

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091118\
 Data File : VX004469.D
 Acq On : 11 Sep 2018 14:47
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:30 AM

Quant Time: Sep 12 02:18:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	237625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	446757	145.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.62%	
35) Dibromofluoromethane	5.50	113	425945	137.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.64%	
50) Toluene-d8	8.72	98	1512486	145.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.80%	
62) 4-Bromofluorobenzene	11.14	95	591780	159.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	318.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	365129	163.95	ug/l	94
3) Chloromethane	1.32	50	486694	158.80	ug/l	95
4) Vinyl Chloride	1.40	62	502170	159.64	ug/l	100
7) Trichlorofluoromethane	1.91	101	645952	154.90	ug/l	86
8) Diethyl Ether	2.18	74	299203	160.04	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	405585	153.31	ug/l	98
10) Methyl Iodide	2.50	142	520090	178.76	ug/l	99
11) Tert butyl alcohol	3.10	59	589477	806.28	ug/l	99
12) 1,1-Dichloroethene	2.36	96	391068	157.51	ug/l	95
13) Acrolein	2.29	56	260856	903.87	ug/l	100
14) Allyl chloride	2.72	41	812522	159.18	ug/l	94
15) Acrylonitrile	3.15	53	1417140	804.93	ug/l	98
16) Acetone	2.45	43	1088607	727.95	ug/l	97
17) Carbon Disulfide	2.56	76	1222925	170.40	ug/l	100
18) Methyl Acetate	2.78	43	633051	150.88	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	1373424	157.65	ug/l	99
20) Methylene Chloride	2.85	84	460619	150.15	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	439308	160.12	ug/l	90
22) Diisopropyl ether	3.87	45	1463242	159.16	ug/l	96
23) Vinyl Acetate	3.82	43	6252046	840.35	ug/l	98
24) 1,1-Dichloroethane	3.69	63	835495	160.97	ug/l	99
25) 2-Butanone	4.71	43	1835167	771.07	ug/l	93
26) 2,2-Dichloropropane	4.58	77	565316	158.57	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	502163	163.96	ug/l	97
28) Bromochloromethane	5.03	49	362824	152.82	ug/l	97
29) Tetrahydrofuran	5.16	42	1179542	821.81	ug/l	97
30) Chloroform	5.21	83	769250	151.80	ug/l	98
31) Cyclohexane	5.57	56	747618	168.68	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	676722	165.81	ug/l	99
36) 1,1-Dichloropropene	5.80	75	573060	139.25	ug/l	99
37) Ethyl Acetate	4.87	43	685937	146.55	ug/l	100
38) Carbon Tetrachloride	5.78	117	556033	138.34	ug/l	96
39) Methylcyclohexane	7.46	83	704507	164.05	ug/l	98
40) Benzene	6.14	78	1673611	137.07	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091118\
 Data File : VX004469.D
 Acq On : 11 Sep 2018 14:47
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:30 AM

Quant Time: Sep 12 02:18:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.06	41	397226	154.04	ug/l	97
42) 1,2-Dichloroethane	6.20	62	553292	136.63	ug/l	98
43) Isopropyl Acetate	6.47	43	971288	156.24	ug/l	98
44) Trichloroethene	7.21	130	465580	146.77	ug/l	96
45) 1,2-Dichloropropane	7.52	63	437109	148.78	ug/l	99
46) Dibromomethane	7.66	93	278106	149.83	ug/l	98
47) Bromodichloromethane	7.90	83	549928	156.67	ug/l	99
48) Methyl methacrylate	7.78	41	510558	165.95	ug/l	96
49) 1,4-Dioxane	7.76	88	230167	3160.95	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	3268670	745.08	ug/l	99
52) Toluene	8.79	92	1057192	146.96	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	647518	157.92	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	687723	164.53	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	425341	137.32	ug/l	97
56) Ethyl methacrylate	9.18	69	707670	161.50	ug/l	98
57) 1,3-Dichloropropane	9.37	76	718600	142.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1741014	866.05	ug/l	95
59) 2-Hexanone	9.50	43	2534255	753.12	ug/l	99
60) Dibromochloromethane	9.59	129	462288	158.53	ug/l	100
61) 1,2-Dibromoethane	9.68	107	451045	152.43	ug/l	99
64) Tetrachloroethene	9.34	164	516312	127.19	ug/l	97
65) Chlorobenzene	10.14	112	1207587	149.52	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	435331	156.31	ug/l	99
67) Ethyl Benzene	10.26	91	2092429	159.34	ug/l	99
68) m/p-Xylenes	10.36	106	1632082	322.64	ug/l	98
69) o-Xylene	10.70	106	800176	164.54	ug/l	99
70) Styrene	10.71	104	1368795	169.89	ug/l	98
71) Bromoform	10.86	173	396194	173.25	ug/l	99
73) Isopropylbenzene	11.02	105	2116475	152.96	ug/l	100
74) N-amyl acetate	10.90	43	976538	167.68	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	674917	151.22	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	609323m	148.43	ug/l	
77) Bromobenzene	11.26	156	576161	150.65	ug/l	98
78) n-propylbenzene	11.37	91	2484052	156.14	ug/l	100
79) 2-Chlorotoluene	11.43	91	1453988	150.69	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1847847	158.86	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	232687	175.46	ug/l	92
82) 4-Chlorotoluene	11.51	91	1754974	155.84	ug/l	100
83) tert-Butylbenzene	11.77	119	1782250	160.94	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1910043	160.83	ug/l	99
85) sec-Butylbenzene	11.95	105	2236213	158.46	ug/l	99
86) p-Isopropyltoluene	12.07	119	2033456	163.17	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	1077037	150.94	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1097598	148.87	ug/l	99
89) n-Butylbenzene	12.39	91	1884877	165.98	ug/l	99
90) Hexachloroethane	12.60	117	333071	166.95	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1095132	151.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	158007	165.80	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	847119	165.65	ug/l	99
94) Hexachlorobutadiene	13.79	225	404797	151.54	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
Data File : VX004469.D
Acq On : 11 Sep 2018 14:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

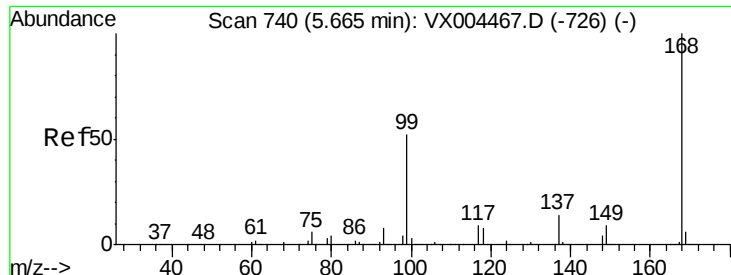
Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:30 AM

Quant Time: Sep 12 02:18:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 01:43:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.83	128	2446438	170.56	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	834213	158.78	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tot Ion: 168 Resp: 237625

Ion Ratio Lower Upper

168 100

99 52.5 39.9 59.9

Instrument :

MSVOA_X

ClientSampleId :

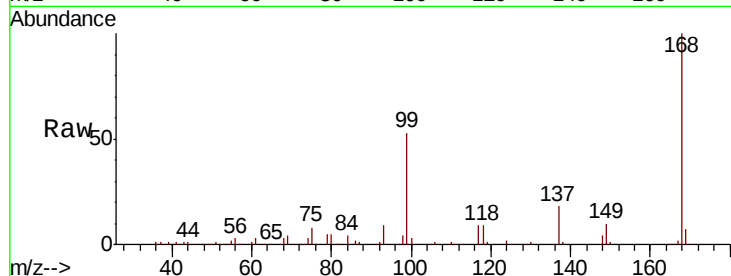
VSTDIC150

Manual Integrations

APPROVED

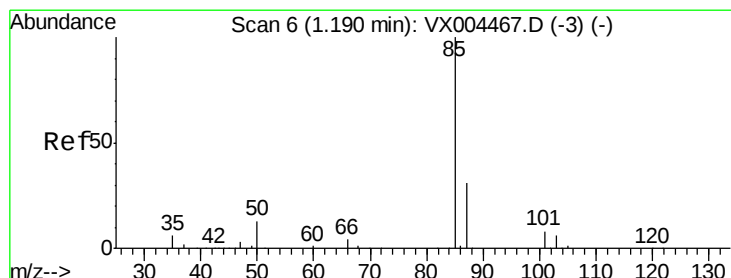
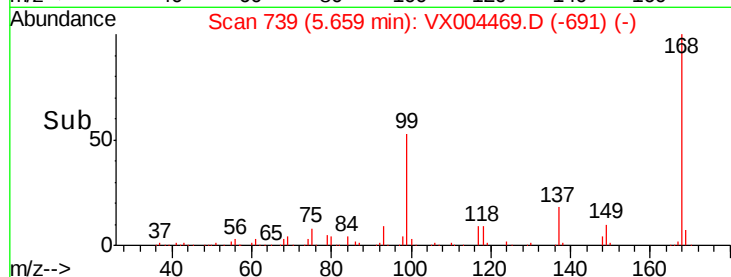
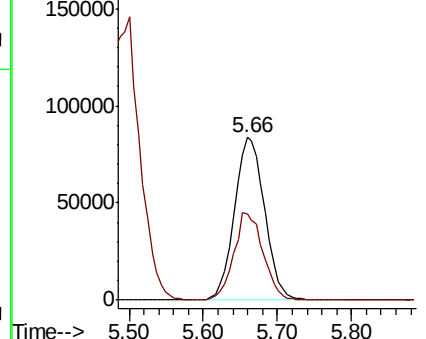
MMDadoda

9/12/2018 11:26:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 163.95 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX004469.D

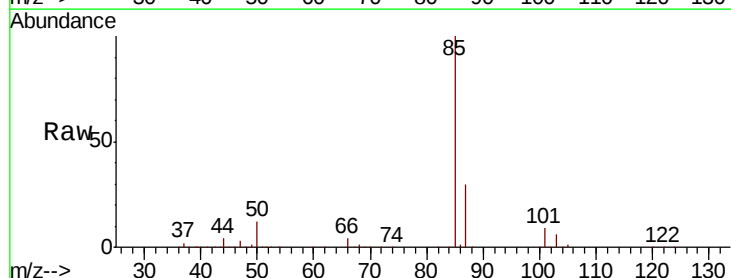
Acq: 11 Sep 2018 14:47

Tgt Ion: 85 Resp: 365129

Ion Ratio Lower Upper

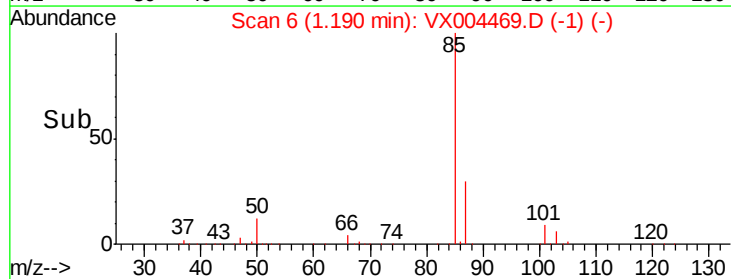
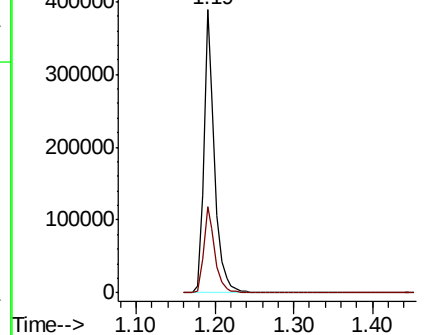
85 100

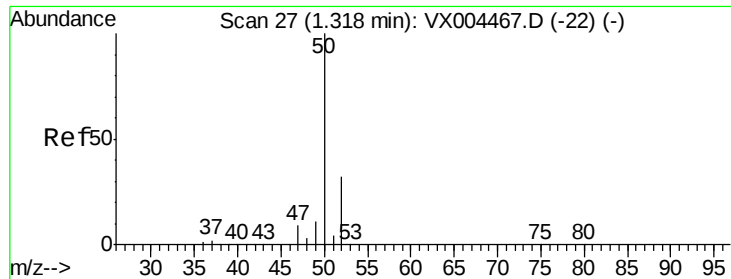
87 30.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 158.80 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 486694

Ion Ratio Lower Upper

50 100

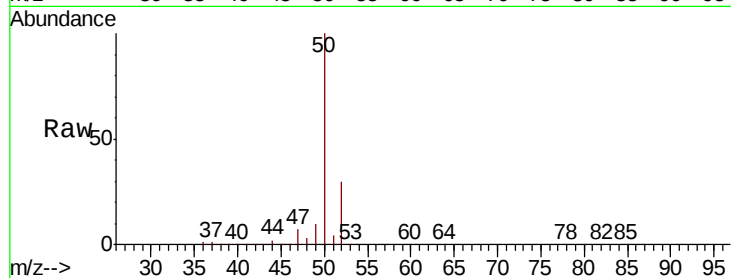
52 30.0 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

9/12/2018 11:26:30 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400000

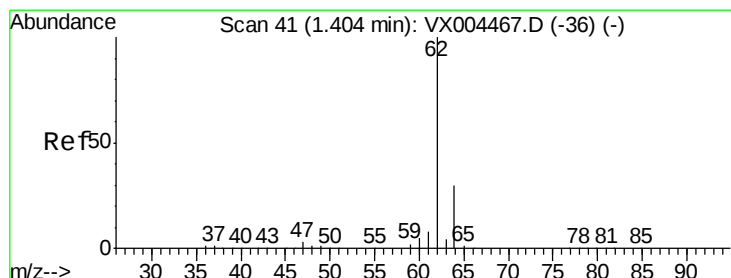
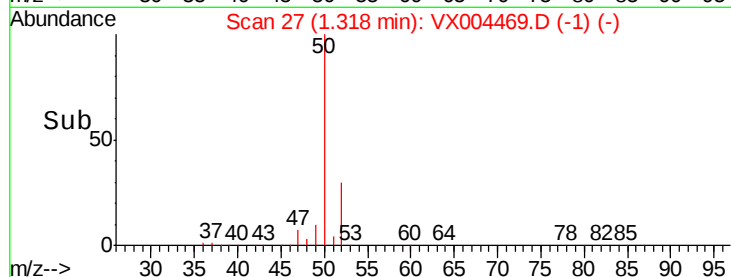
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 159.64 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004469.D

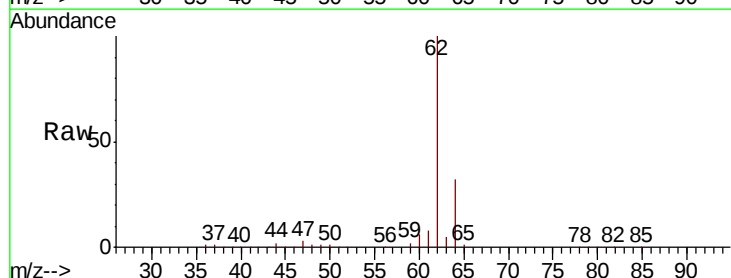
Acq: 11 Sep 2018 14:47

Tgt Ion: 62 Resp: 502170

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

400000

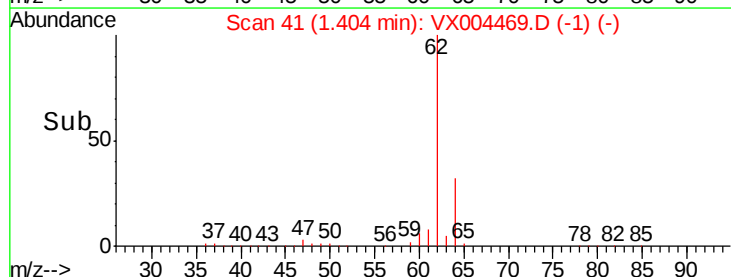
300000

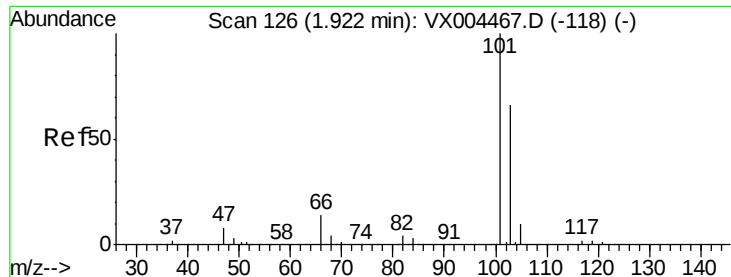
200000

100000

0

Time-->





#7

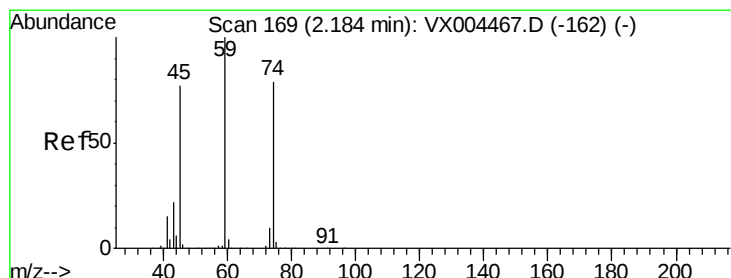
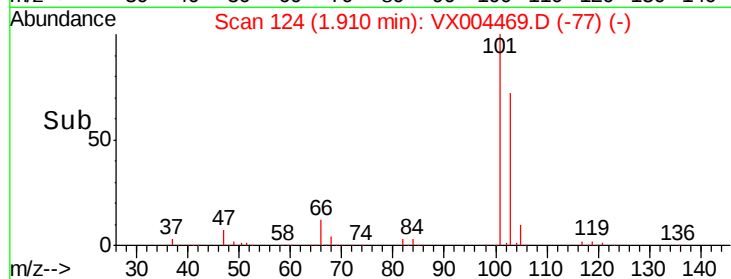
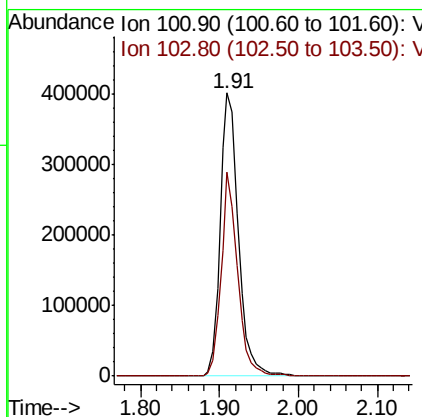
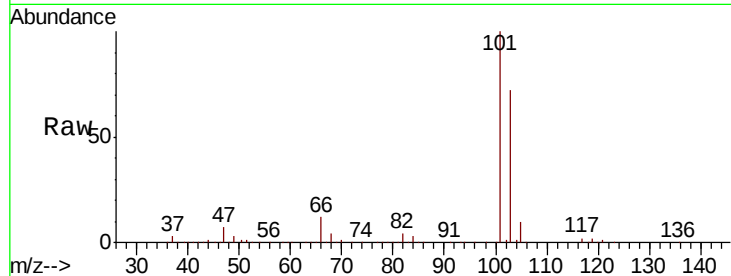
Trichlorofluoromethane
Concen: 154.90 ug/l
RT: 1.91 min Scan# 124
Delta R.T. -0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		645952		
103	71.9	48.9	73.3		

Manual Integrations
APPROVED

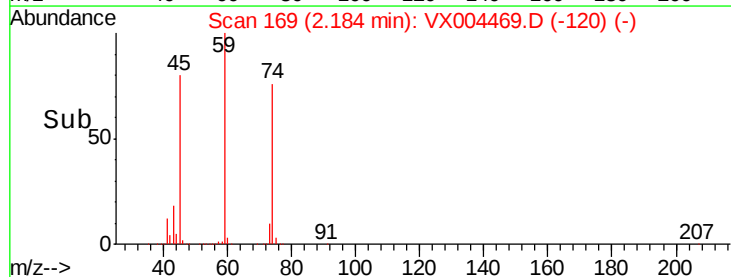
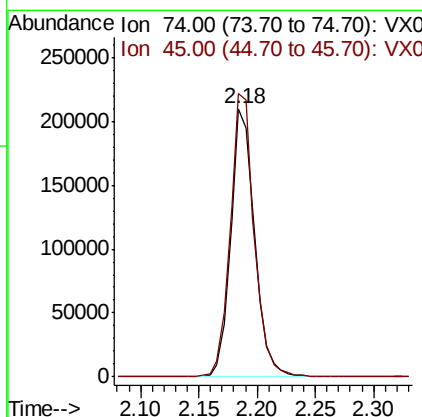
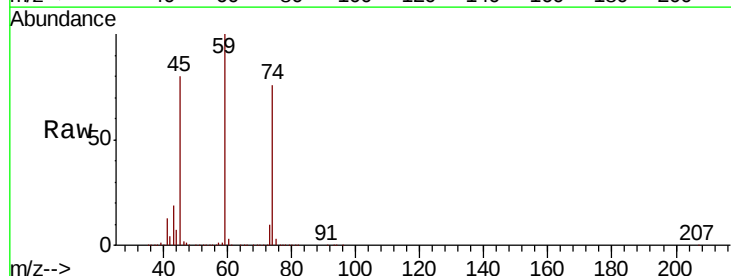
MMDadoda
9/12/2018 11:26:30 AM

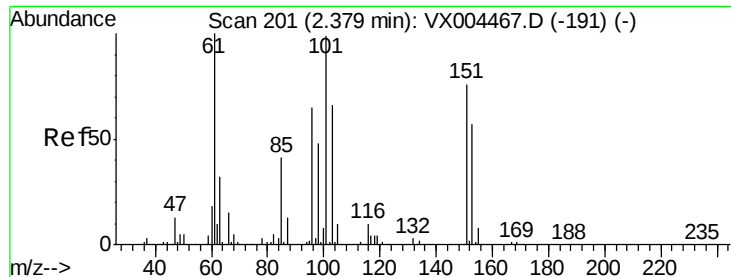


#8

Diethyl Ether
Concen: 160.04 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		299203		
45	106.4	48.3	144.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.31 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

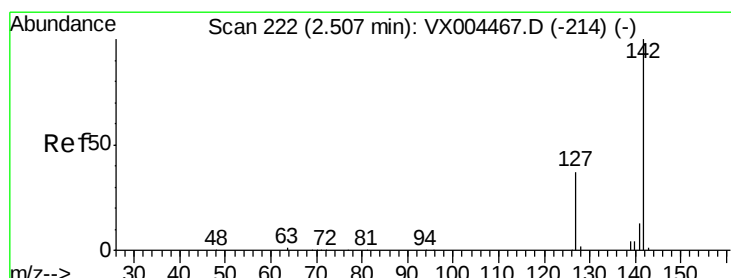
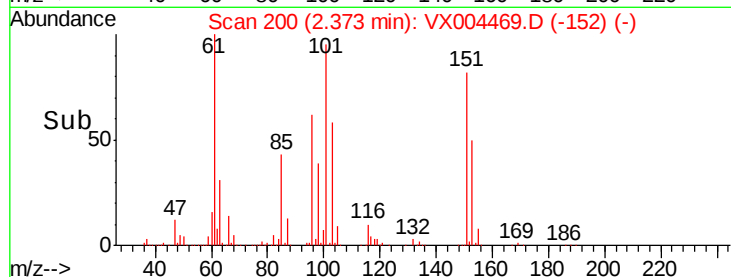
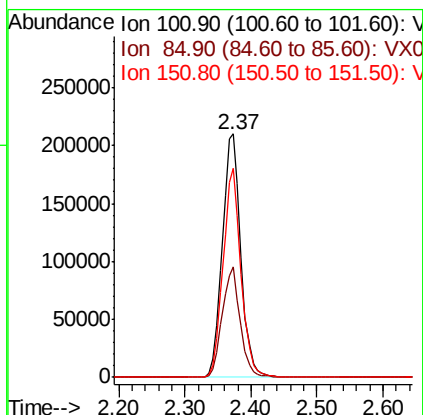
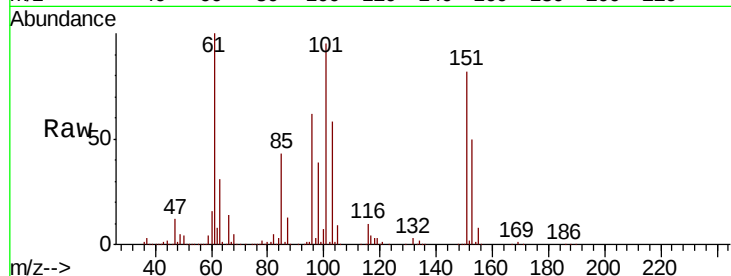
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	405585
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.2	51.4
151	83.2	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:30 AM



#10

Methyl Iodide

Concen: 178.76 ug/l

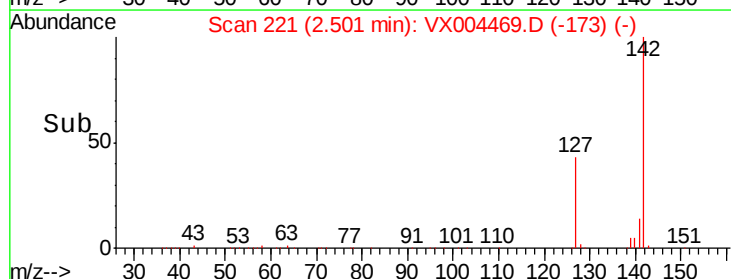
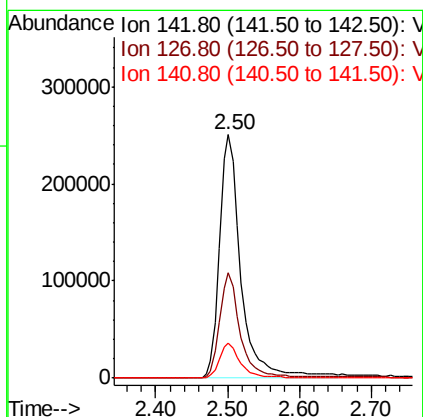
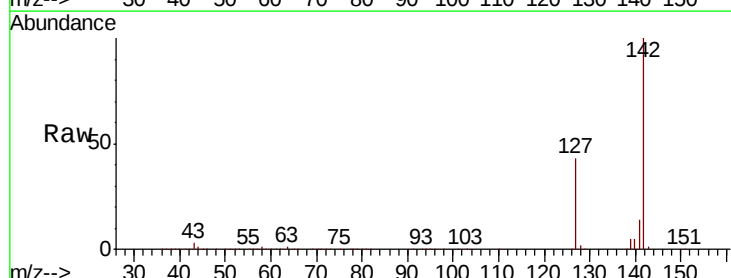
RT: 2.50 min Scan# 221

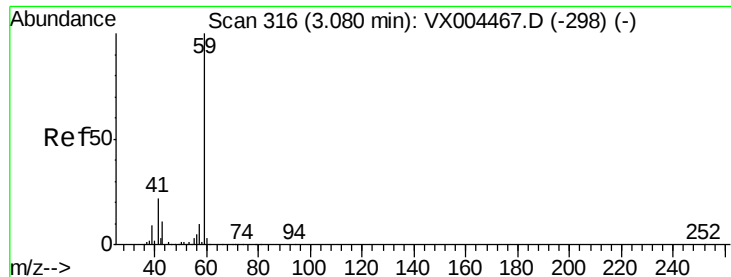
Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tgt Ion:	142	Resp:	520090
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.8	50.6
141	14.2	11.4	17.0





#11

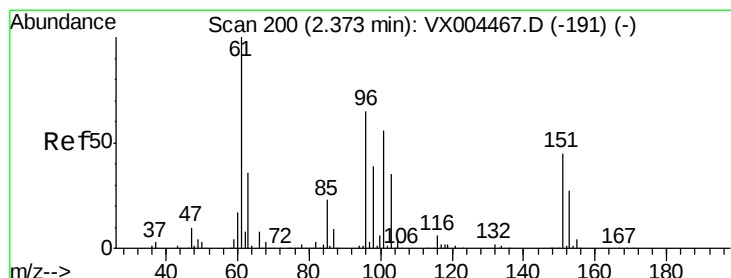
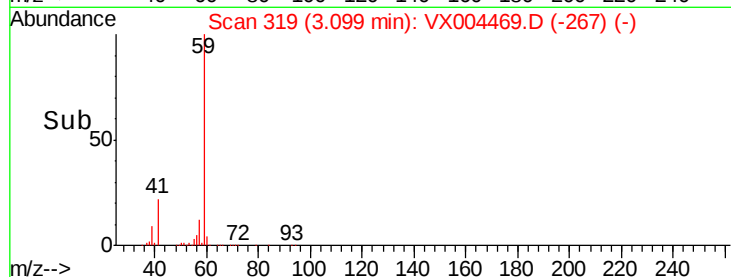
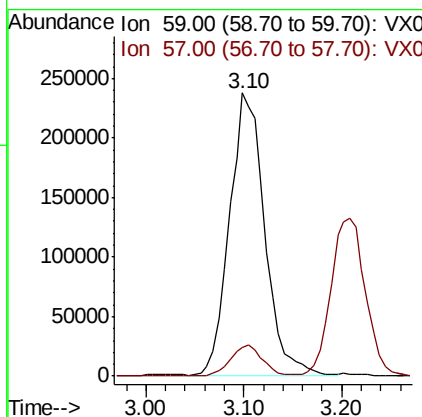
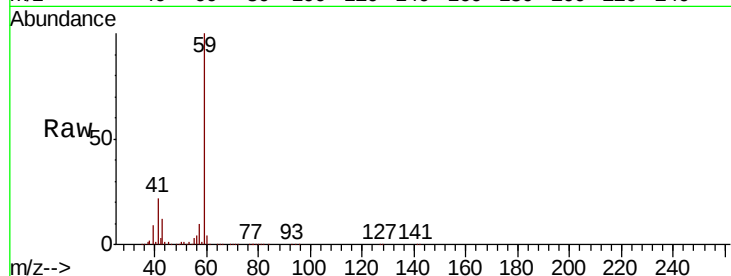
Tert butyl alcohol
Concen: 806.28 ug/l
RT: 3.10 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
APPROVED

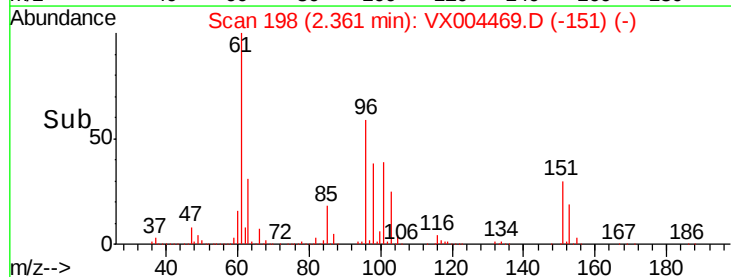
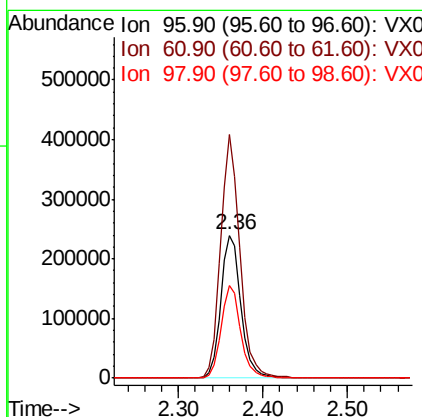
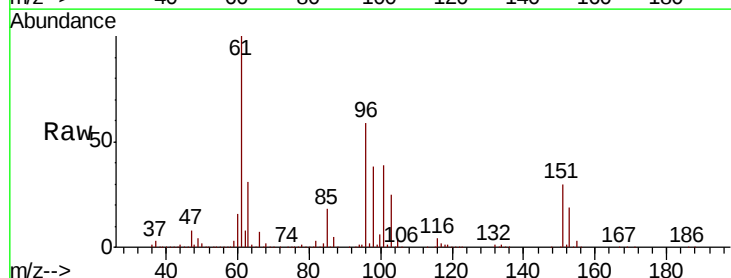
MMDadoda
9/12/2018 11:26:30 AM

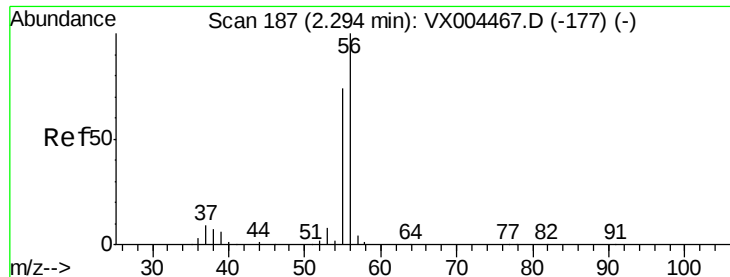


#12

1,1-Dichloroethene
Concen: 157.51 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.5	128.8	193.2
98	64.8	52.2	78.2





