

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112618\
 Data File : VX006193.D
 Acq On : 27 Nov 2018 00:04
 Operator : JC/MD
 Sample : VX1126WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 11:43:58 AM

Quant Time: Nov 27 04:28:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	369460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201966	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	159331	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	5.50	113	126440	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	8.71	98	476187	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.14	95	171712	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	39369	19.96	ug/l	99
3) Chloromethane	1.32	50	48592	19.50	ug/l	98
4) Vinyl Chloride	1.41	62	48281	19.05	ug/l	93
5) Bromomethane	1.64	94	31899	18.86	ug/l	98
6) Chloroethane	1.72	64	30878	29.79	ug/l	99
7) Trichlorofluoromethane	1.93	101	78379	23.64	ug/l	98
8) Diethyl Ether	2.19	74	29865	21.31	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	40516	20.61	ug/l	99
10) Methyl Iodide	2.51	142	41554	16.86	ug/l	99
11) Tert butyl alcohol	3.07	59	72292	110.48	ug/l	98
12) 1,1-Dichloroethene	2.37	96	40979	21.38	ug/l	98
13) Acrolein	2.29	56	38312	97.85	ug/l	97
14) Allyl chloride	2.73	41	78298	19.97	ug/l	99
15) Acrylonitrile	3.15	53	149992	103.78	ug/l	99
16) Acetone	2.45	43	147786	108.27	ug/l	95
17) Carbon Disulfide	2.57	76	104237	20.14	ug/l	98
18) Methyl Acetate	2.78	43	78565	22.44	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	136981	20.67	ug/l	99
20) Methylene Chloride	2.86	84	44555	21.37	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	39530	19.71	ug/l	98
22) Diisopropyl ether	3.87	45	180447	21.49	ug/l	99
23) Vinyl Acetate	3.82	43	762840	109.53	ug/l	100
24) 1,1-Dichloroethane	3.70	63	83002	20.99	ug/l	98
25) 2-Butanone	4.70	43	263489	104.00	ug/l	100
26) 2,2-Dichloropropane	4.58	77	58419	17.92	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	55546	19.82	ug/l	99
28) Bromochloromethane	5.01	49	50684	21.99	ug/l	100
29) Tetrahydrofuran	5.15	42	166907	105.61	ug/l	98
30) Chloroform	5.21	83	98046	20.46	ug/l	99
31) Cyclohexane	5.58	56	75694	18.32	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	82278	21.26	ug/l	100
36) 1,1-Dichloropropene	5.80	75	67222	18.95	ug/l	98
37) Ethyl Acetate	4.85	43	94771	20.77	ug/l	99
38) Carbon Tetrachloride	5.78	117	69391	20.81	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112618\
 Data File : VX006193.D
 Acq On : 27 Nov 2018 00:04
 Operator : JC/MD
 Sample : VX1126WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1126WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 11:43:58 AM

Quant Time: Nov 27 04:28:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	70670	17.49	ug/l	98
40) Benzene	6.14	78	208216	19.92	ug/l	97
41) Methacrylonitrile	5.06	41	52648	20.93	ug/l	98
42) 1,2-Dichloroethane	6.20	62	80931	20.71	ug/l	99
43) Isopropyl Acetate	6.46	43	134296	20.38	ug/l	99
44) Trichloroethene	7.21	130	57321	19.73	ug/l	97
45) 1,2-Dichloropropane	7.51	63	55286	19.99	ug/l	99
46) Dibromomethane	7.66	93	38529	20.34	ug/l	99
47) Bromodichloromethane	7.90	83	72545	20.71	ug/l	99
48) Methyl methacrylate	7.77	41	72474	21.68	ug/l	98
49) 1,4-Dioxane	7.75	88	31654	399.16	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	501051	106.04	ug/l	99
52) Toluene	8.79	92	133247	20.61	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	74335	20.33	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	80286	19.87	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	57004	20.36	ug/l	98
56) Ethyl methacrylate	9.18	69	78967	19.94	ug/l	98
57) 1,3-Dichloropropane	9.37	76	94366	20.45	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	241575	103.34	ug/l	99
59) 2-Hexanone	9.49	43	399546	106.55	ug/l	98
60) Dibromochloromethane	9.59	129	57557	20.97	ug/l	98
61) 1,2-Dibromoethane	9.67	107	60245	20.89	ug/l	99
64) Tetrachloroethene	9.34	164	62021	20.40	ug/l	96
65) Chlorobenzene	10.14	112	149071	19.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	54450	20.93	ug/l	97
67) Ethyl Benzene	10.25	91	245550	19.79	ug/l	100
68) m/p-Xylenes	10.36	106	192989	39.94	ug/l	100
69) o-Xylene	10.70	106	92103	19.96	ug/l	99
70) Styrene	10.71	104	152972	20.33	ug/l	99
71) Bromoform	10.86	173	46698	20.05	ug/l #	99
73) Isopropylbenzene	11.02	105	251379	20.57	ug/l	99
74) N-amyl acetate	10.90	43	117202	20.18	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	93534	20.31	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	89457m	21.51	ug/l	
77) Bromobenzene	11.26	156	69189	20.21	ug/l	99
78) n-propylbenzene	11.36	91	290003	20.38	ug/l	100
79) 2-Chlorotoluene	11.42	91	174865	20.31	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	212865	20.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	23487	19.10	ug/l	97
82) 4-Chlorotoluene	11.51	91	206497	20.55	ug/l	100
83) tert-Butylbenzene	11.77	119	202145	20.10	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	219171	20.85	ug/l	98
85) sec-Butylbenzene	11.94	105	252514	20.52	ug/l	99
86) p-Isopropyltoluene	12.07	119	223176	20.35	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	124843	19.78	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	127424	19.47	ug/l	98
89) n-Butylbenzene	12.39	91	188499	18.98	ug/l	98
90) Hexachloroethane	12.60	117	36205	20.68	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	125531	19.45	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22204	20.78	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX112618\
Data File : VX006193.D
Acq On : 27 Nov 2018 00:04
Operator : JC/MD
Sample : VX1126WBSD02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

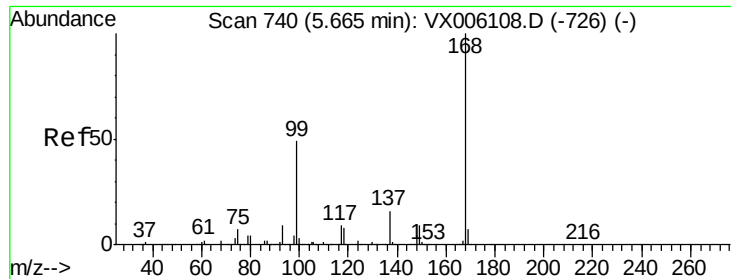
Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM

Quant Time: Nov 27 04:28:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 08:15:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	87593	19.27	ug/l	98
94) Hexachlorobutadiene	13.79	225	42480	19.17	ug/l	99
95) Naphthalene	13.83	128	274477	20.53	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	92465	19.95	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 168 Resp: 265459

