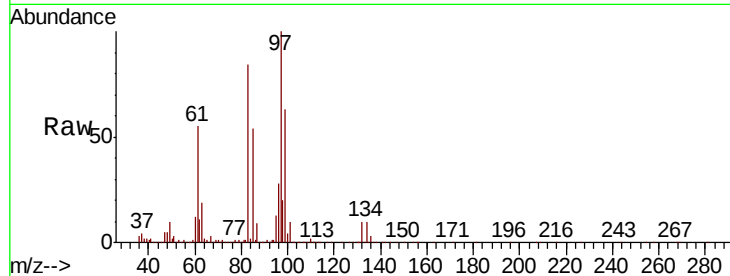
#55
 1,1,2-Trichloroethane
 Concen: 48.318 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		235461		
83	84.3	68.6	102.8		
85	54.4	44.5	66.7		
99	62.7	52.2	78.4		

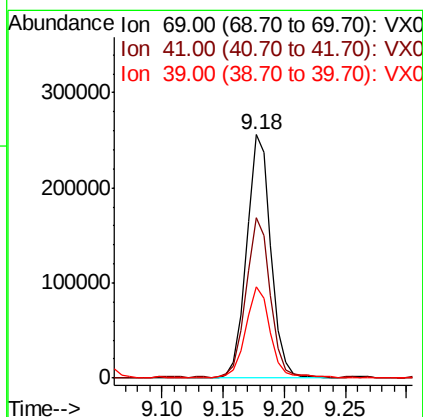
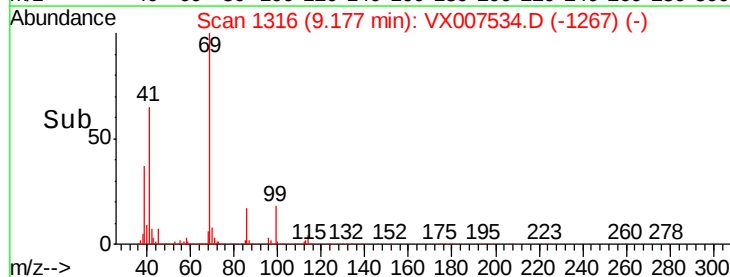
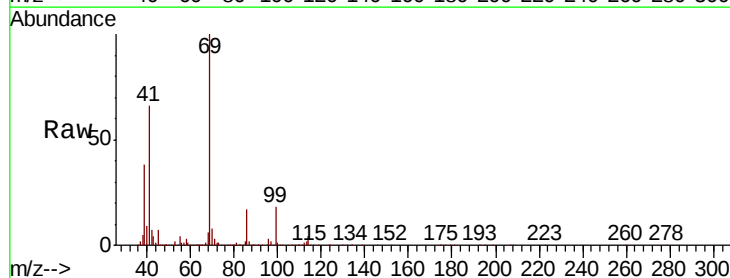
Manual Integrations
 APPROVED

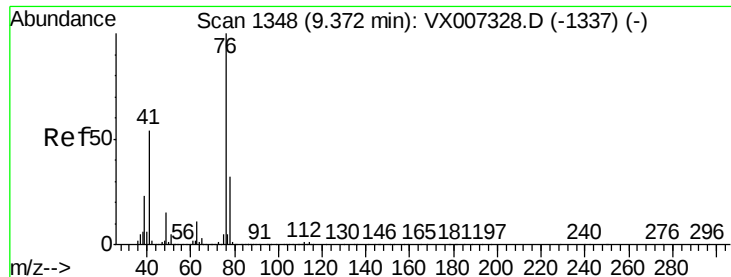
MMDadoda
 2/14/2019 10:57:31 AM



#56
 Ethyl methacrylate
 Concen: 51.951 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		350633		
41	65.8	52.1	78.1		
39	38.7	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 48.144 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion: 76 Resp: 373102

Ion Ratio Lower Upper

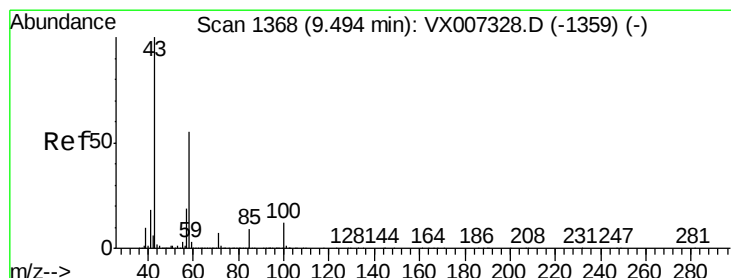
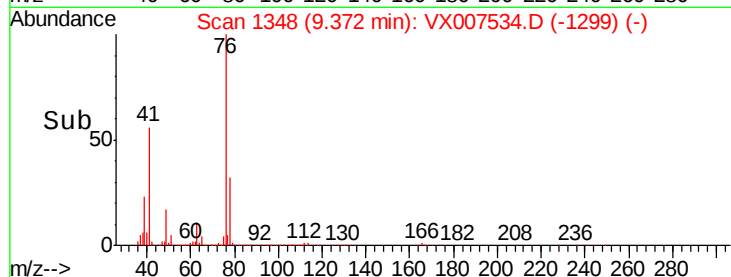
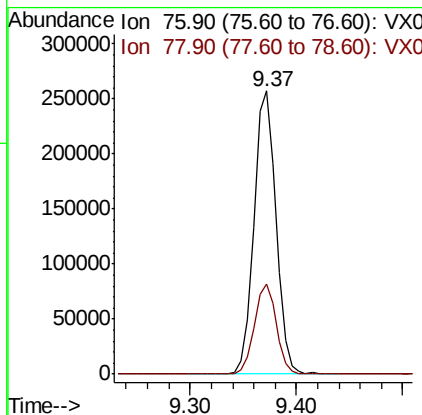
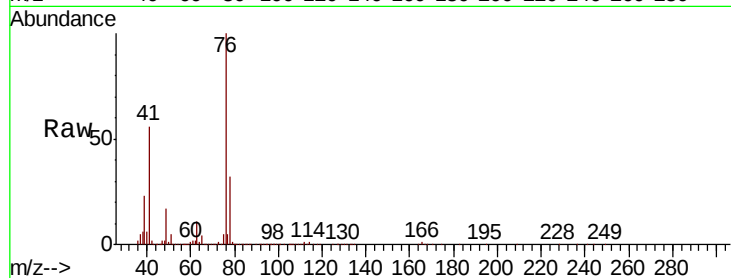
76 100

78 31.9 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

2/14/2019 10:57:31 AM



#59

2-Hexanone

Concen: 260.030 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX007534.D

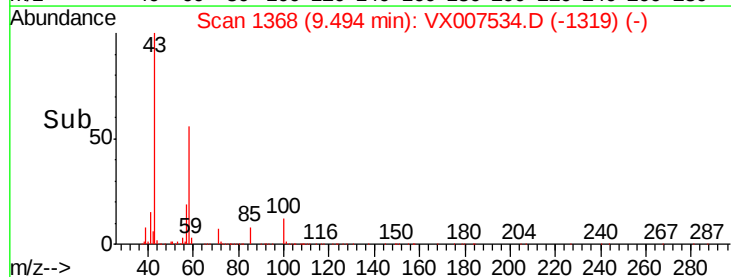
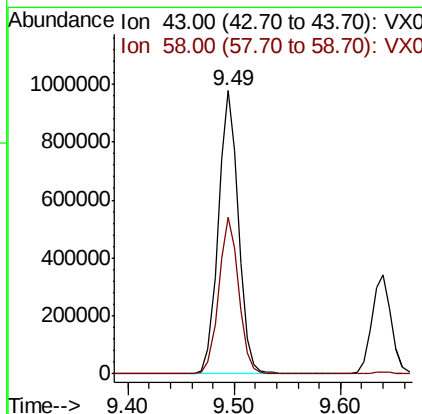
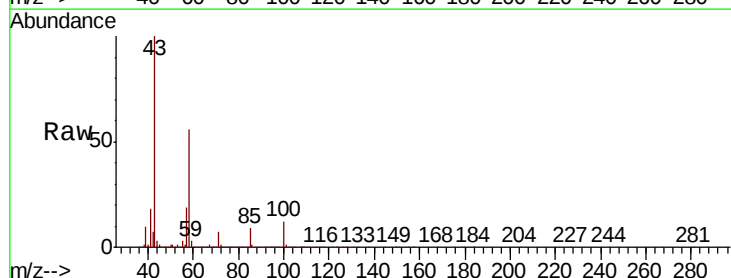
Acq: 13 Feb 2019 21:24

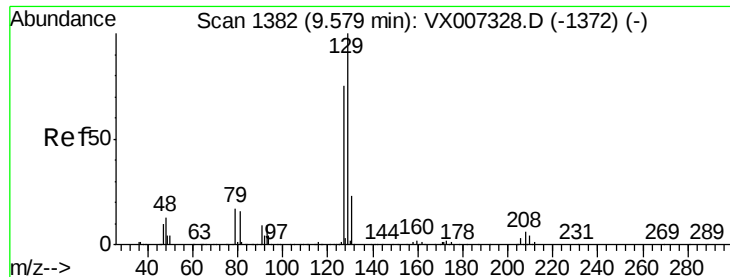
Tgt Ion: 43 Resp: 1278467

Ion Ratio Lower Upper

43 100

58 55.2 27.1 81.3





#60

Dibromochloromethane

Concen: 53.911 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion:129 Resp: 248465

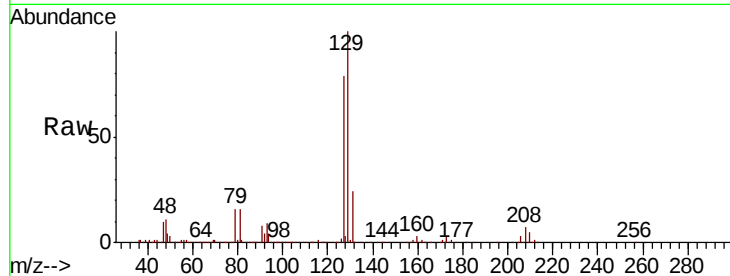
Ion Ratio Lower Upper

129 100

127 77.8 37.8 113.4

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

200000

150000

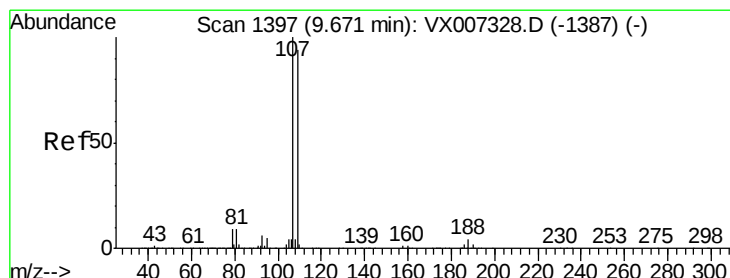
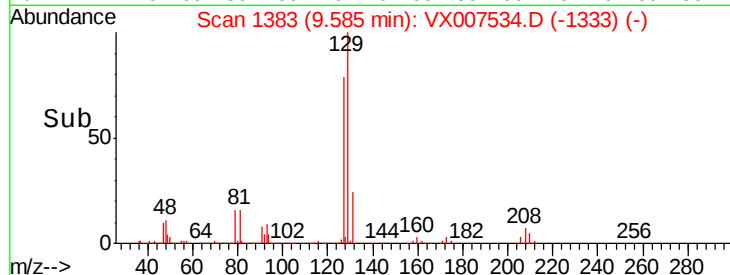
100000