#13

Acrolein

Concen: 903.87 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 260856

Ion Ratio Lower Upper

56 100

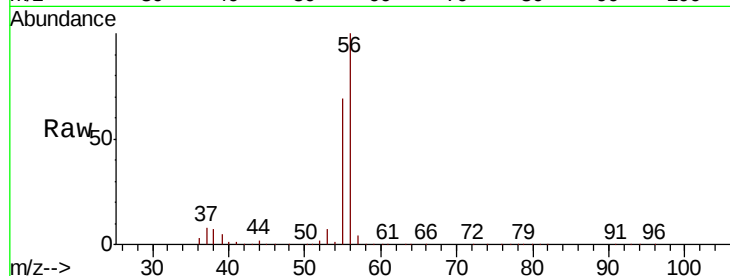
55 68.5 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

9/12/2018 11:26:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

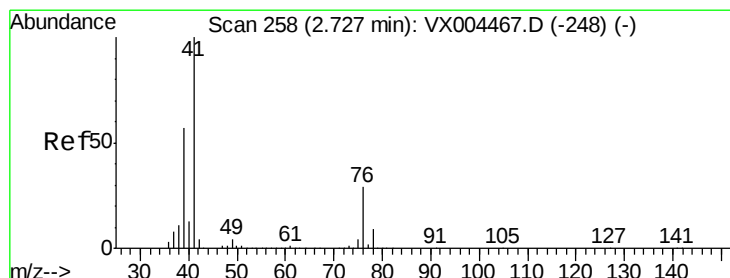
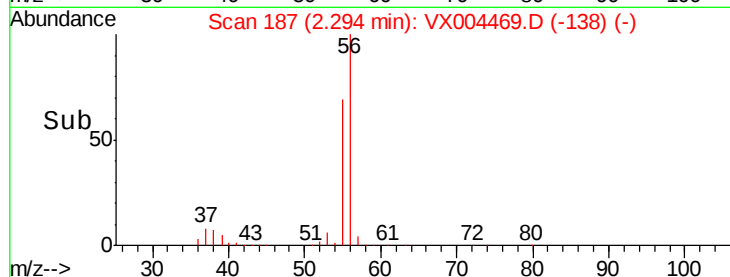
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 159.18 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

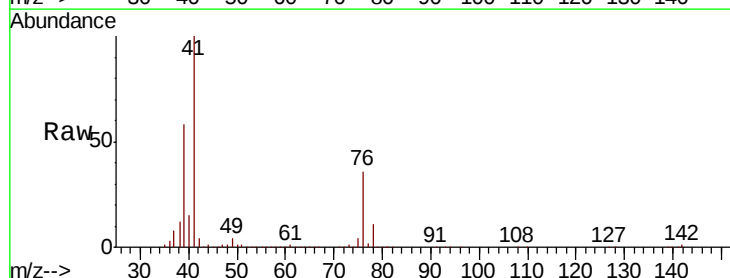
Tgt Ion: 41 Resp: 812522

Ion Ratio Lower Upper

41 100

39 55.2 48.9 73.3

76 32.4 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

600000

500000

400000

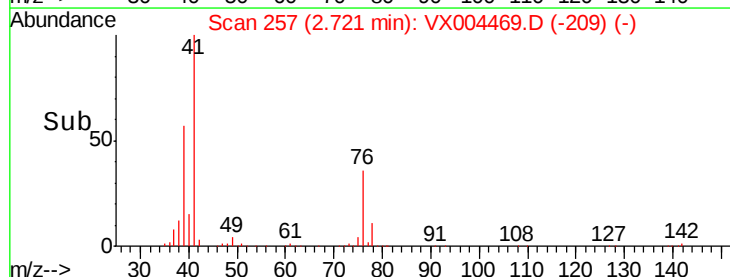
300000

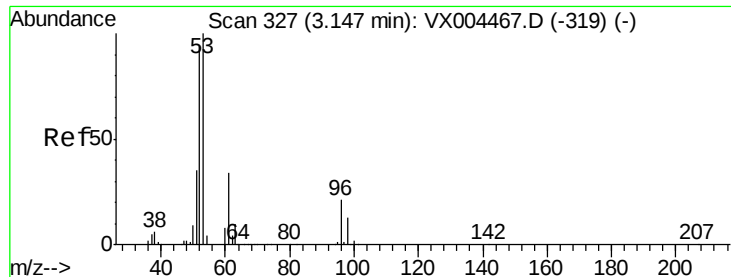
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 804.93 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1417140

Ion Ratio Lower Upper

53 100

52 79.9 65.2 97.8

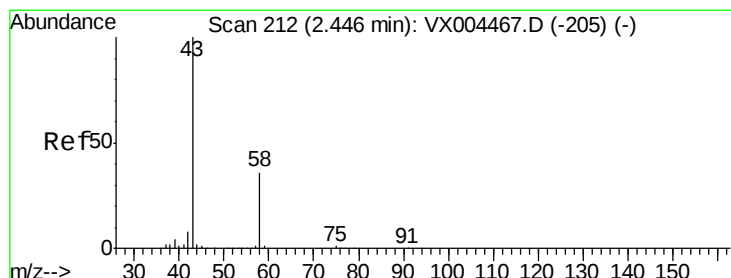
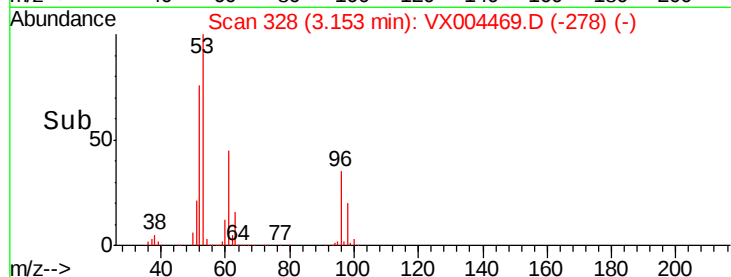
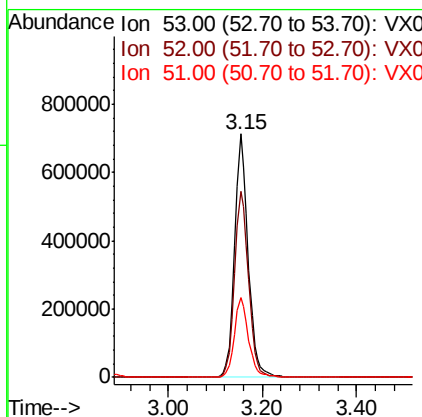
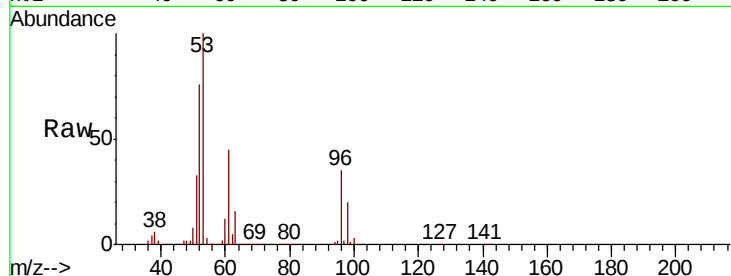
51 34.6 28.2 42.2

Manual Integrations

APPROVED

MMDadoda

9/12/2018 11:26:30 AM



#16

Acetone

Concen: 727.95 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004469.D

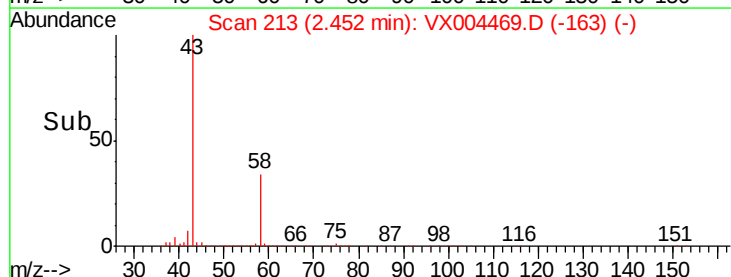
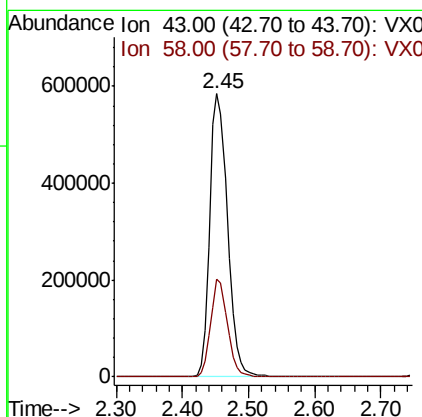
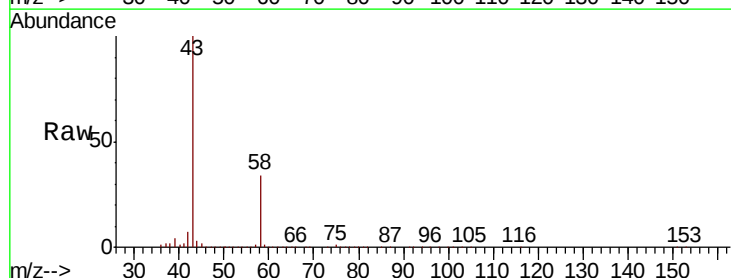
Acq: 11 Sep 2018 14:47

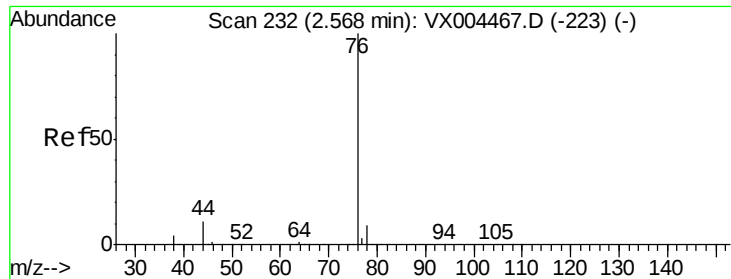
Tgt Ion: 43 Resp: 1088607

Ion Ratio Lower Upper

43 100

58 34.3 26.2 39.4





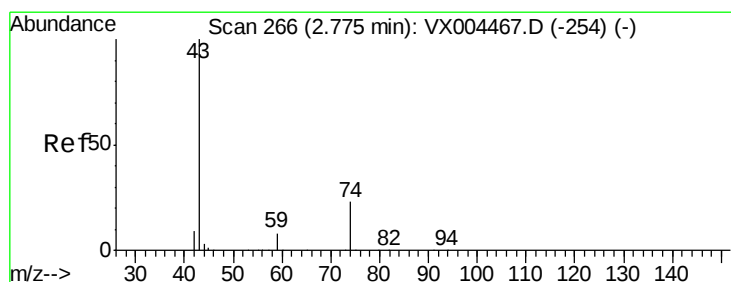
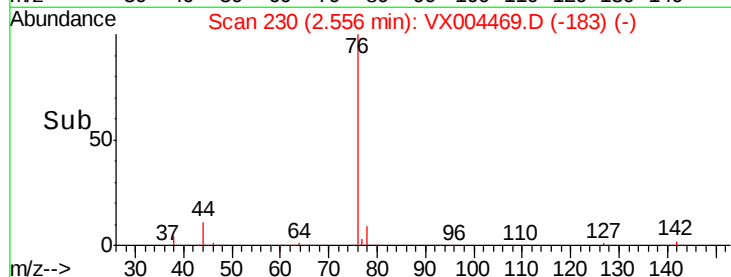
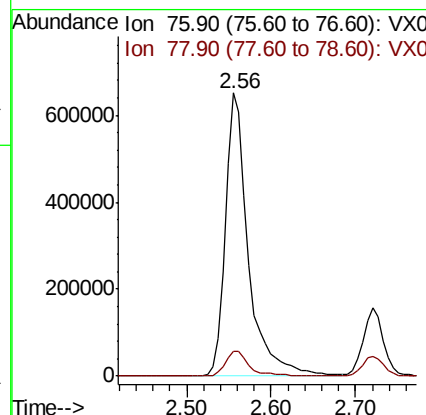
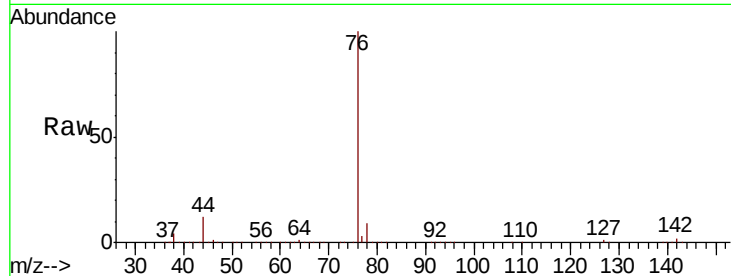
#17
Carbon Disulfide
Concen: 170.40 ug/l
RT: 2.56 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 76 Resp: 1222925
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

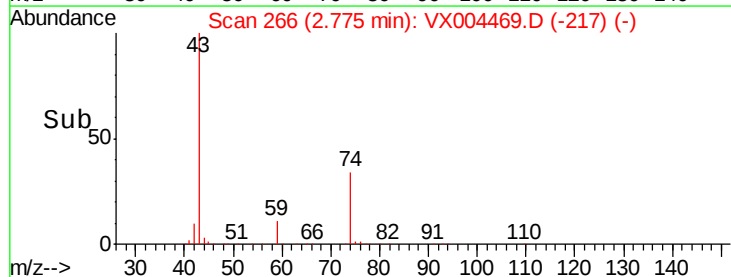
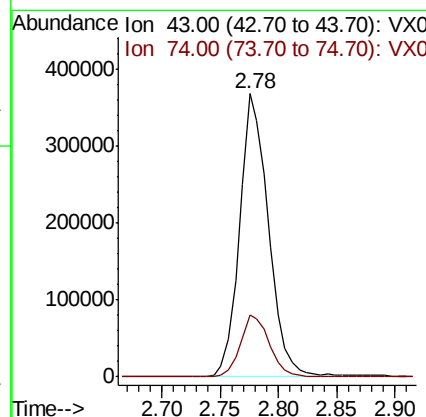
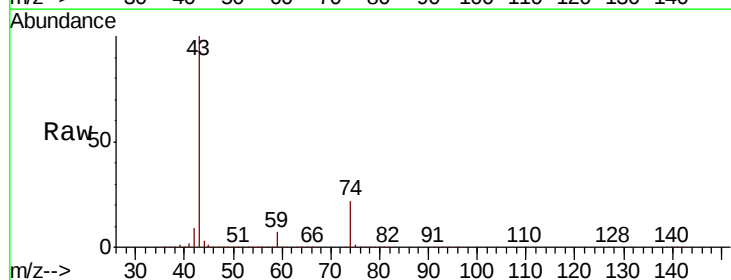
Manual Integrations
APPROVED

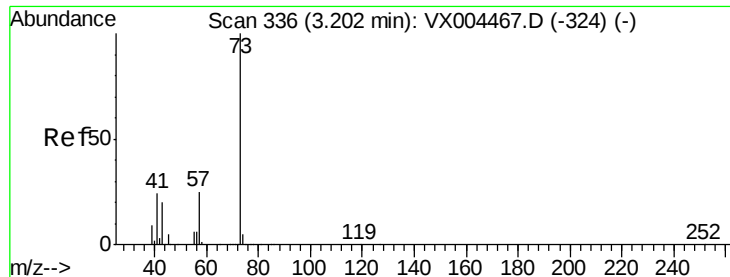
MMDadoda
9/12/2018 11:26:30 AM



#18
Methyl Acetate
Concen: 150.88 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion: 43 Resp: 633051
Ion Ratio Lower Upper
43 100
74 22.3 19.4 29.2





#19

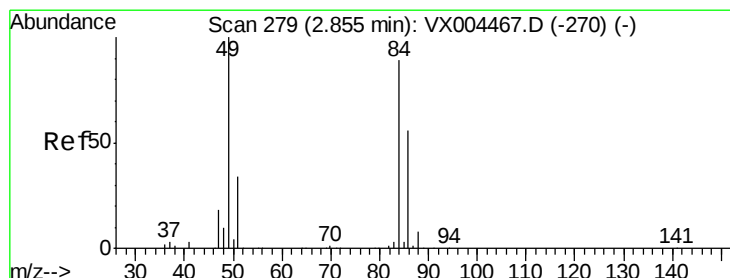
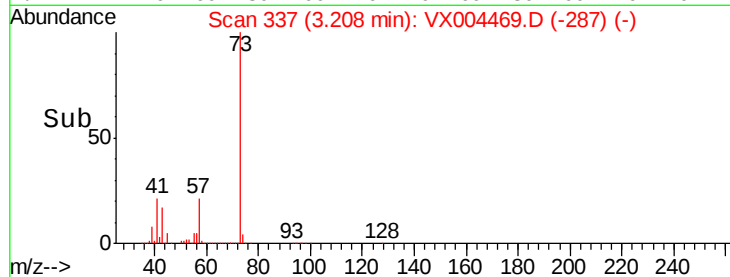
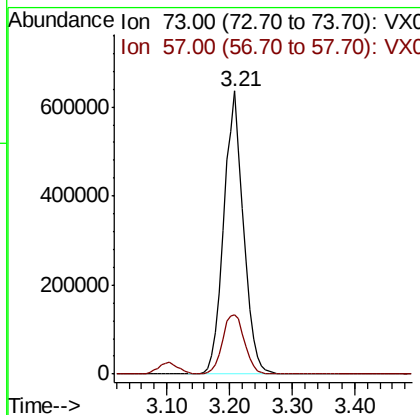
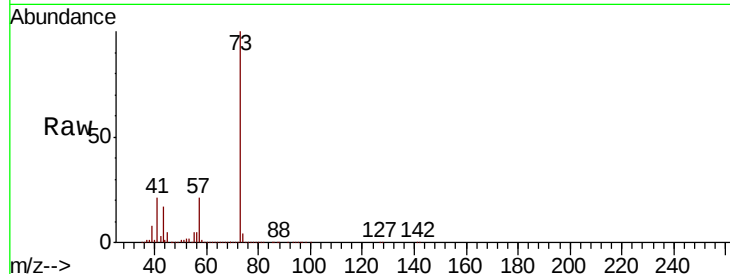
Methyl tert-butyl Ether
 Concen: 157.65 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1373424
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.1 25.7

Manual Integrations
 APPROVED

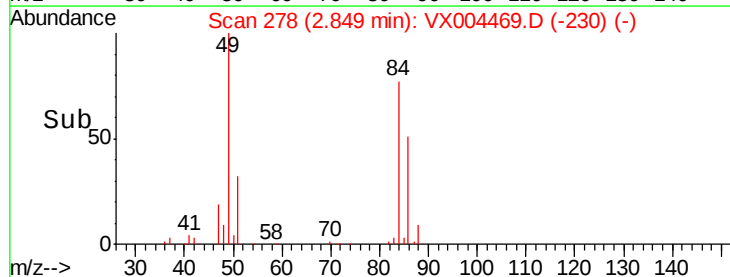
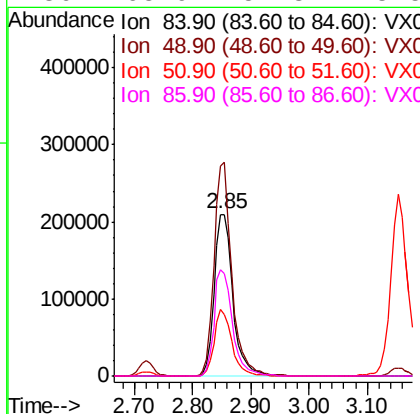
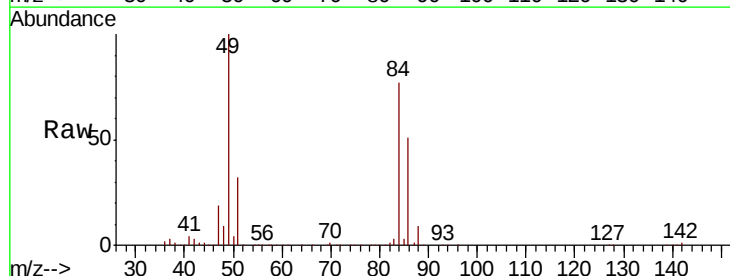
MMDadoda
 9/12/2018 11:26:30 AM

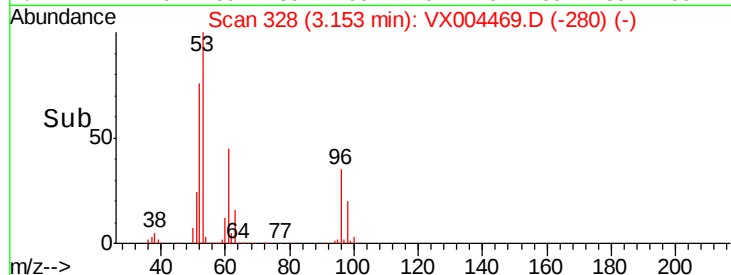
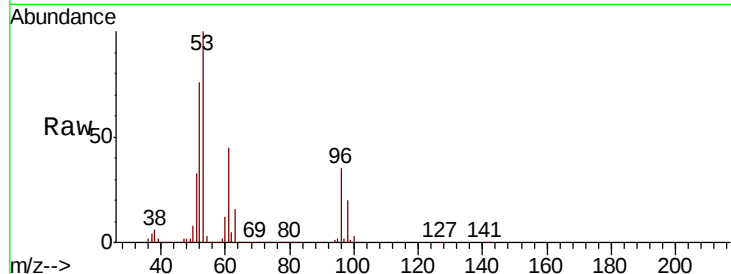
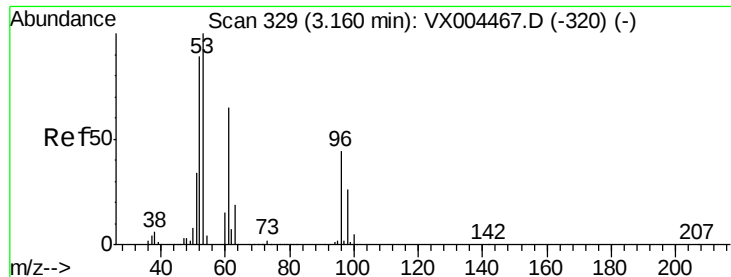


#20

Methylene Chloride
 Concen: 150.15 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. -0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion: 84 Resp: 460619
 Ion Ratio Lower Upper
 84 100
 49 129.7 101.2 151.8
 51 41.1 29.5 44.3
 86 65.9 52.3 78.5





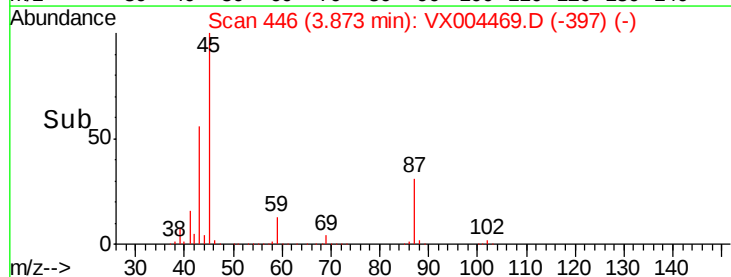
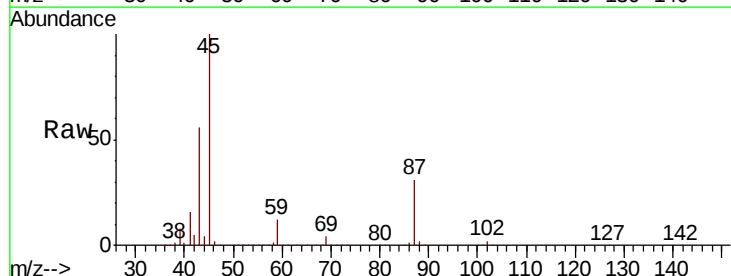
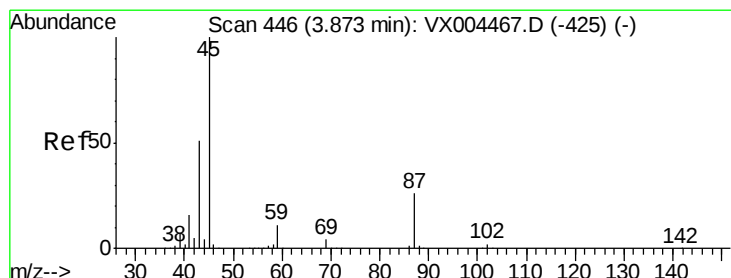
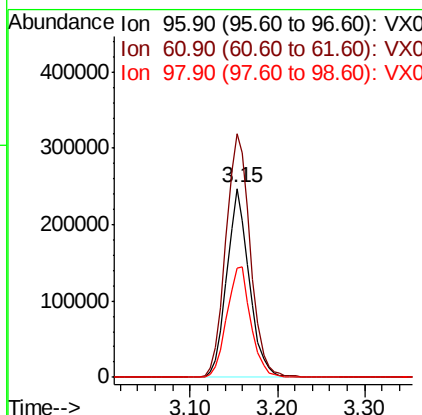
#21
trans-1,2-Dichloroethene
Concen: 160.12 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	113.8	170.6
98	57.7	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

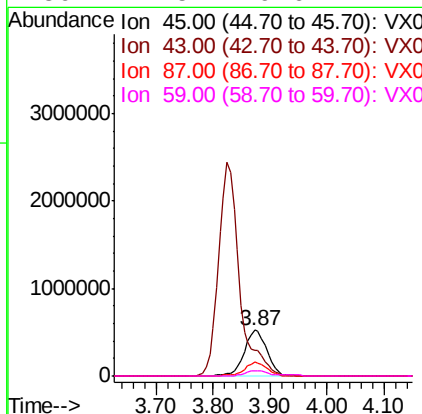
Manual Integrations
APPROVED

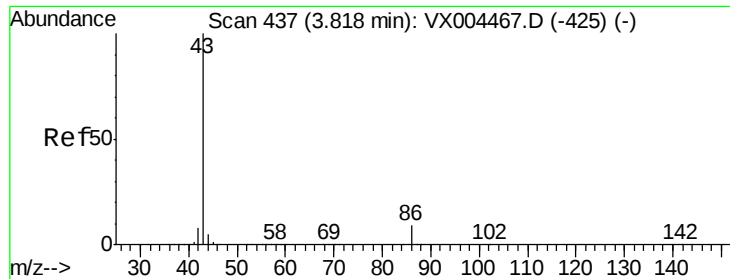
MMDadoda
9/12/2018 11:26:30 AM



#22
Diisopropyl ether
Concen: 159.16 ug/l
RT: 3.87 min Scan# 446
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.0	42.8	64.2
87	31.2	22.6	34.0
59	12.5	9.6	14.4





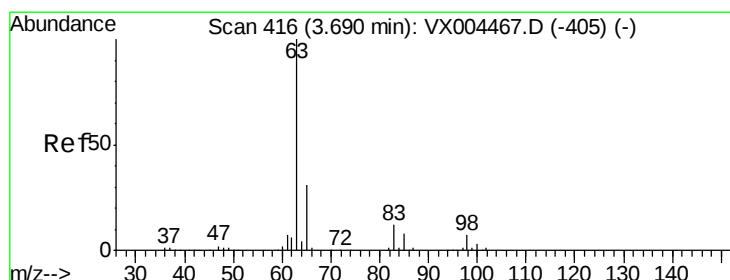
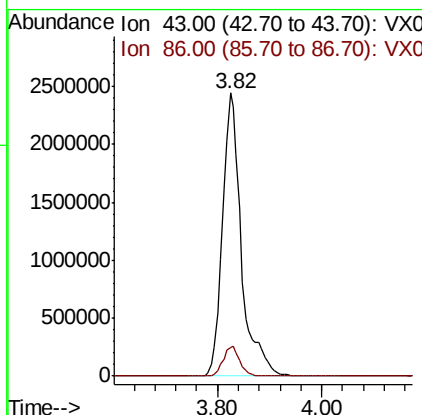
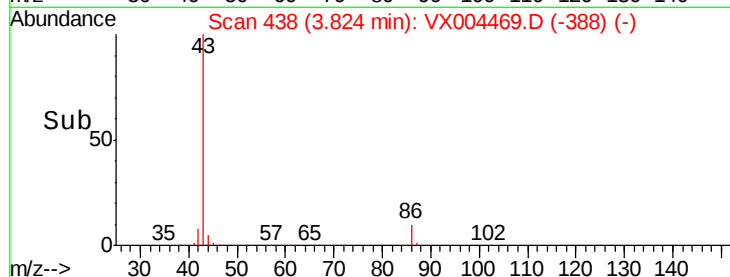
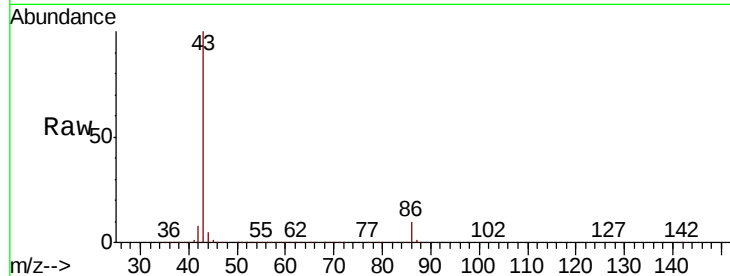
#23
 Vinyl Acetate
 Concen: 840.35 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC150

Tot Ion: 43 Resp: 6252046
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.9 13.3

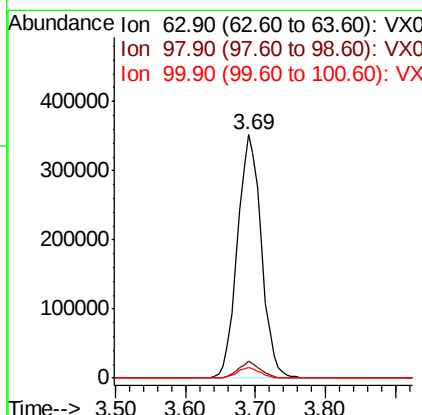
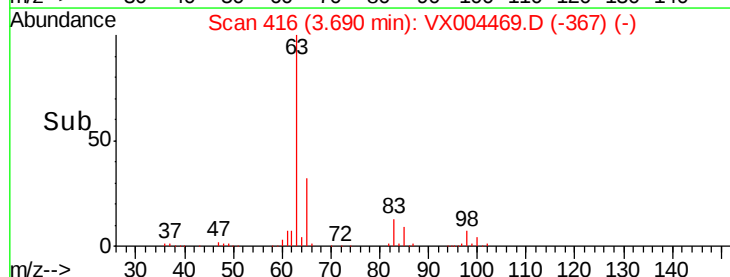
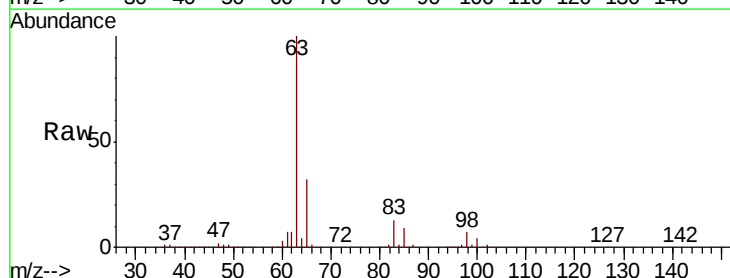
Manual Integrations
 APPROVED

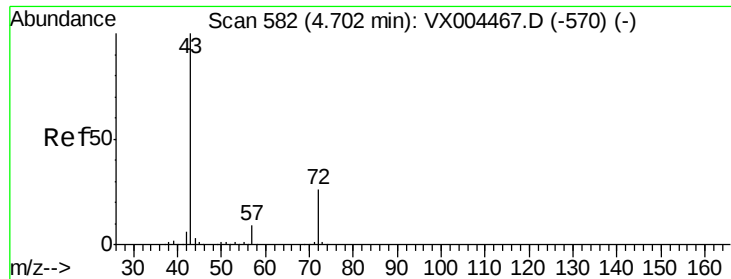
MMDadoda
 9/12/2018 11:26:30 AM



#24
 1,1-Dichloroethane
 Concen: 160.97 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion: 63 Resp: 835495
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.5 10.4
 100 4.3 2.4 7.1