Ion Ratio Lower Upper

168 100

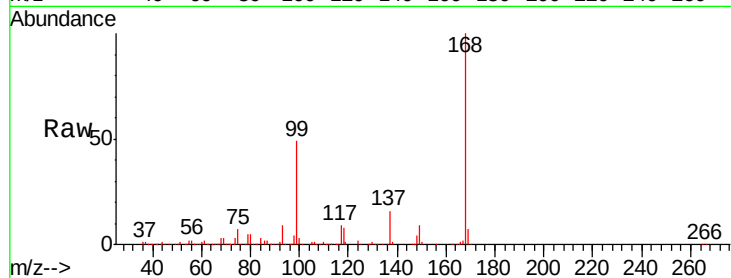
99 49.3 39.2 58.8

Manual Integrations

APPROVED

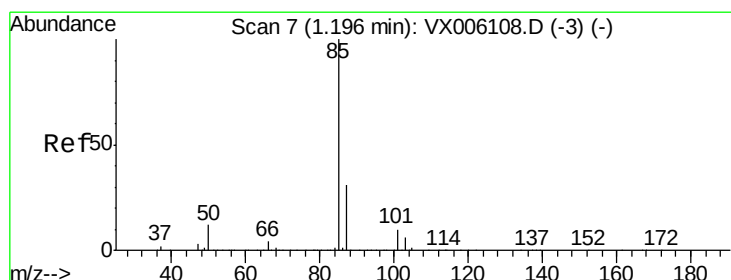
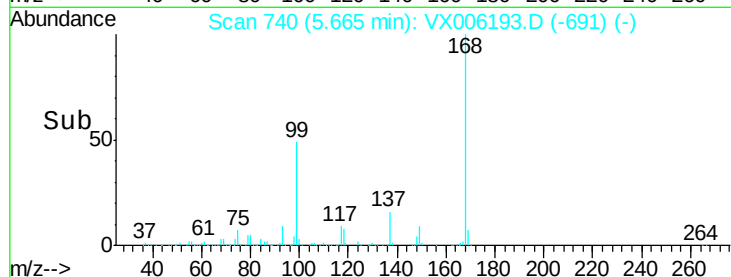
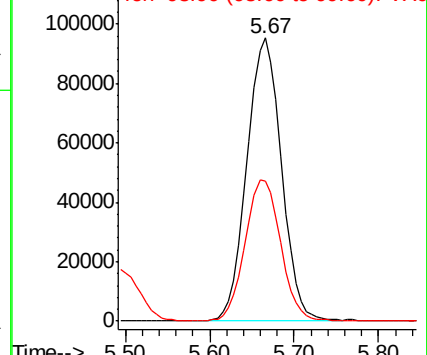
MMDadoda

11/27/2018 11:43:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.96 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006193.D

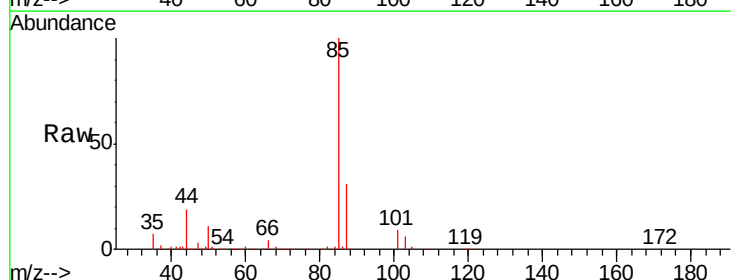
Acq: 27 Nov 2018 00:04

Tgt Ion: 85 Resp: 39369

Ion Ratio Lower Upper

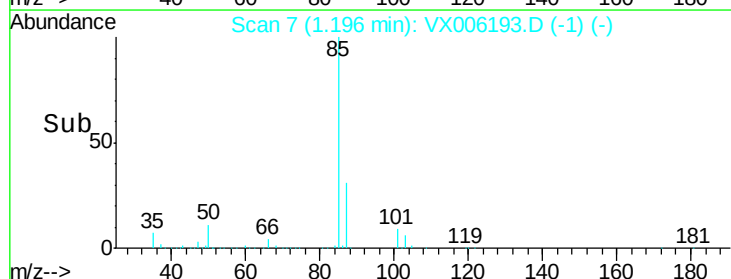
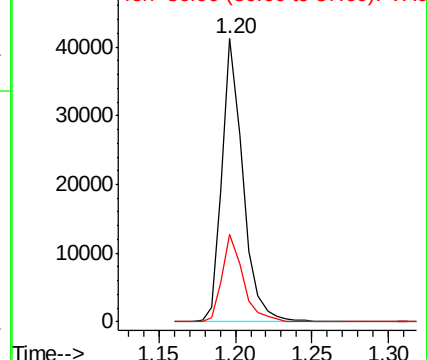
85 100

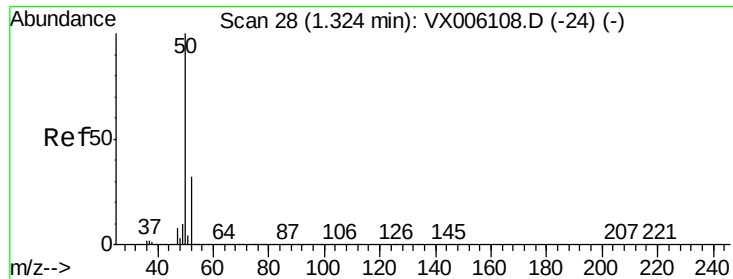
87 30.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.50 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 50 Resp: 48592

Ion Ratio Lower Upper

50 100

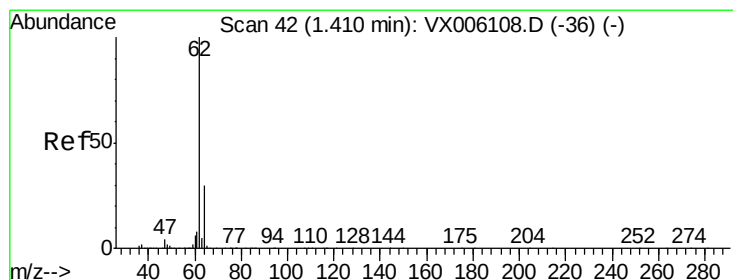
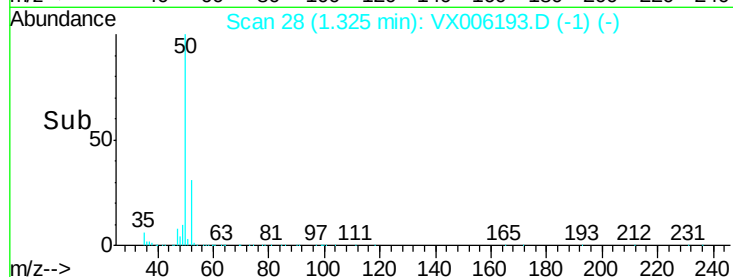
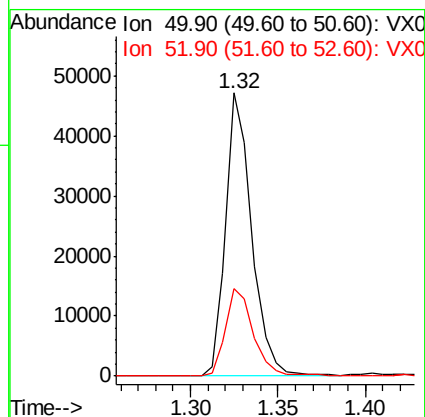
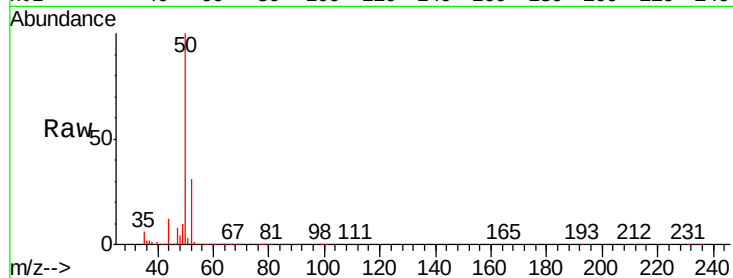
52 30.9 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