50000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#61

1,2-Dibromoethane

Concen: 49.407 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007534.D

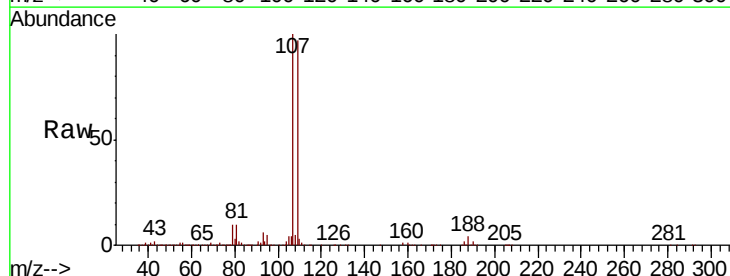
Acq: 13 Feb 2019 21:24

Tgt Ion:107 Resp: 254973

Ion Ratio Lower Upper

107 100

109 95.5 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

200000

150000

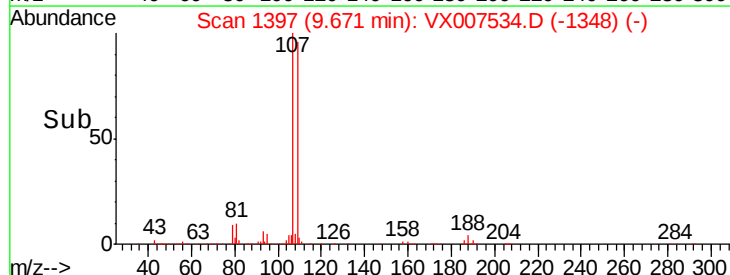
100000

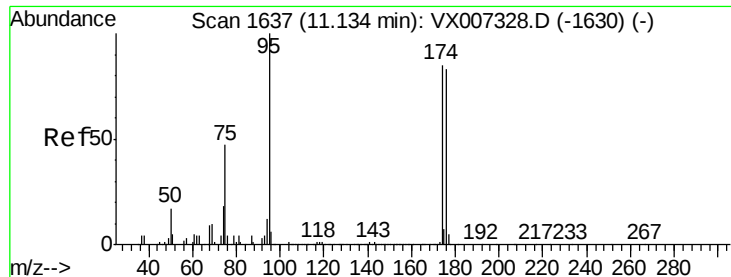
50000

0

9.60 9.65 9.70 9.75

Time-->





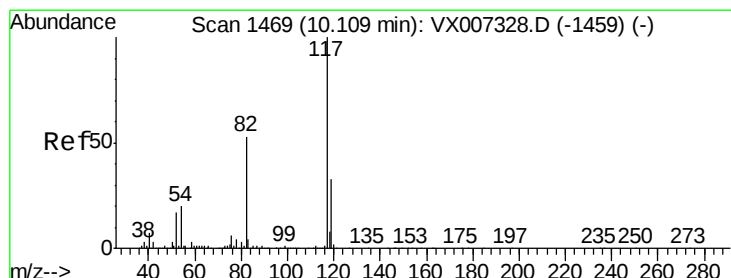
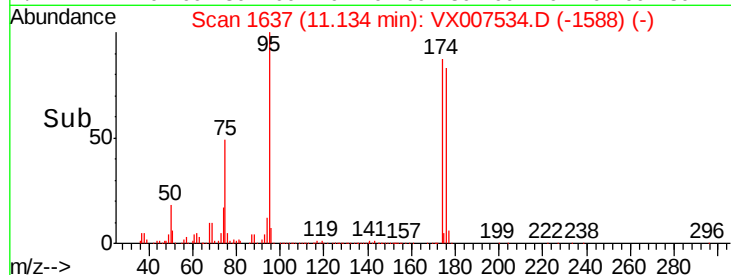
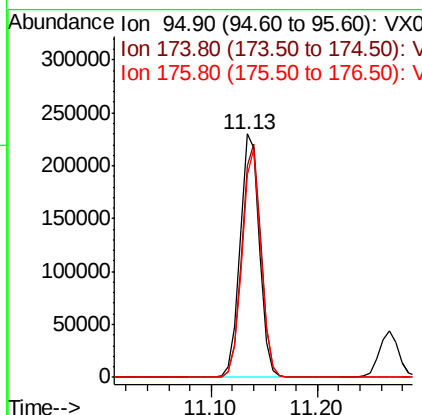
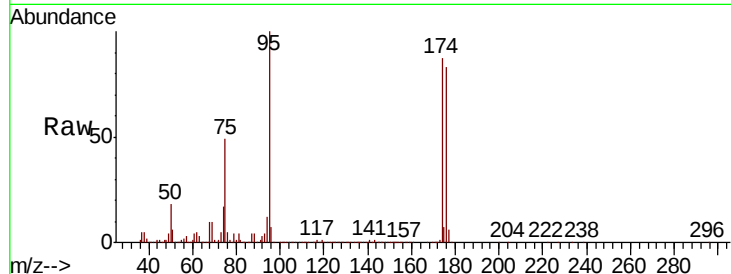
#62
4-Bromofluorobenzene
Concen: 48.758 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	294617		
174	95.0	0.0	189.2	
176	91.2	0.0	186.2	

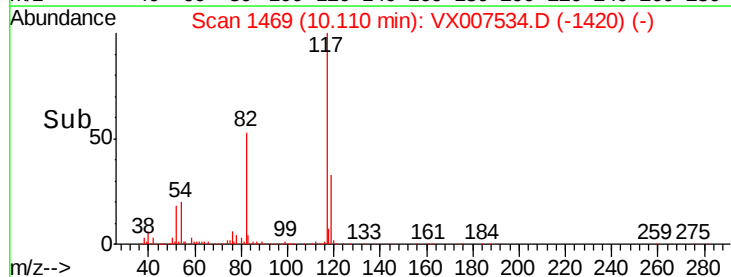
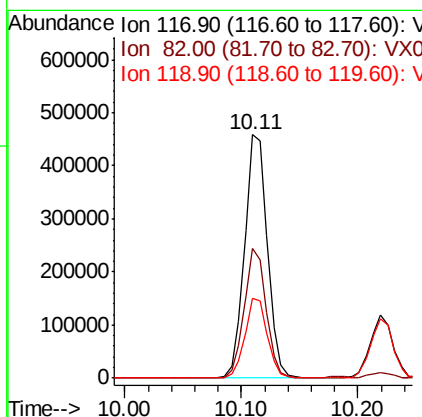
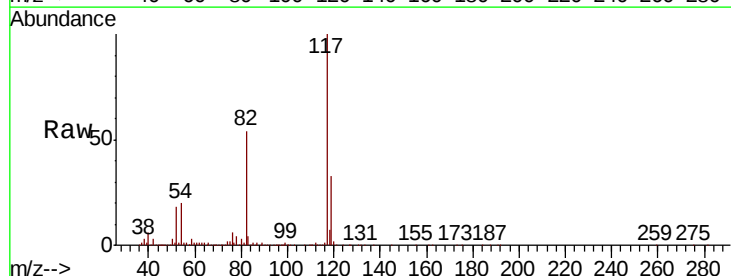
Manual Integrations
APPROVED

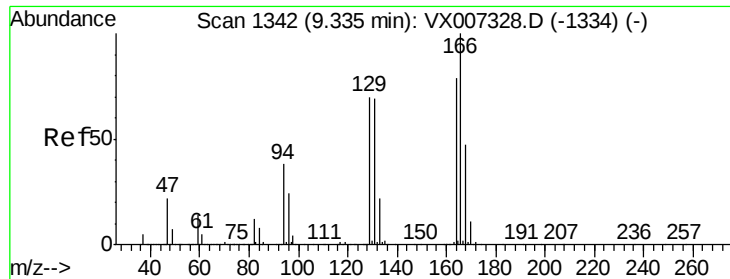
MMDadoda
2/14/2019 10:57:31 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	627984		
82	53.5	42.1	63.1	
119	32.7	26.5	39.7	





#64

Tetrachloroethene

Concen: 38.289 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion:164 Resp: 226628

Ion Ratio Lower Upper

164 100

166 127.7 101.0 151.4

129 88.7 70.5 105.7

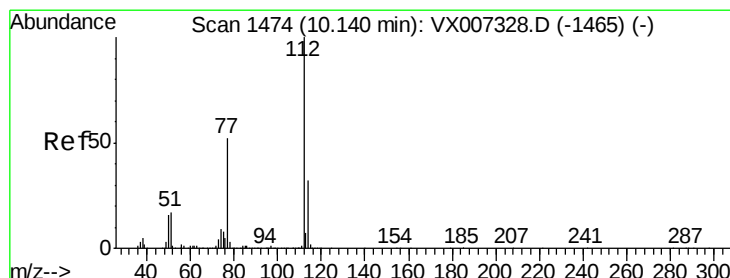
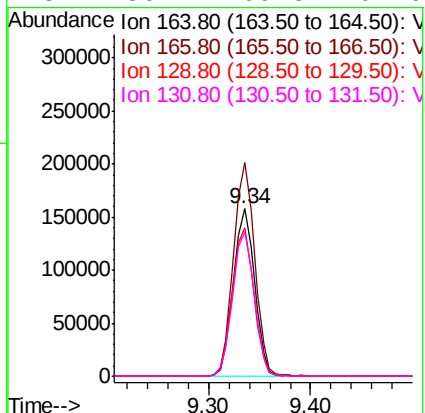
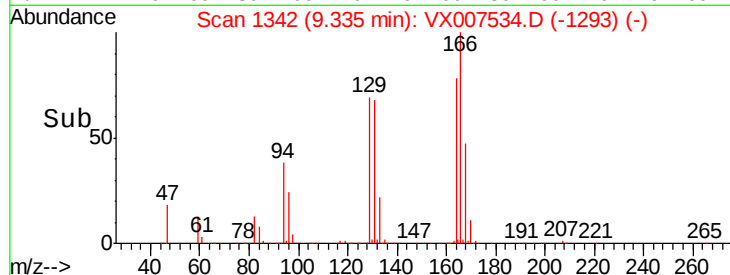
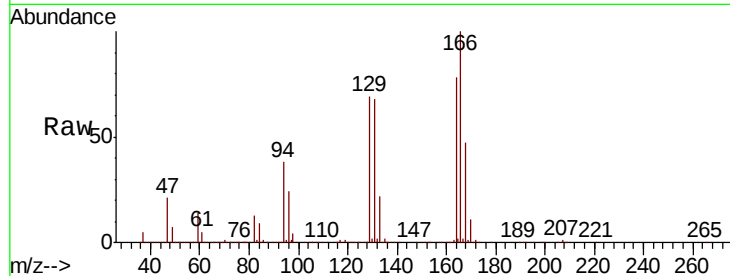
131 86.7 69.8 104.6

Manual Integrations

APPROVED

MMDadoda

2/14/2019 10:57:31 AM



#65

Chlorobenzene

Concen: 47.011 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007534.D

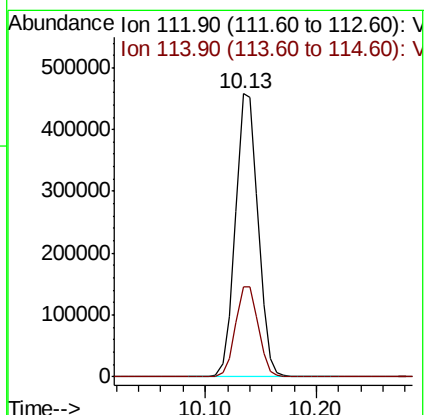
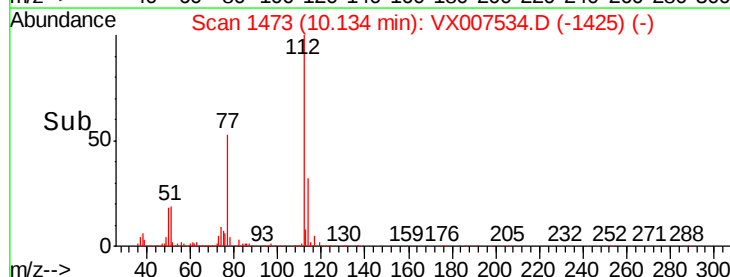
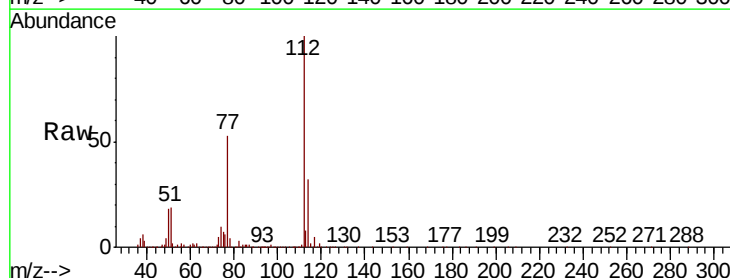
Acq: 13 Feb 2019 21:24

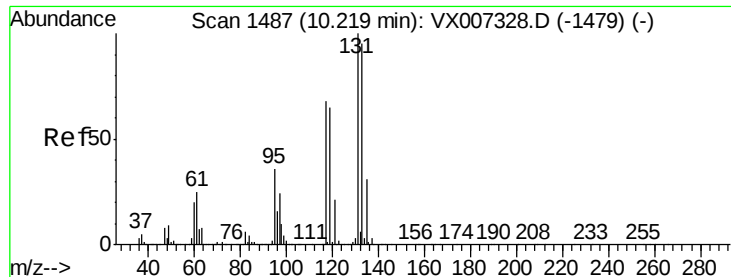
Tgt Ion:112 Resp: 644225

Ion Ratio Lower Upper

112 100

114 31.7 25.8 38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 51.629 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

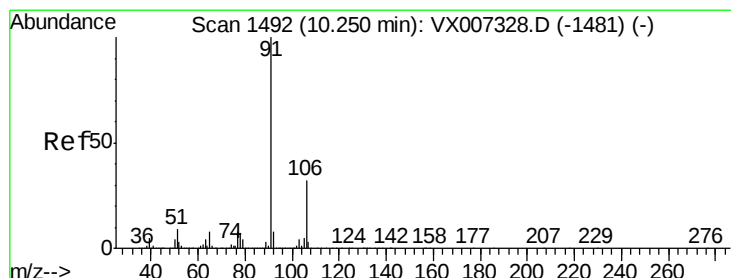
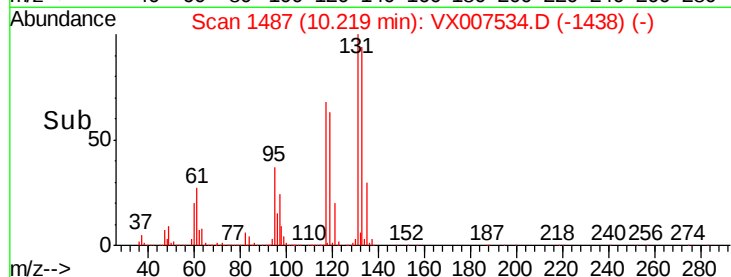
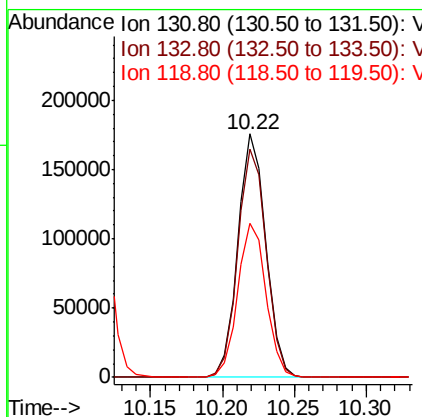
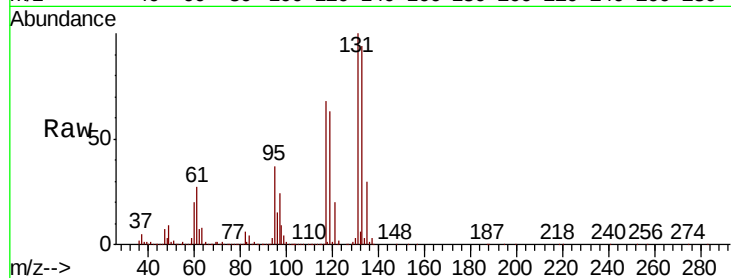
ClientSampleId :