#25

2-Butanone

Concen: 771.07 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1835167

Ion Ratio Lower Upper

43 100

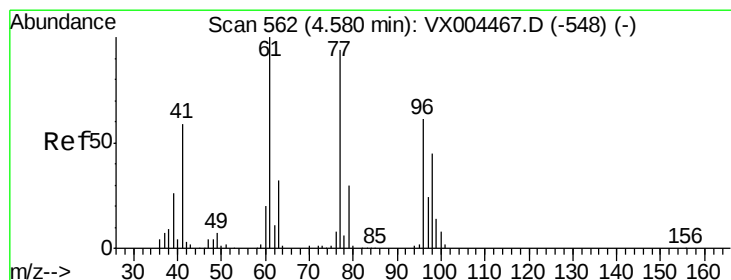
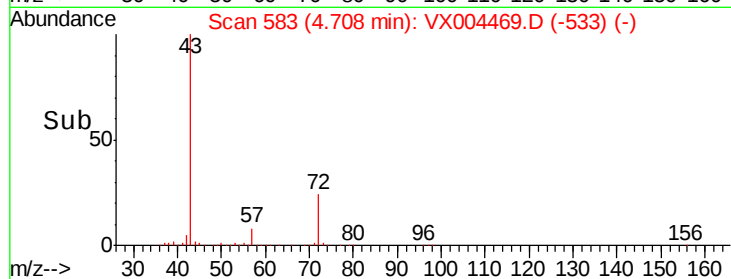
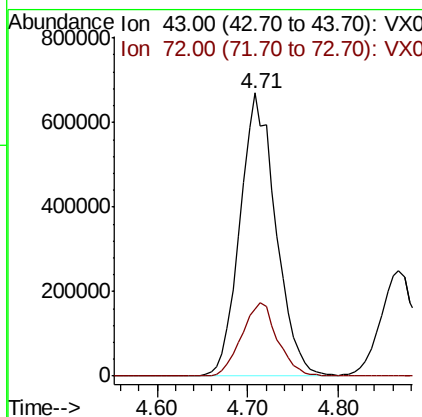
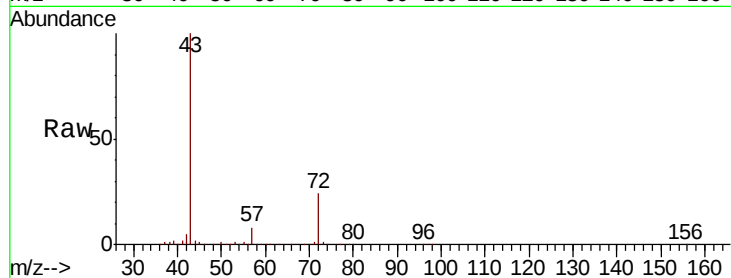
72 23.8 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

9/12/2018 11:26:30 AM



#26

2,2-Dichloropropane

Concen: 158.57 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004469.D

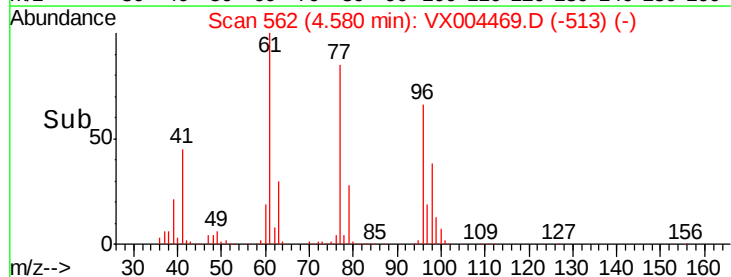
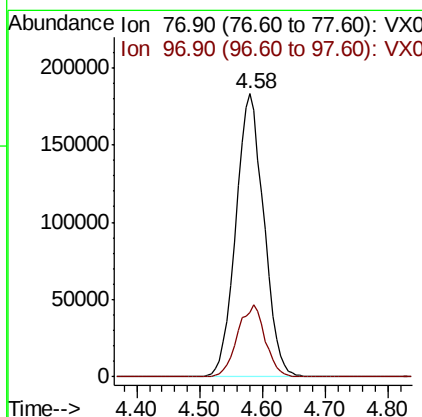
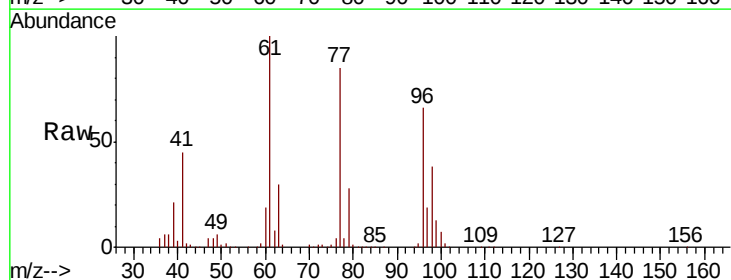
Acq: 11 Sep 2018 14:47

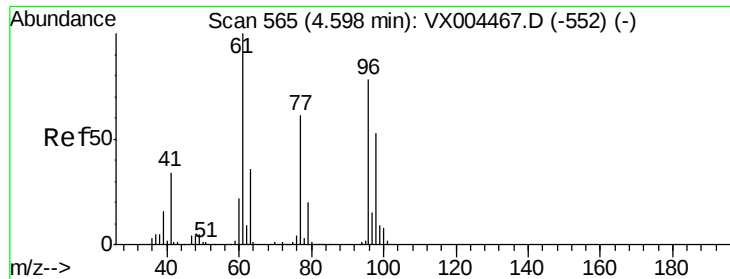
Tgt Ion: 77 Resp: 565316

Ion Ratio Lower Upper

77 100

97 25.2 11.7 35.0





#27

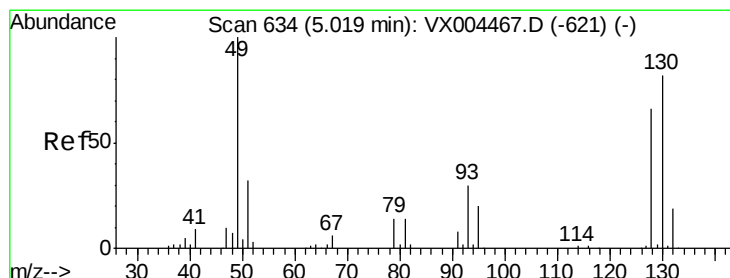
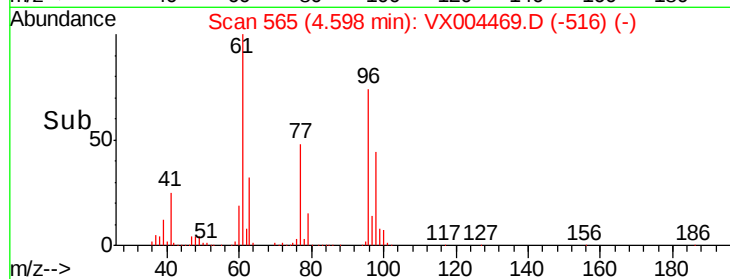
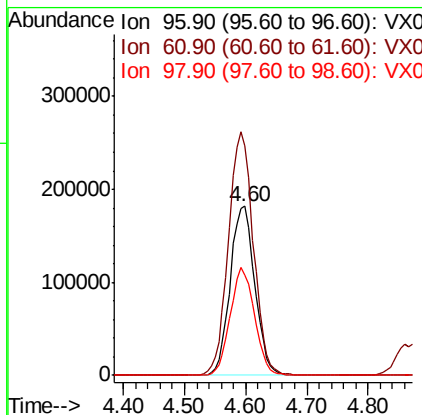
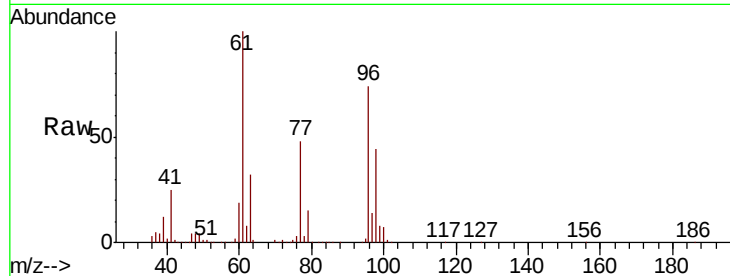
cis-1,2-Dichloroethene
 Concen: 163.96 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	502163		
61	146.0	0.0	282.6	
98	63.2	0.0	130.2	

Manual Integrations
 APPROVED

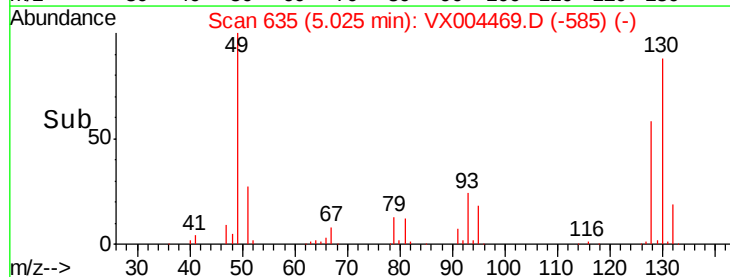
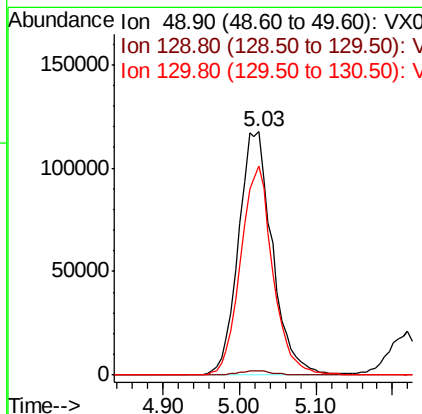
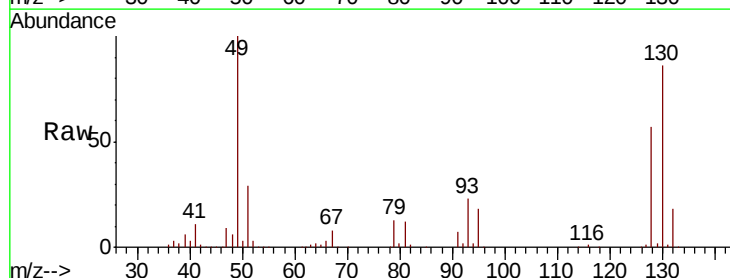
MMDadoda
 9/12/2018 11:26:30 AM

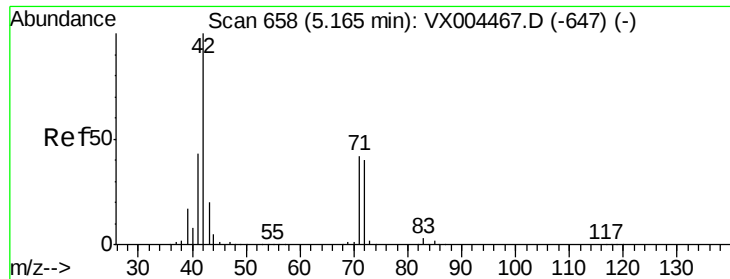


#28

Bromochloromethane
 Concen: 152.82 ug/l
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	362824		
129	1.9	0.0	4.2	
130	81.5	67.5	101.3	





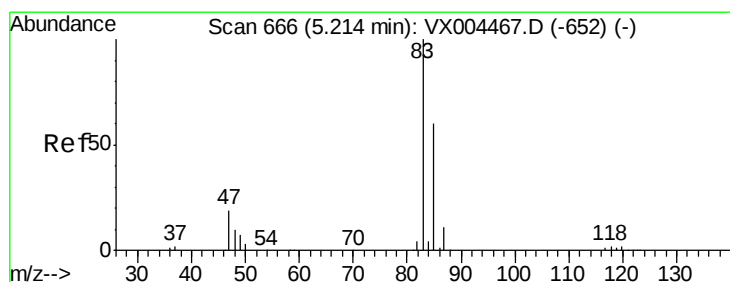
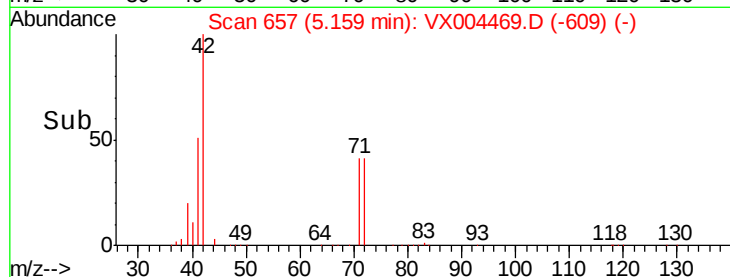
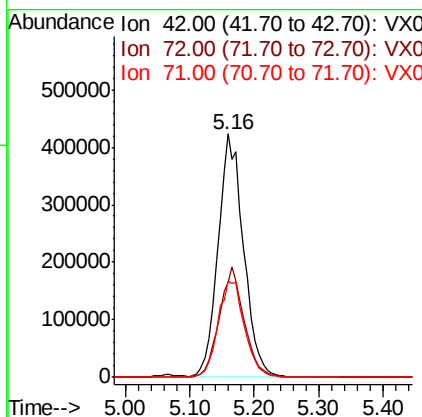
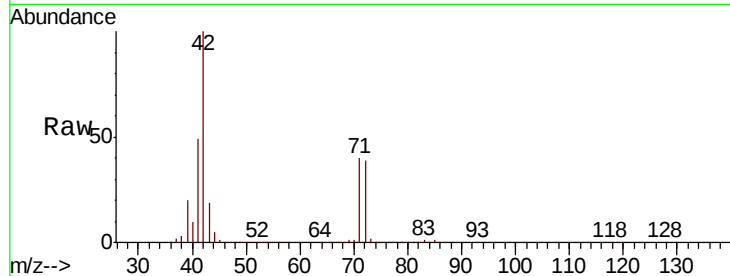
#29
Tetrahydrofuran
Concen: 821.81 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	37.4	56.0
71	41.4	34.5	51.7

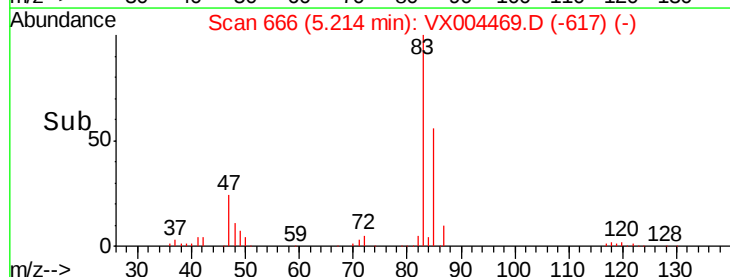
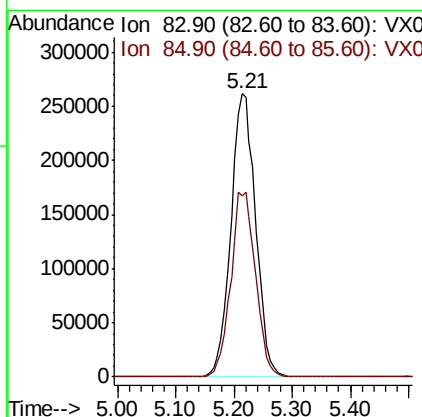
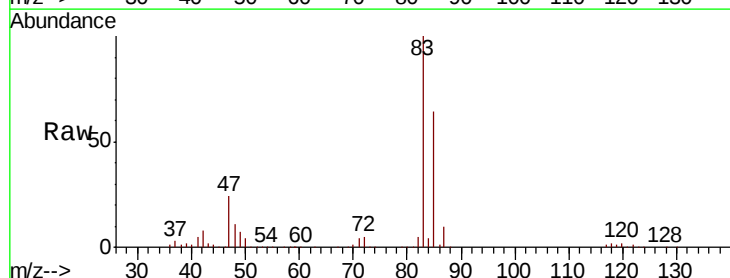
Manual Integrations
APPROVED

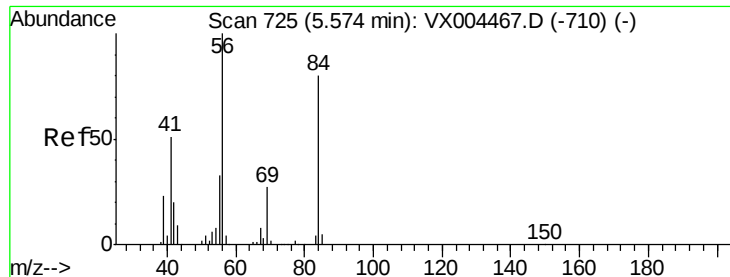
MMDadoda
9/12/2018 11:26:30 AM



#30
Chloroform
Concen: 151.80 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	79.0





#31

Cyclohexane

Concen: 168.68 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 747618

Ion Ratio Lower Upper

56 100

69 25.6 25.4 38.2

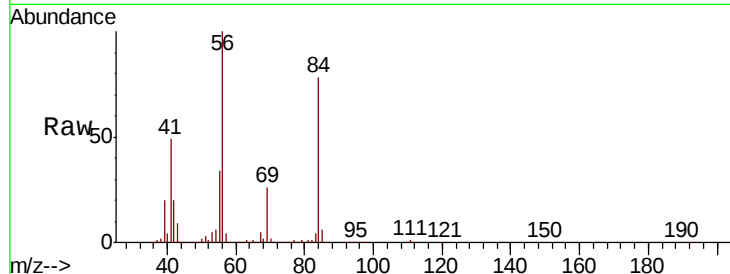
84 77.4 71.4 107.2

Manual Integrations

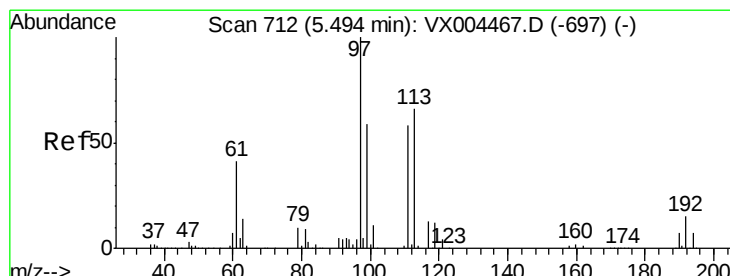
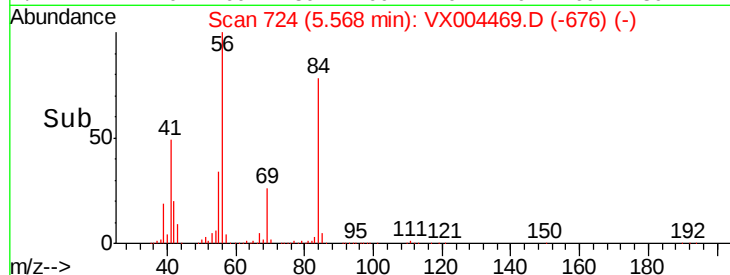
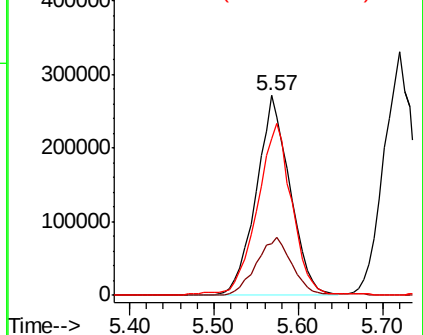
APPROVED

MMDadoda

9/12/2018 11:26:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 165.81 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

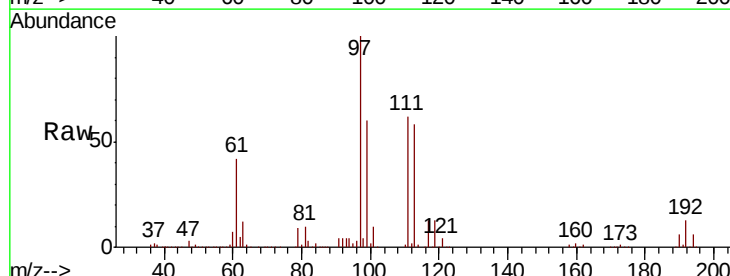
Tgt Ion: 97 Resp: 676722

Ion Ratio Lower Upper

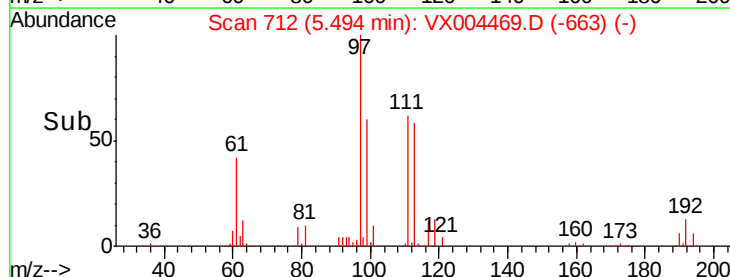
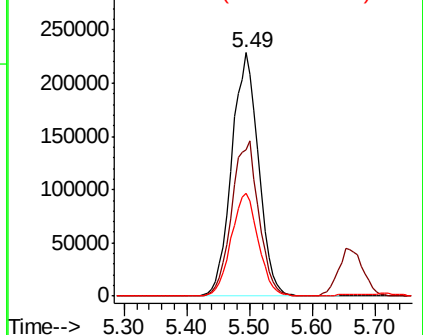
97 100

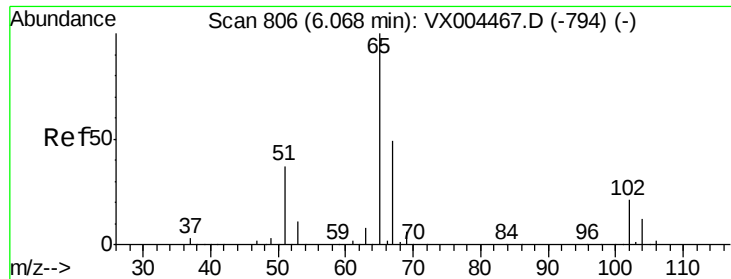
99 64.5 52.0 78.0

61 42.7 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





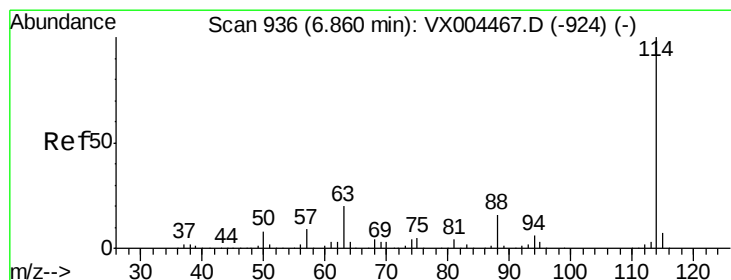
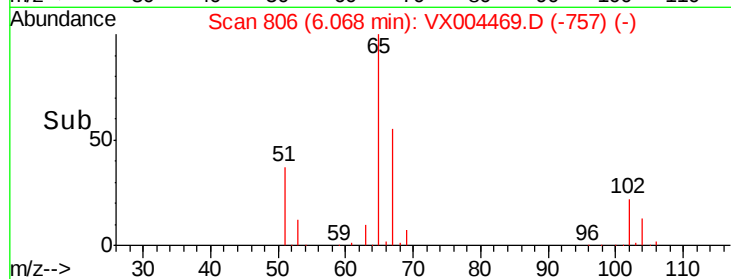
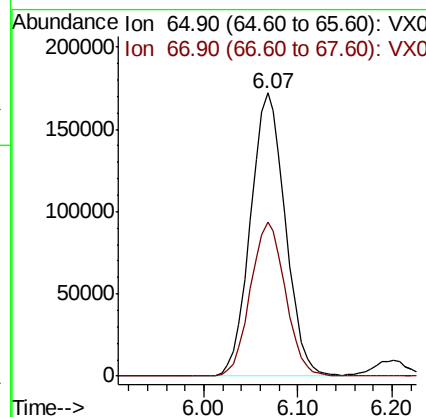
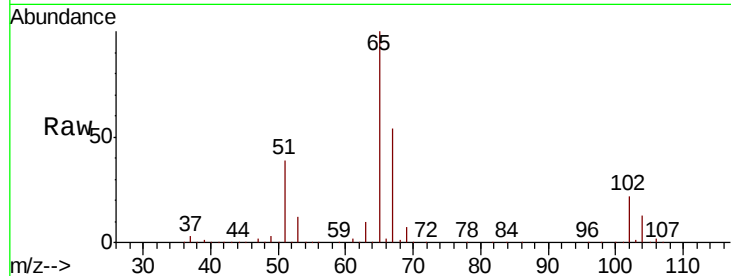
#33
 1,2-Dichloroethane-d4
 Concen: 145.81 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	106.8

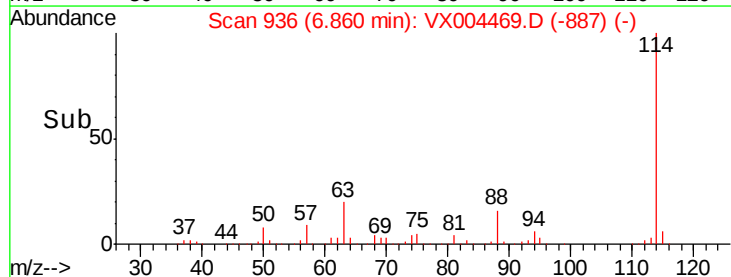
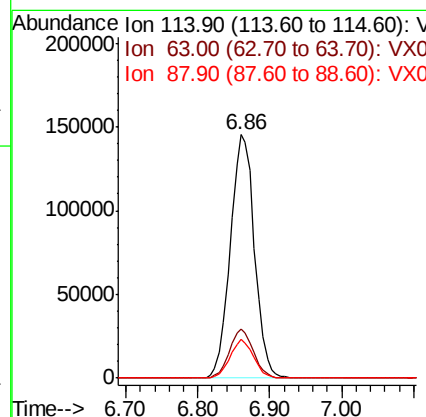
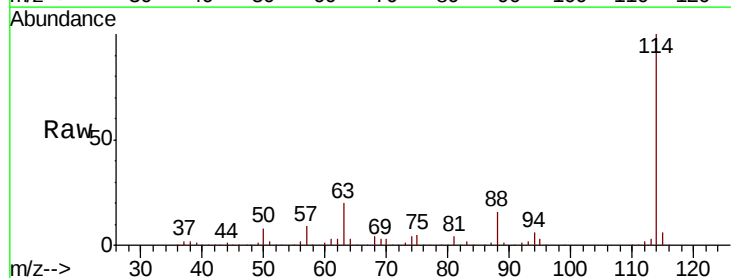
Manual Integrations
 APPROVED

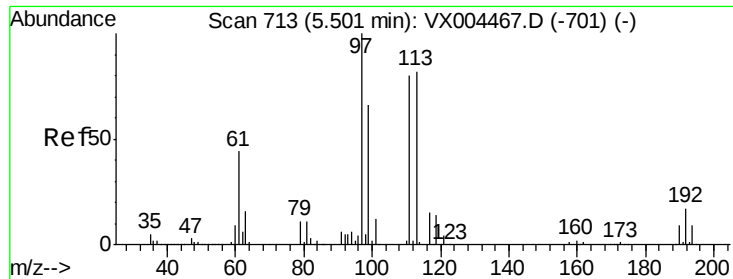
MMDadoda
 9/12/2018 11:26:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.0
88	15.9	0.0	30.4





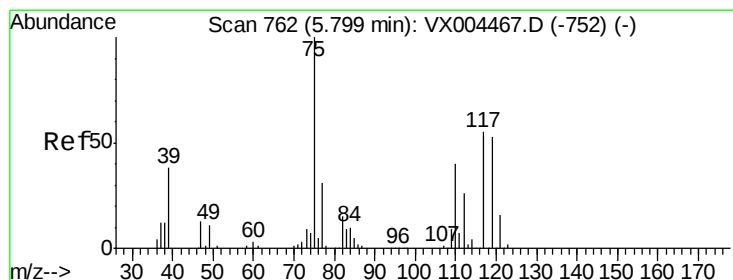
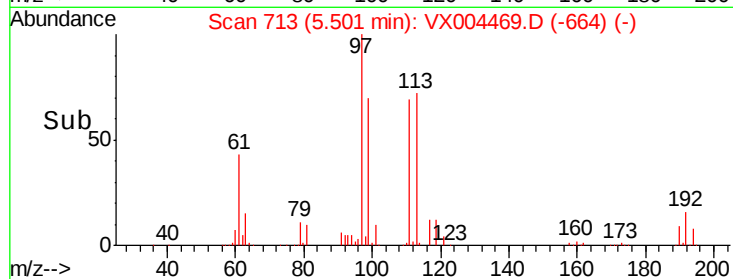
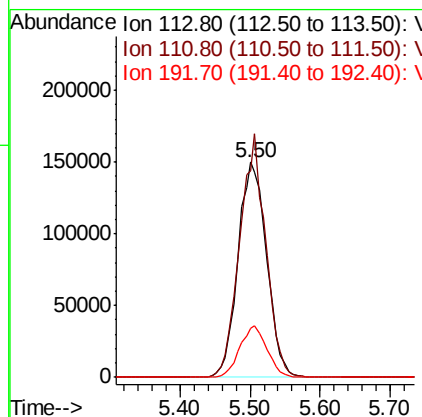
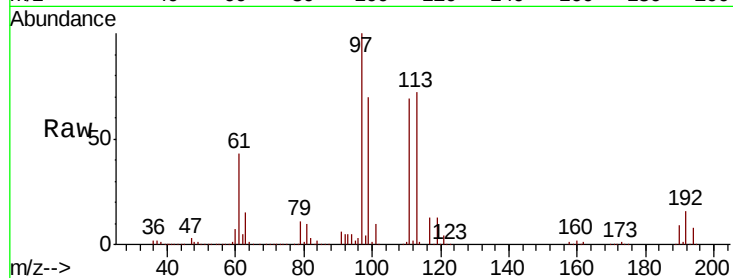
#35
 Dibromofluoromethane
 Concen: 137.32 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	425945		
111	103.0	82.4	123.6	
192	22.9	19.4	29.2	

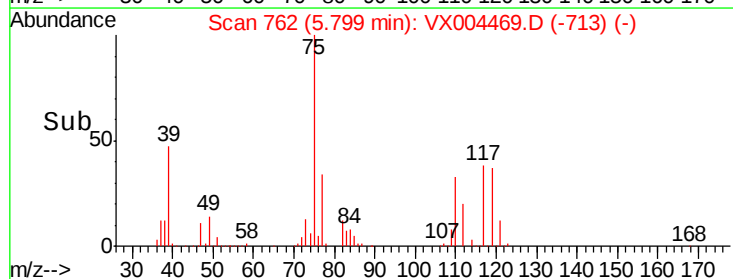
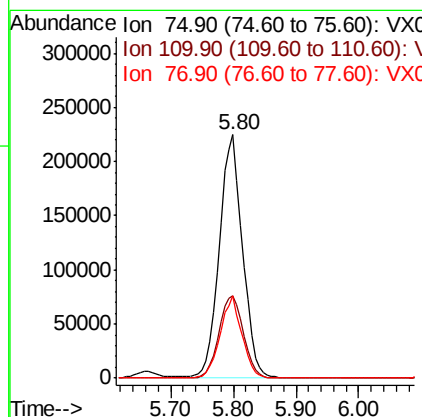
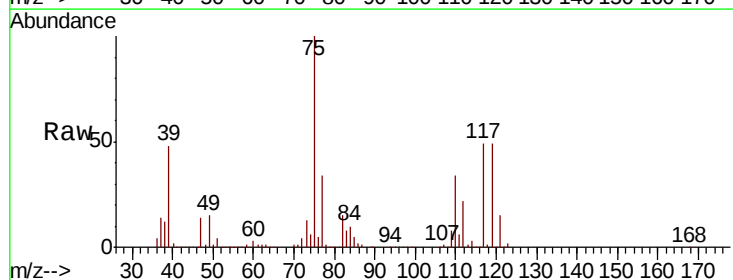
Manual Integrations
 APPROVED

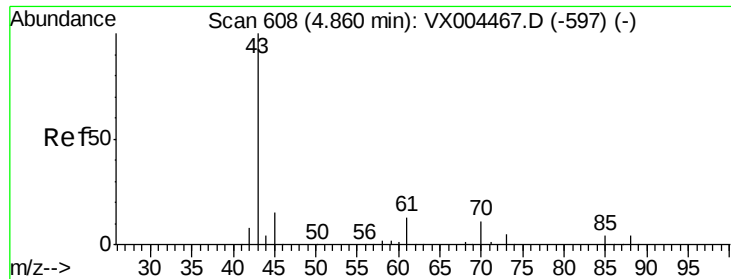
MMDadoda
 9/12/2018 11:26:30 AM



#36
 1,1-Dichloropropene
 Concen: 139.25 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	573060		
110	35.9	18.0	54.0	
77	31.6	24.6	36.8	