11/27/2018 11:43:58 AM



#4

Vinyl Chloride

Concen: 19.05 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006193.D

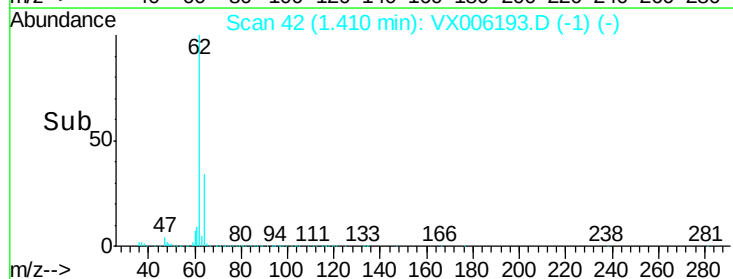
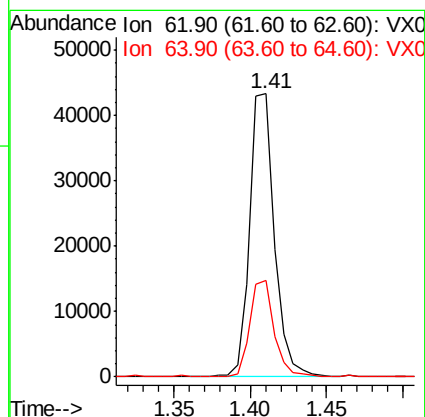
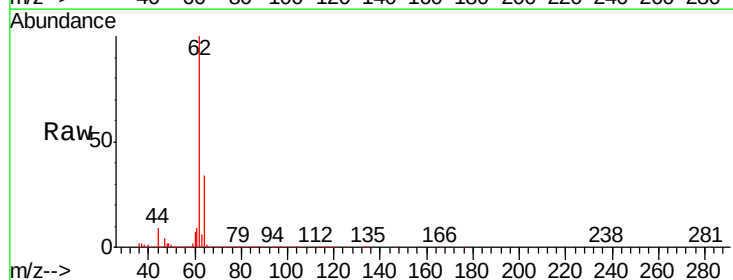
Acq: 27 Nov 2018 00:04

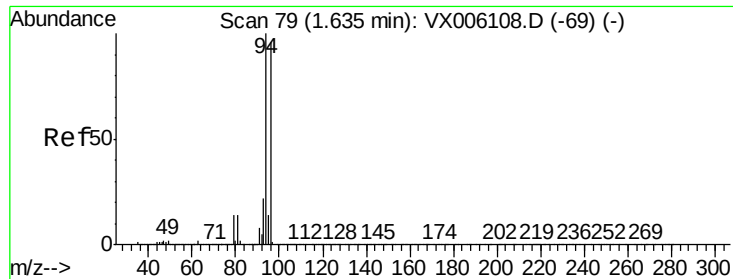
Tgt Ion: 62 Resp: 48281

Ion Ratio Lower Upper

62 100

64 34.0 24.2 36.4





#5

Bromomethane

Concen: 18.86 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 94 Resp: 31899

Ion Ratio Lower Upper

94 100

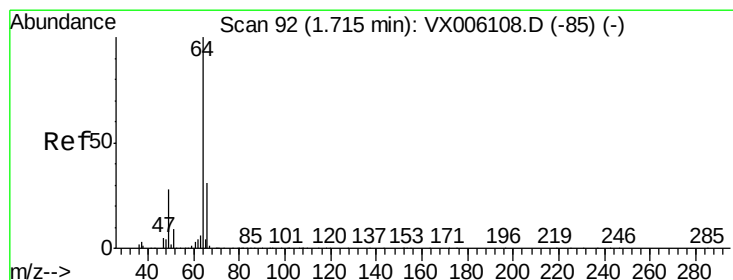
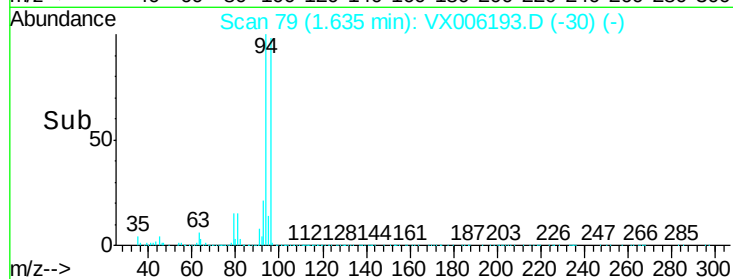
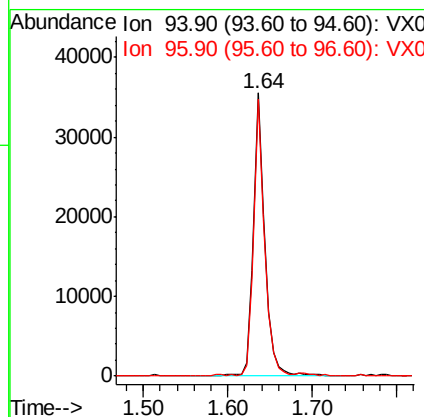
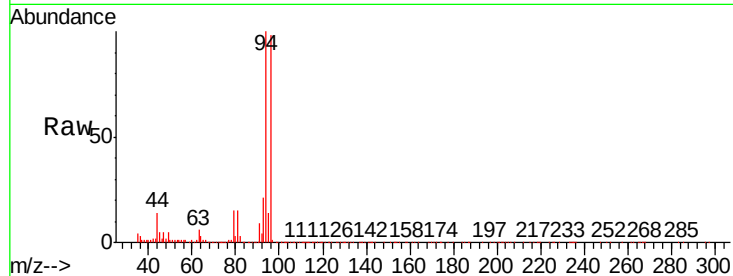
96 97.9 76.7 115.1