MW-2-20190208MSD

Tot Ion:	131	Resp:	237208
Ion Ratio	Lower	Upper	
131	100		
133	95.4	48.0	144.2
119	64.1	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#67

Ethyl Benzene

Concen: 47.079 ug/l

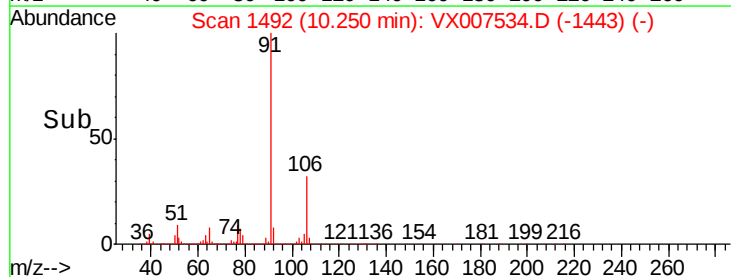
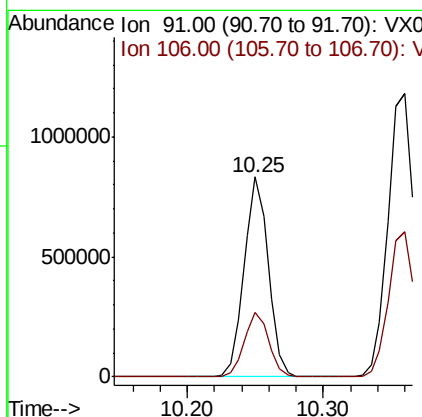
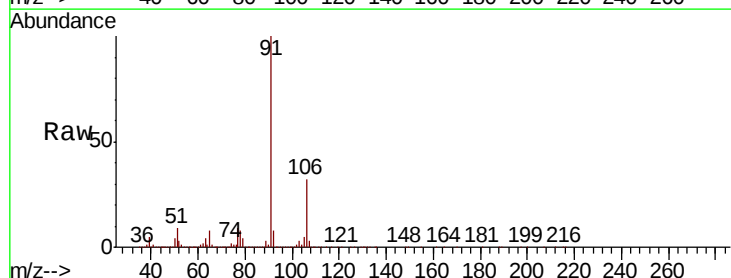
RT: 10.25 min Scan# 1492

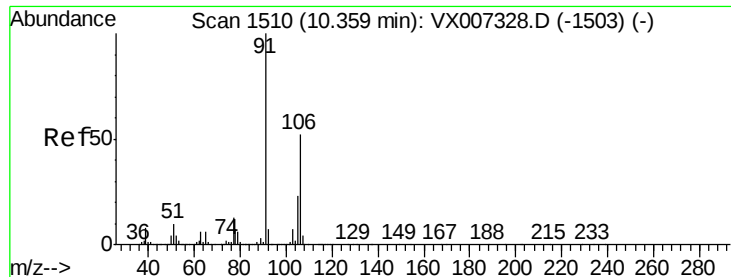
Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Tgt Ion:	91	Resp:	1038961
Ion Ratio	Lower	Upper	
91	100		
106	32.5	25.4	38.0





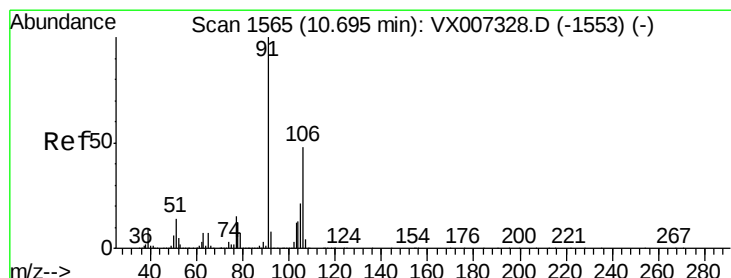
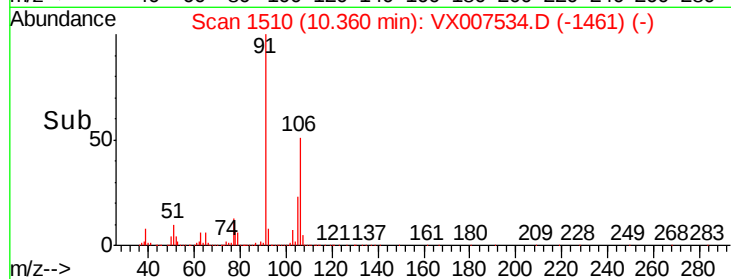
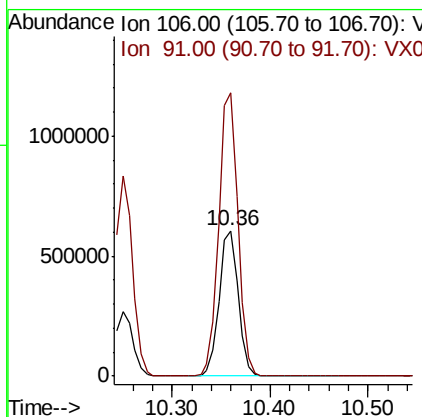
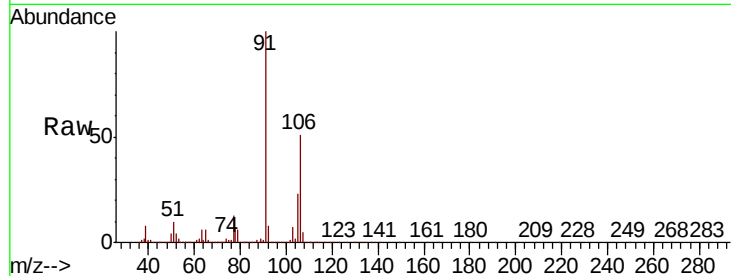
#68
m/p-Xylenes
Concen: 93.252 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	196.2	156.6	234.8	

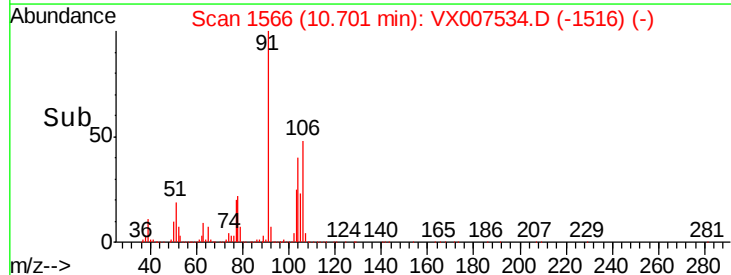
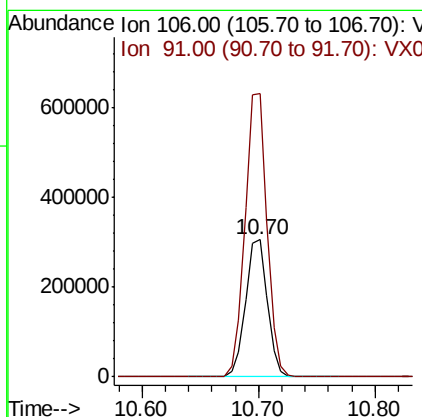
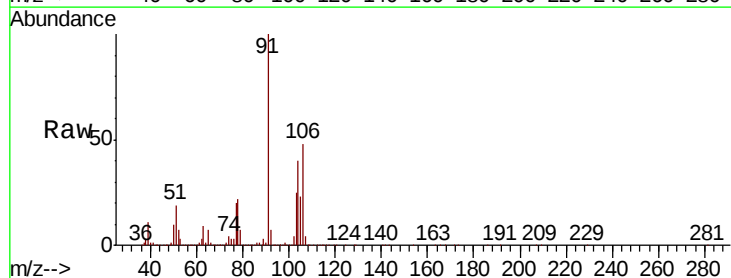
Manual Integrations
APPROVED

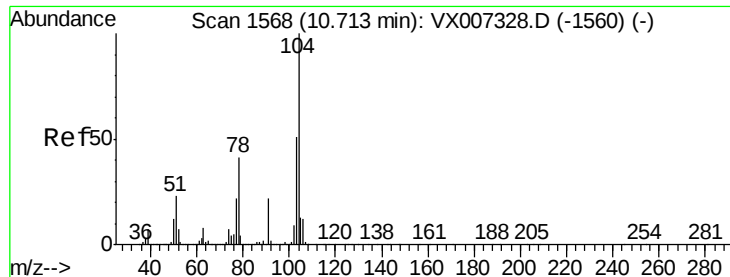
MMDadoda
2/14/2019 10:57:31 AM



#69
o-Xylene
Concen: 47.619 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.1	102.9	308.7	





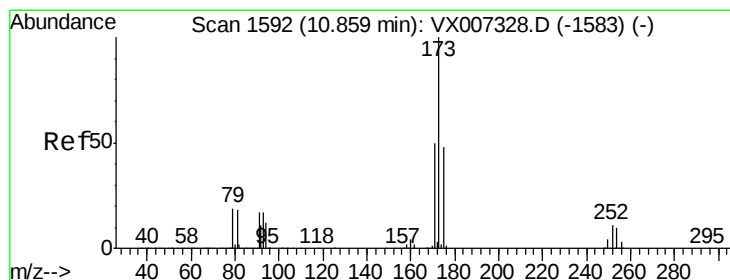
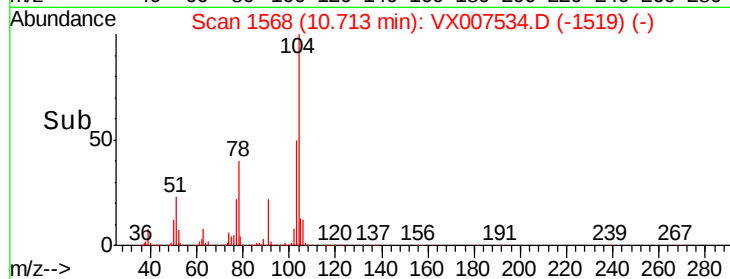
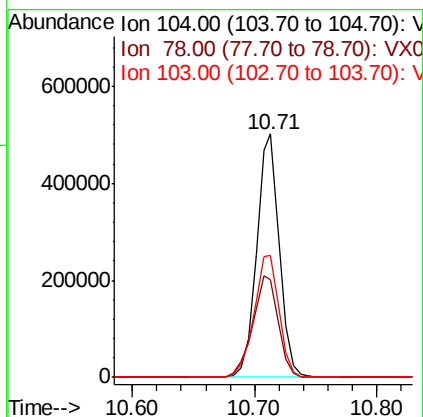
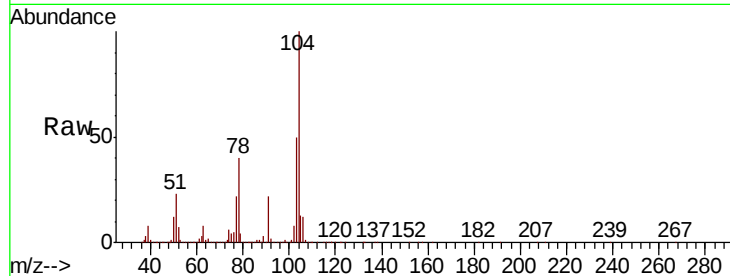
#70
Stvrene
Concen: 47.247 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	646805		
78	47.3		38.3	57.5
103	55.9		44.6	67.0

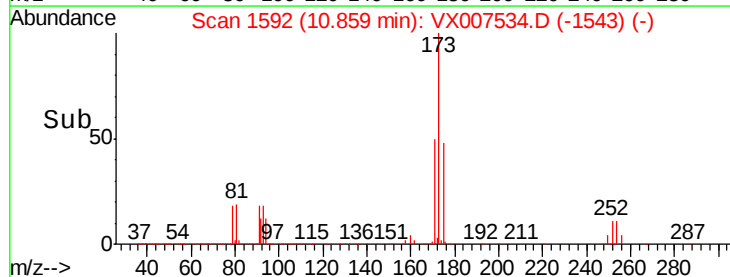
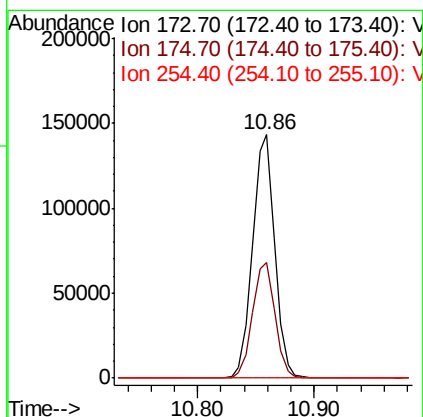
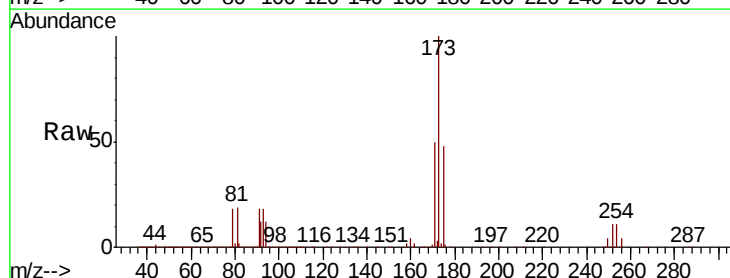
Manual Integrations
APPROVED