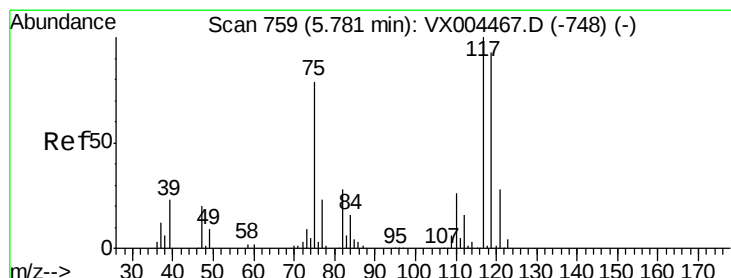
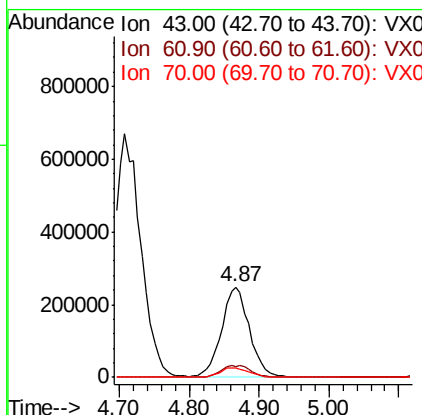
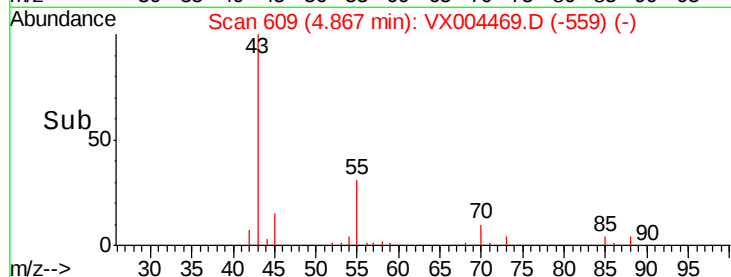
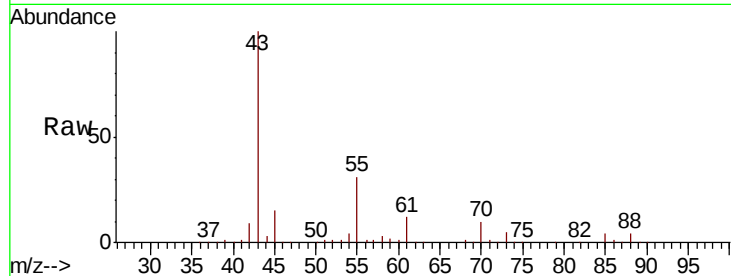
#37
Ethyl Acetate
Concen: 146.55 ug/l
RT: 4.87 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:	43	Resp:	685937
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.5	17.3
70	11.0	9.0	13.6

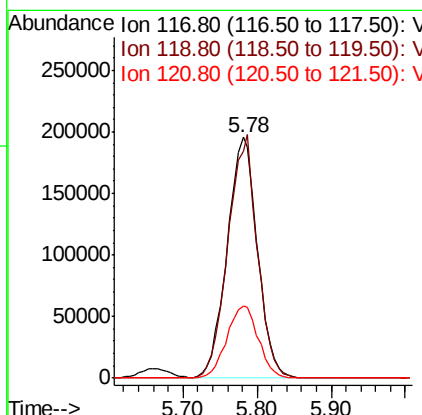
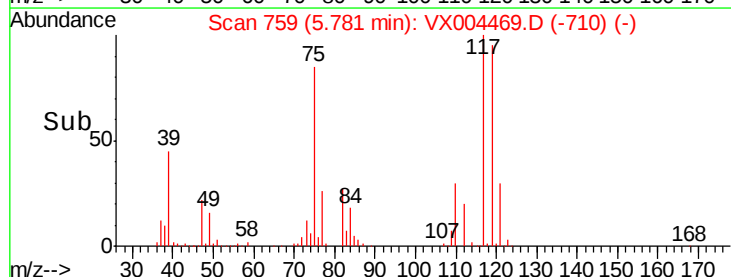
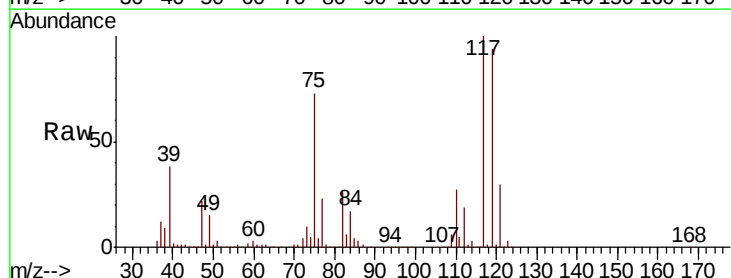
Manual Integrations
APPROVED

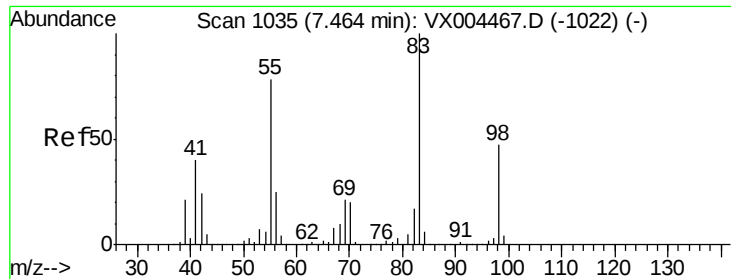
MMDadoda
9/12/2018 11:26:30 AM



#38
Carbon Tetrachloride
Concen: 138.34 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion:	117	Resp:	556033
Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.8	118.2
121	30.0	24.9	37.3





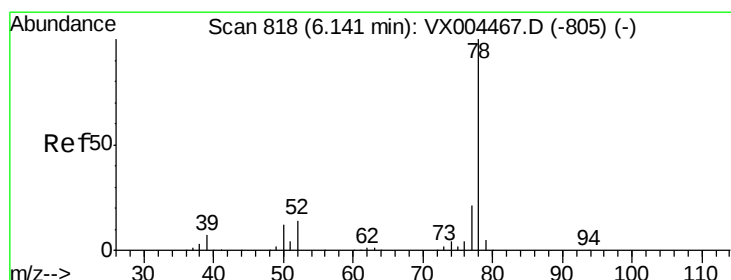
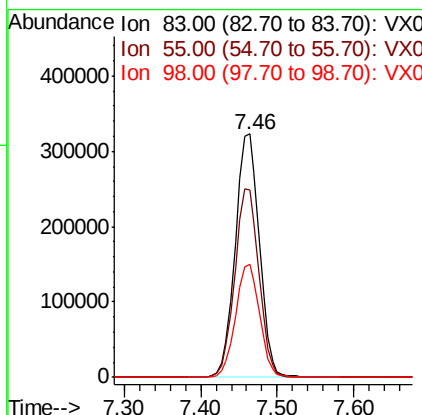
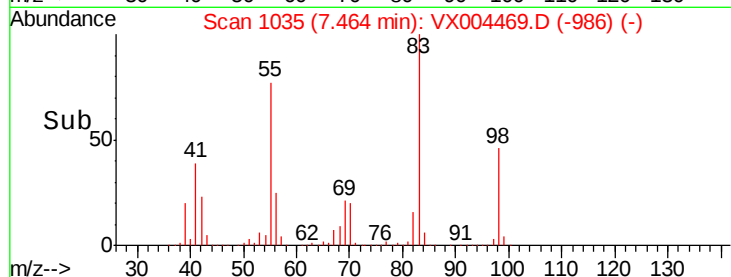
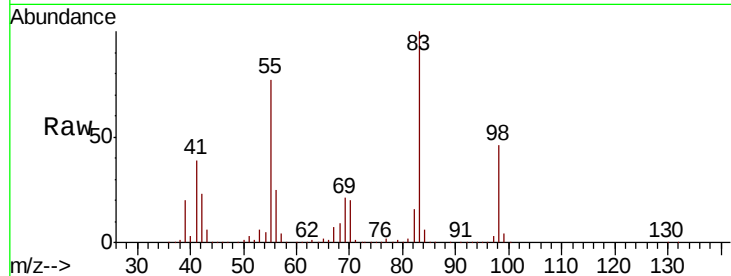
#39
Methylvlcyclohexane
Concen: 164.05 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.0	91.4
98	46.3	39.6	59.4

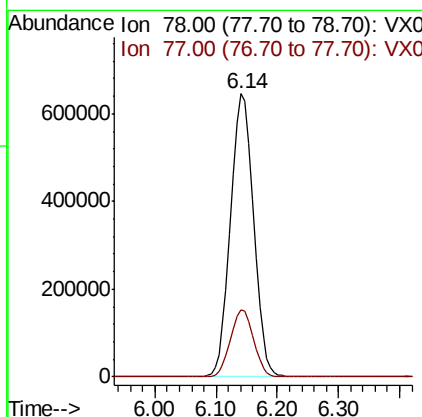
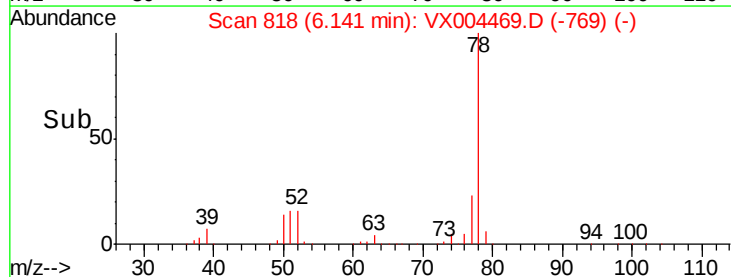
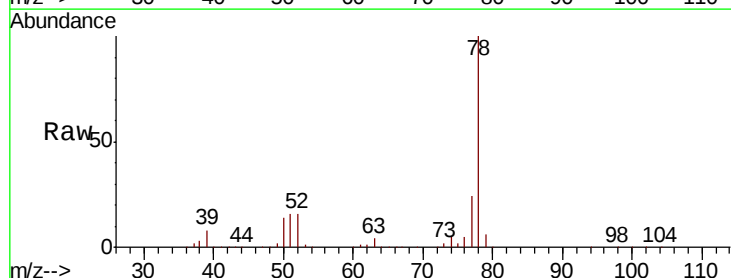
Manual Integrations
APPROVED

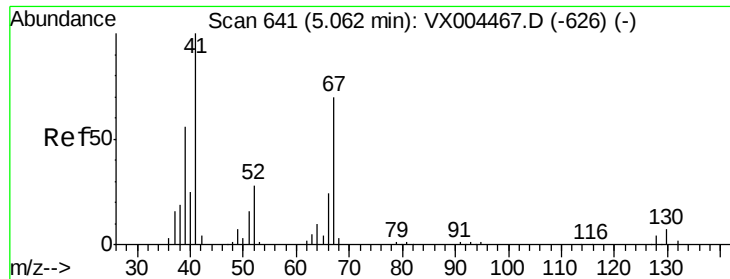
MMDadoda
9/12/2018 11:26:30 AM



#40
Benzene
Concen: 137.07 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





#41

Methacrylonitrile

Concen: 154.04 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tot Ion	Ion	Ratio	Lower	Upper
397226	41	100		
	39	50.6	42.4	63.6
	67	72.0	59.2	88.8
	52	27.8	23.0	34.4

Instrument :

MSVOA_X

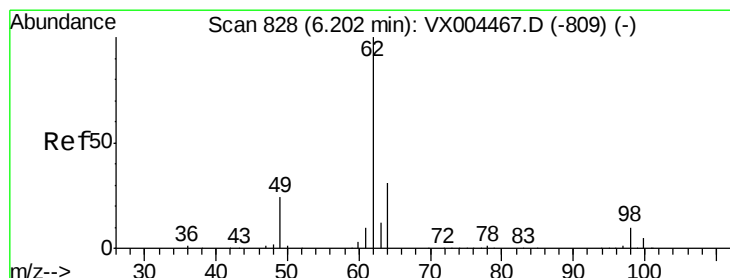
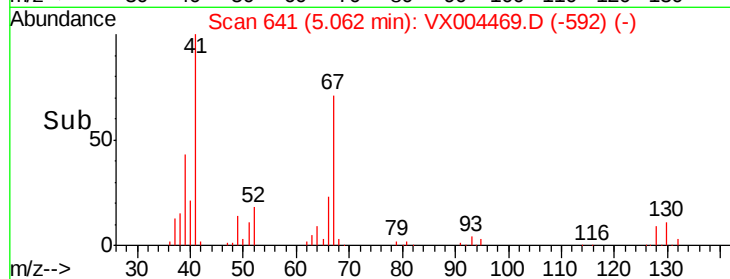
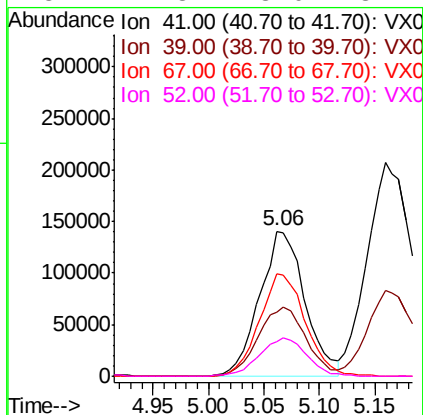
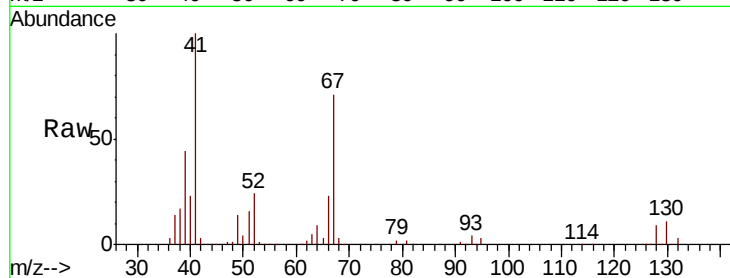
ClientSampleId :

VSTDIC150

Manual Integrations
APPROVED

MMDadoda

9/12/2018 11:26:30 AM



#42

1,2-Dichloroethane

Concen: 136.63 ug/l

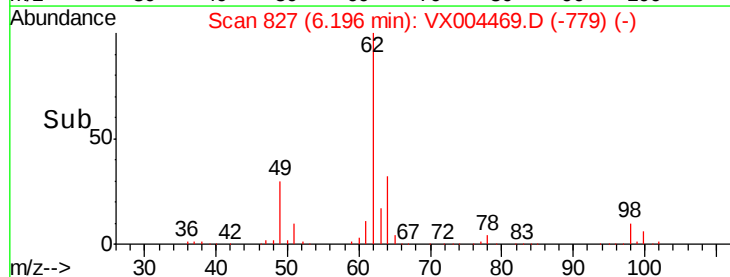
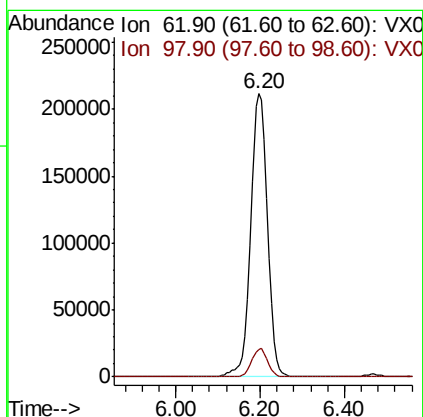
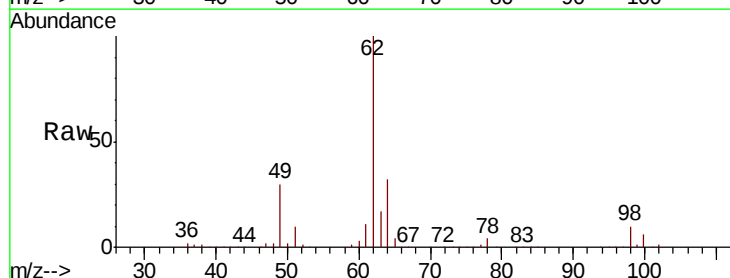
RT: 6.20 min Scan# 827

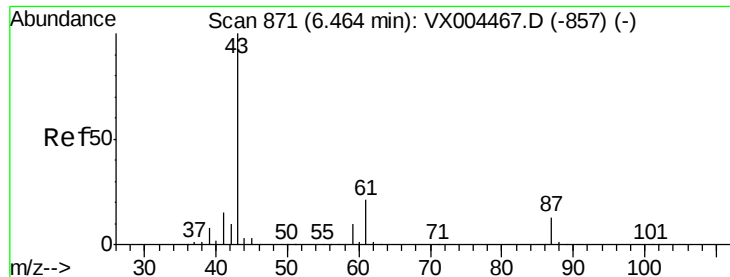
Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tgt Ion	Ion	Ratio	Lower	Upper
553292	62	100		
	98	9.6	0.0	20.6





#43

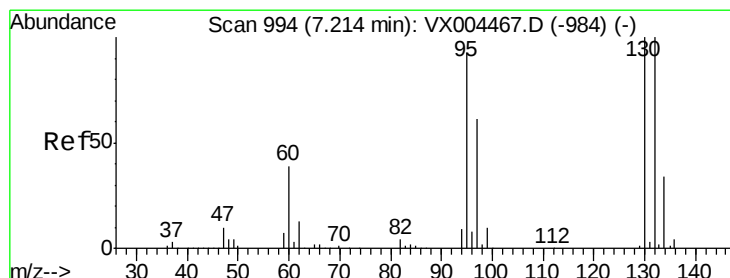
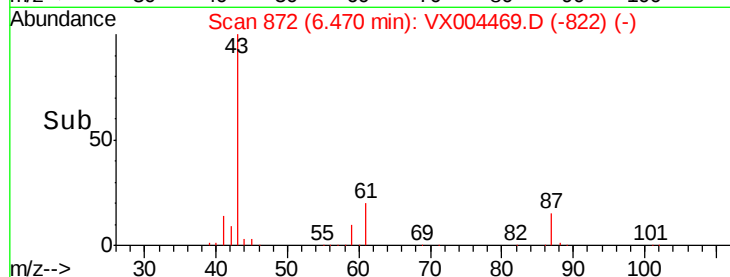
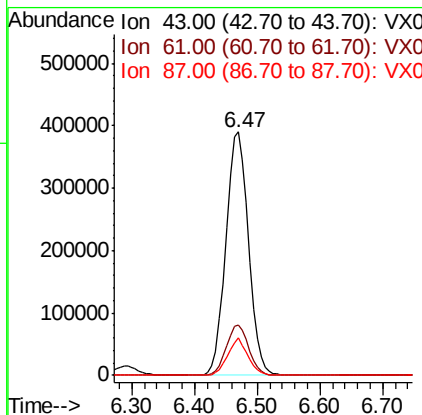
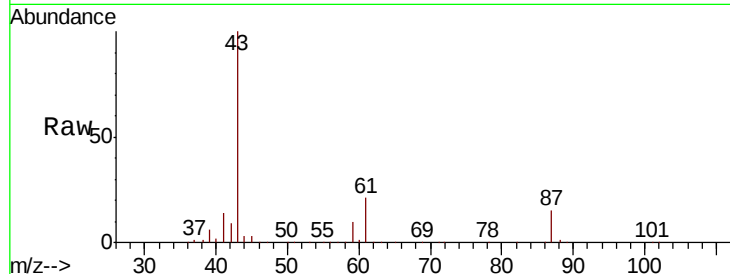
Isopropyl Acetate
 Concen: 156.24 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. 0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	17.0	25.4
87	13.5	11.4	17.2

Manual Integrations
 APPROVED

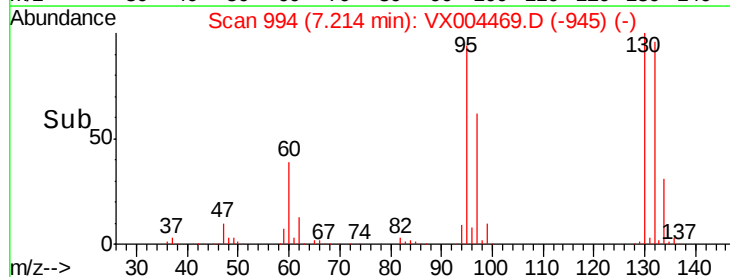
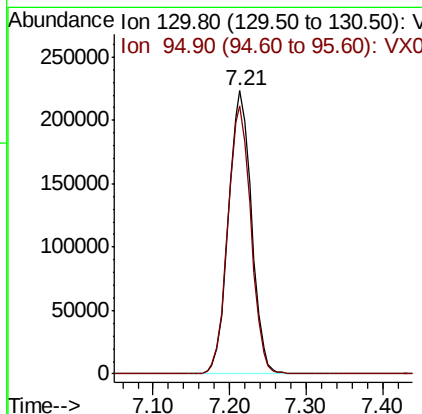
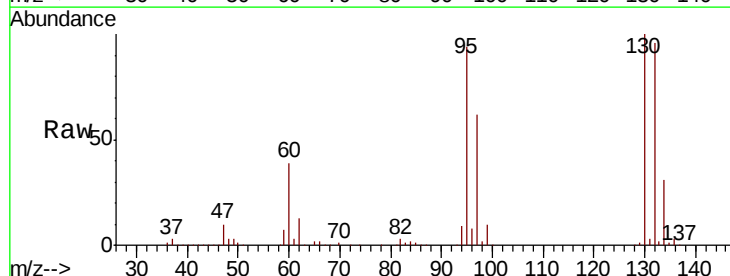
MMDadoda
 9/12/2018 11:26:30 AM

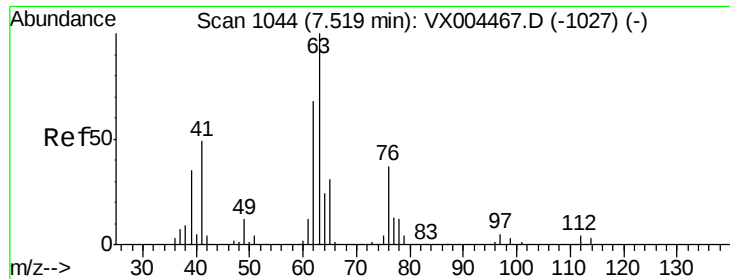


#44

Trichloroethene
 Concen: 146.77 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	181.6





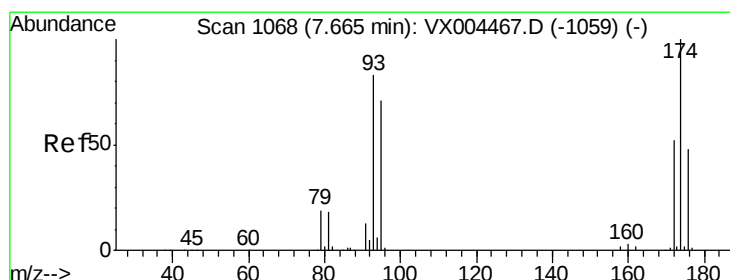
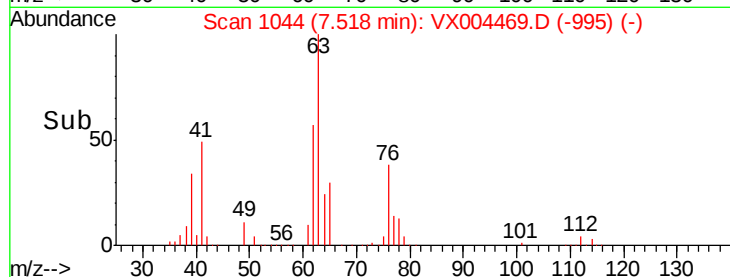
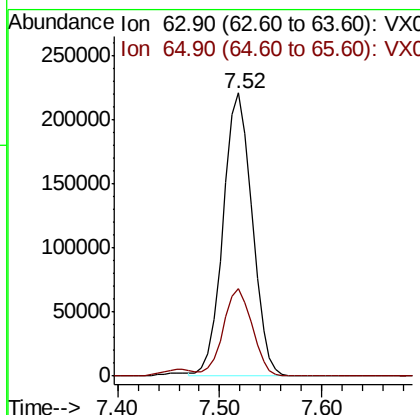
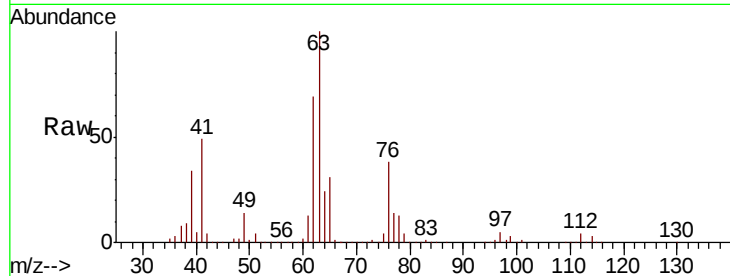
#45
 1,2-Dichloropropane
 Concen: 148.78 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 437109
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.3 36.5

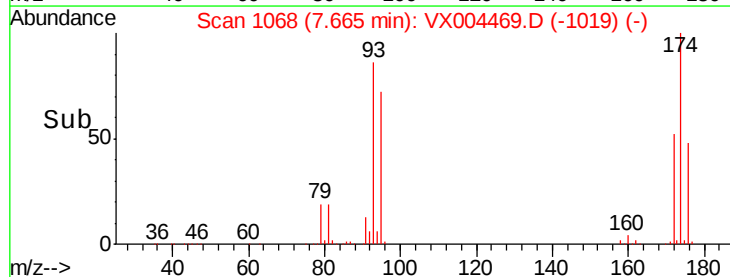
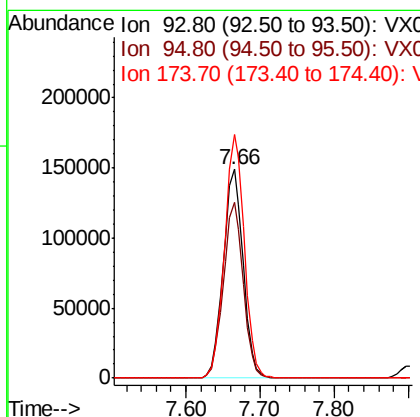
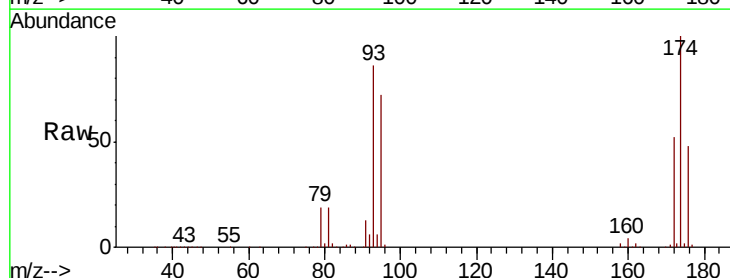
Manual Integrations
 APPROVED

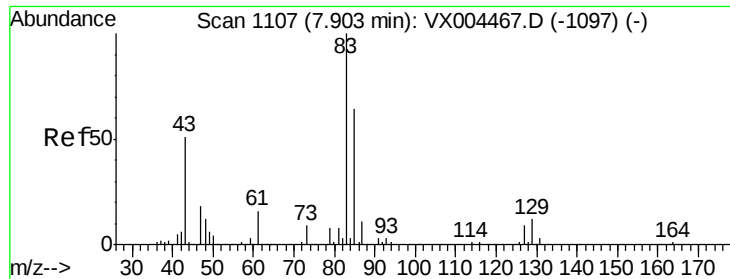
MMDadoda
 9/12/2018 11:26:30 AM



#46
 Dibromomethane
 Concen: 149.83 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion: 93 Resp: 278106
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.5 98.3
 174 115.8 94.2 141.4





#47

Bromodichloromethane

Concen: 156.67 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

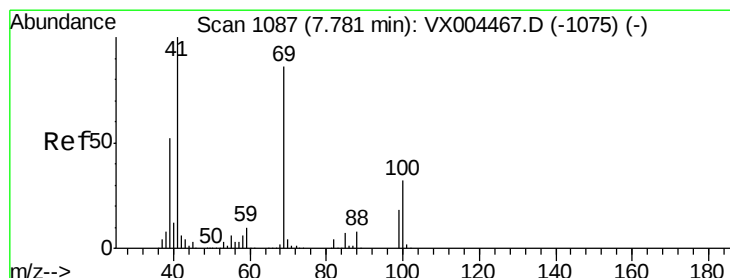
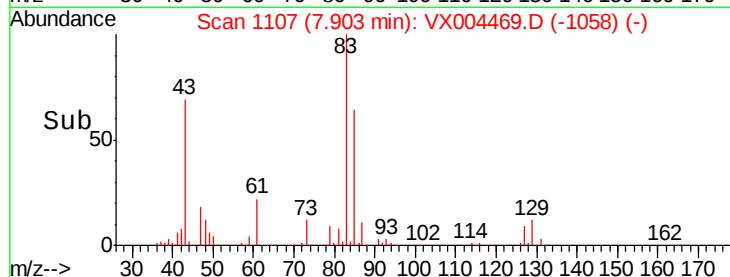
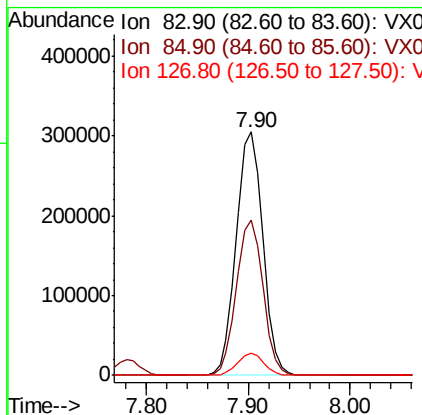
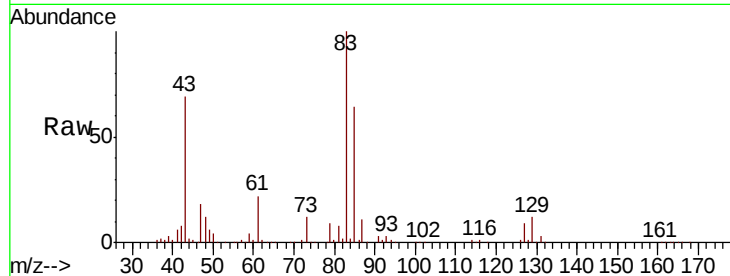
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	549928
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.9	76.3
127	8.9	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:30 AM



#48

Methyl methacrylate

Concen: 165.95 ug/l

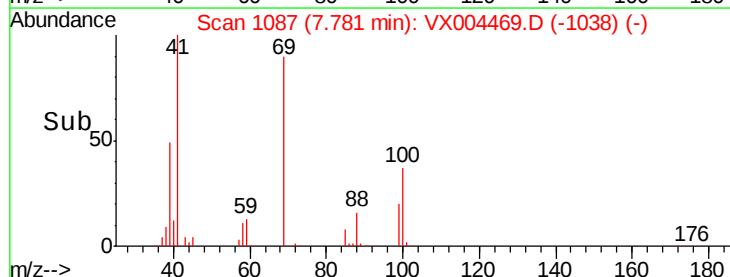
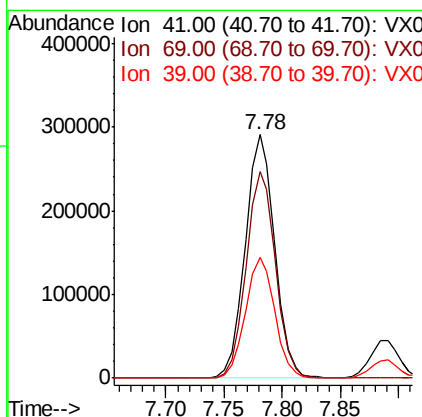
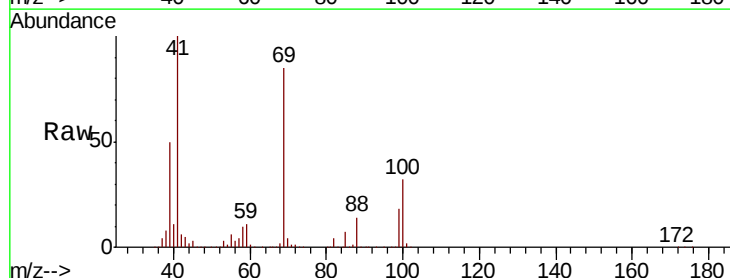
RT: 7.78 min Scan# 1087