Manual Integrations

APPROVED

MMDadoda

11/27/2018 11:43:58 AM



#6

Chloroethane

Concen: 29.79 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006193.D

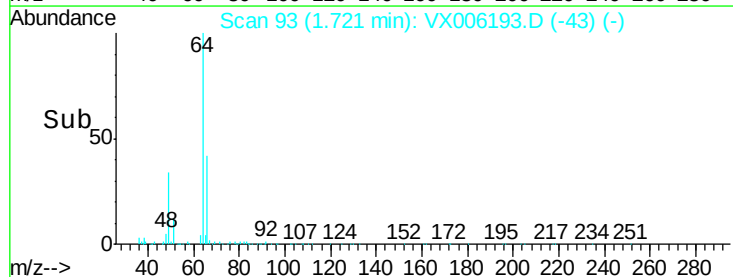
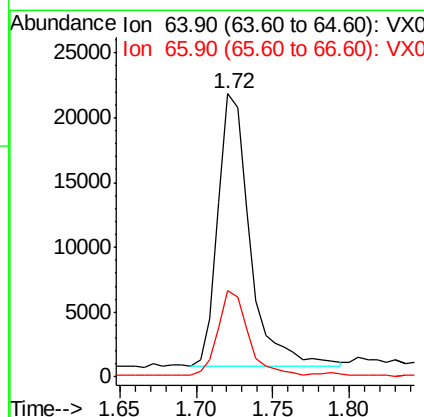
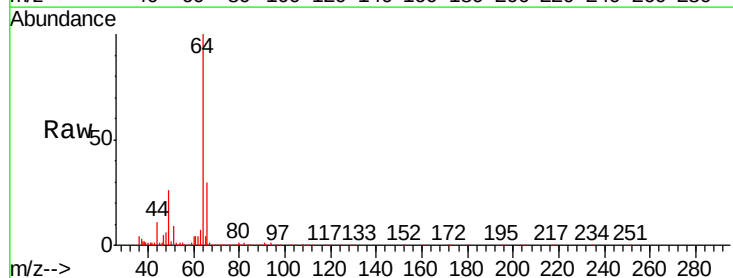
Acq: 27 Nov 2018 00:04

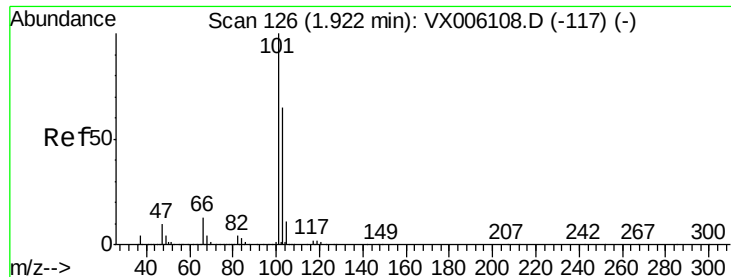
Tgt Ion: 64 Resp: 30878

Ion Ratio Lower Upper

64 100

66 30.8 25.1 37.7





#7

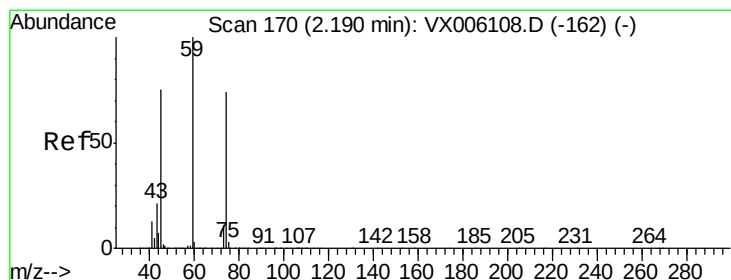
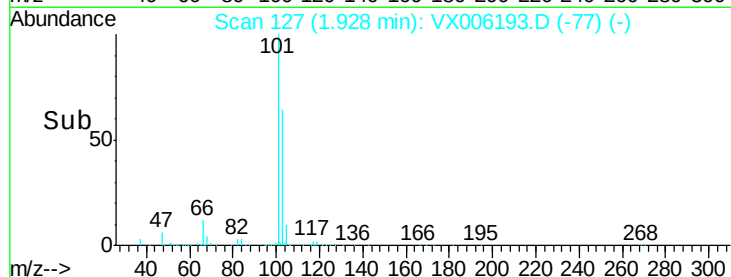
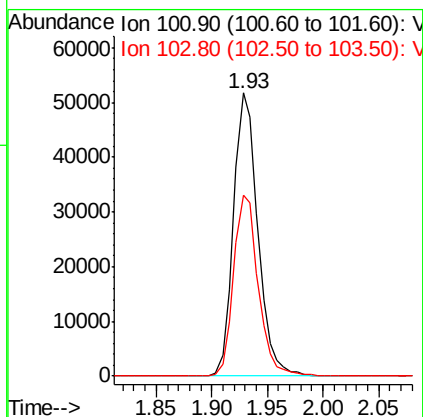
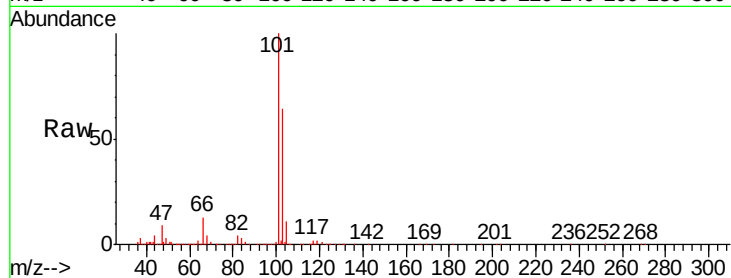
Trichlorofluoromethane
Concen: 23.64 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.1	78.1

Manual Integrations
APPROVED

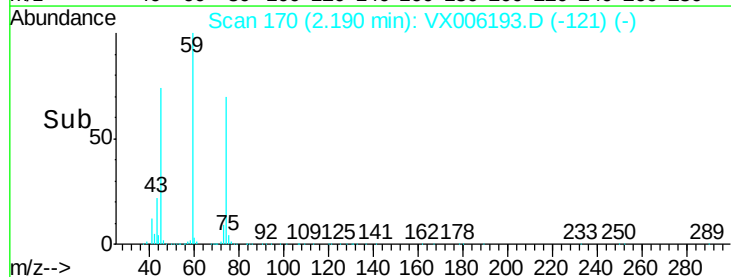
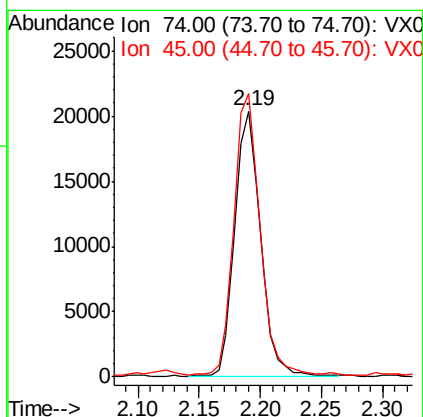
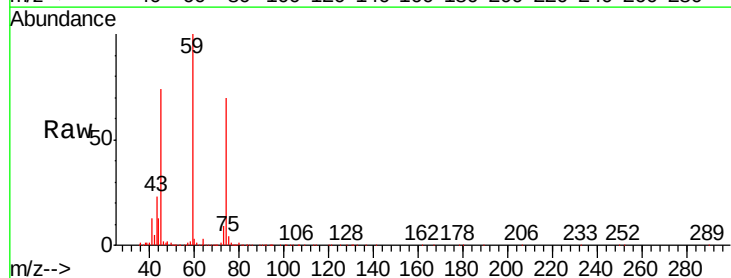
MMDadoda
11/27/2018 11:43:58 AM

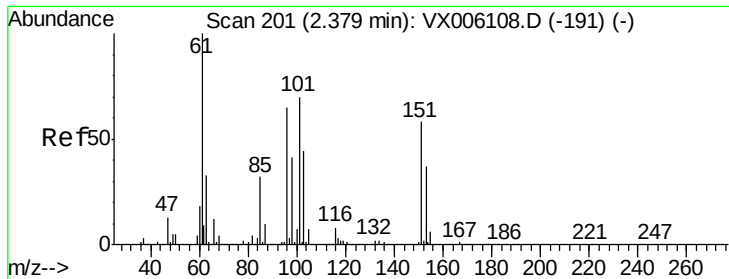


#8

Diethyl Ether
Concen: 21.31 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.2	156.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.61 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