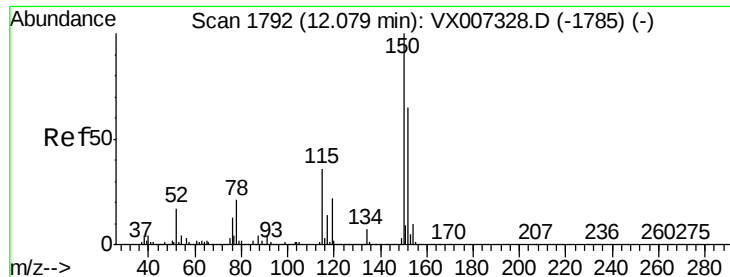
MMDadoda
2/14/2019 10:57:31 AM



#71
Bromoform
Concen: 47.338 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	189819		
175	48.4		24.2	72.6
254	0.2		0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

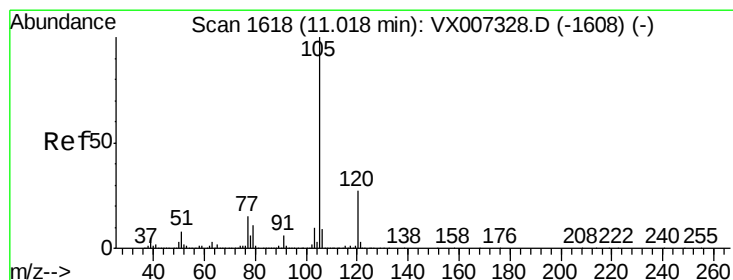
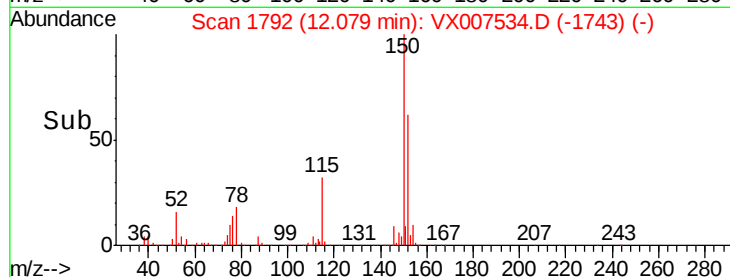
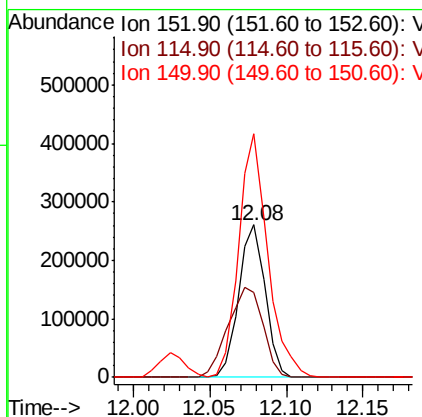
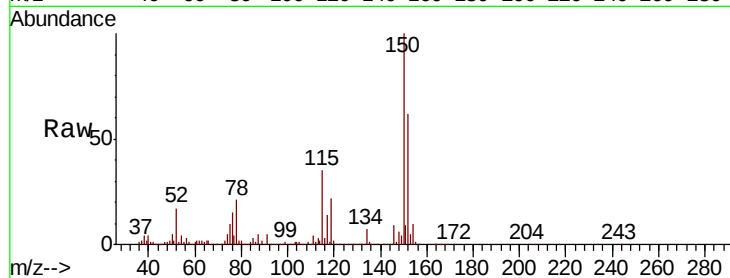
ClientSampleId :

MW-2-20190208MSD

Tot Ion:	152	Resp:	312961
Ion Ratio	Lower	Upper	
152	100		
115	77.6	38.0	114.0
150	174.1	0.0	346.4

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#73

Isopropylbenzene

Concen: 50.681 ug/l

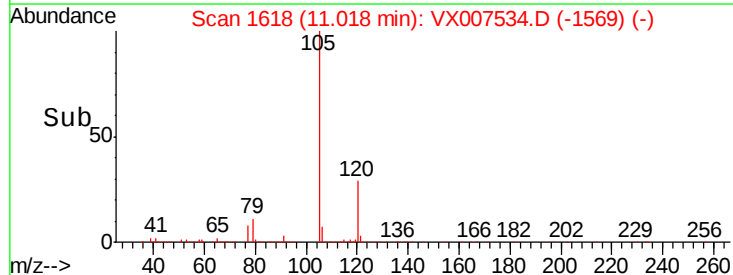
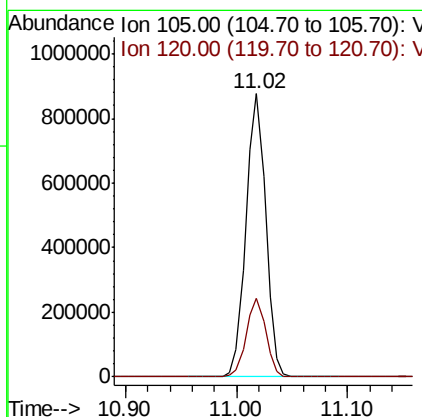
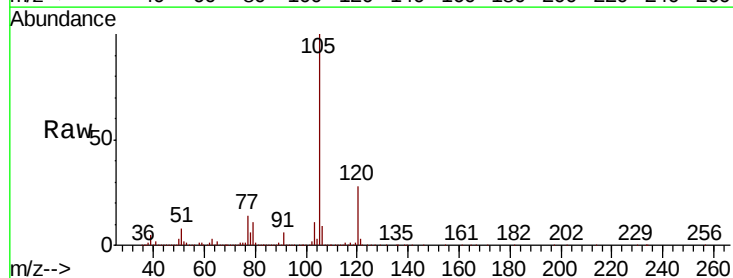
RT: 11.02 min Scan# 1618

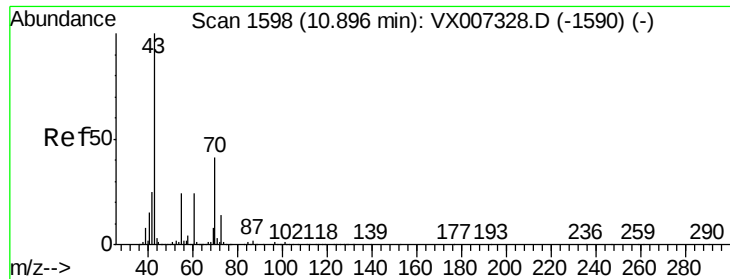
Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Tgt Ion:	105	Resp:	1077861
Ion Ratio	Lower	Upper	
105	100		
120	27.4	13.6	40.7





#74

N-amvl acetate

Concen: 52.300 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

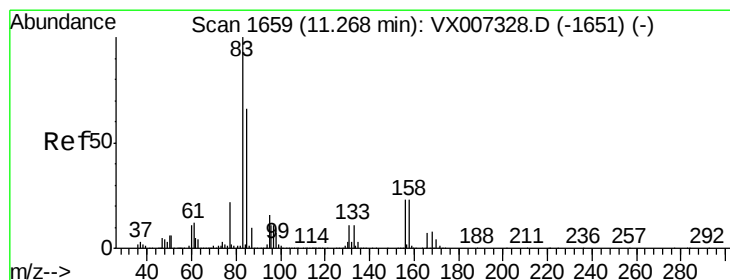
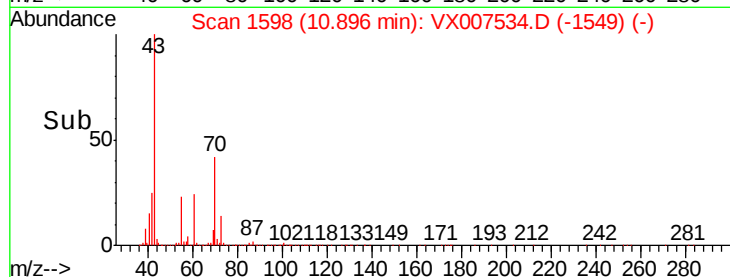
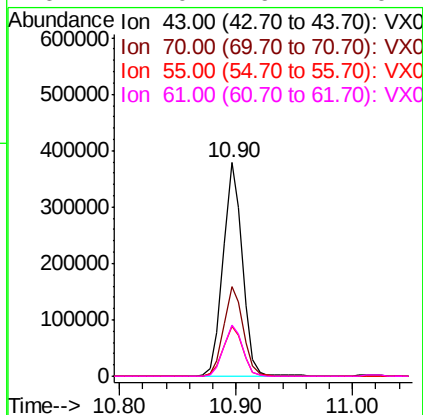
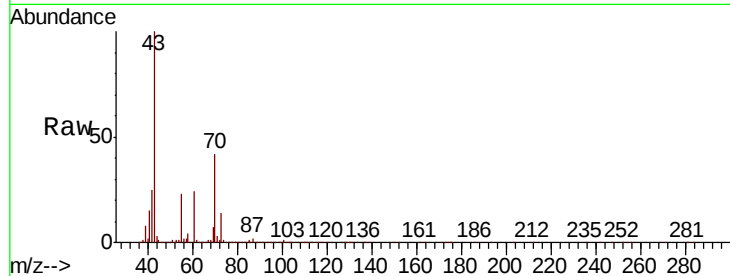
ClientSampleId :

MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	42.8	33.8	50.6
55	24.0	19.5	29.3
61	24.0	19.4	29.2

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 54.427 ug/l

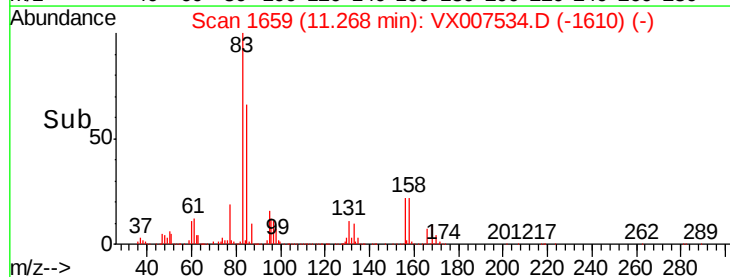
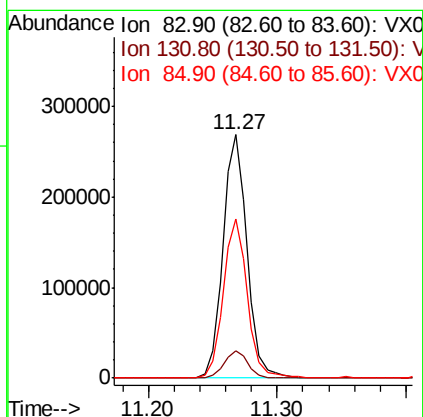
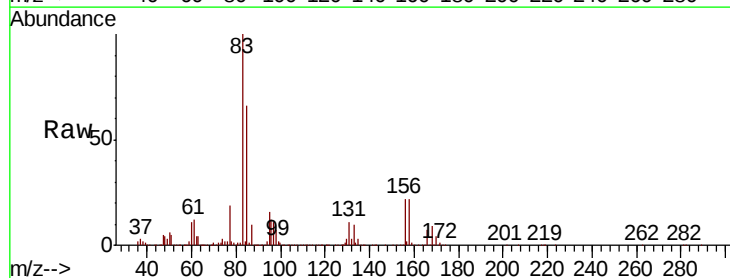
RT: 11.27 min Scan# 1659

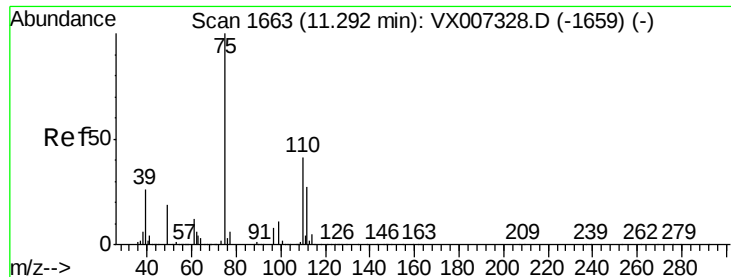
Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.7	17.0
85	65.6	32.8	98.3





#76

1,2,3-Trichloropropane

Concen: 53.574 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion: 75 Resp: 326131