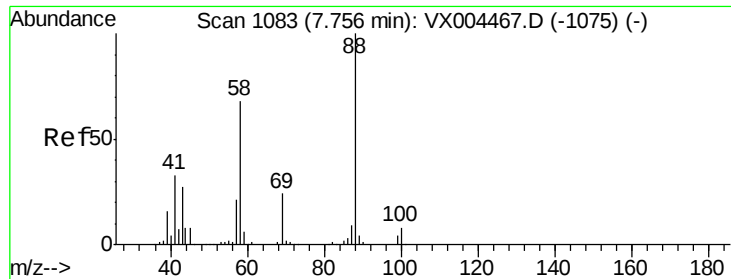
Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tgt Ion:	41	Resp:	510558
Ion Ratio	Lower	Upper	
41	100		
69	85.3	70.2	105.4
39	49.9	42.7	64.1





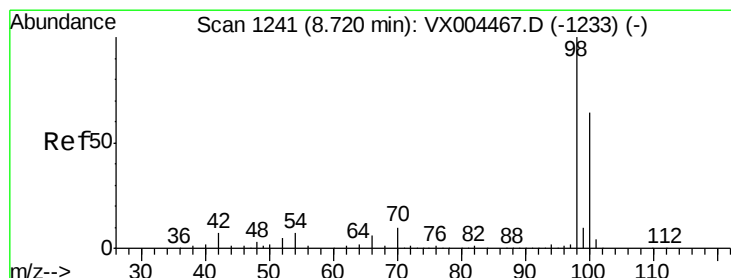
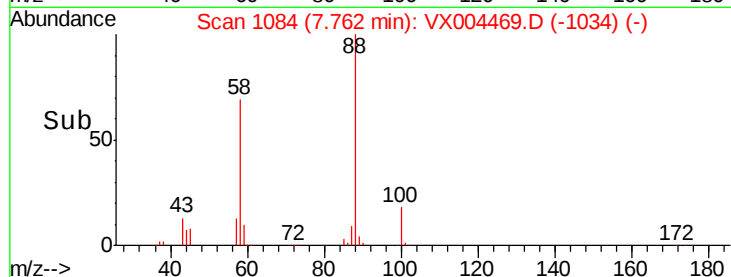
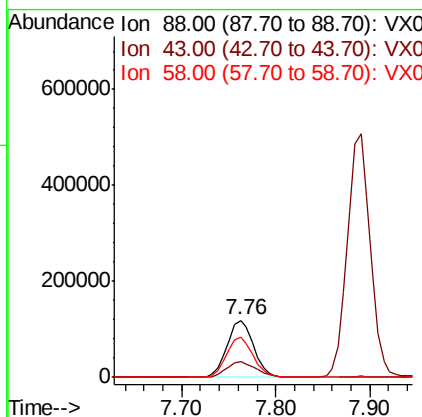
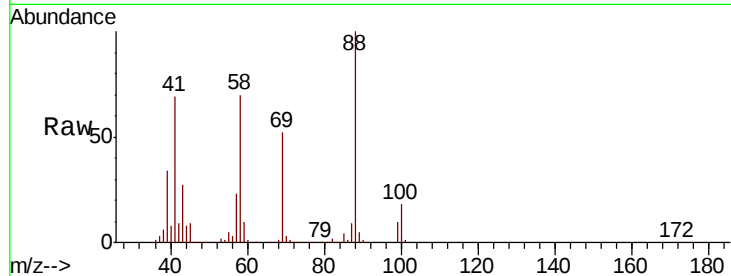
#49
1,4-Dioxane
Concen: 3160.95 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.7	37.1
58	71.1	55.3	82.9

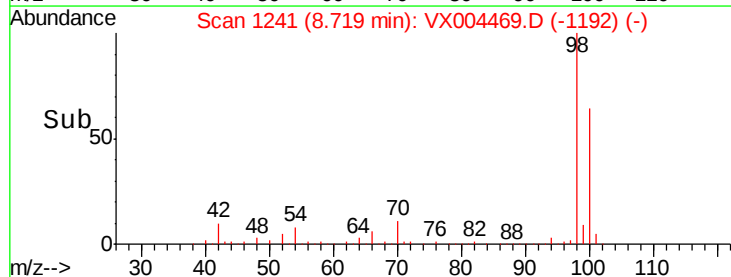
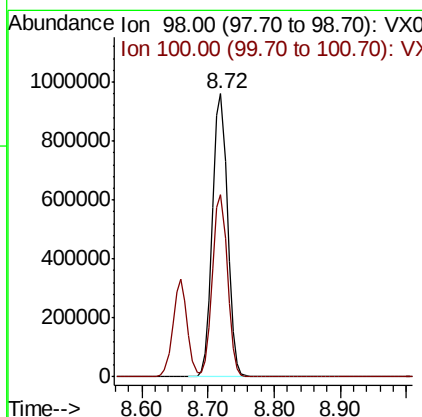
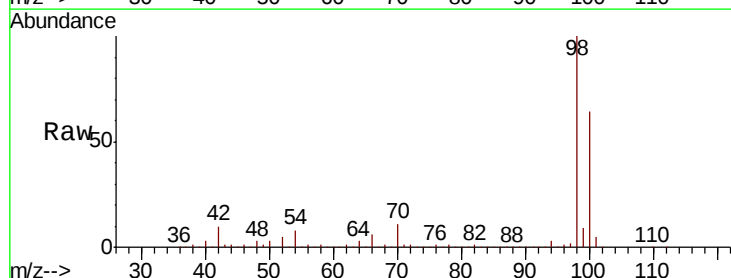
Manual Integrations
APPROVED

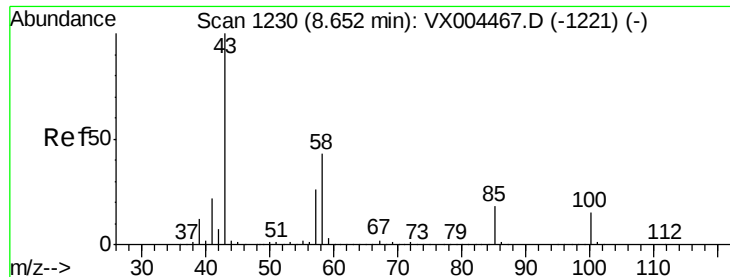
MMDadoda
9/12/2018 11:26:30 AM



#50
Toluene-d8
Concen: 145.40 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.9	79.3





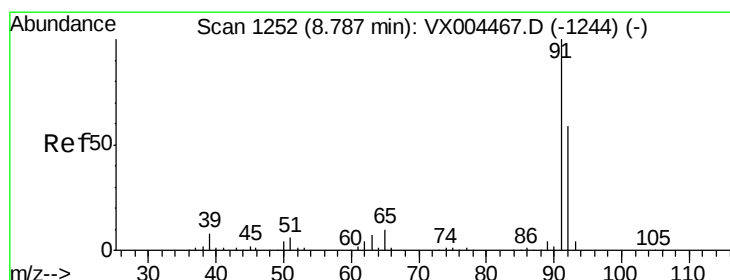
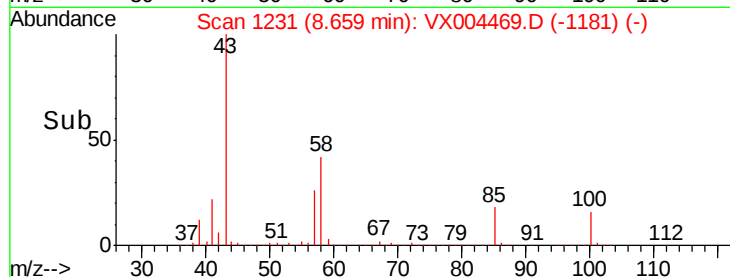
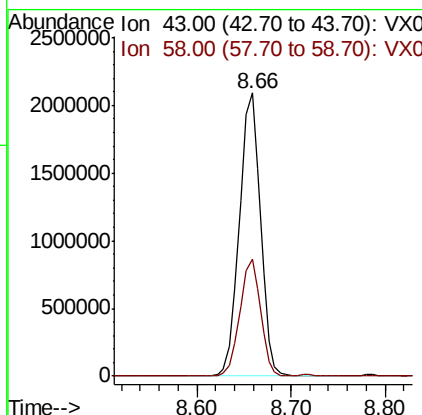
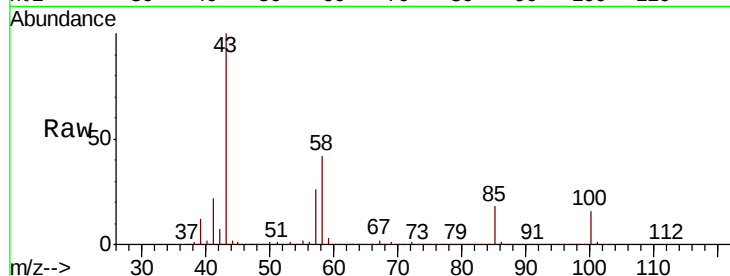
#51
4-Methyl-2-Pentanone
Concen: 745.08 ug/l
RT: 8.66 min Scan# 1231
Delta R.T. 0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3268670
Ion Ratio Lower Upper
43 100
58 40.6 33.1 49.7

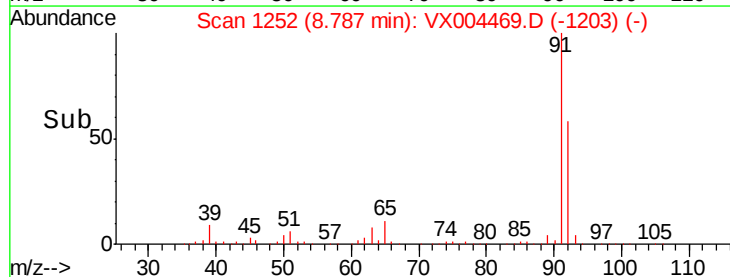
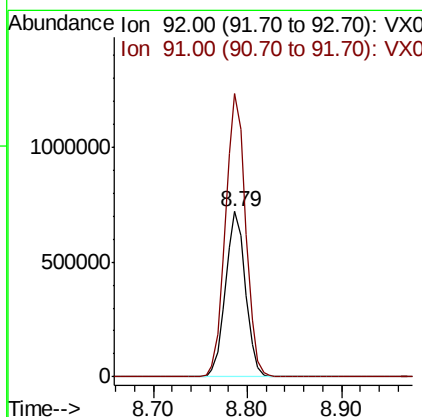
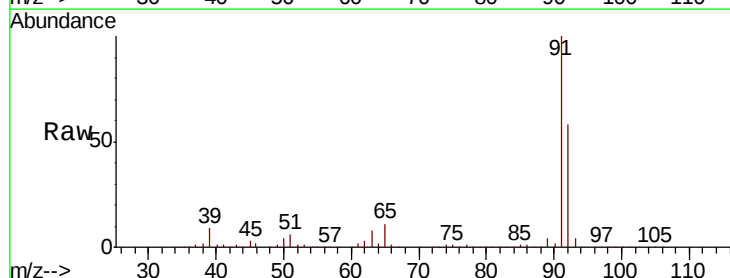
Manual Integrations
APPROVED

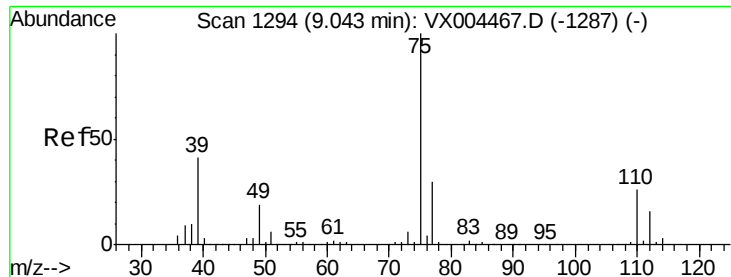
MMDadoda
9/12/2018 11:26:30 AM



#52
Toluene
Concen: 146.96 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion: 92 Resp: 1057192
Ion Ratio Lower Upper
92 100
91 173.2 136.4 204.6





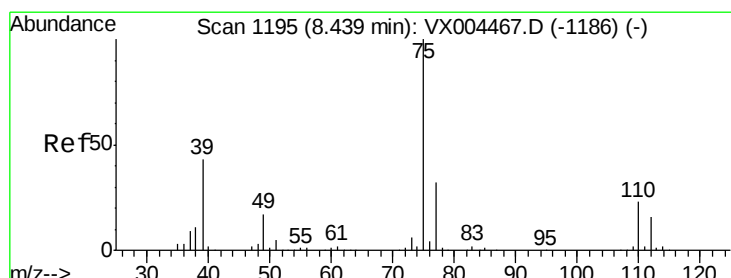
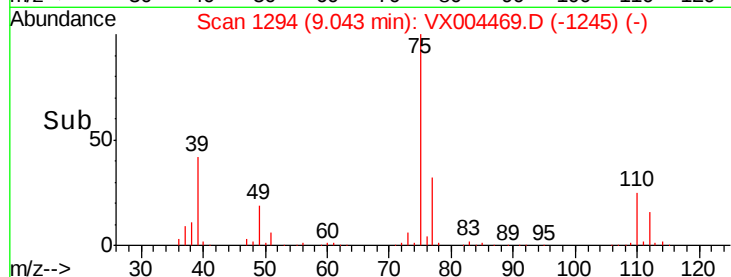
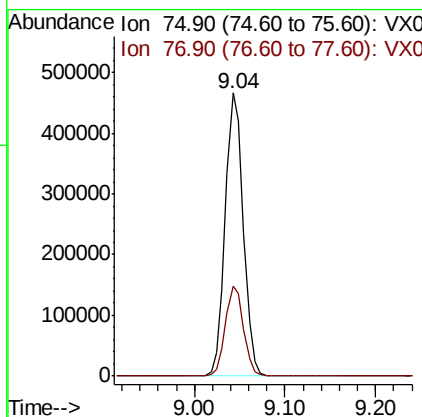
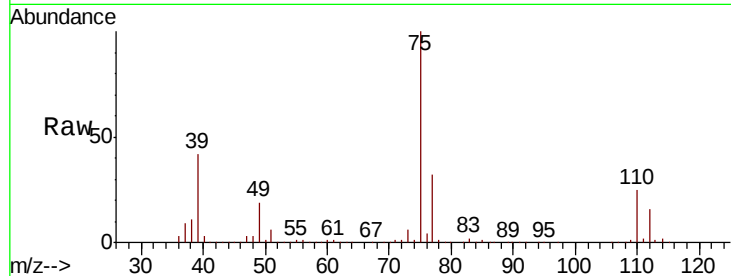
#53
 t-1,3-Dichloropropene
 Concen: 157.92 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC150

Tot Ion: 75 Resp: 647518
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 37.0

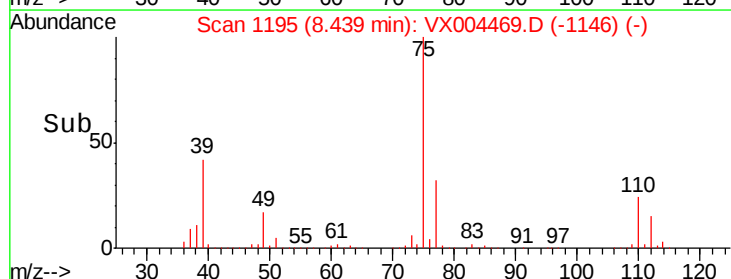
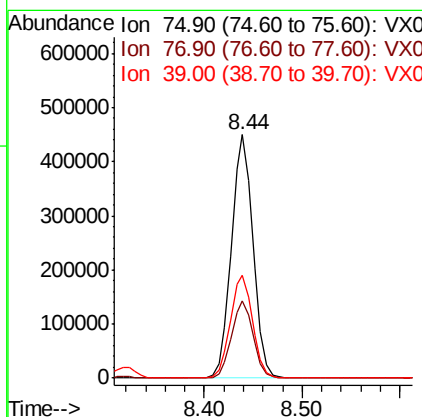
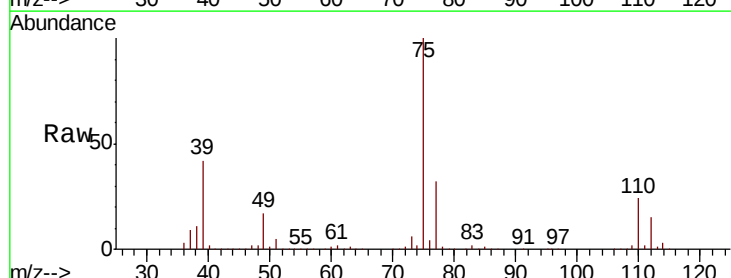
Manual Integrations
 APPROVED

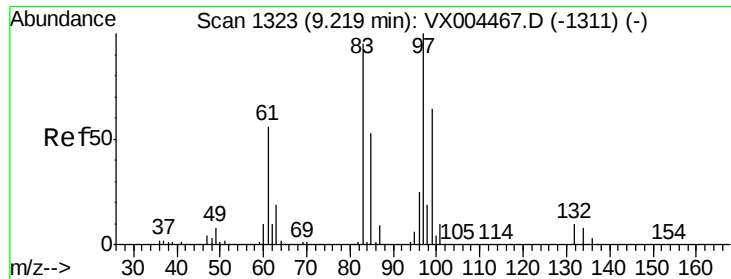
MMDadoda
 9/12/2018 11:26:30 AM



#54
 cis-1,3-Dichloropropene
 Concen: 164.53 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion: 75 Resp: 687723
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2
 39 42.1 36.4 54.6





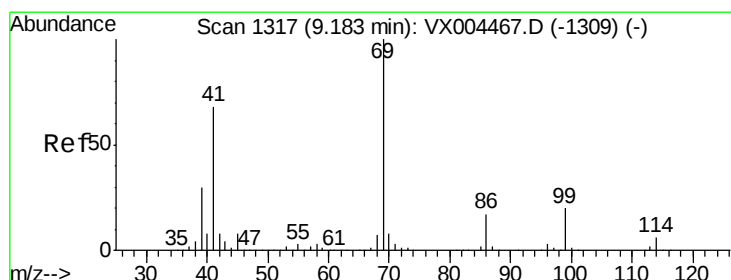
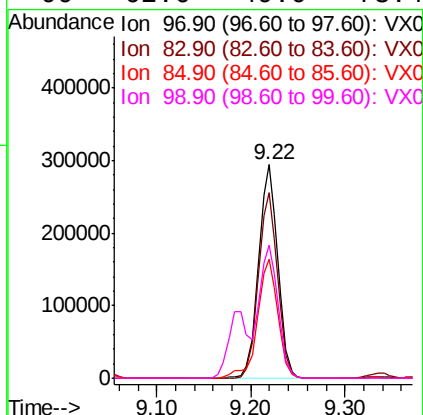
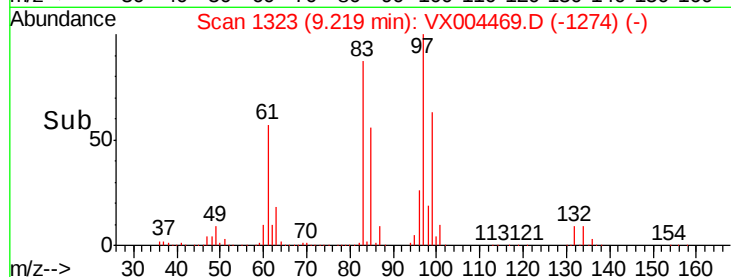
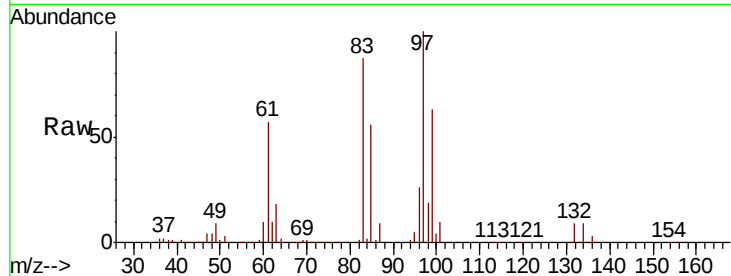
#55
1,1,2-Trichloroethane
Concen: 137.32 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:	97	Resp:	425341
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.4	99.6
85	55.7	43.3	64.9
99	62.6	49.0	73.4

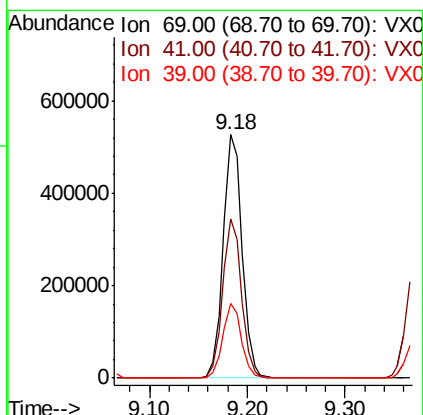
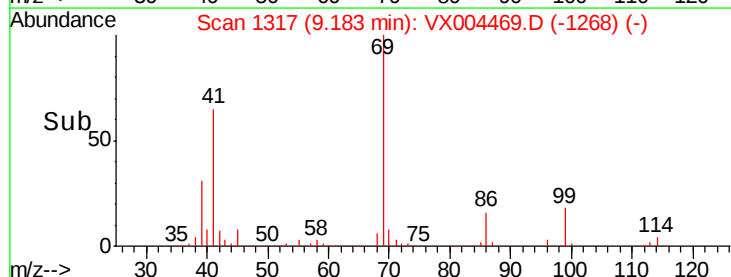
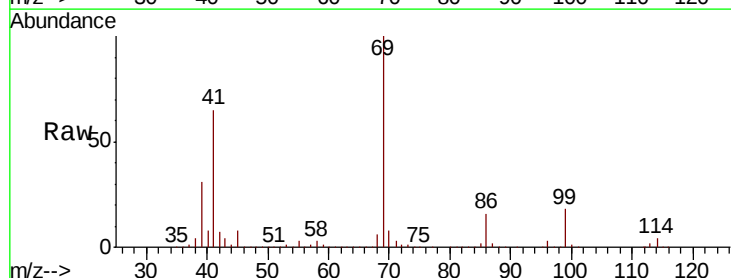
Manual Integrations
APPROVED

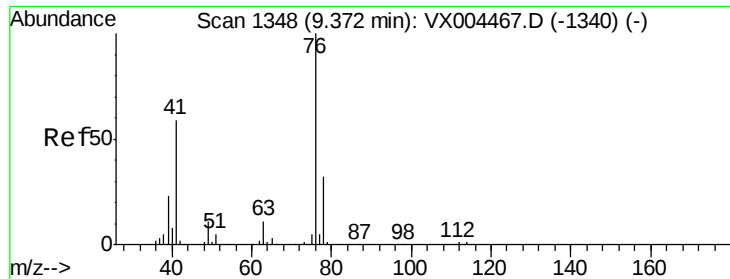
MMDadoda
9/12/2018 11:26:30 AM



#56
Ethyl methacrylate
Concen: 161.50 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion:	69	Resp:	707670
Ion	Ratio	Lower	Upper
69	100		
41	64.7	51.0	76.4
39	30.1	26.1	39.1





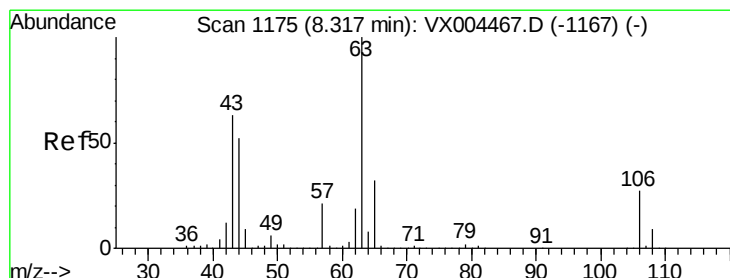
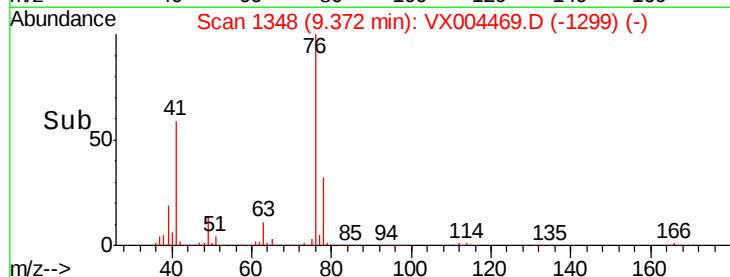
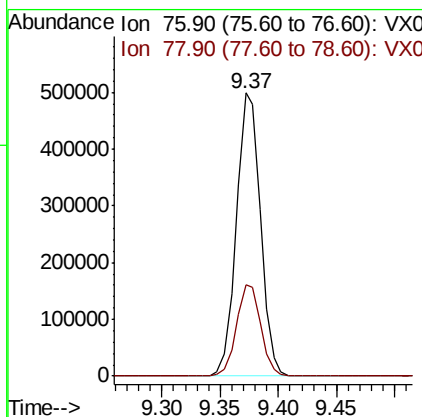
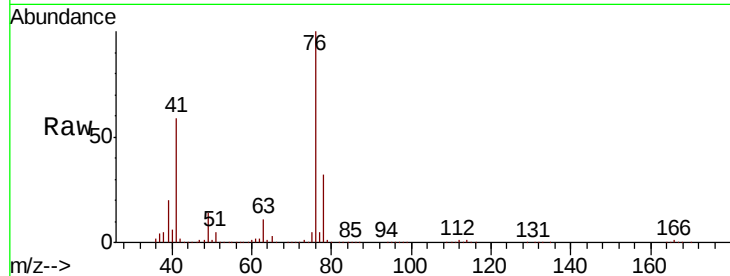
#57
 1,3-Dichloropropane
 Concen: 142.78 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 718600
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3

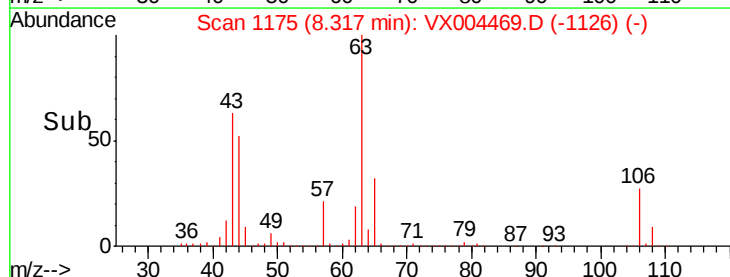
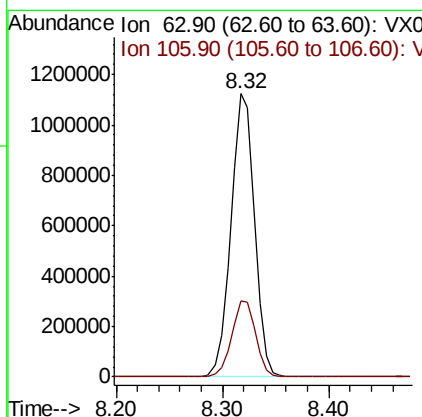
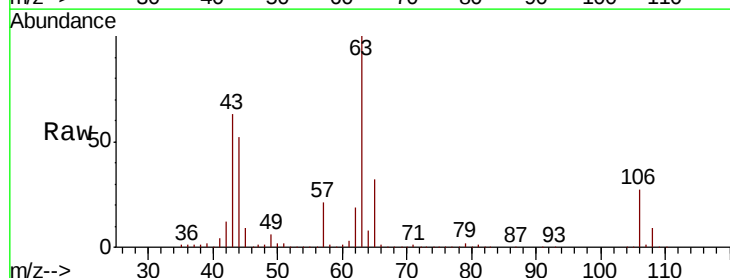
Manual Integrations
 APPROVED

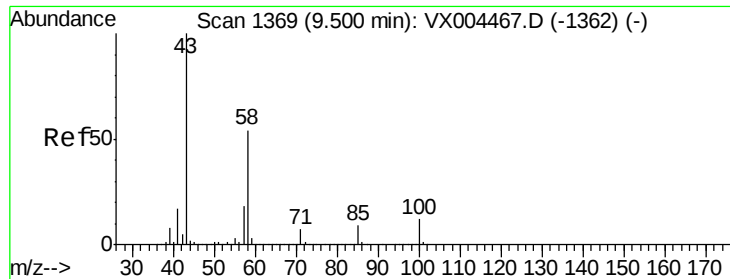
MMDadoda
 9/12/2018 11:26:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 866.05 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion: 63 Resp: 1741014
 Ion Ratio Lower Upper
 63 100
 106 27.2 23.9 35.9





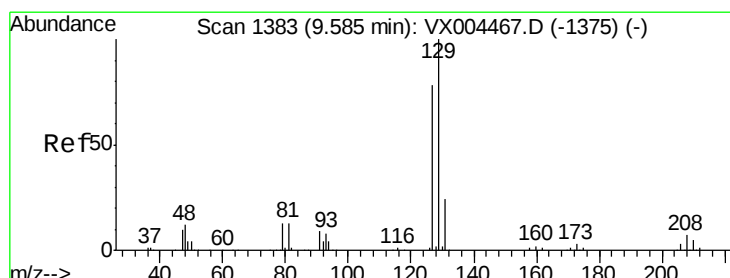
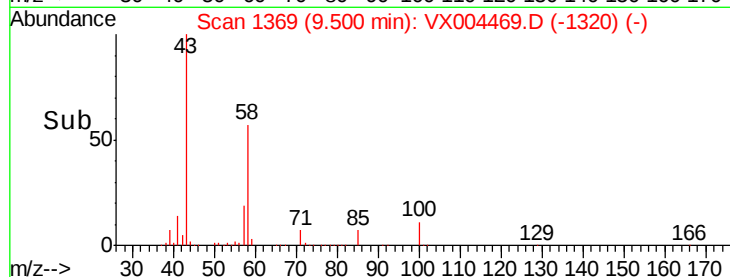
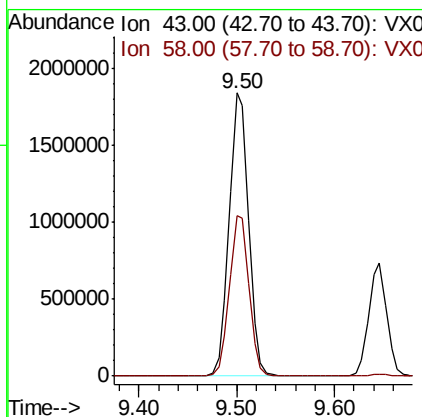
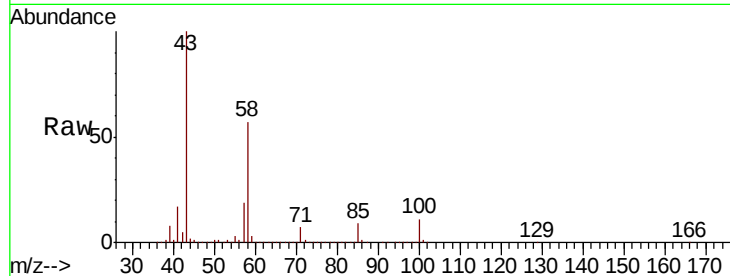
#59
2-Hexanone
Concen: 753.12 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2534255
Ion Ratio Lower Upper
43 100
58 57.0 29.0 87.0

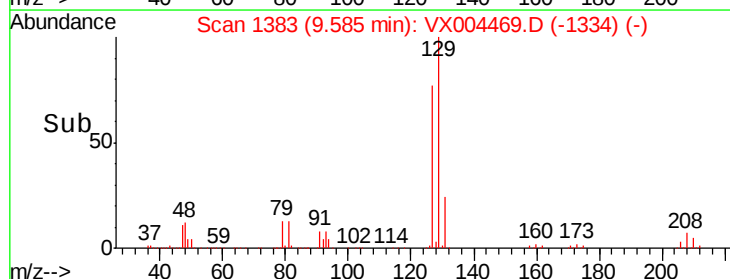
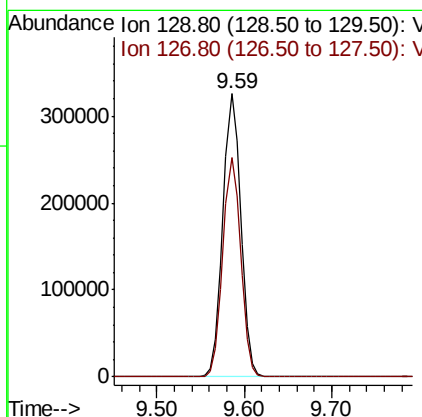
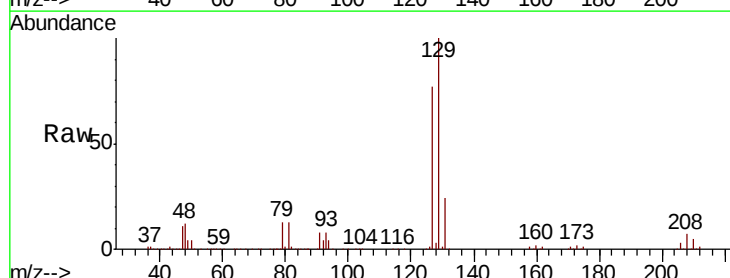
Manual Integrations
APPROVED