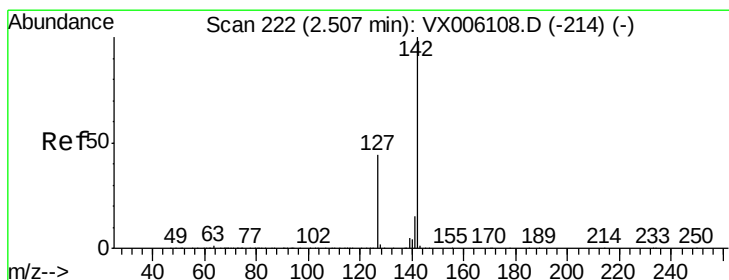
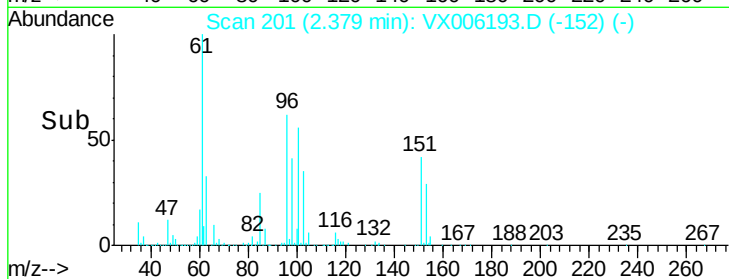
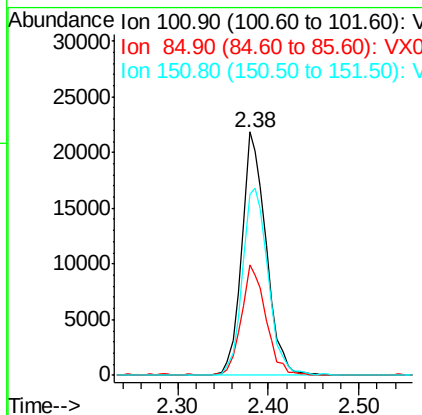
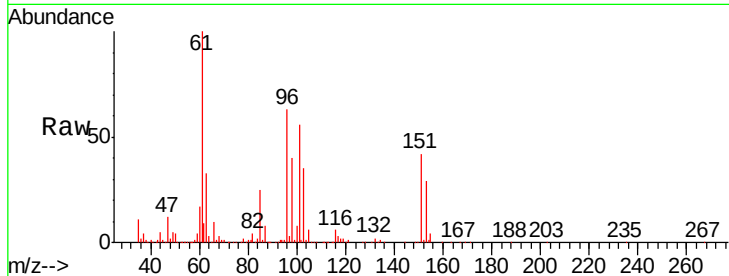
ClientSampleId :

VX1126WBSD02

Tgt Ion:	101	Resp:	40516
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.0	54.0
151	81.5	65.8	98.6

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#10

Methyl Iodide

Concen: 16.86 ug/l

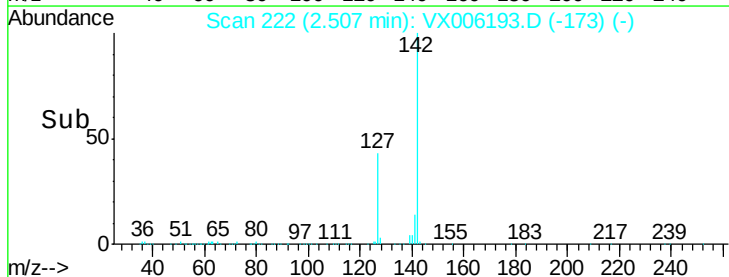
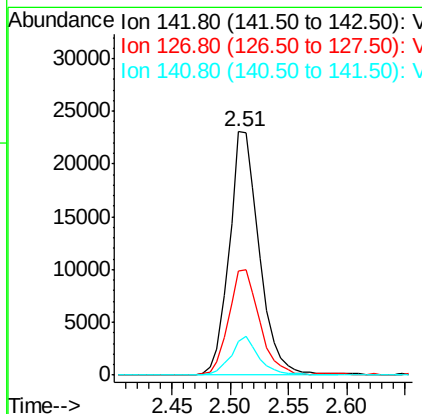
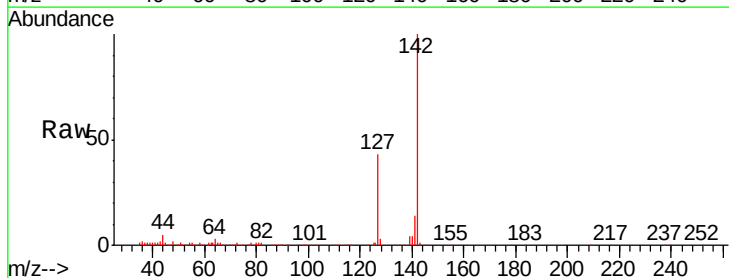
RT: 2.51 min Scan# 222

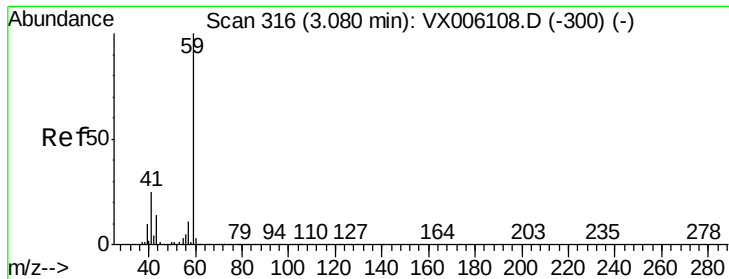
Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion:	142	Resp:	41554
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.0	54.0
141	15.1	11.7	17.5





#11

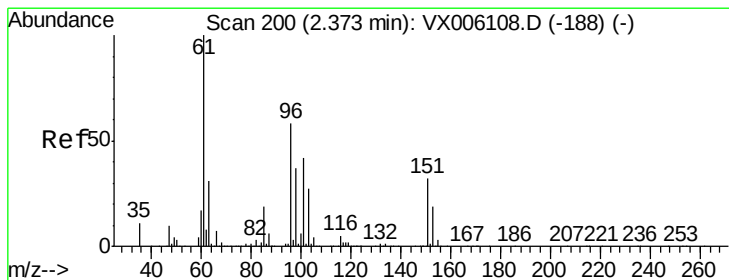
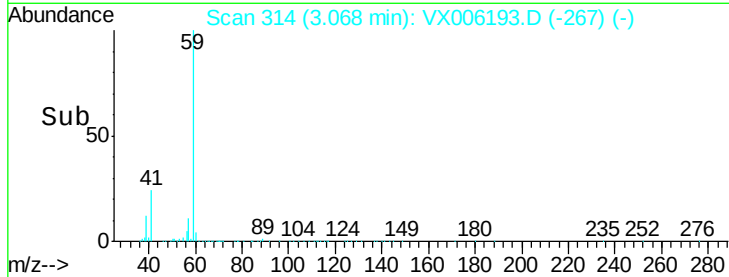
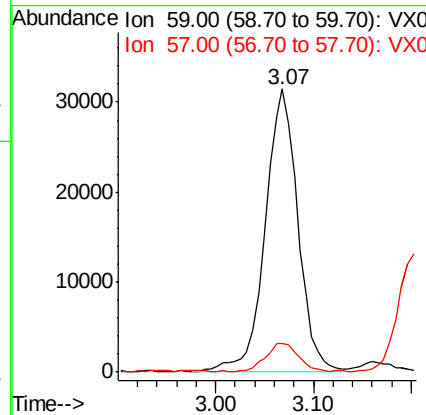
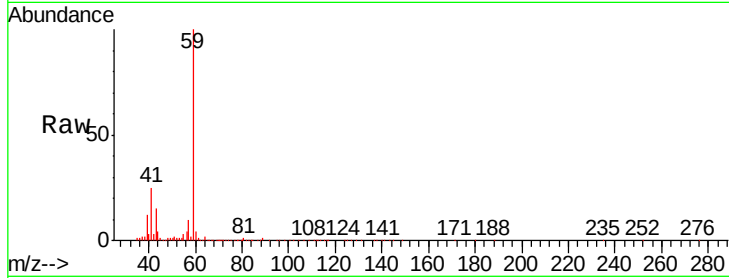
Tert butyl alcohol
Concen: 110.48 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion: 59 Resp: 72292
Ion Ratio Lower Upper
59 100
57 10.0 8.7 13.1