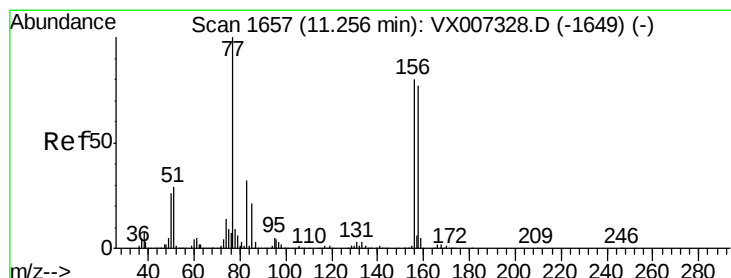
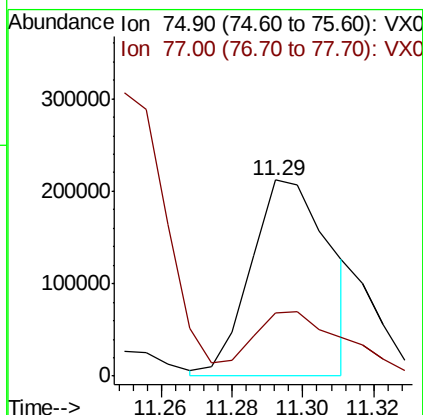
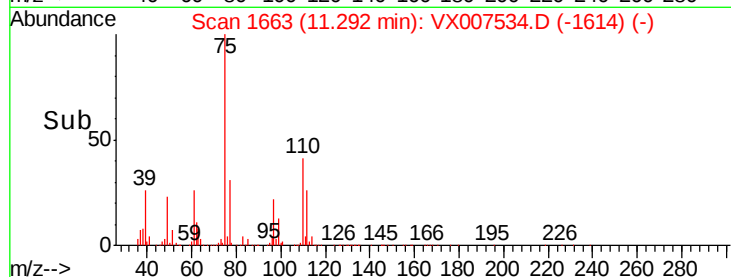
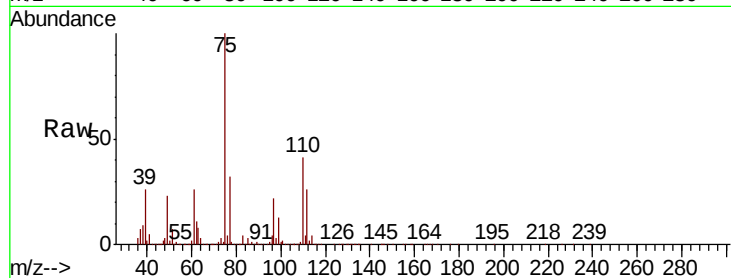
Ion Ratio Lower Upper

75 100

77 39.1 23.0 69.0

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#77

Bromobenzene

Concen: 48.272 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

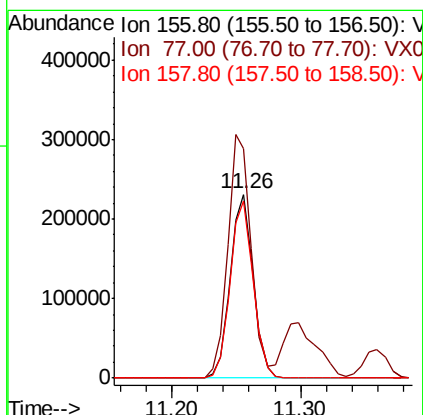
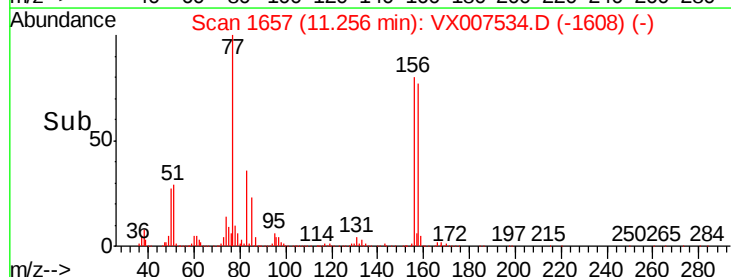
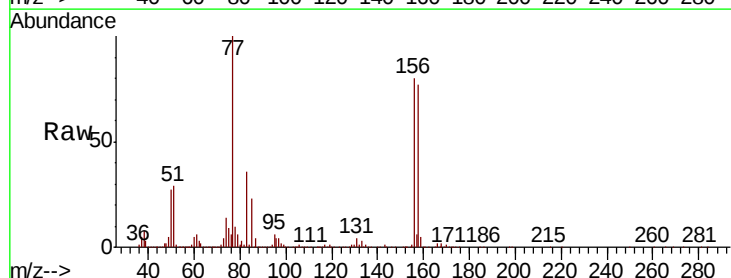
Tgt Ion: 156 Resp: 289255

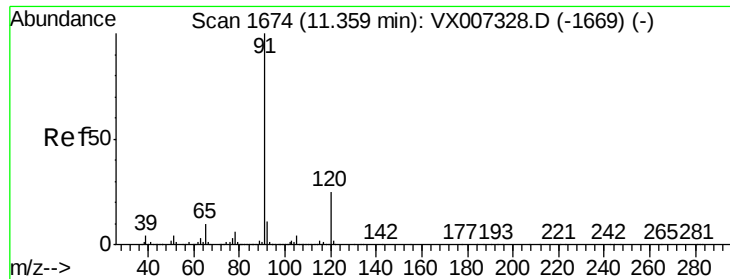
Ion Ratio Lower Upper

156 100

77 133.7 66.8 200.6

158 96.9 47.9 143.8





#78

n-propylbenzene

Concen: 50.635 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion: 91 Resp: 1180849

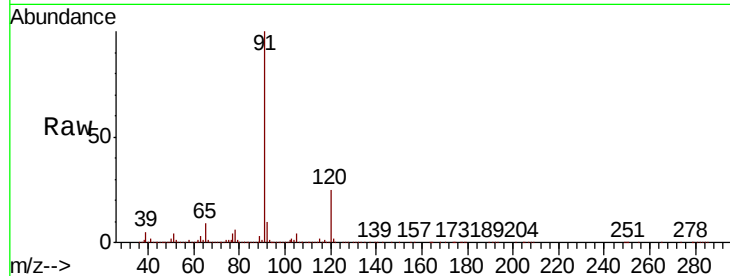
Ion Ratio Lower Upper

91 100

120 24.4 12.4 37.2

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

1000000

800000

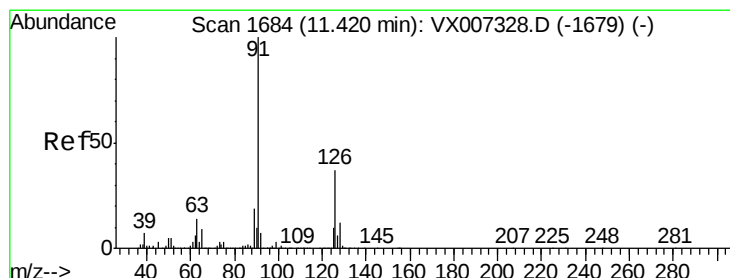
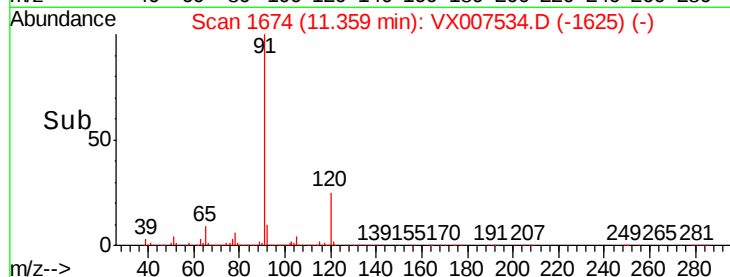
600000

400000

200000

0

Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 48.951 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007534.D

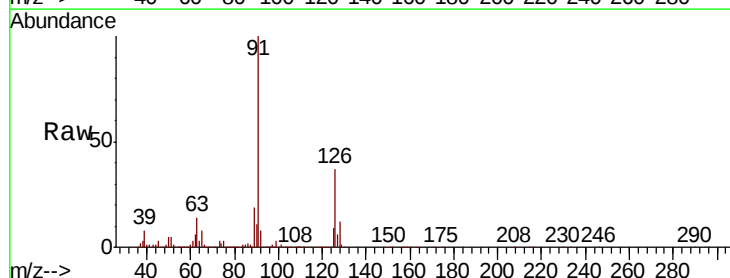
Acq: 13 Feb 2019 21:24

Tgt Ion: 91 Resp: 692694

Ion Ratio Lower Upper

91 100

126 36.9 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.42

1000000

800000

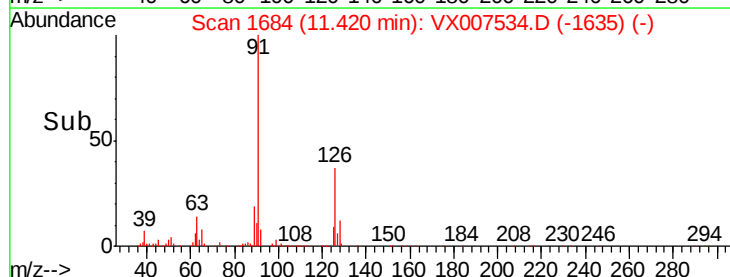
600000

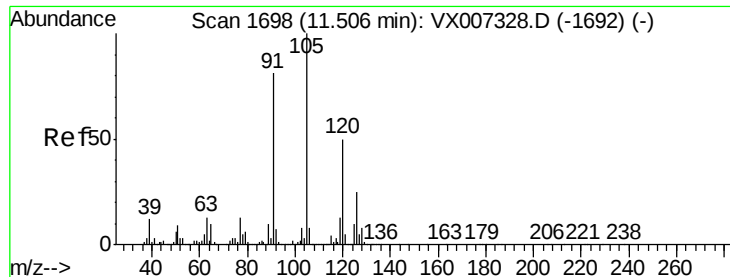
400000

200000

0

Time--> 11.40 11.45





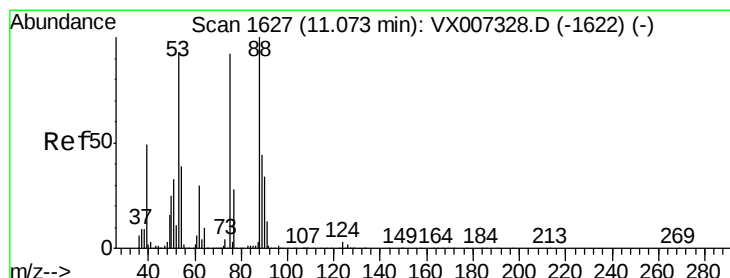
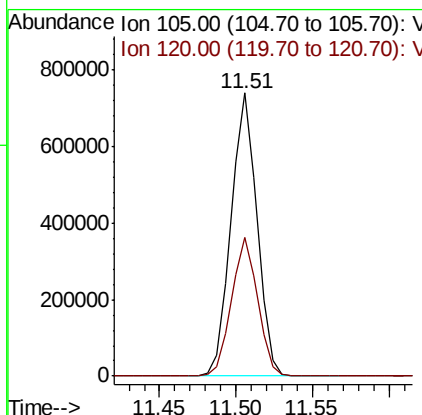
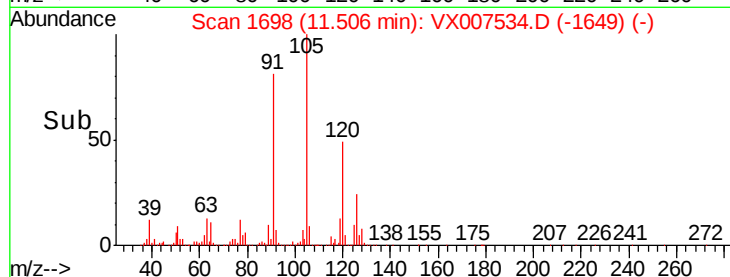
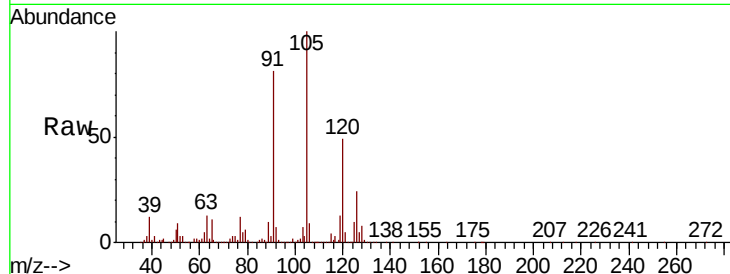
#80
 1,3,5-Trimethylbenzene
 Concen: 49.927 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.4	25.3	75.8

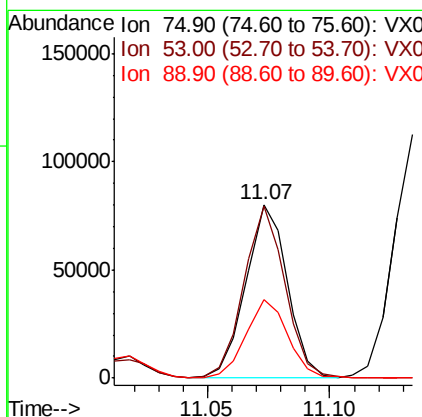
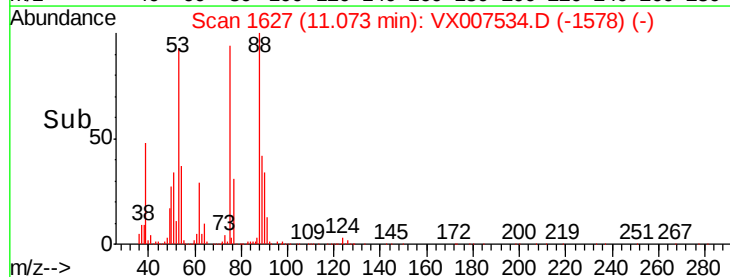
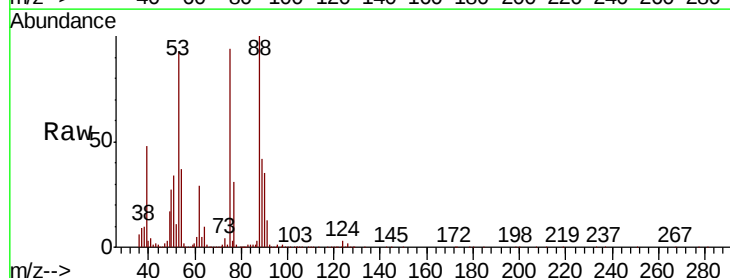
Manual Integrations
 APPROVED