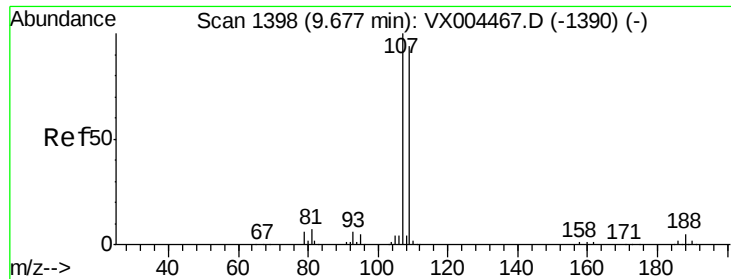
MMDadoda
9/12/2018 11:26:30 AM



#60
Dibromochloromethane
Concen: 158.53 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion: 129 Resp: 462288
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





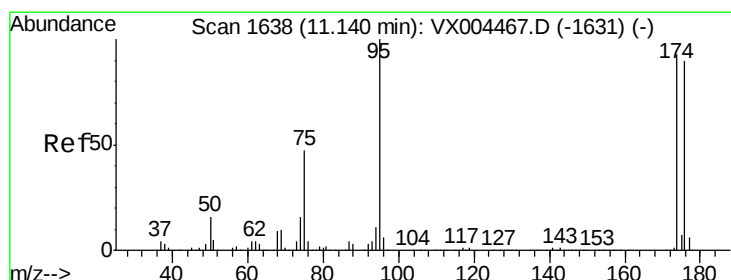
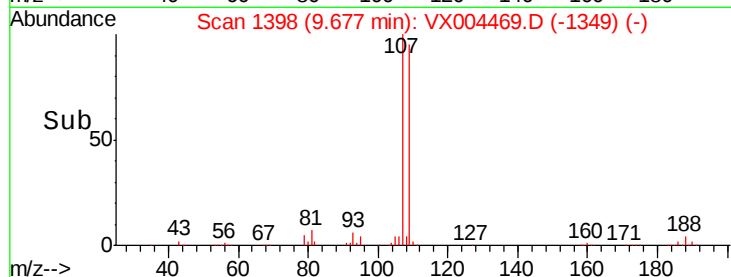
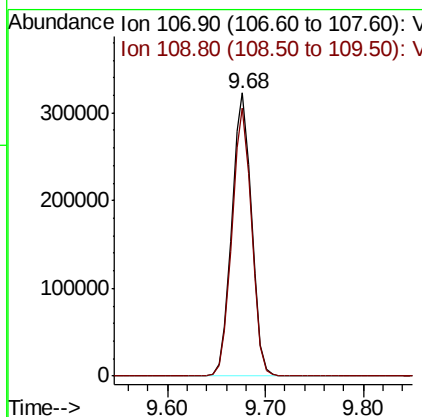
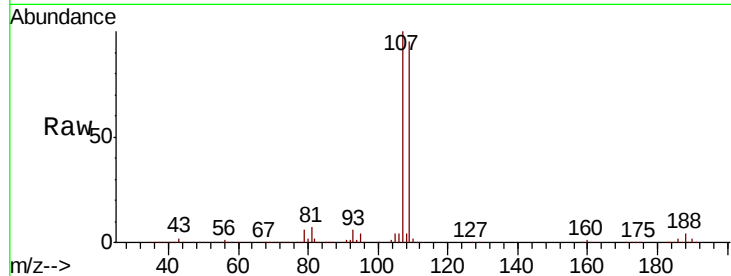
#61
 1,2-Dibromoethane
 Concen: 152.43 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	451045		
109	94.2	76.0	114.0	

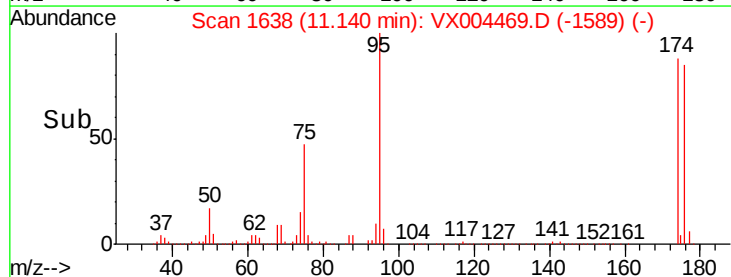
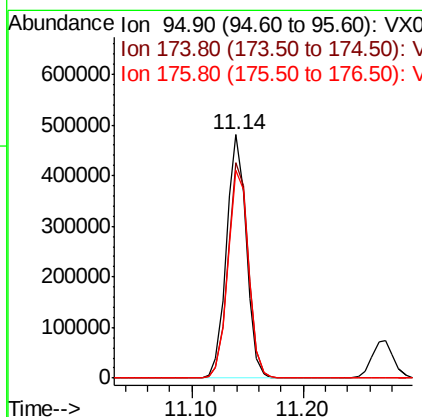
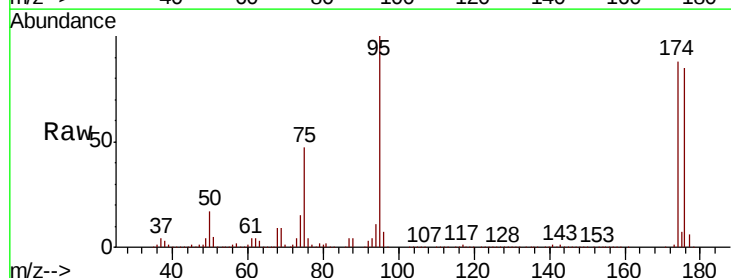
Manual Integrations
 APPROVED

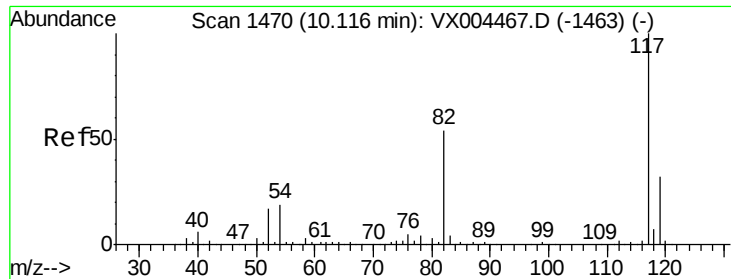
MMDadoda
 9/12/2018 11:26:30 AM



#62
 4-Bromofluorobenzene
 Concen: 159.38 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	591780		
174	90.6	0.0	185.2	
176	88.4	0.0	178.6	





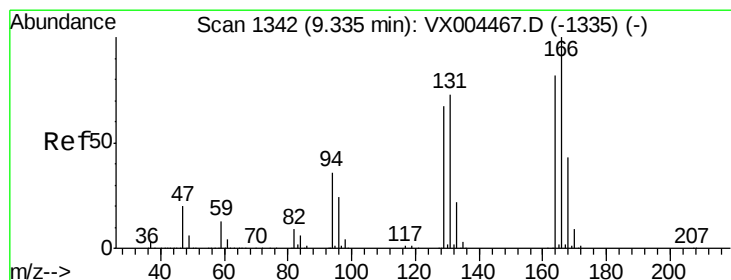
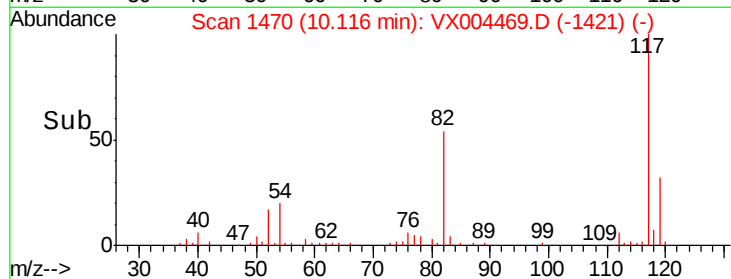
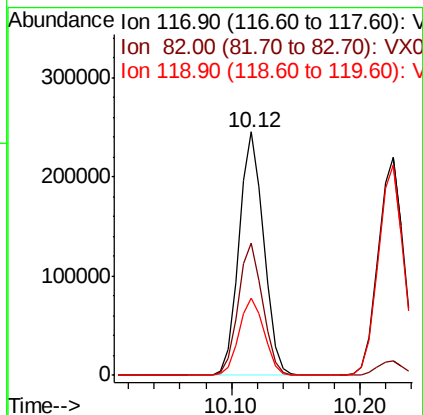
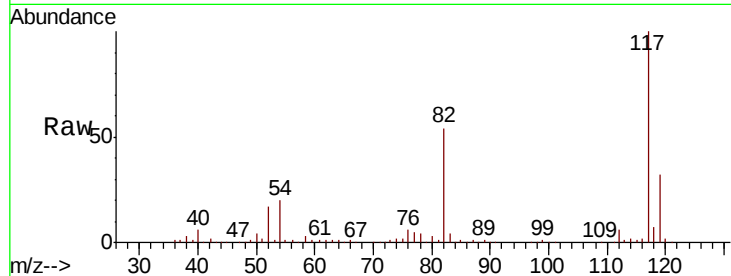
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	47.8	71.6
119	32.0	29.3	43.9

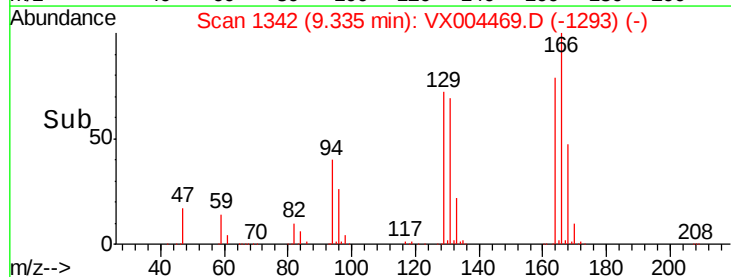
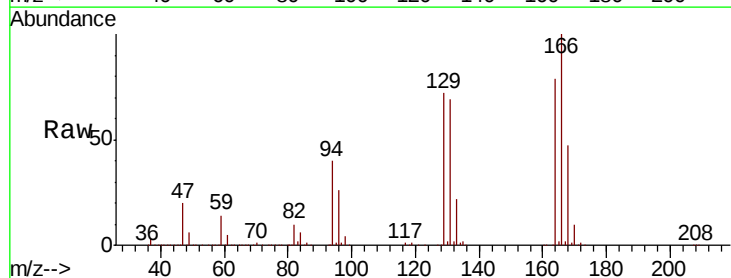
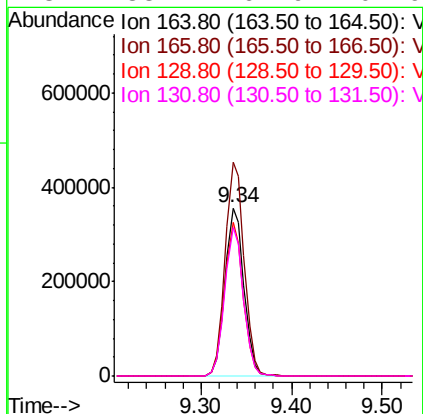
Manual Integrations
APPROVED

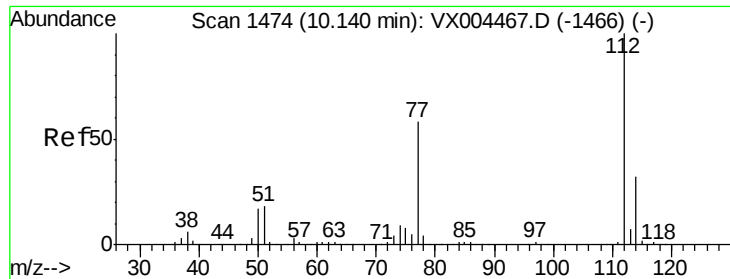
MMDadoda
9/12/2018 11:26:30 AM



#64
Tetrachloroethene
Concen: 127.19 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.8	154.2
129	91.4	69.4	104.0
131	88.2	67.9	101.9





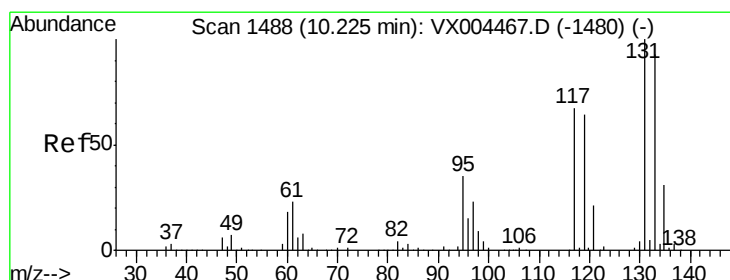
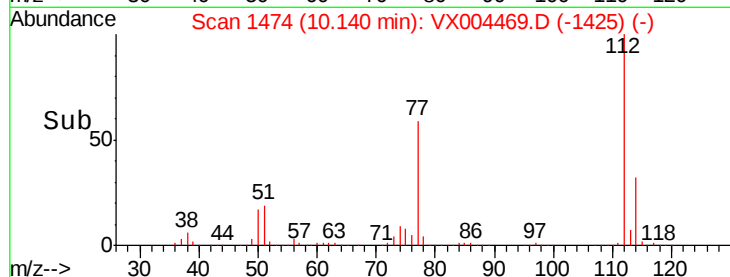
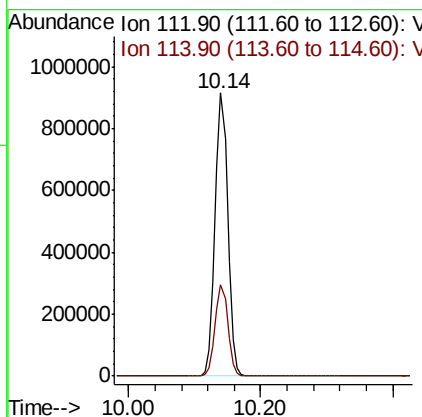
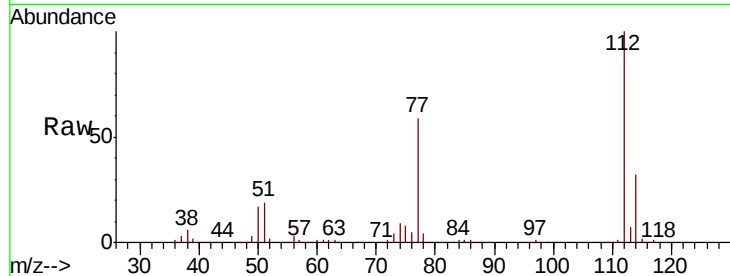
#65
Chlorobenzene
Concen: 149.52 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1207587
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8

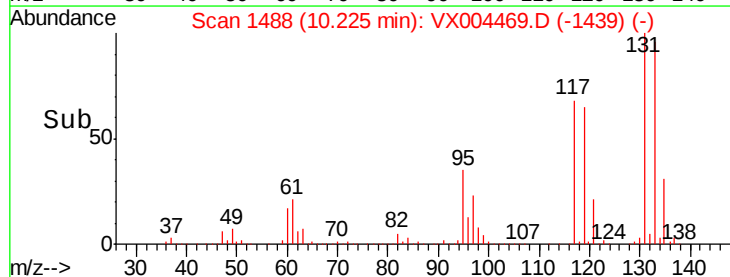
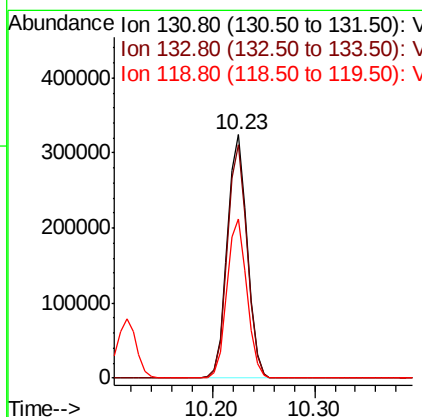
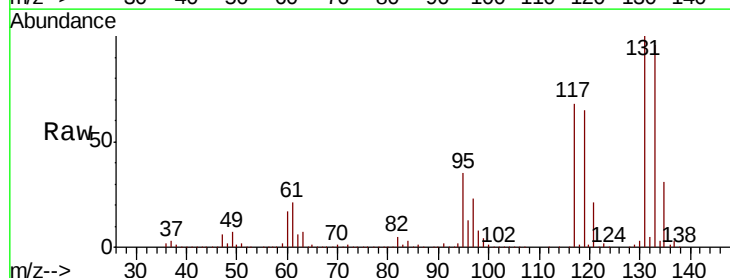
Manual Integrations
APPROVED

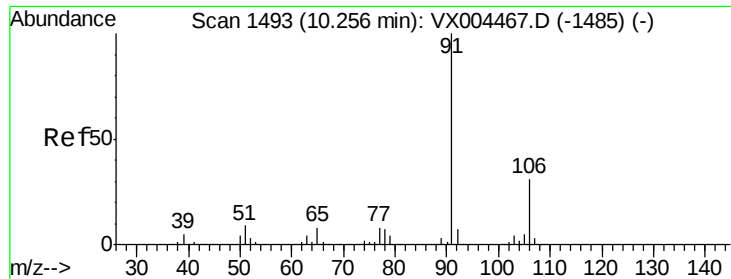
MMDadoda
9/12/2018 11:26:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 156.31 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion:131 Resp: 435331
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 65.5 32.9 98.6





#67

Ethyl Benzene

Concen: 159.34 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 2092429

Ion Ratio Lower Upper

91 100

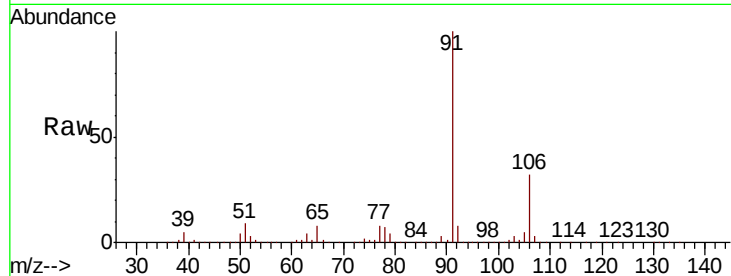
106 31.9 25.9 38.9

Manual Integrations

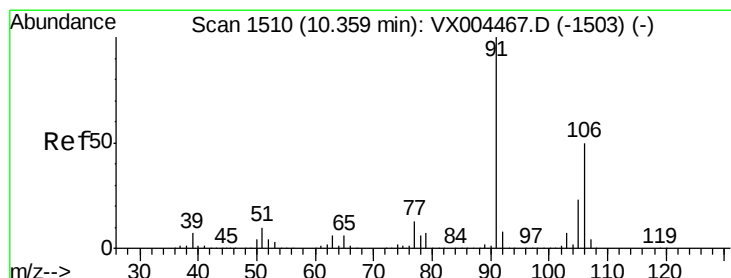
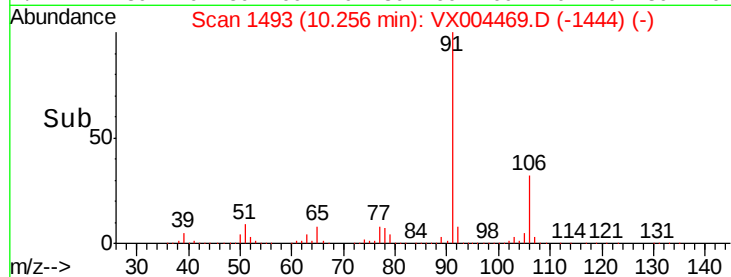
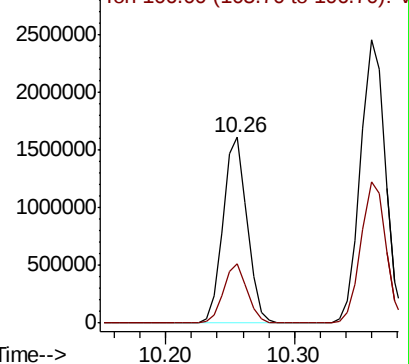
APPROVED

MMDadoda

9/12/2018 11:26:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VX004469.D (-1444) (-)



#68

m/p-Xylenes

Concen: 322.64 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004469.D

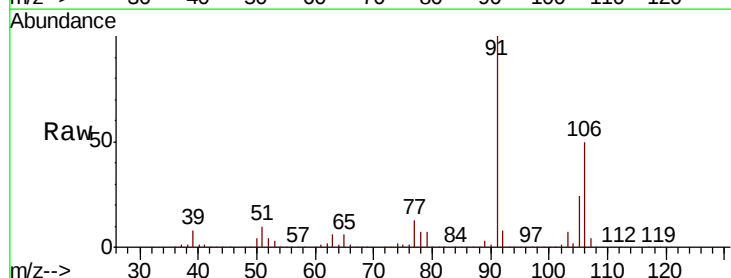
Acq: 11 Sep 2018 14:47

Tgt Ion: 106 Resp: 1632082

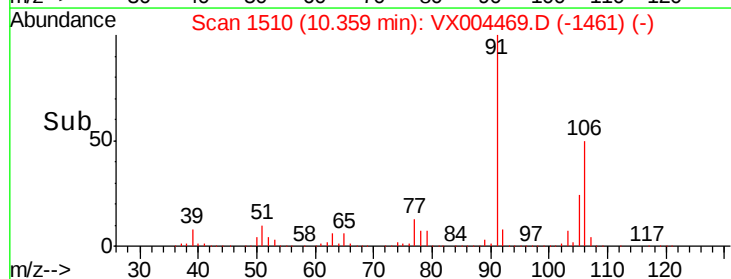
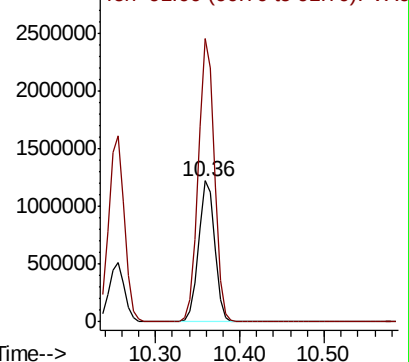
Ion Ratio Lower Upper

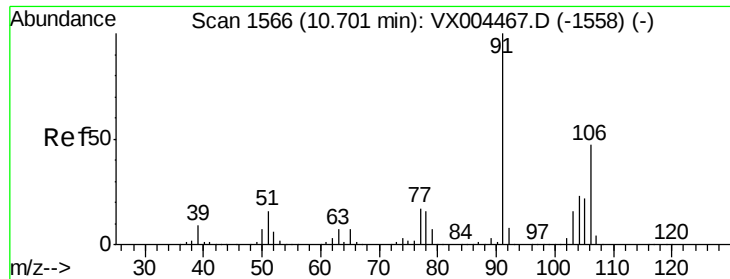
106 100

91 200.0 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004469.D (-1461) (-)





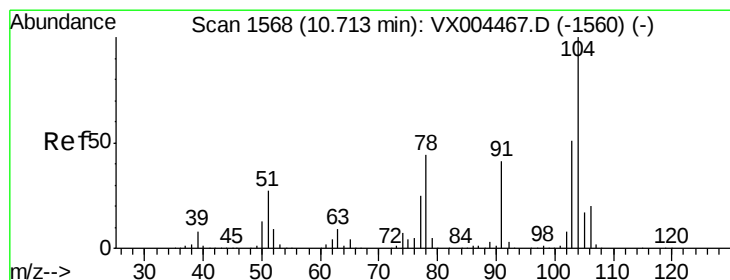
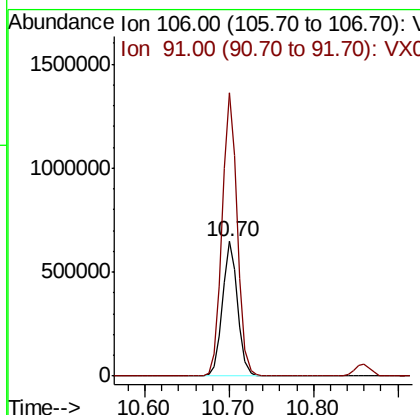
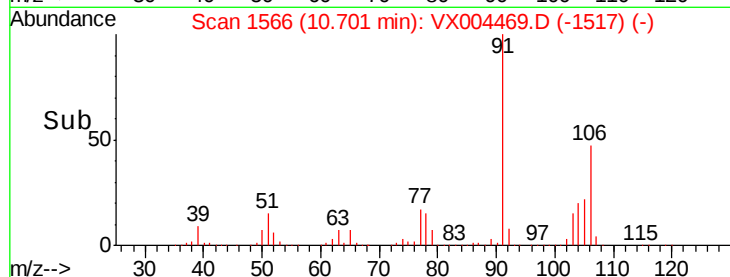
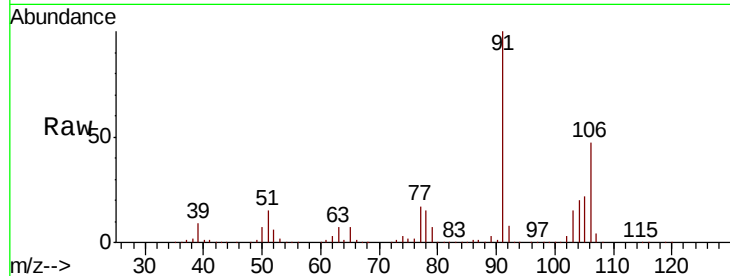
#69
o-Xylene
Concen: 164.54 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.2	105.1	315.1

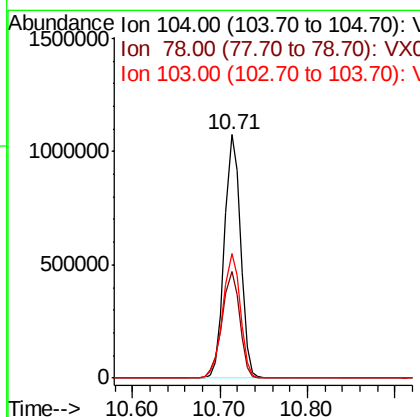
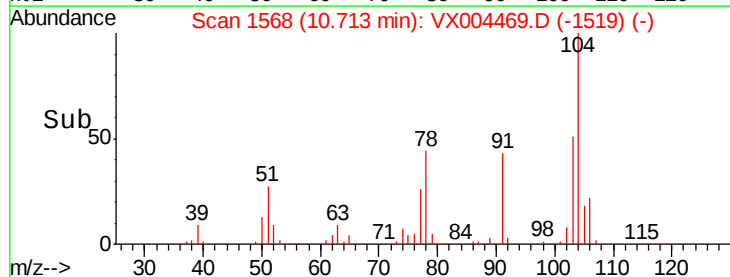
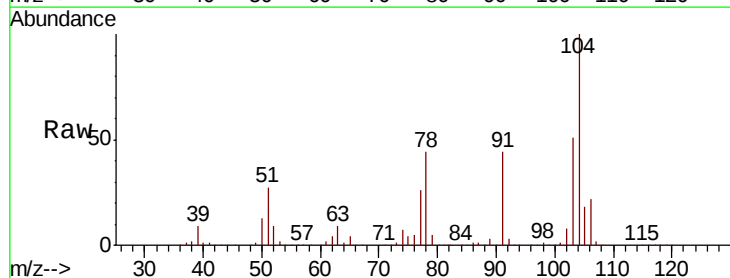
Manual Integrations
APPROVED

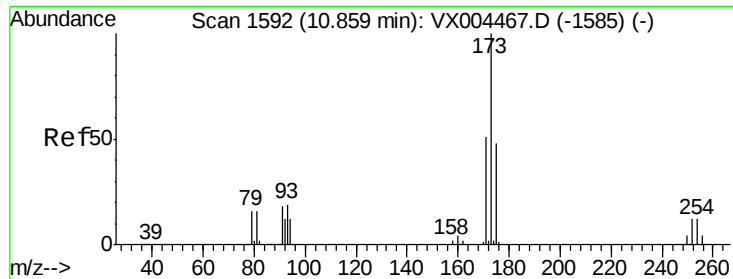
MMDadoda
9/12/2018 11:26:30 AM



#70
Styrene
Concen: 169.89 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	37.4	56.0
103	55.4	43.8	65.6





#71

Bromoform

Concen: 173.25 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

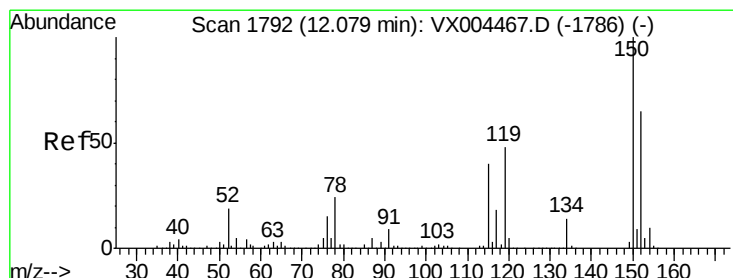
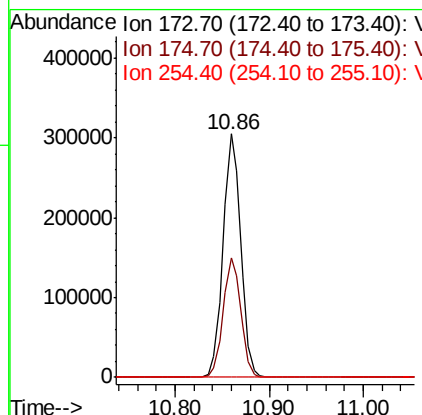
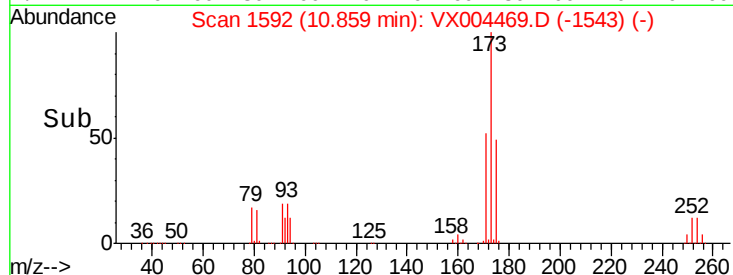
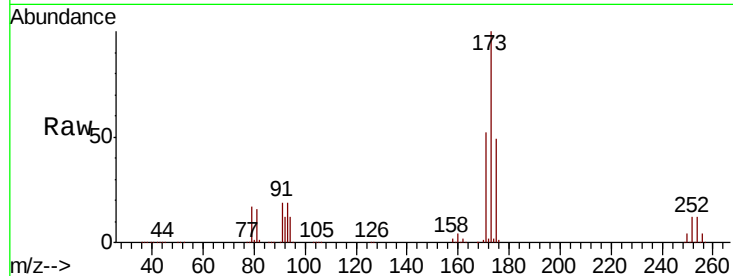
ClientSampleId :

VSTDIC150

Tot Ion:	173	Resp:	396194
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:30 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

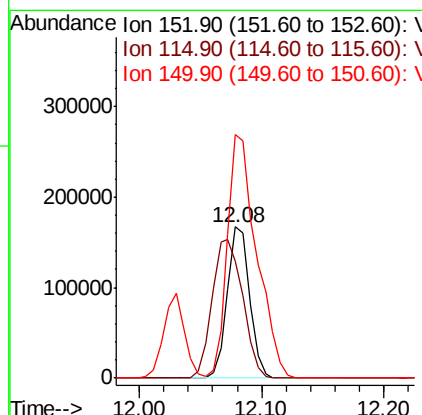
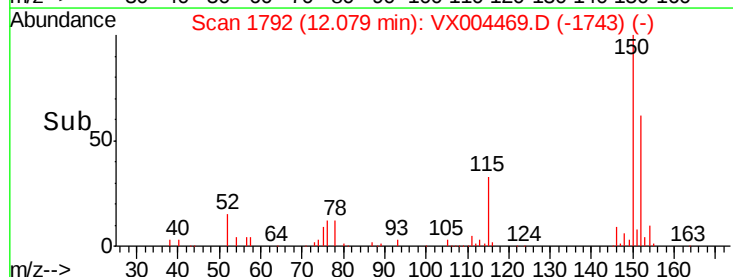
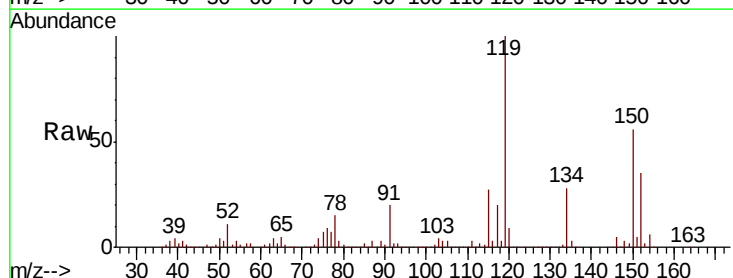
RT: 12.08 min Scan# 1792