Manual Integrations
APPROVED

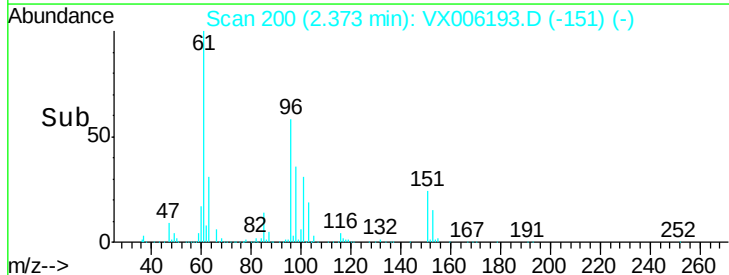
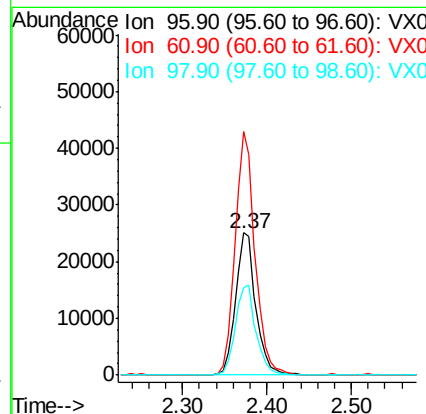
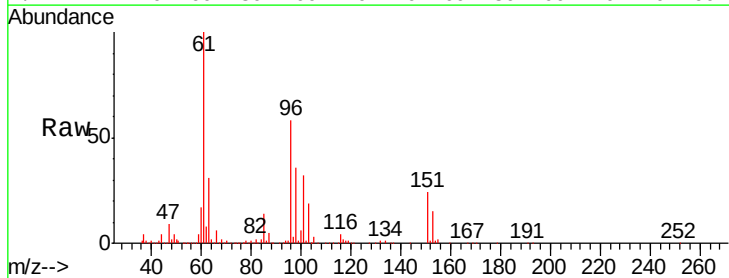
MMDadoda
11/27/2018 11:43:58 AM

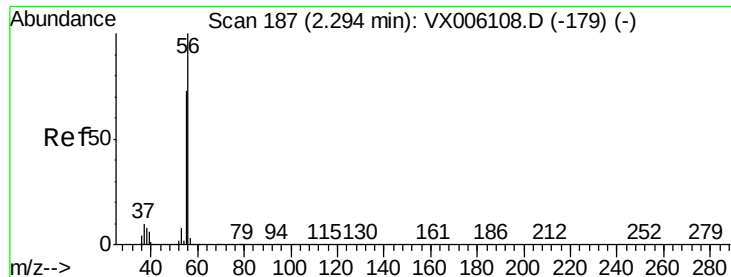


#12

1,1-Dichloroethene
Concen: 21.38 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion: 96 Resp: 40979
Ion Ratio Lower Upper
96 100
61 171.3 138.2 207.4
98 61.9 51.3 76.9





#13

Acrolein

Concen: 97.85 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 56 Resp: 38312

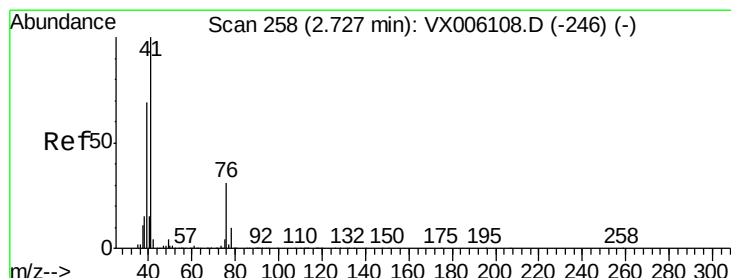
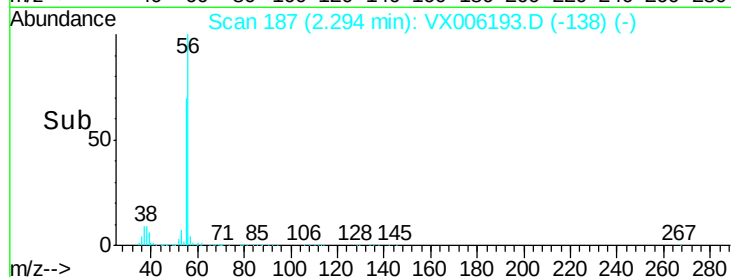
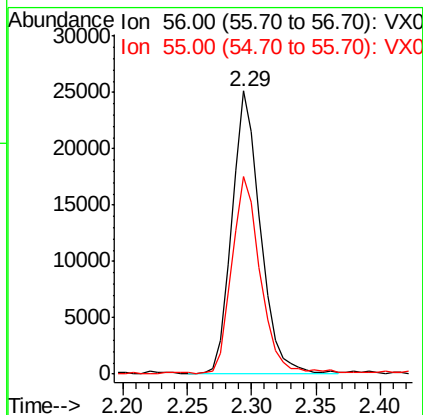
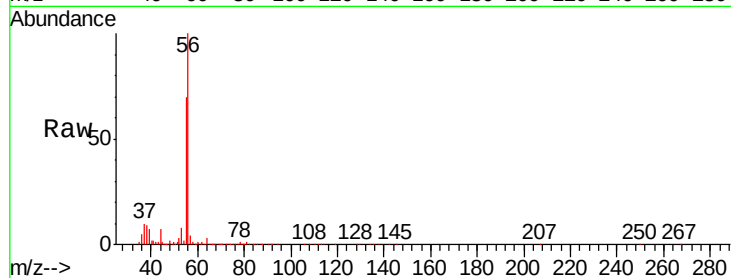
Ion Ratio Lower Upper