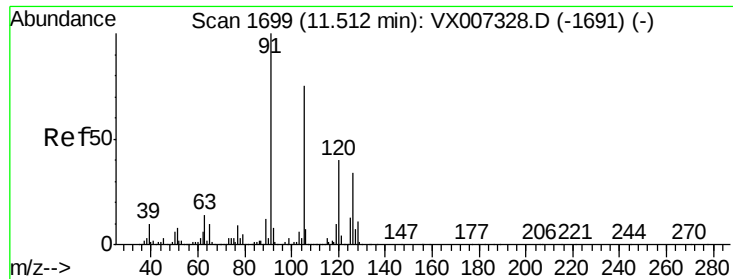
MMDadoda
 2/14/2019 10:57:31 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.201 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.1	81.0	121.6
89	45.5	41.4	62.0





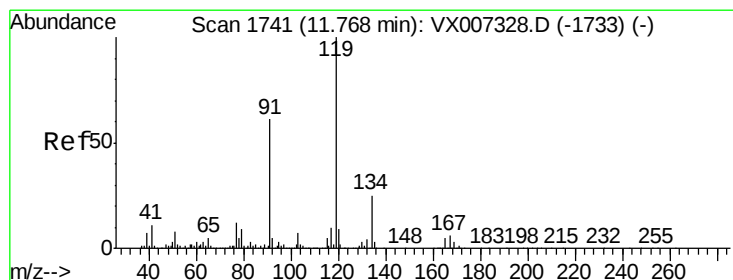
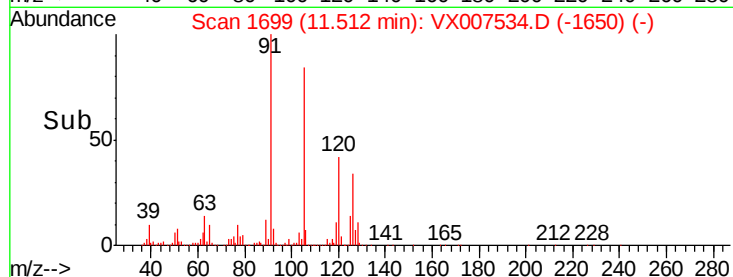
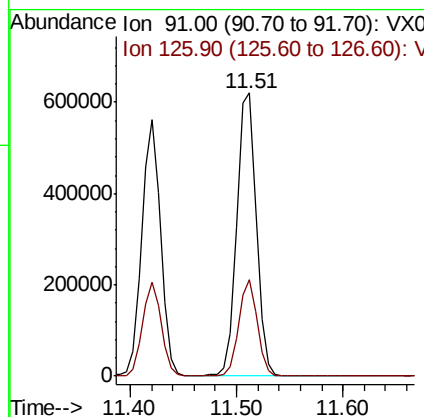
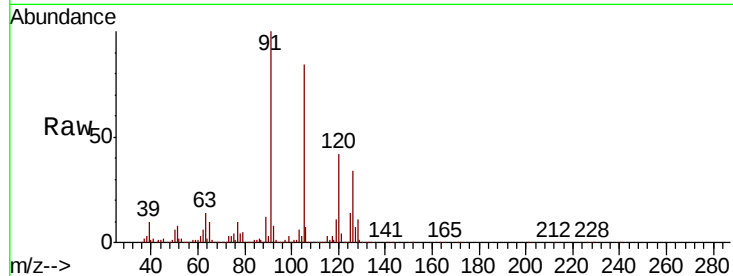
#82
4-Chlorotoluene
Concen: 48.932 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5

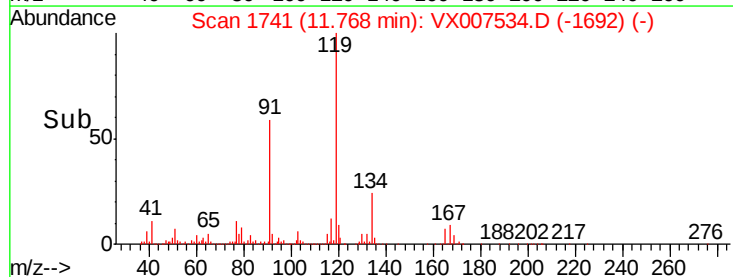
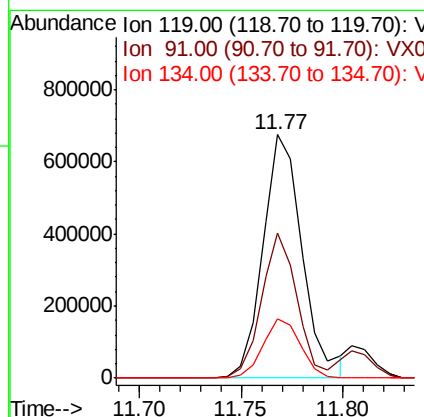
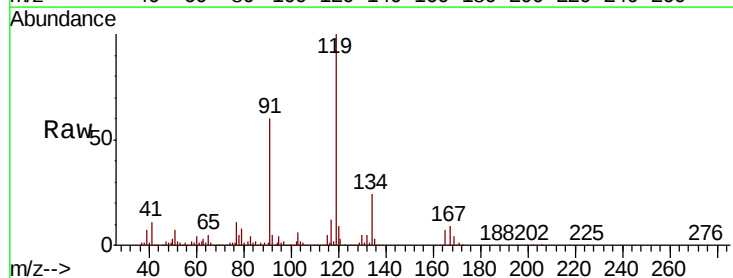
Manual Integrations
APPROVED

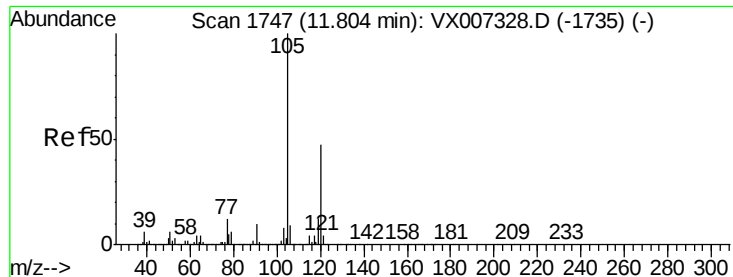
MMDadoda
2/14/2019 10:57:31 AM



#83
tert-Butylbenzene
Concen: 52.655 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007534.D
Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
119	100		
91	53.8	28.5	85.6
134	23.2	12.0	36.0





#84

1,2,4-Trimethylbenzene

Concen: 49.839 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion:105 Resp: 880374

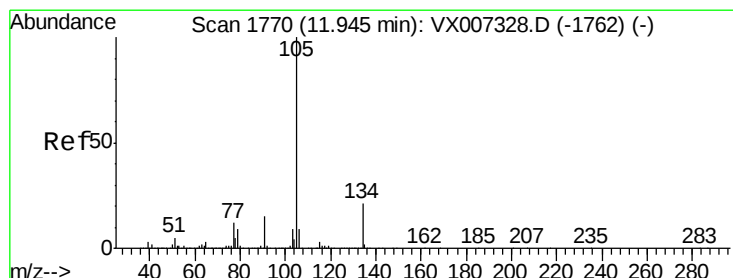
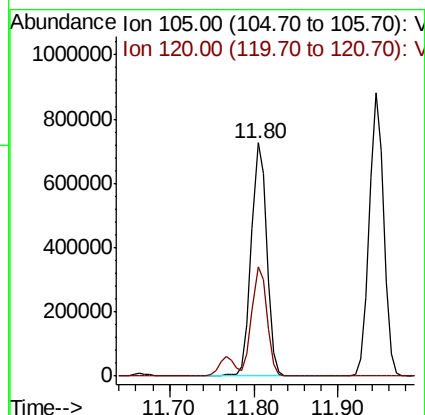
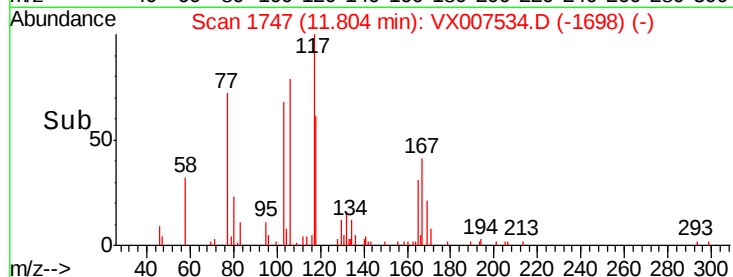
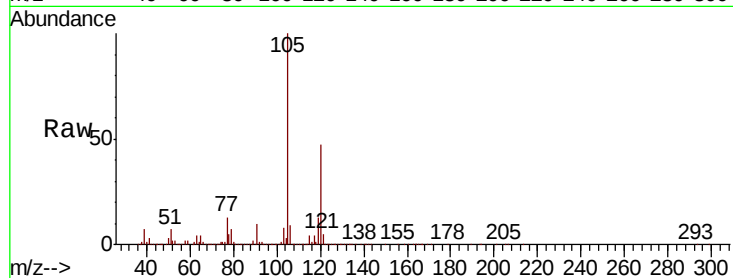
Ion Ratio Lower Upper

105 100

120 45.7 23.1 69.3

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#85

sec-Butylbenzene

Concen: 50.554 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007534.D

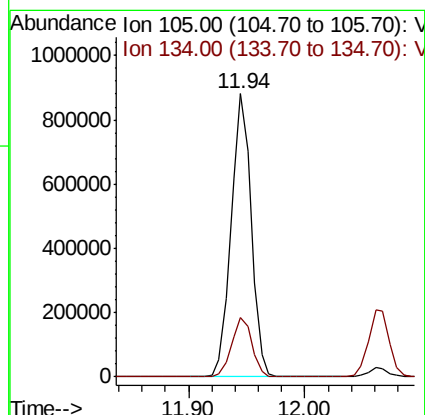
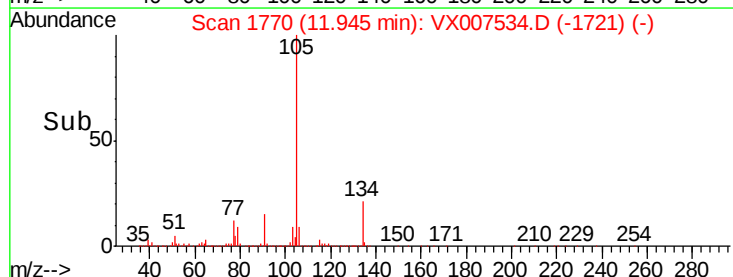
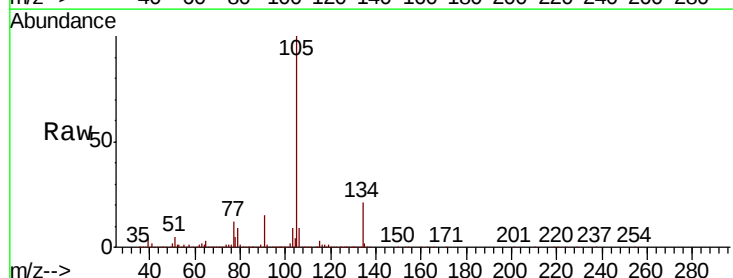
Acq: 13 Feb 2019 21:24

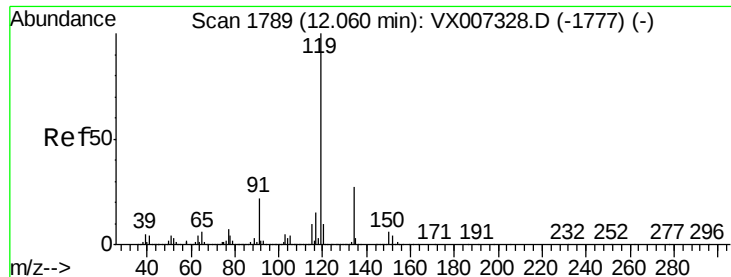
Tgt Ion:105 Resp: 1054004

Ion Ratio Lower Upper

105 100

134 21.3 10.6 31.8





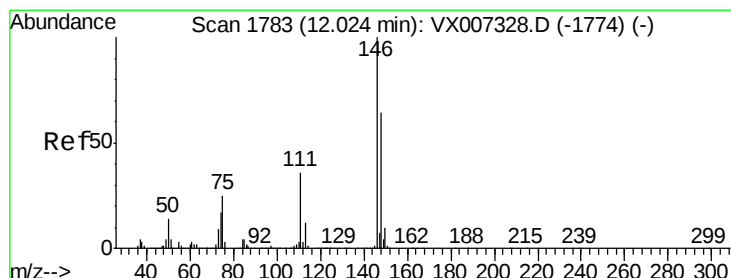
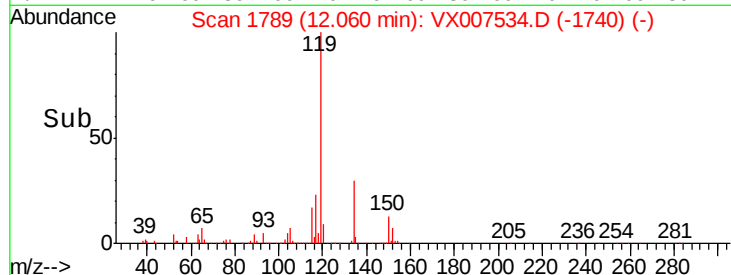
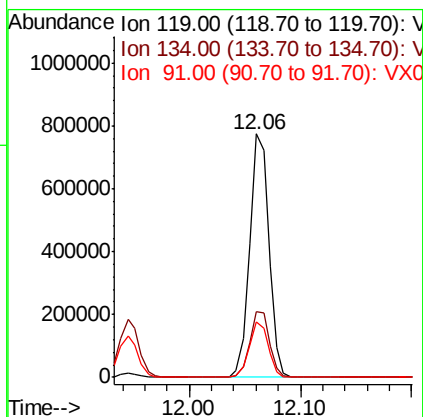
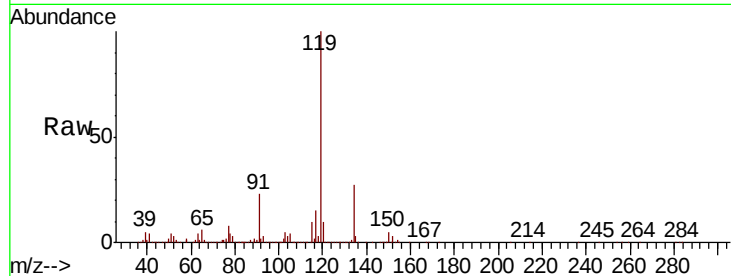
#86
 p-Isopropyltoluene
 Concen: 49.383 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	929430		
134	27.6		13.7	41.1
91	22.5		11.2	33.5