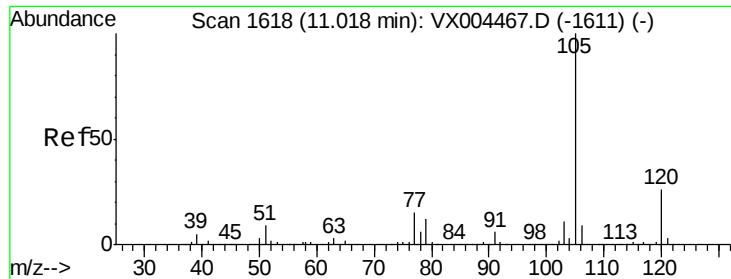
Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tgt Ion:	152	Resp:	210098
Ion Ratio	Lower	Upper	
152	100		
115	126.7	39.0	117.0#
150	212.4	0.0	351.0





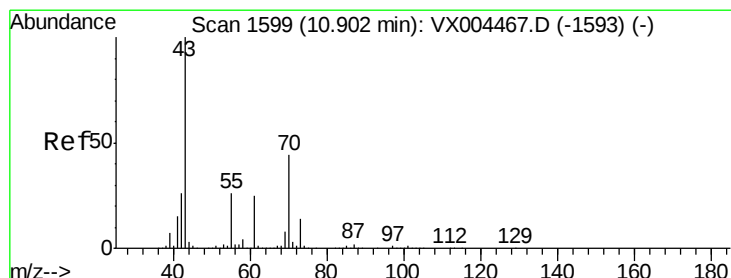
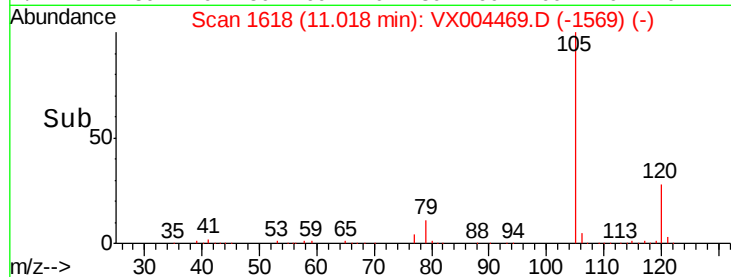
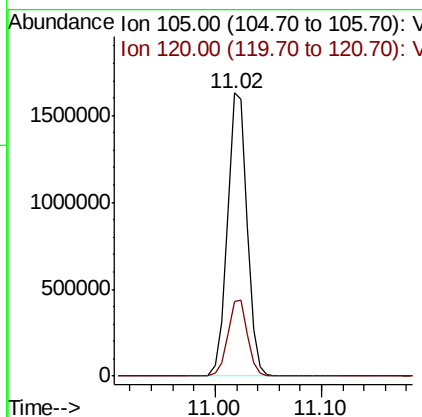
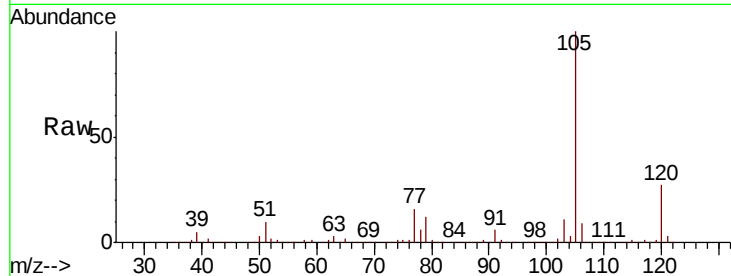
#73
Isopropylbenzene
Concen: 152.96 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 2116475
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4

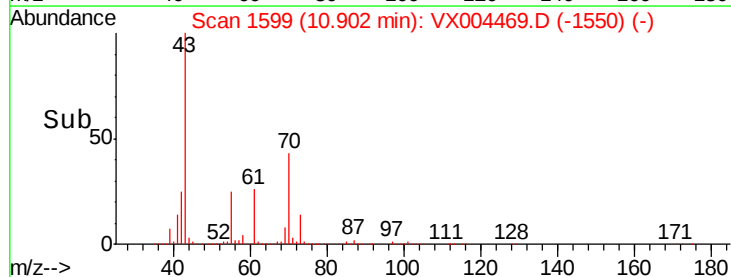
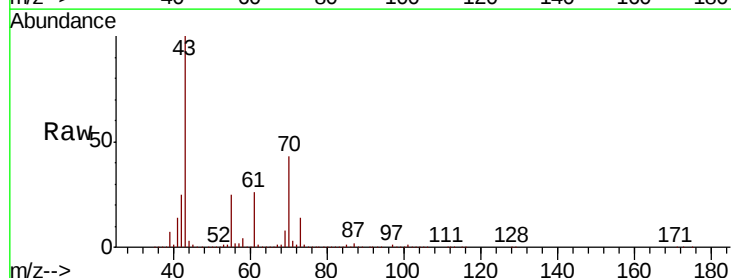
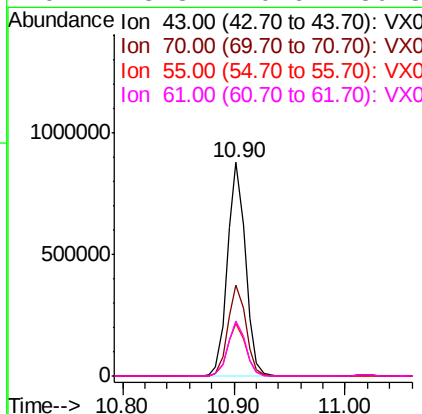
Manual Integrations
APPROVED

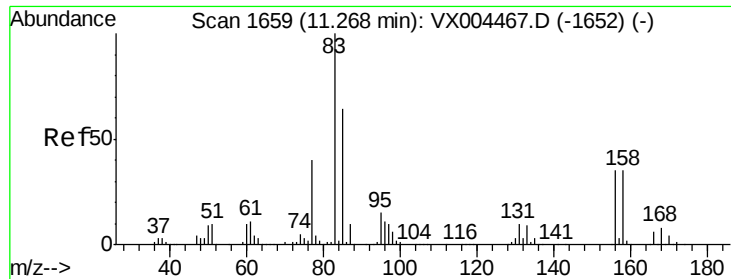
MMDadoda
9/12/2018 11:26:30 AM



#74
N-ethyl acetate
Concen: 167.68 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion: 43 Resp: 976538
Ion Ratio Lower Upper
43 100
70 43.0 37.4 56.0
55 25.0 21.8 32.8
61 25.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 151.22 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

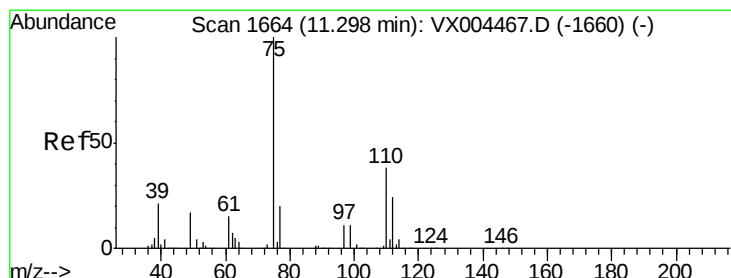
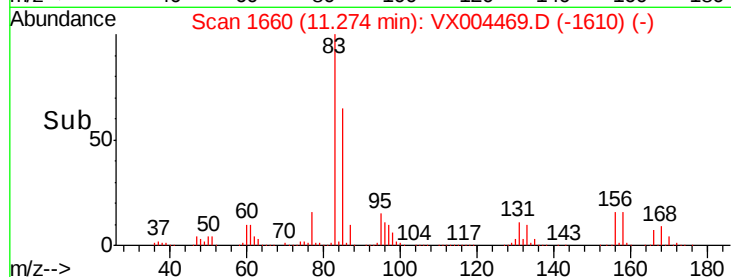
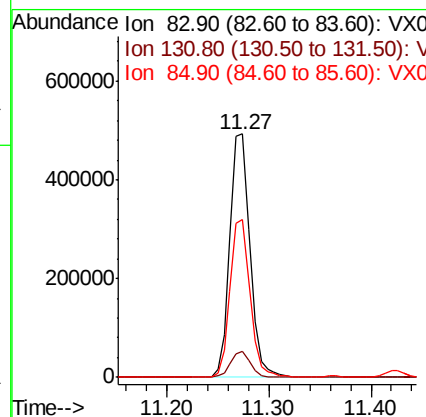
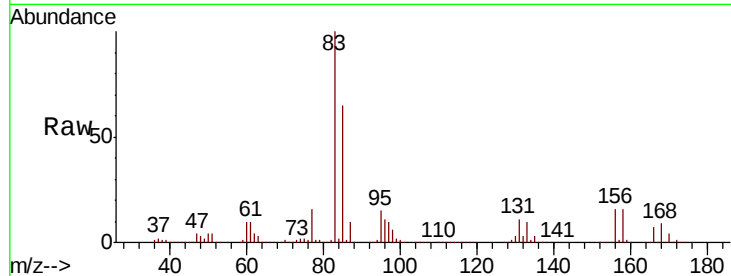
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	674917
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.5	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:30 AM



#76

1,2,3-Trichloropropane

Concen: 148.43 ug/l m

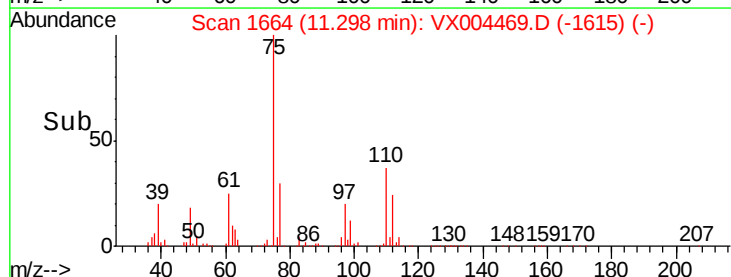
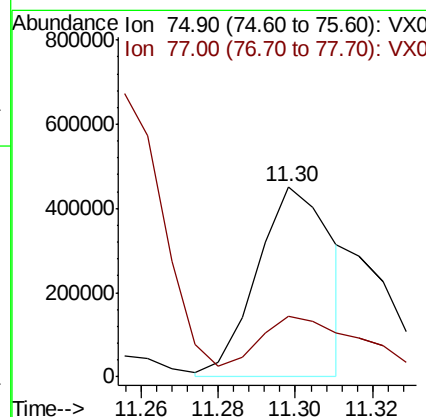
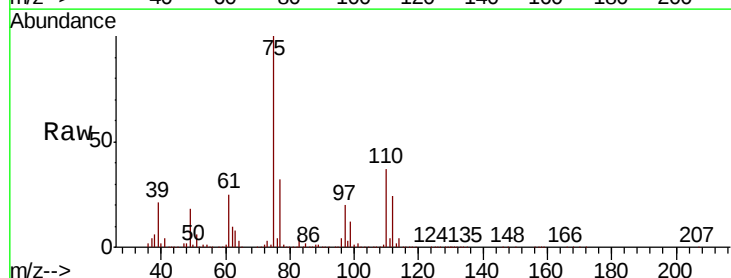
RT: 11.30 min Scan# 1664

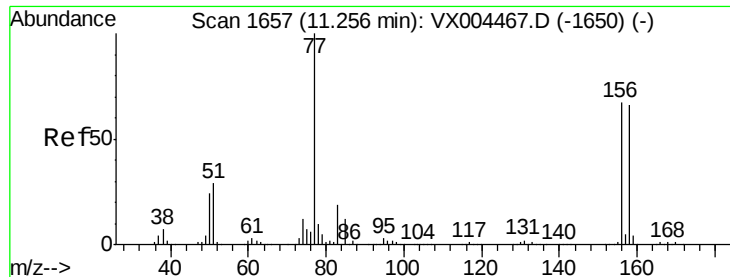
Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tgt Ion:	75	Resp:	609323
Ion Ratio	Lower	Upper	
75	100		
77	44.7	20.2	60.6





#77

Bromobenzene

Concen: 150.65 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 576161

Ion Ratio Lower Upper

156 100

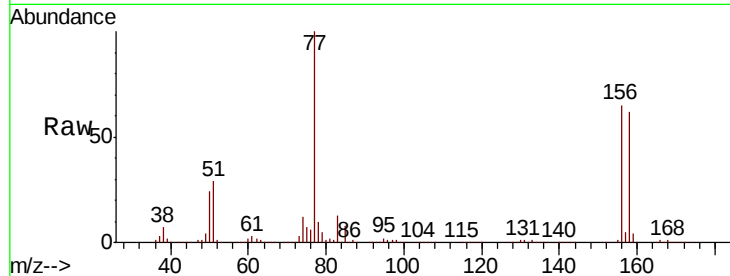
77 146.6 71.5 214.3

158 96.7 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

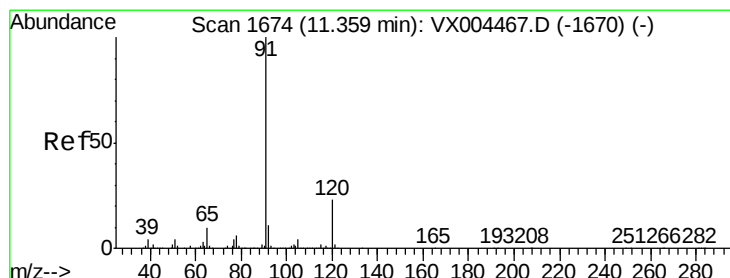
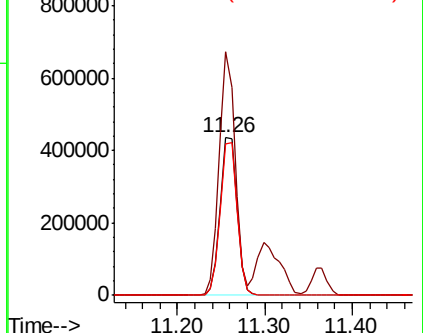
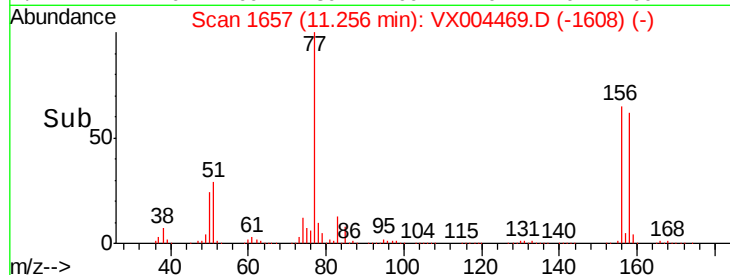
9/12/2018 11:26:30 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 156.14 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VX004469.D

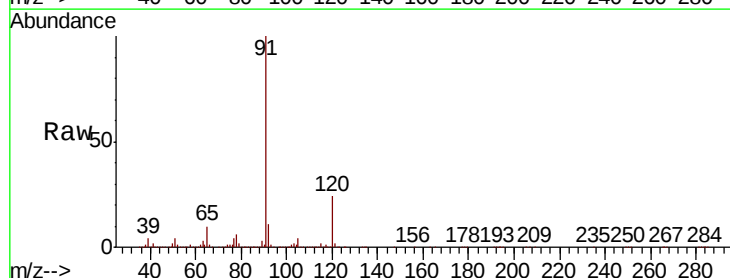
Acq: 11 Sep 2018 14:47

Tgt Ion: 91 Resp: 2484052

Ion Ratio Lower Upper

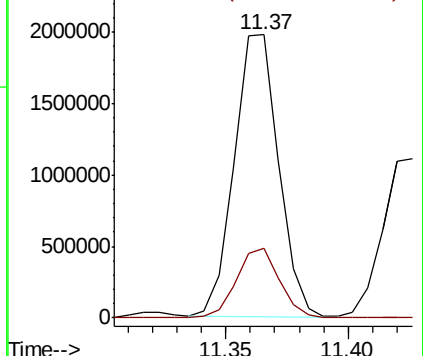
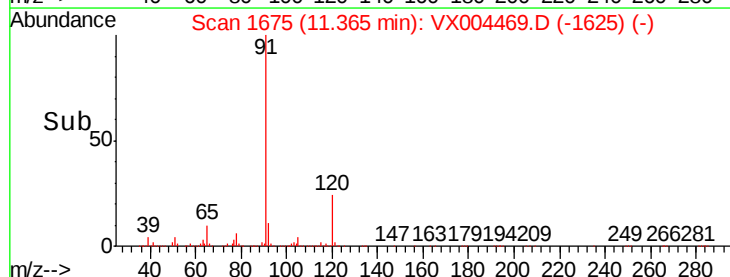
91 100

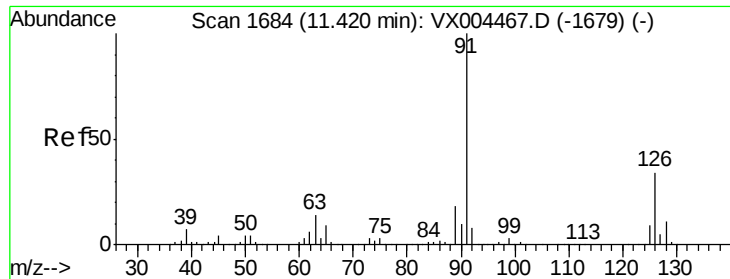
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 150.69 ug/l

RT: 11.43 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1453988

Ion Ratio Lower Upper

91 100

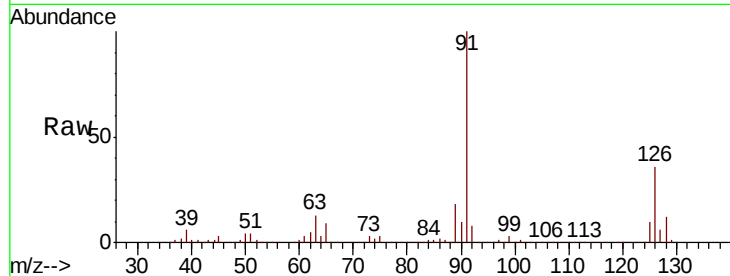
126 35.3 17.9 53.7

Manual Integrations

APPROVED

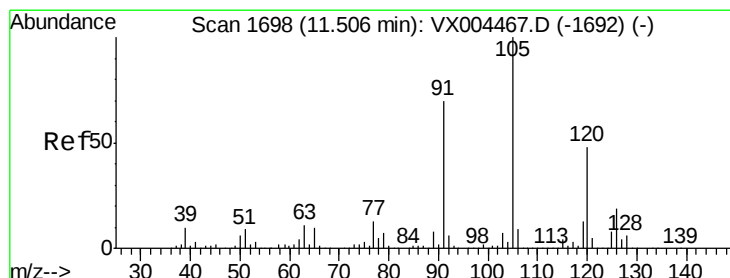
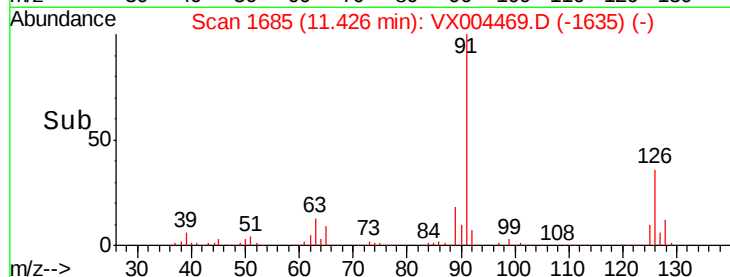
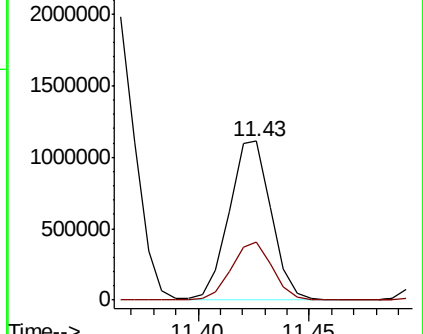
MMDadoda

9/12/2018 11:26:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 158.86 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX004469.D

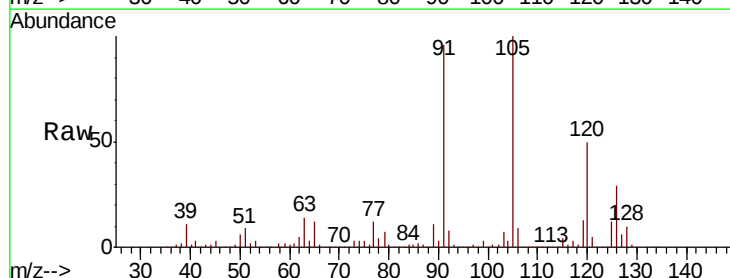
Acq: 11 Sep 2018 14:47

Tgt Ion:105 Resp: 1847847

Ion Ratio Lower Upper

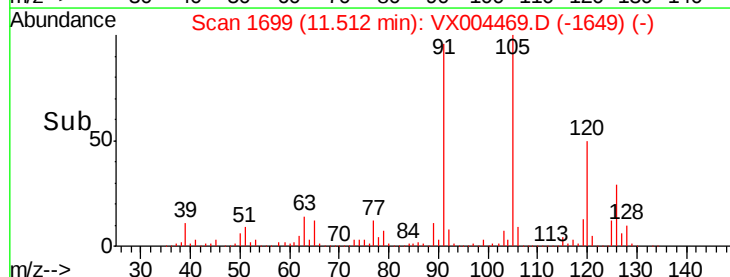
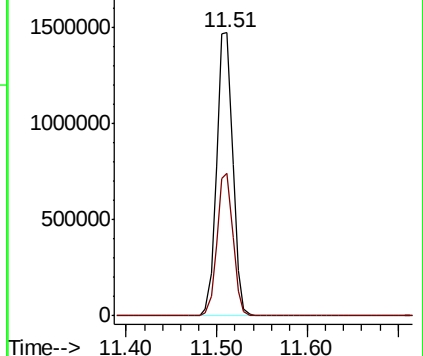
105 100

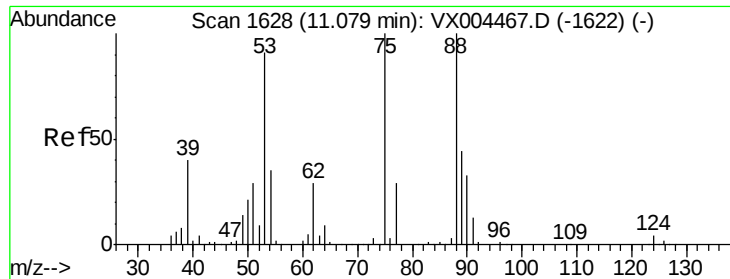
120 49.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





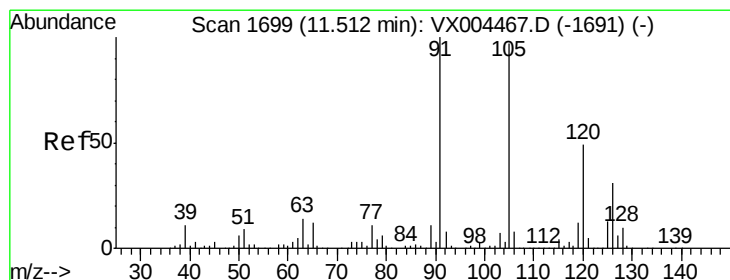
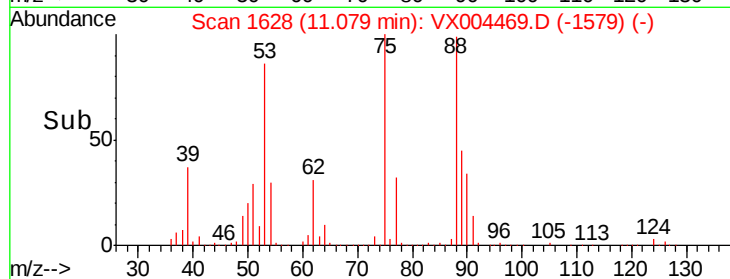
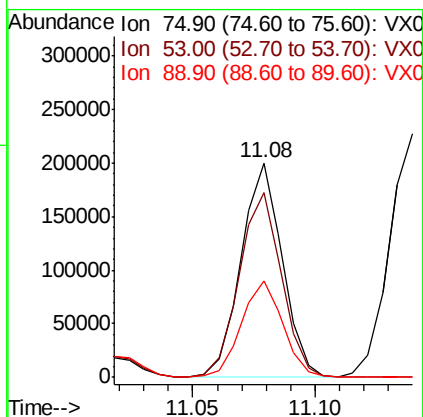
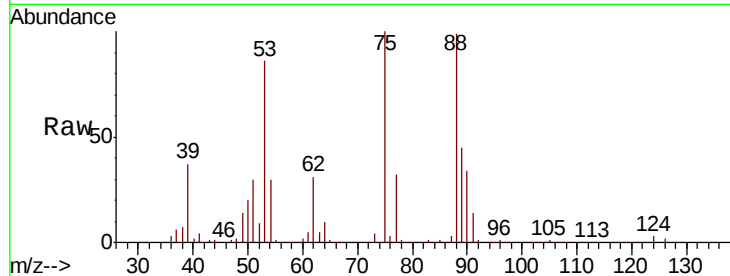
#81
trans-1,4-Dichloro-2-butene
Concen: 175.46 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.7	80.1	120.1
89	45.4	37.2	55.8

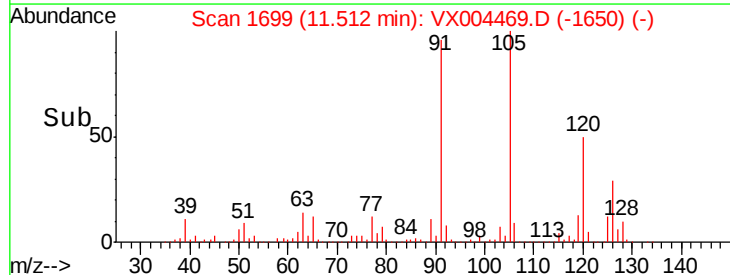
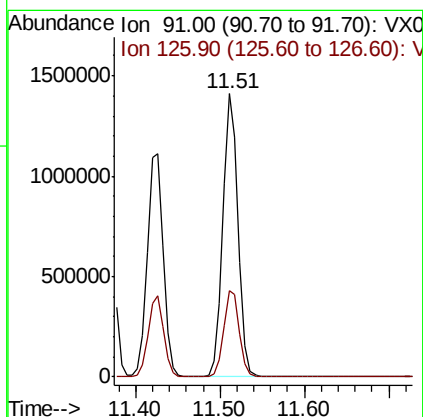
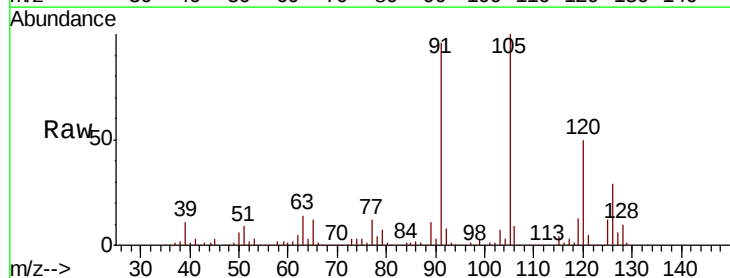
Manual Integrations
APPROVED

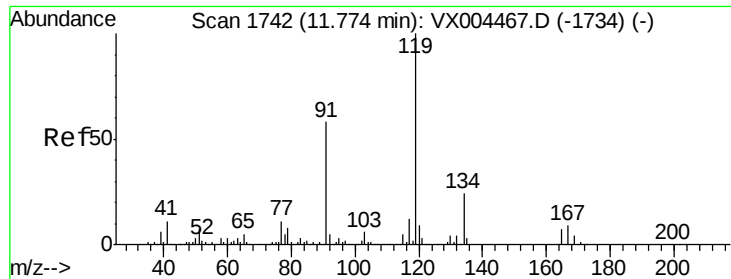
MMDadoda
9/12/2018 11:26:30 AM



#82
4-Chlorotoluene
Concen: 155.84 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.5	46.5





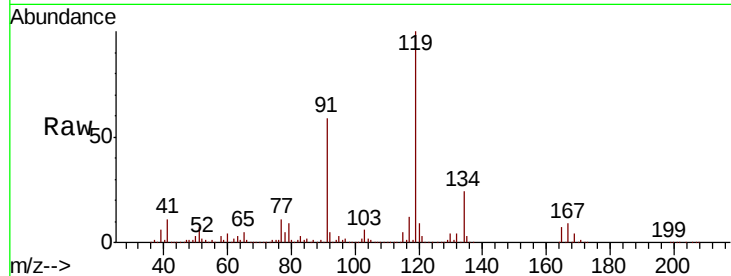
#83
 tert-Butylbenzene
 Concen: 160.94 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

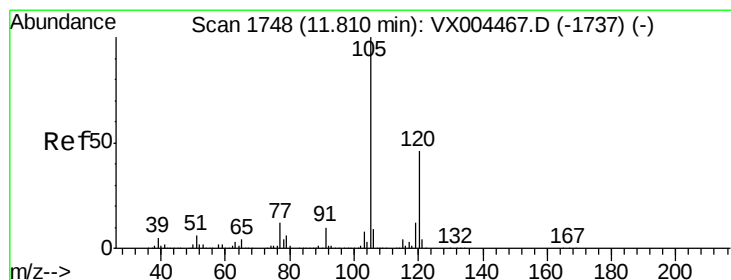
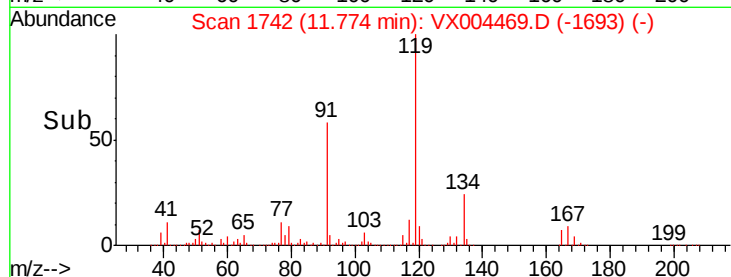
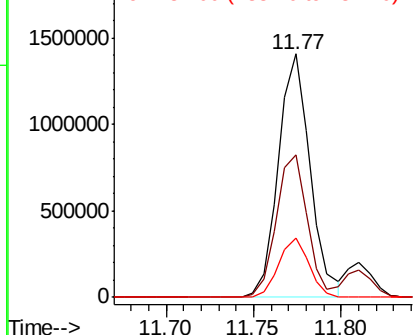
Tot Ion:119 Resp: 1782250
 Ion Ratio Lower Upper
 119 100
 91 57.2 27.0 81.0
 134 23.5 11.7 35.1

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:30 AM

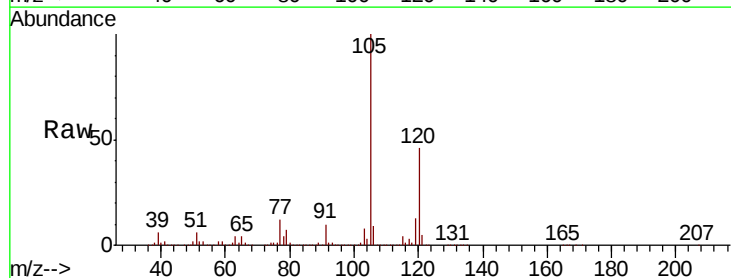


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

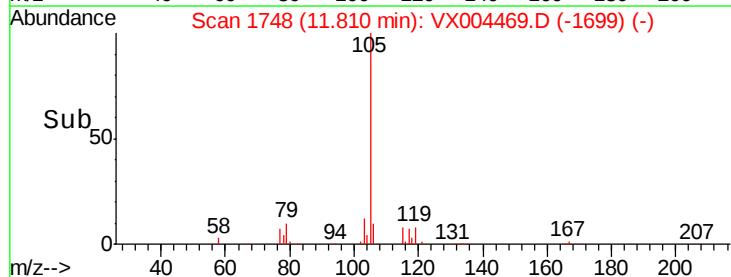
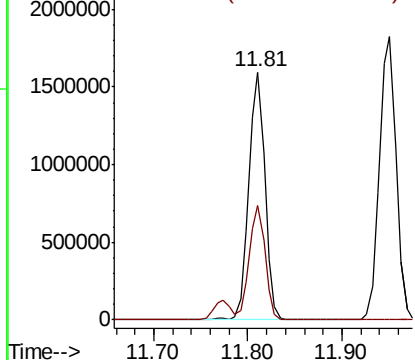