56 100

55 70.0 57.8 86.6

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#14

Allyl chloride

Concen: 19.97 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

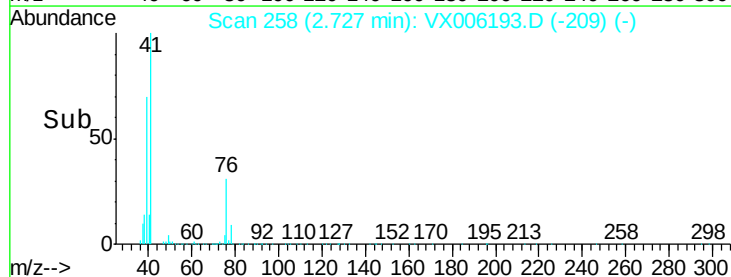
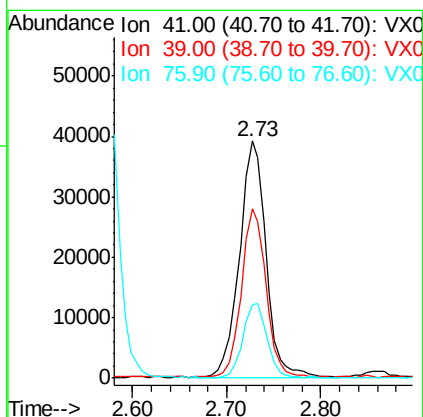
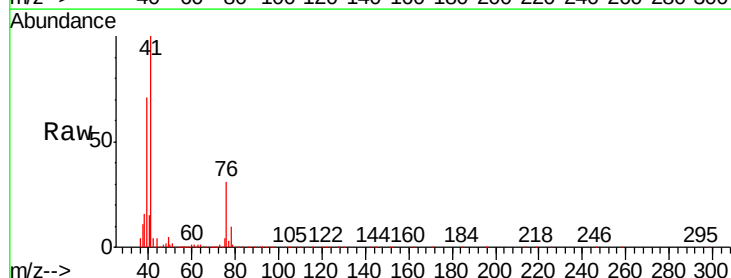
Tgt Ion: 41 Resp: 78298

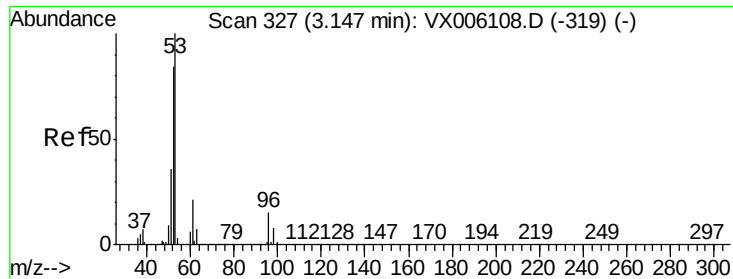
Ion Ratio Lower Upper

41 100

39 65.2 52.5 78.7

76 27.7 23.4 35.2





#15

Acrylonitrile

Concen: 103.78 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

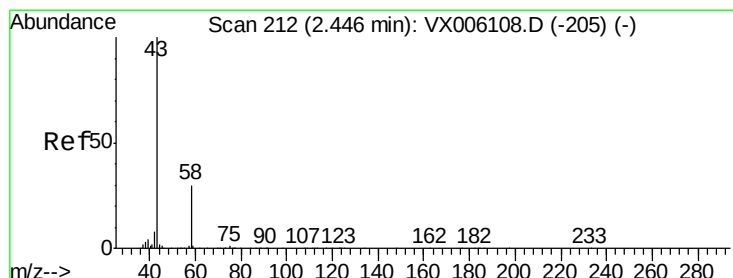
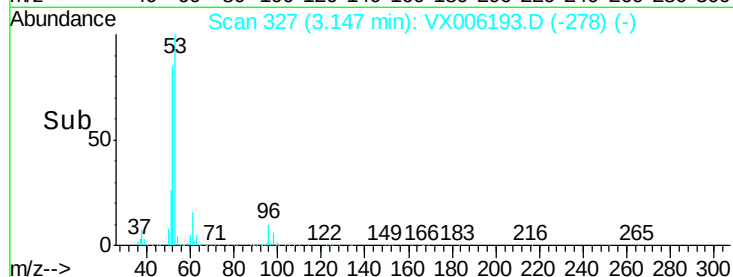
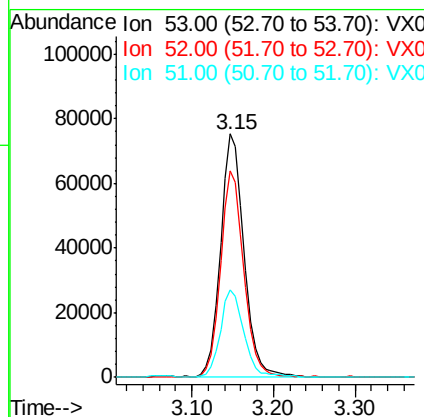
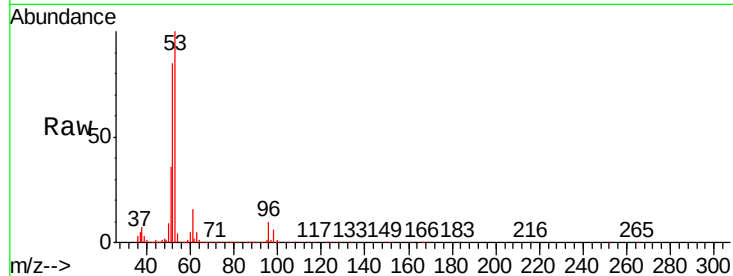
ClientSampleId :

VX1126WBSD02

Tgt Ion:	53	Resp:	149992
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.4	99.6
51	36.0	29.4	44.0

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#16

Acetone

Concen: 108.27 ug/l

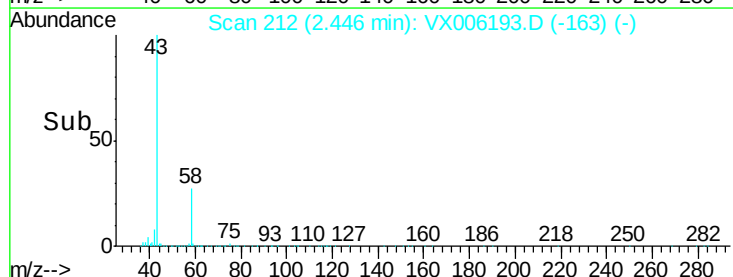
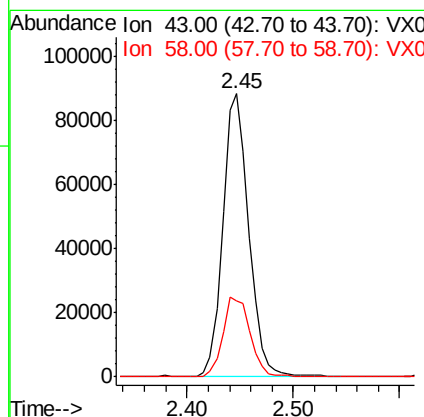
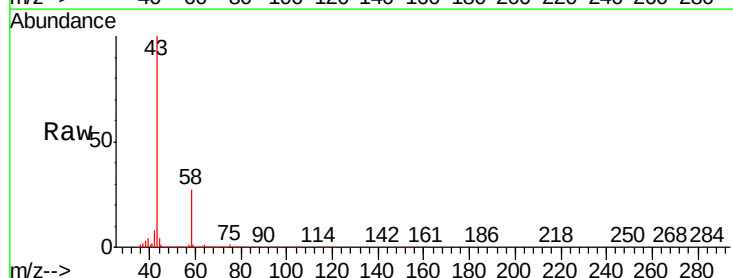
RT: 2.45 min Scan# 212