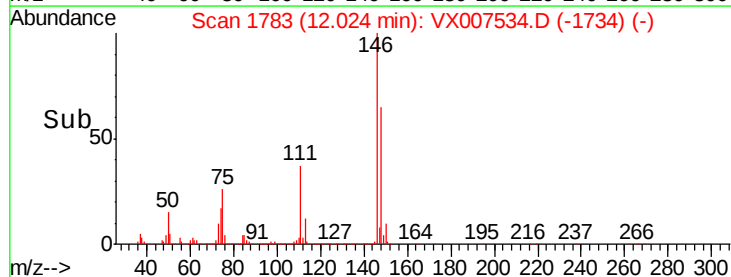
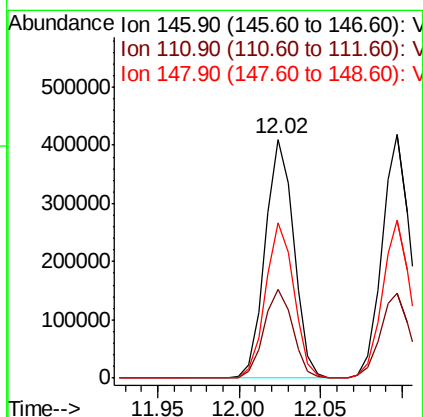
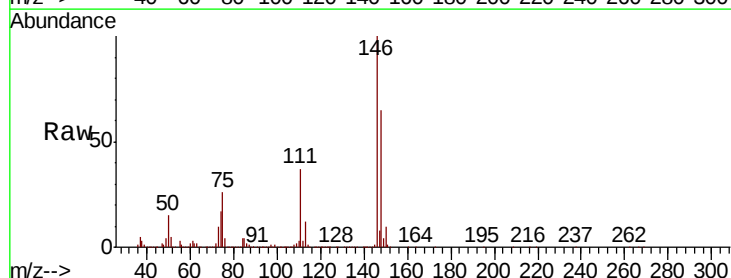
Manual Integrations
 APPROVED

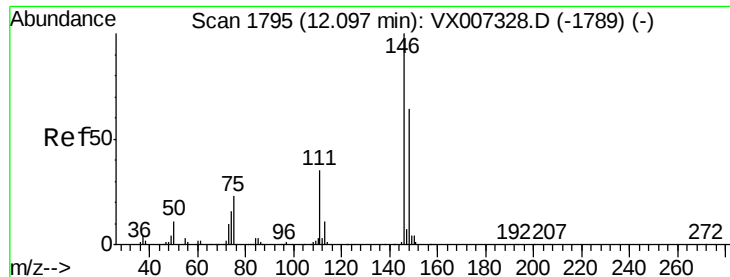
MMDadoda
 2/14/2019 10:57:31 AM



#87
 1,3-Dichlorobenzene
 Concen: 46.411 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	499103		
111	37.4		18.1	54.1
148	64.5		32.0	96.2





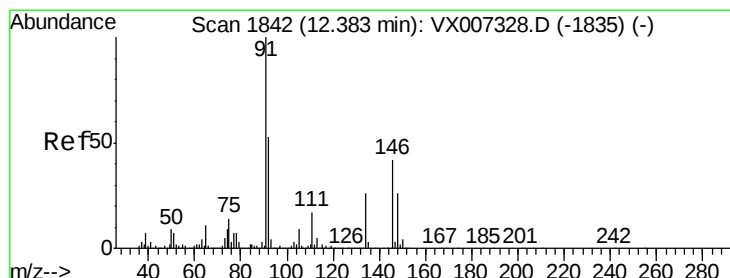
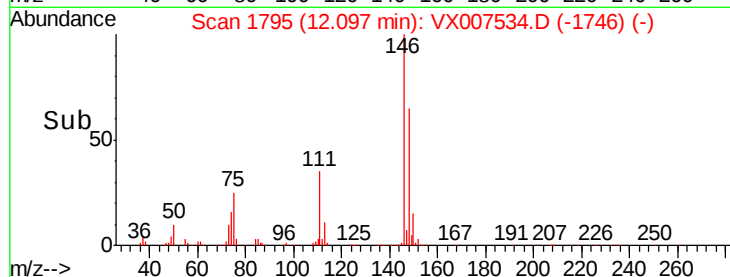
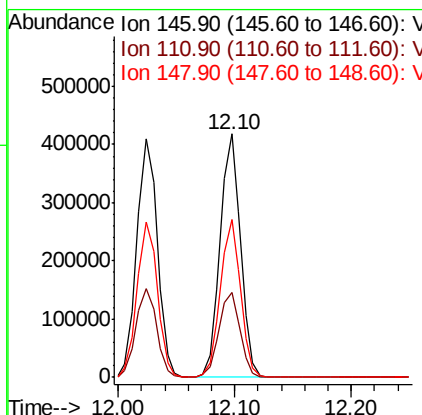
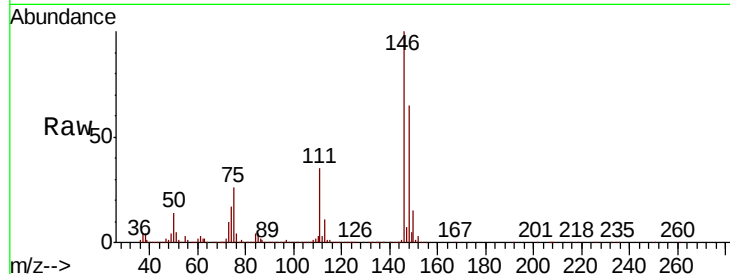
#88
 1,4-Dichlorobenzene
 Concen: 46.072 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	502668		
111	36.3	18.1	54.1	
148	64.3	32.3	96.9	

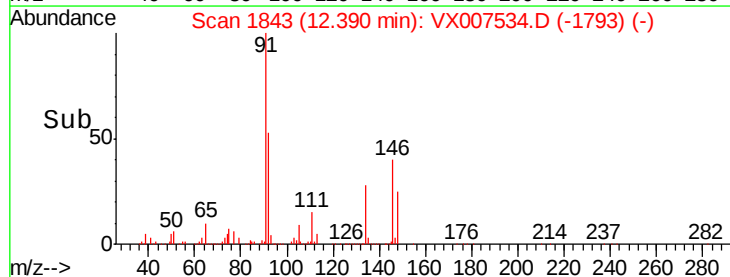
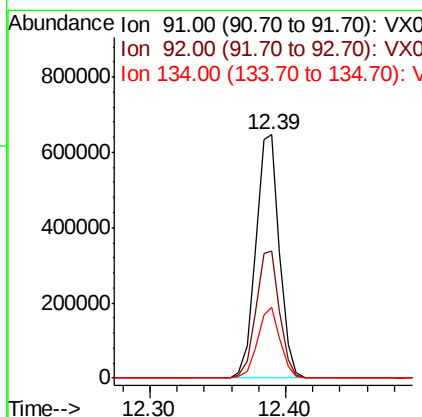
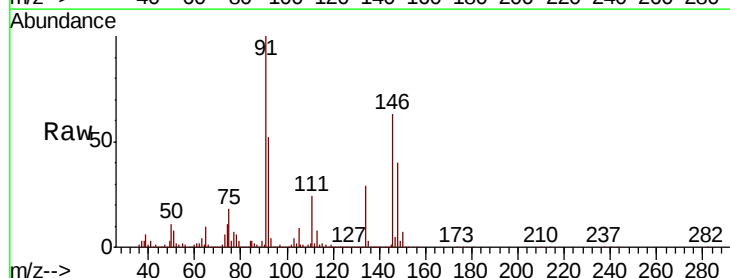
Manual Integrations
 APPROVED

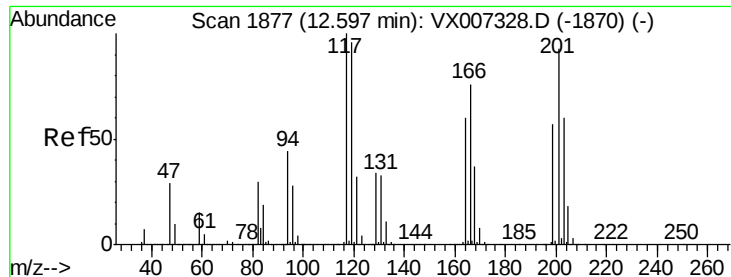
MMDadoda
 2/14/2019 10:57:31 AM



#89
 n-Butylbenzene
 Concen: 48.580 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	786533		
92	52.5	26.3	78.9	
134	27.7	13.9	41.6	





#90

Hexachloroethane

Concen: 55.837 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190208MSD

Tot Ion:117 Resp: 157279

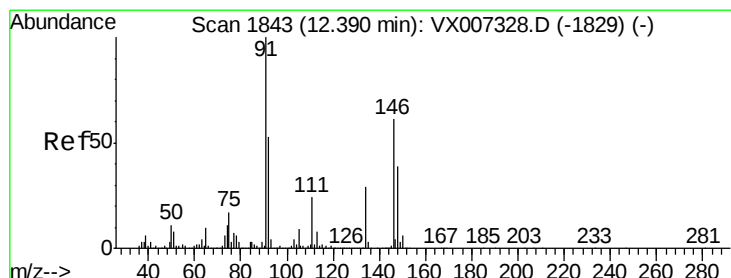
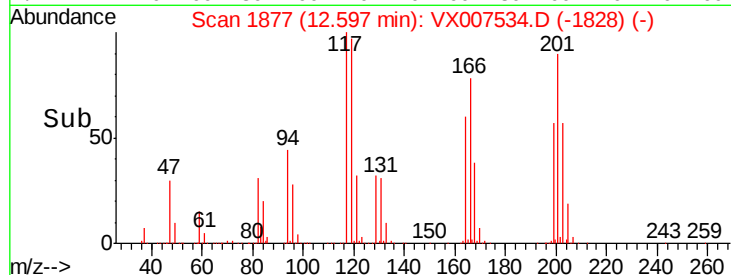
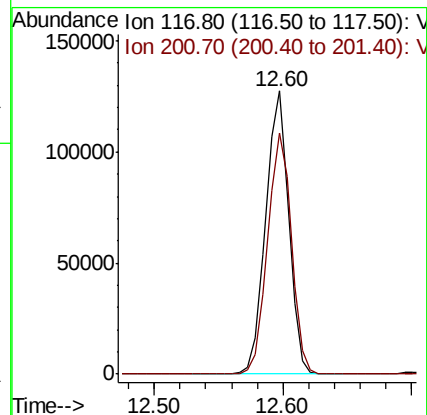
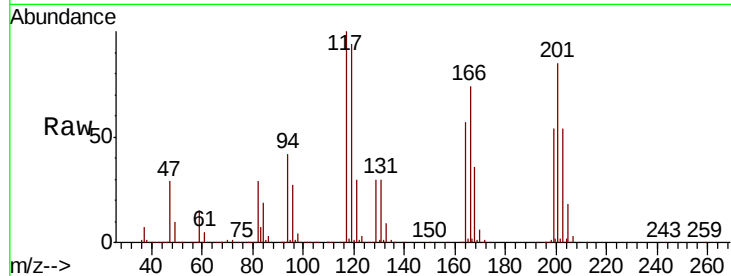
Ion Ratio Lower Upper