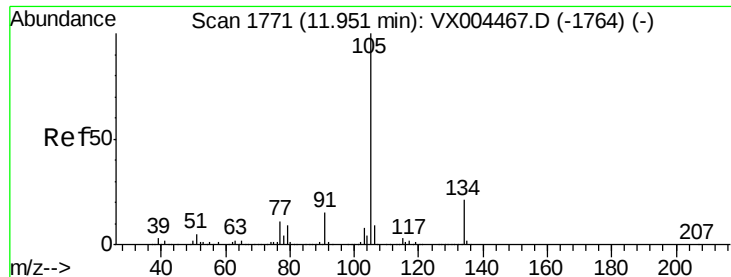
#84
 1,2,4-Trimethylbenzene
 Concen: 160.83 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion:105 Resp: 1910043
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 158.46 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2236213

Ion Ratio Lower Upper

105 100

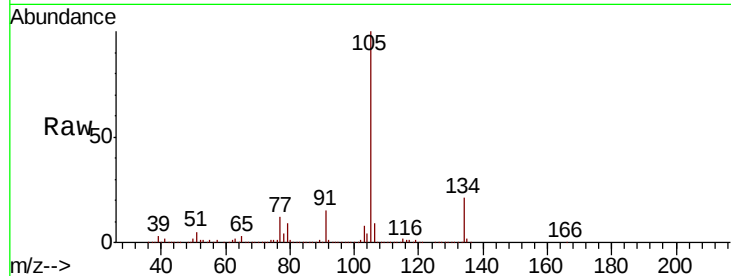
134 20.6 10.5 31.5

Manual Integrations

APPROVED

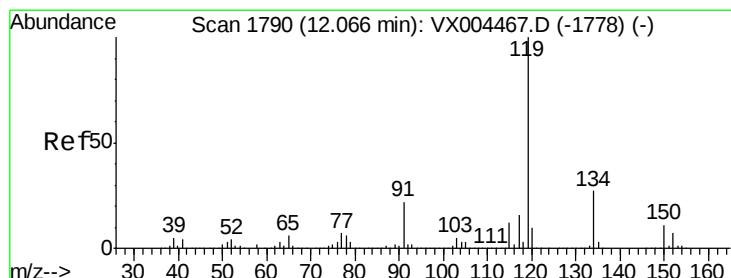
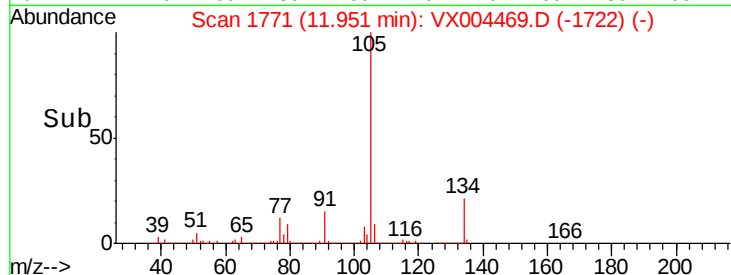
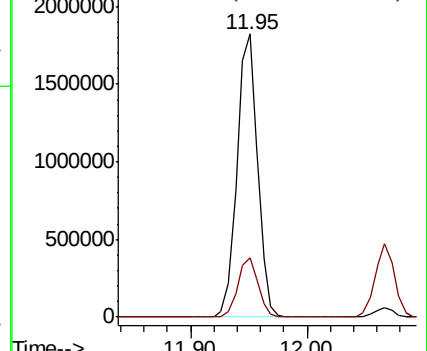
MMDadoda

9/12/2018 11:26:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 163.17 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

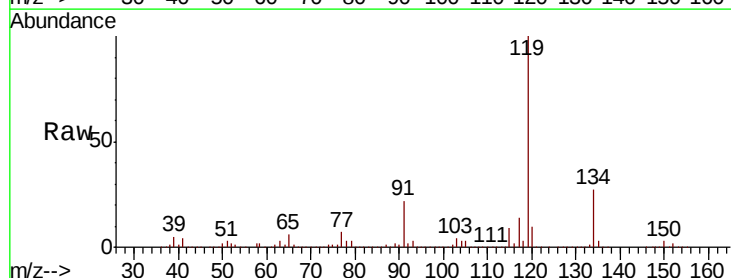
Tgt Ion:119 Resp: 2033456

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

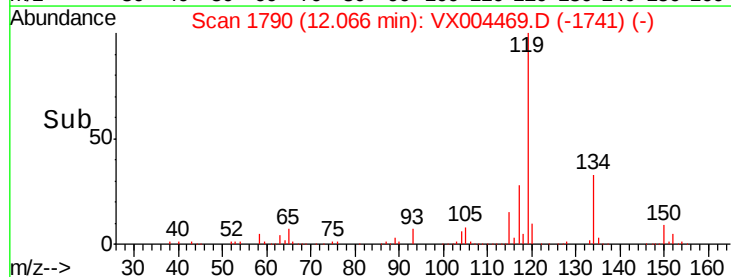
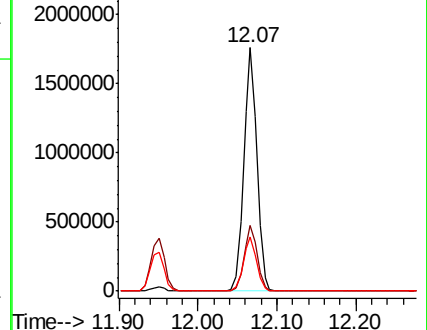
91 22.3 10.9 32.7

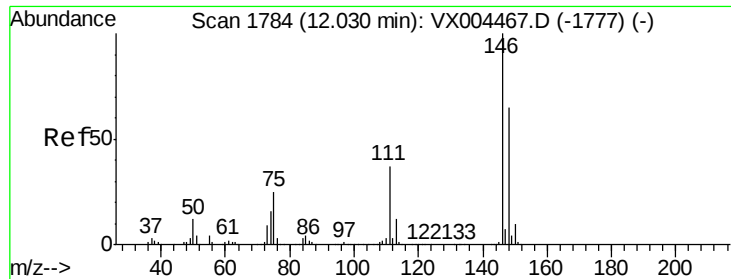


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





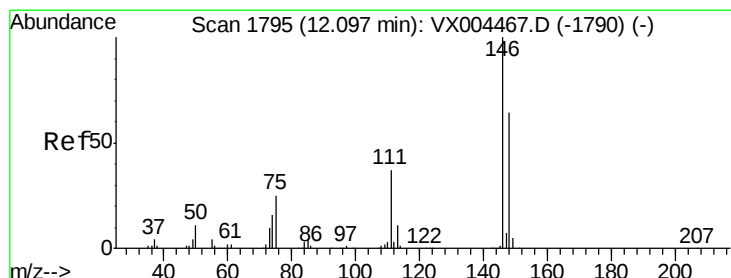
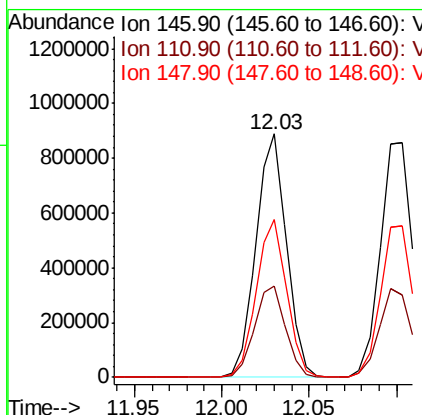
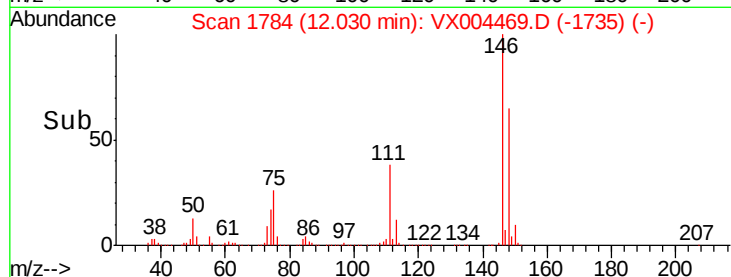
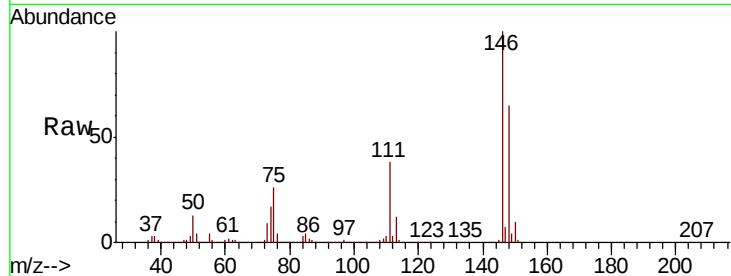
#87
 1,3-Dichlorobenzene
 Concen: 150.94 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.7	56.1
148	64.5	32.1	96.5

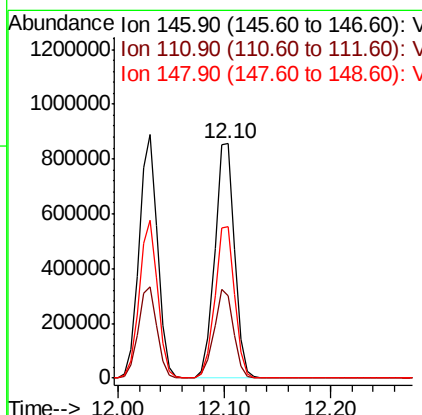
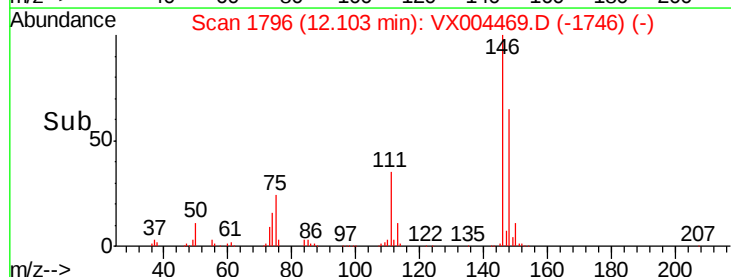
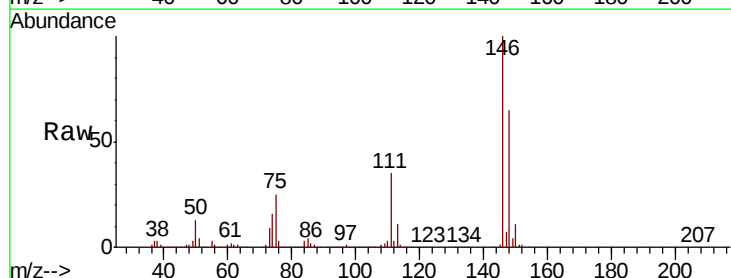
Manual Integrations
 APPROVED

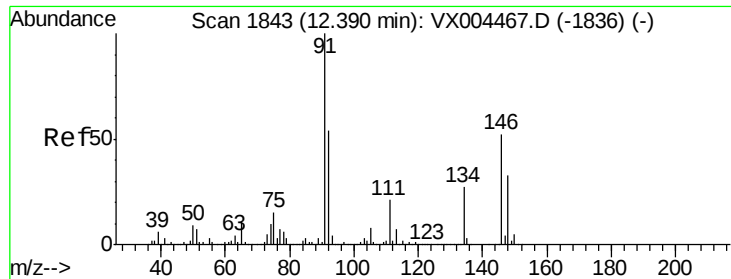
MMDadoda
 9/12/2018 11:26:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 148.87 ug/l
 RT: 12.10 min Scan# 1796
 Delta R.T. 0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	64.3	32.0	96.0





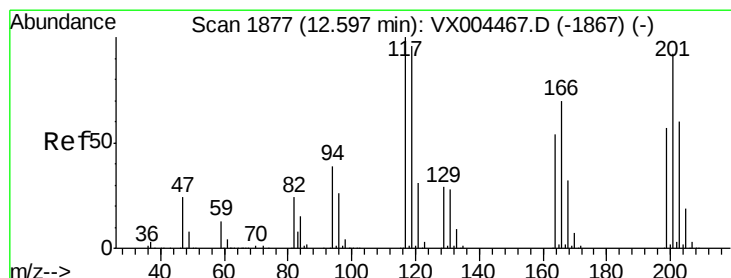
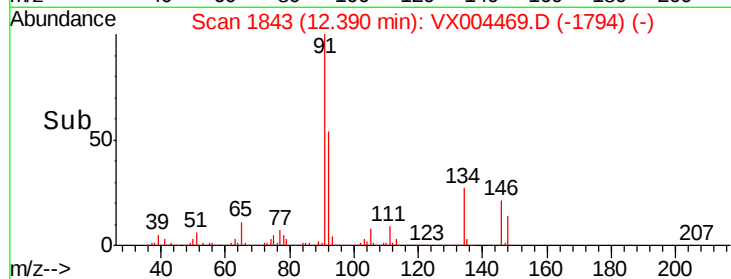
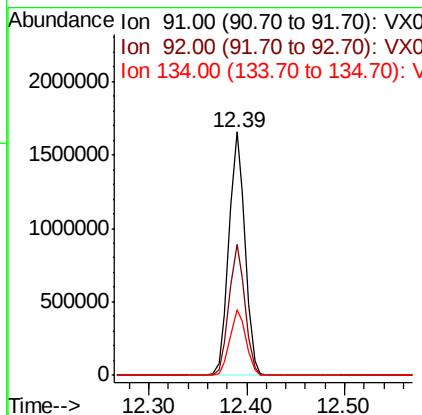
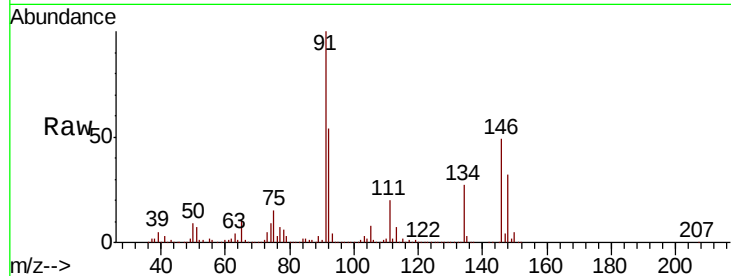
#89
n-Butylbenzene
Concen: 165.98 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 1884877
Ion Ratio Lower Upper
91 100
92 53.3 27.3 81.9
134 27.0 13.6 40.7

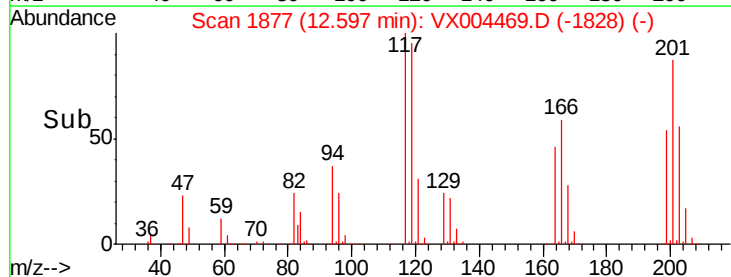
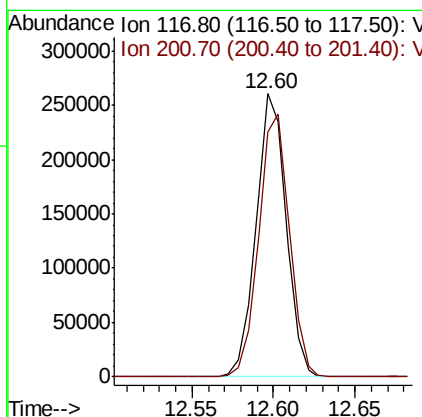
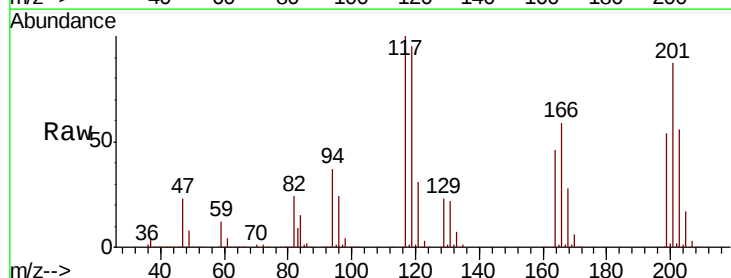
Manual Integrations
APPROVED

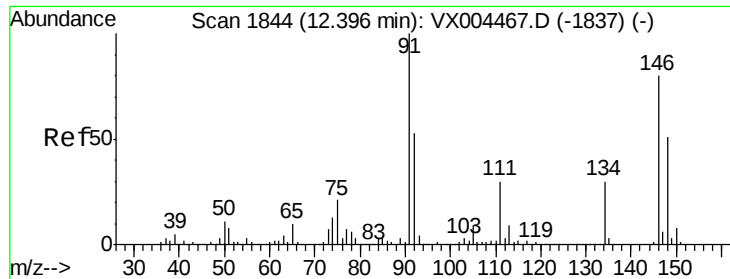
MMDadoda
9/12/2018 11:26:30 AM



#90
Hexachloroethane
Concen: 166.95 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion: 117 Resp: 333071
Ion Ratio Lower Upper
117 100
201 94.3 46.9 140.6





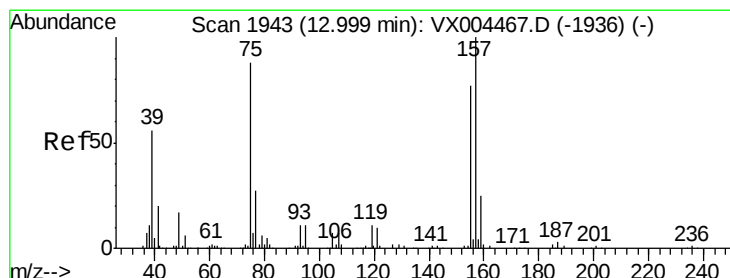
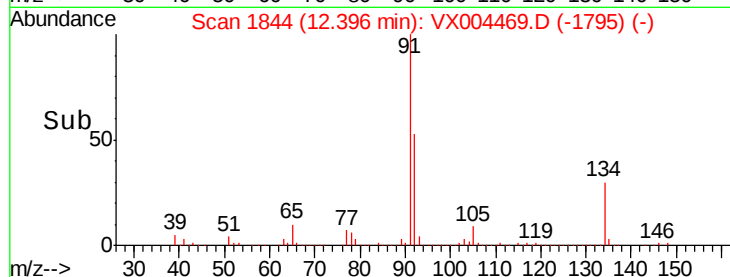
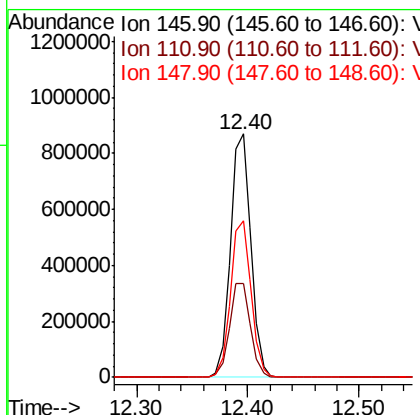
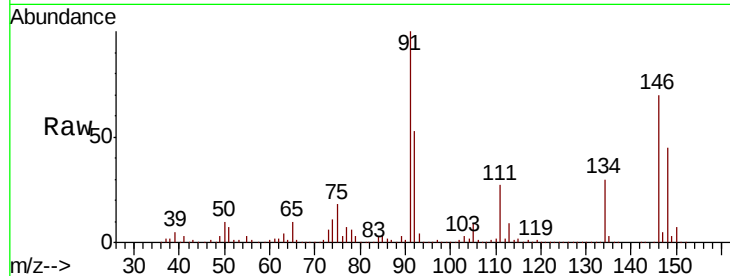
#91
 1,2-Dichlorobenzene
 Concen: 151.63 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1095132
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.4 58.1
 148 64.3 32.8 98.3

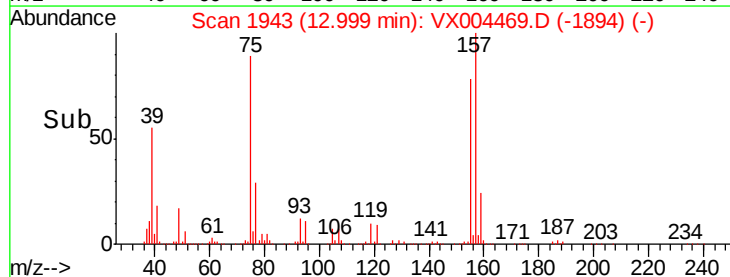
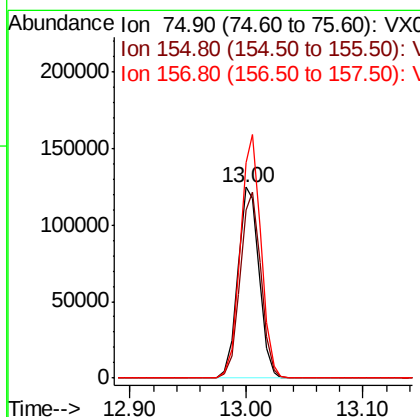
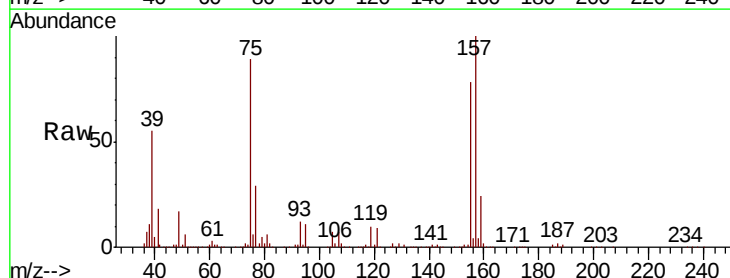
Manual Integrations
 APPROVED

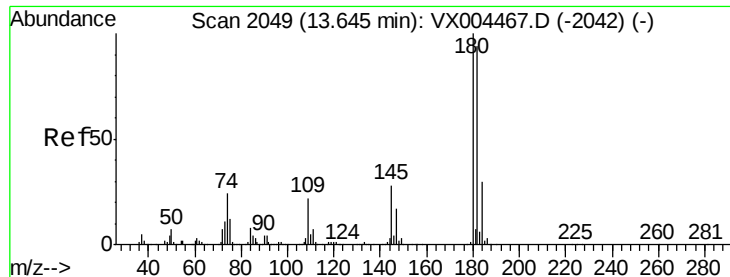
MMDadoda
 9/12/2018 11:26:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 165.80 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion: 75 Resp: 158007
 Ion Ratio Lower Upper
 75 100
 155 95.5 48.0 144.2
 157 123.8 61.4 184.1





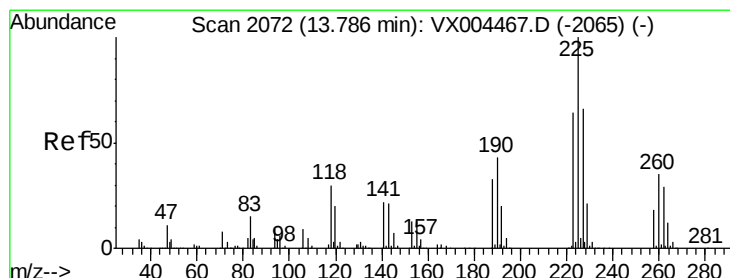
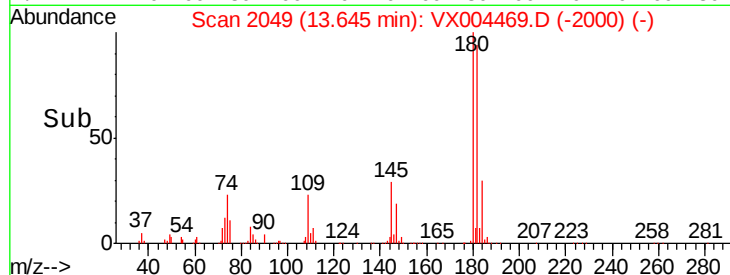
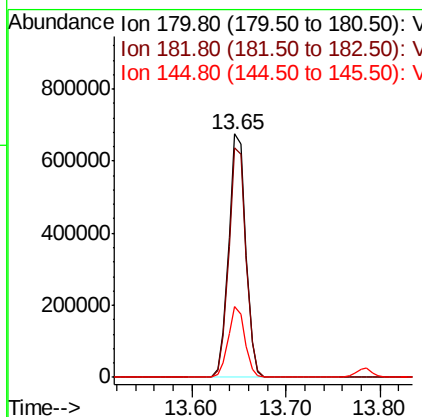
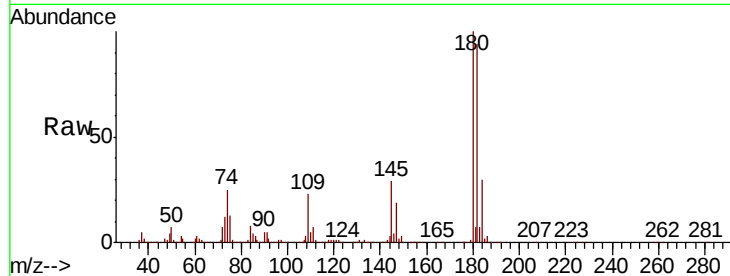
#93
 1,2,4-Trichlorobenzene
 Concen: 165.65 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	180	Resp:	847119
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.4	145.0
145	28.1	14.3	42.9

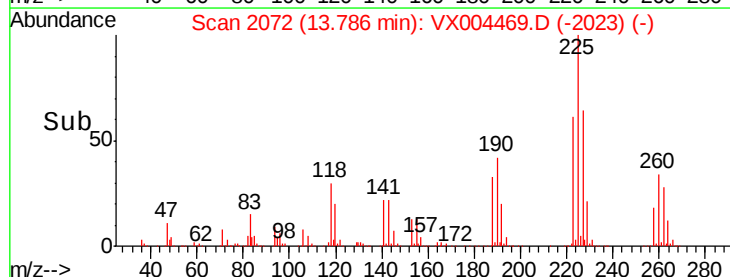
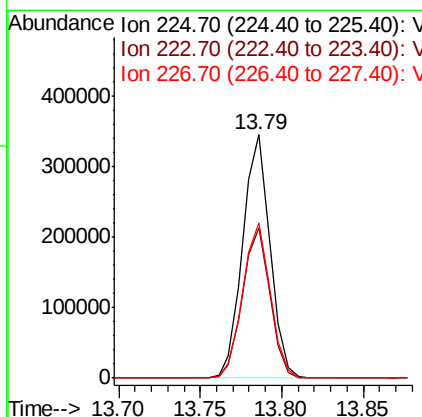
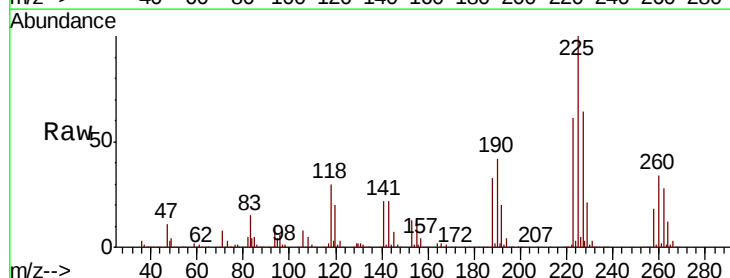
Manual Integrations
 APPROVED

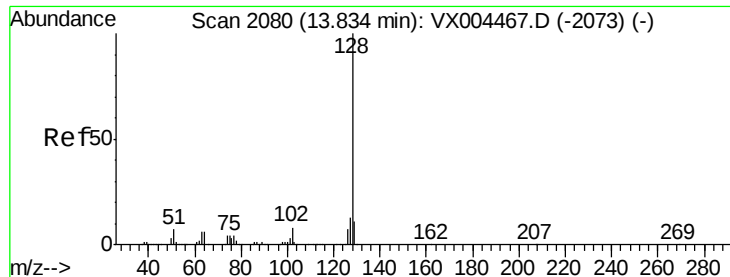
MMDadoda
 9/12/2018 11:26:30 AM



#94
 Hexachlorobutadiene
 Concen: 151.54 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion:	225	Resp:	404797
Ion Ratio	Lower	Upper	
225	100		
223	62.1	30.1	90.5
227	64.3	30.8	92.4





#95

Naphthalene

Concen: 170.56 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2446438

Ion Ratio Lower Upper

128 100

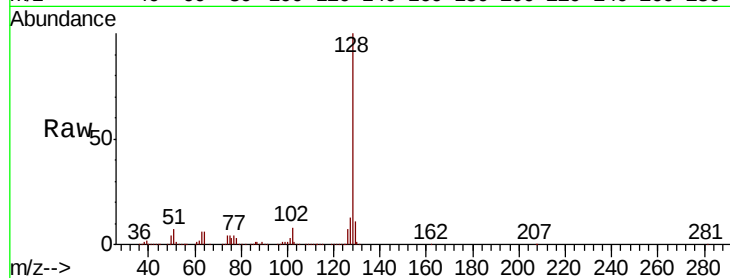
127 12.9 10.2 15.2

129 11.0 8.6 12.8

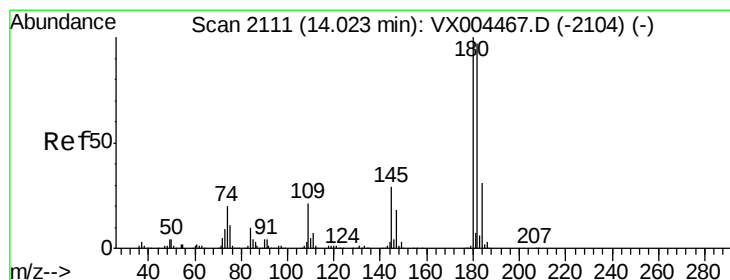
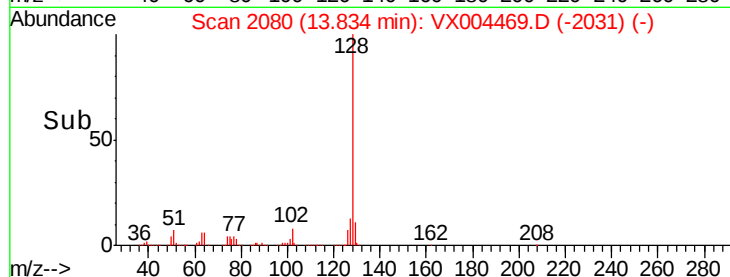
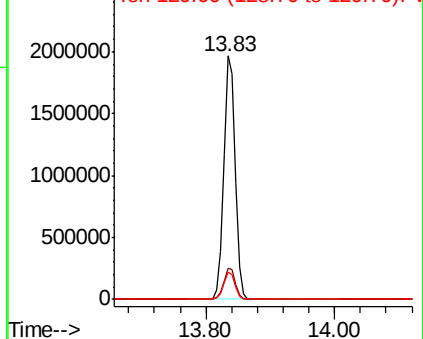
Manual Integrations
APPROVED

MMDadoda

9/12/2018 11:26:30 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 158.78 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

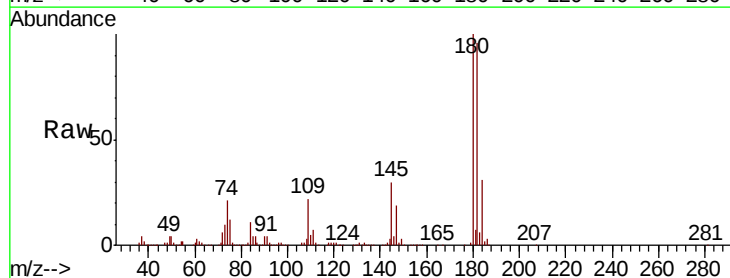
Tgt Ion:180 Resp: 834213

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.6

145 30.0 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