117 100

201 88.2 44.9 134.7

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#91

1,2-Dichlorobenzene

Concen: 46.768 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

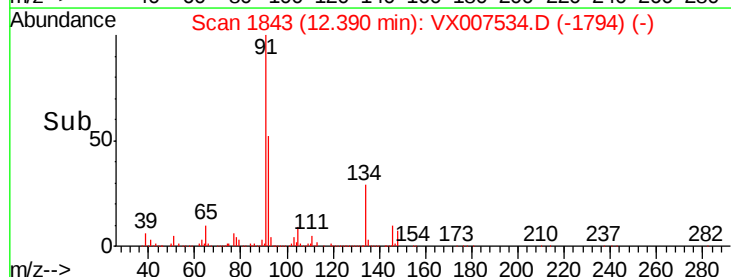
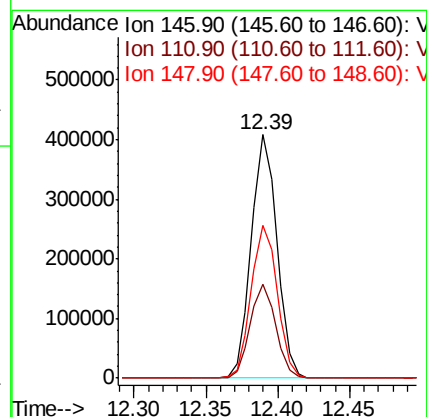
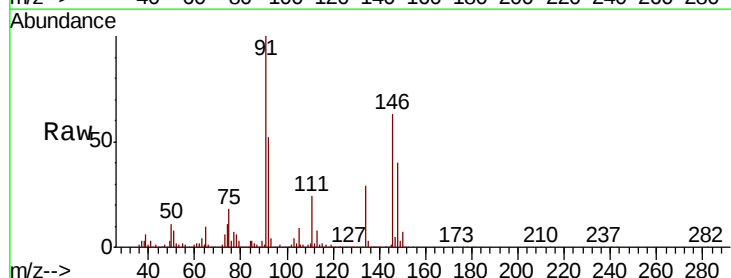
Tgt Ion:146 Resp: 500526

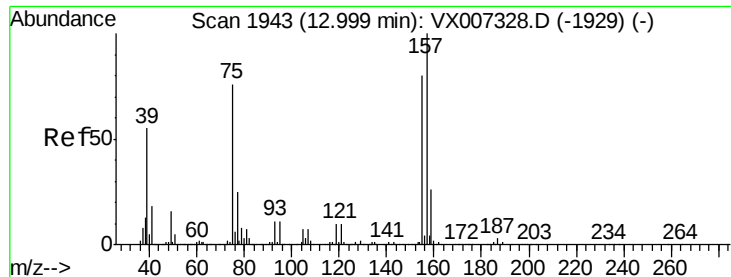
Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.3

148 64.2 32.1 96.3





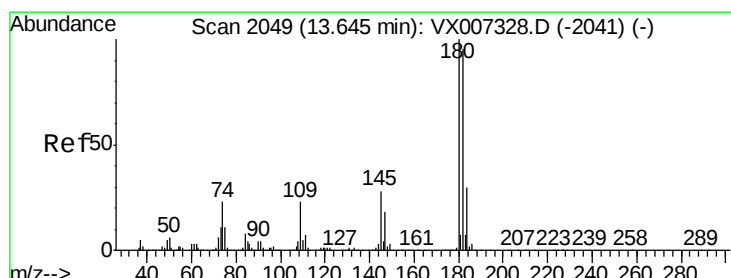
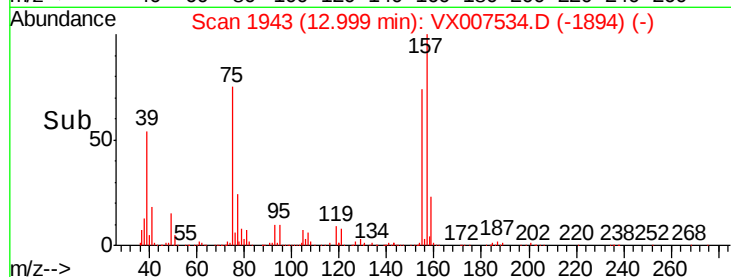
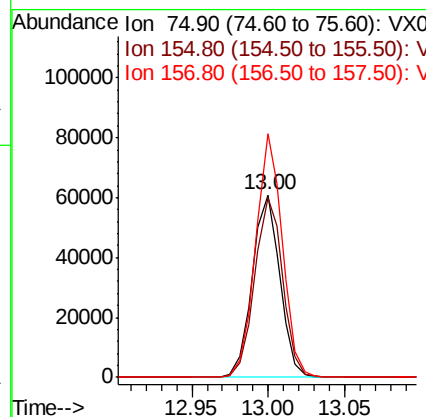
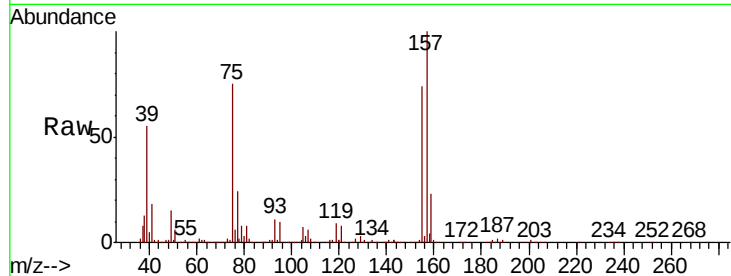
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.497 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	99.7	49.6	149.0
157	129.9	65.1	195.3

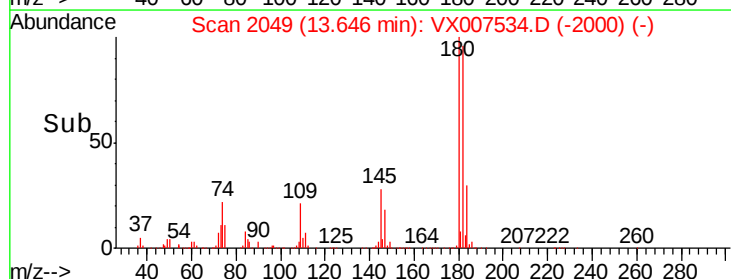
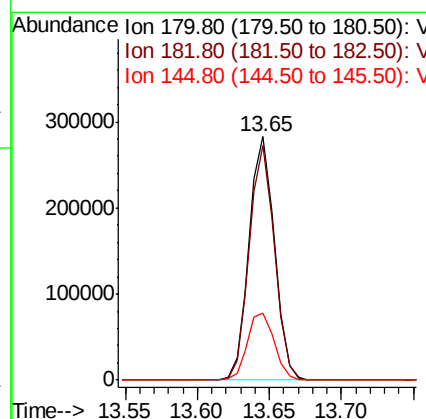
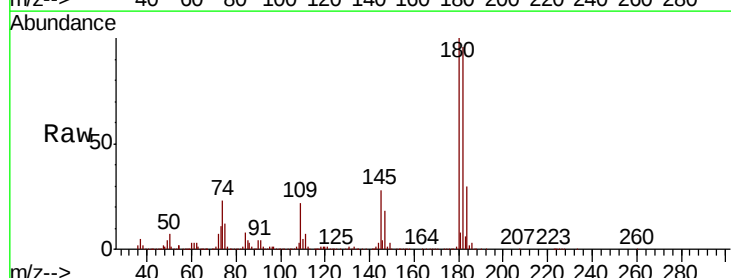
Manual Integrations
 APPROVED

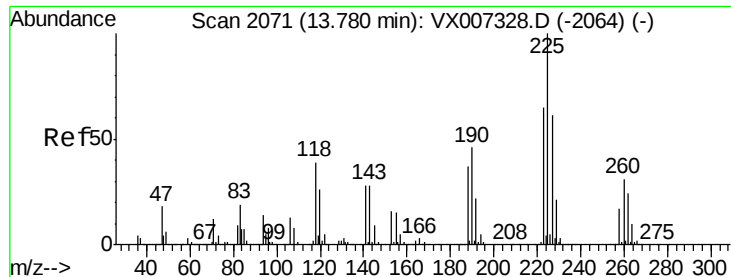
MMDadoda
 2/14/2019 10:57:31 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.696 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	29.0	14.1	42.2





#94

Hexachlorobutadiene

Concen: 45.377 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Instrument :

MSVOA_X

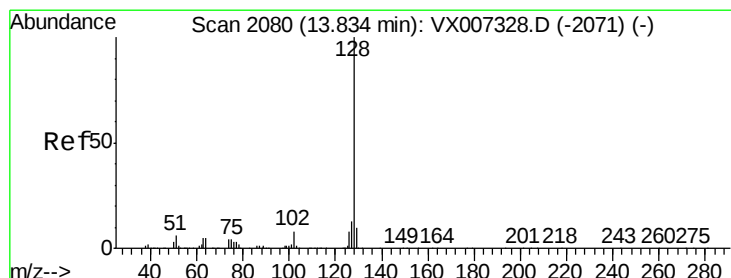
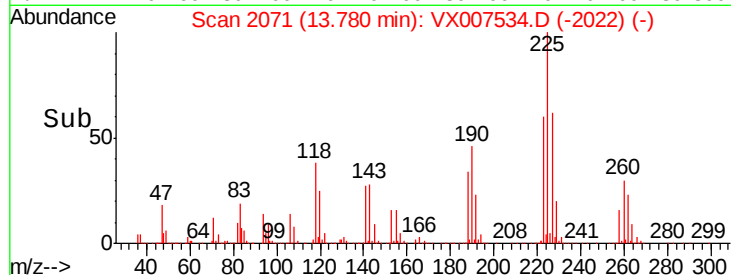
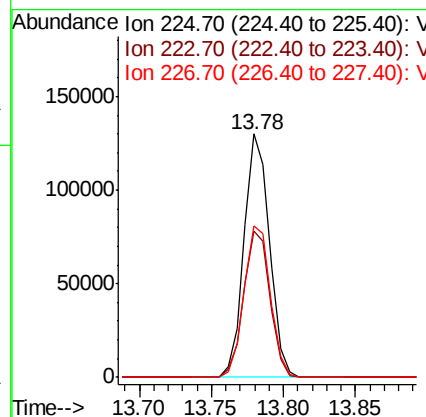
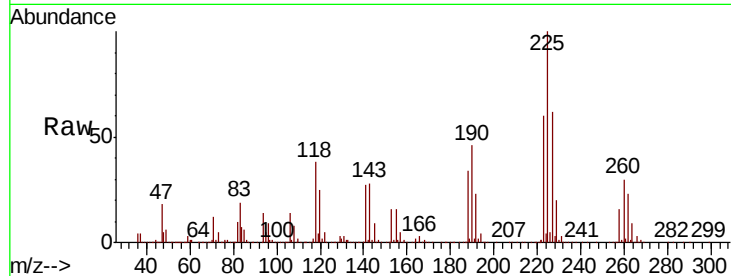
ClientSampleId :

MW-2-20190208MSD

Tot Ion:	225	Resp:	159030
Ion Ratio		Lower	Upper
225	100		
223	62.2	31.6	94.8
227	64.7	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:57:31 AM



#95

Naphthalene

Concen: 52.644 ug/l

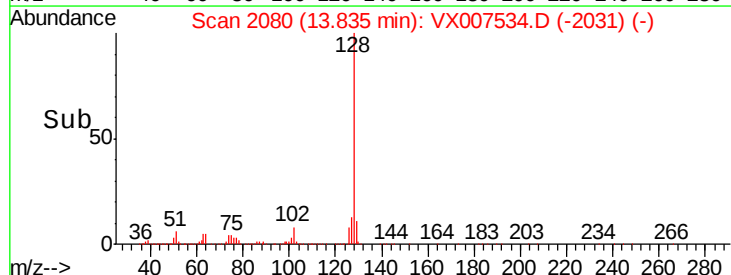
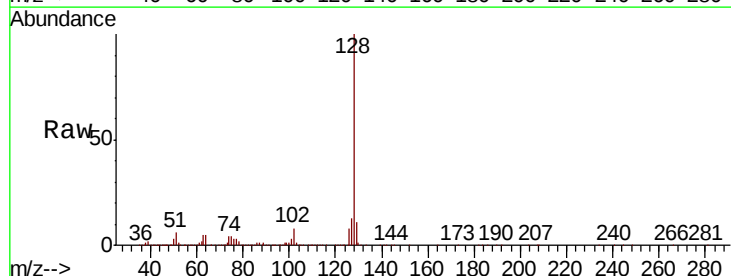
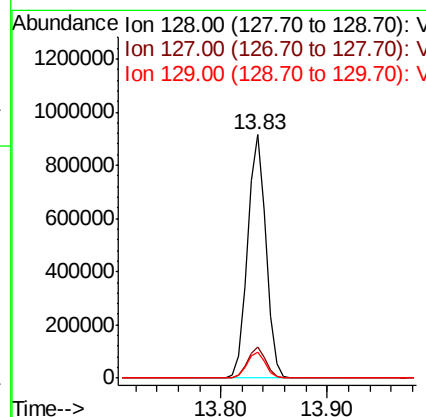
RT: 13.83 min Scan# 2080

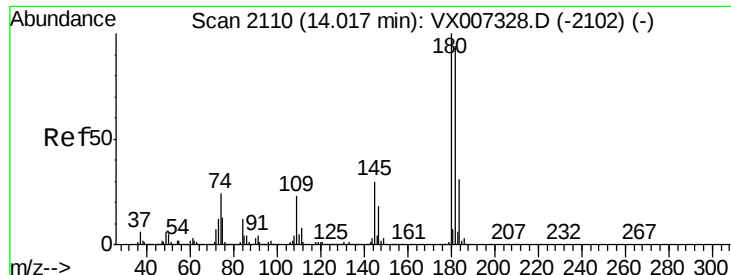
Delta R.T. 0.00 min

Lab File: VX007534.D

Acq: 13 Feb 2019 21:24

Tgt Ion:	128	Resp:	1111110
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 47.832 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX007534.D
 Acq: 13 Feb 2019 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Tot Ion:	180	Resp:	347500
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.5	142.6
145	30.6	14.9	44.5

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:57:31 AM