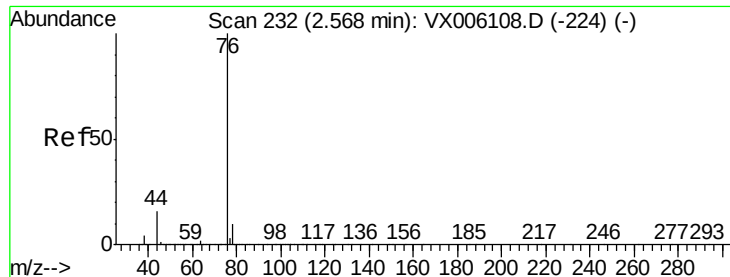
Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion:	43	Resp:	147786
Ion	Ratio	Lower	Upper
43	100		
58	27.0	23.8	35.8





#17

Carbon Disulfide

Concen: 20.14 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 76 Resp: 104237

Ion Ratio Lower Upper

76 100

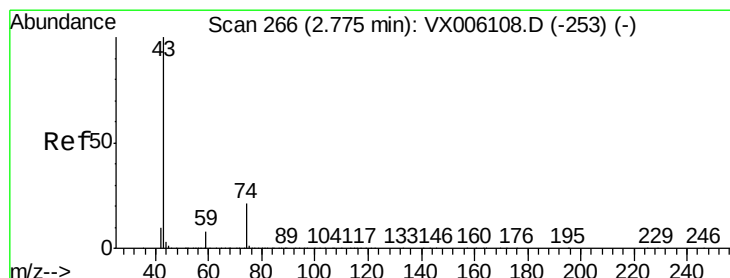
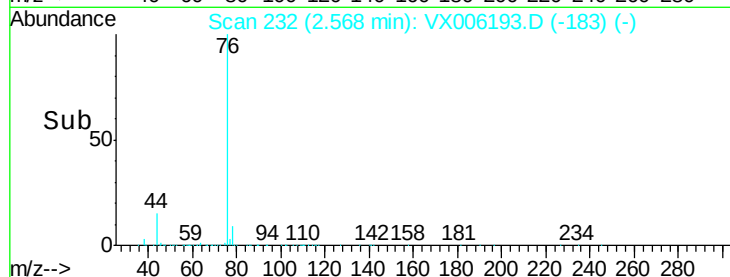
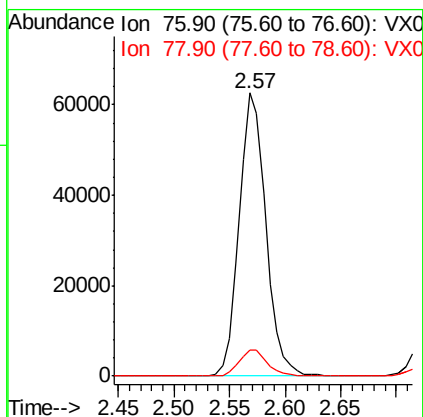
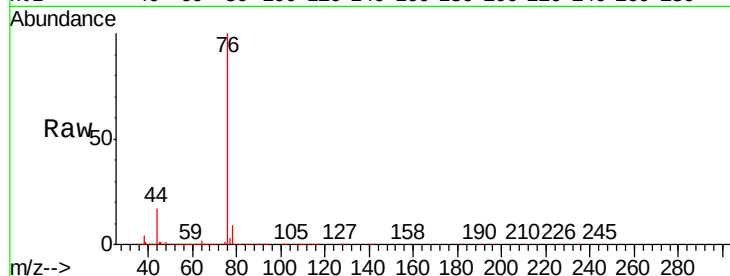
78 8.9 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

11/27/2018 11:43:58 AM



#18

Methyl Acetate

Concen: 22.44 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006193.D

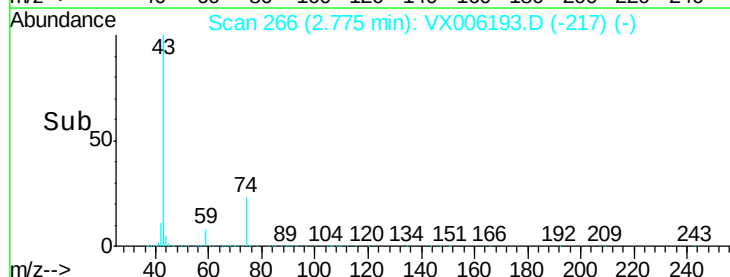
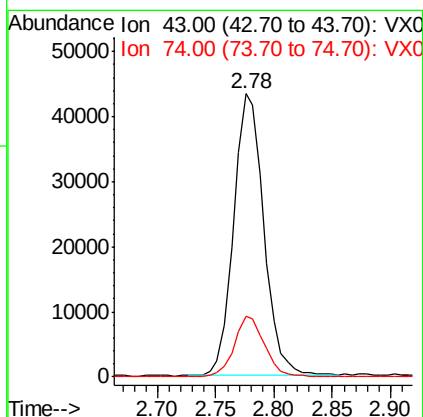
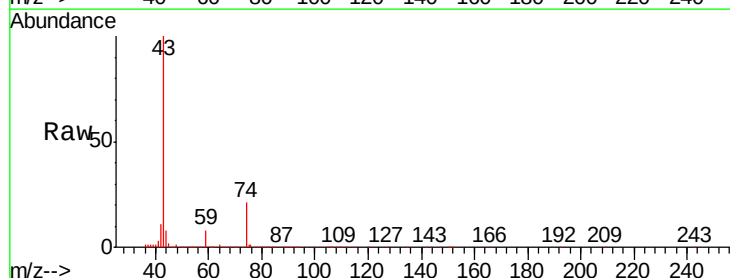
Acq: 27 Nov 2018 00:04

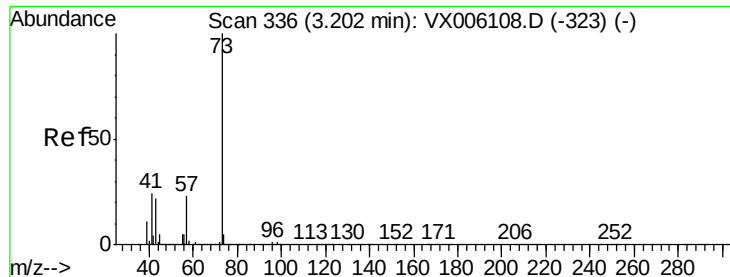
Tgt Ion: 43 Resp: 78565

Ion Ratio Lower Upper

43 100

74 21.7 17.3 25.9





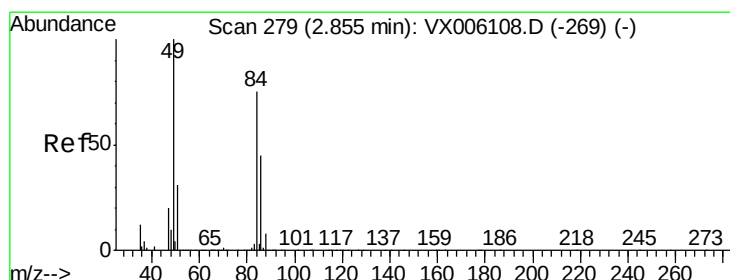
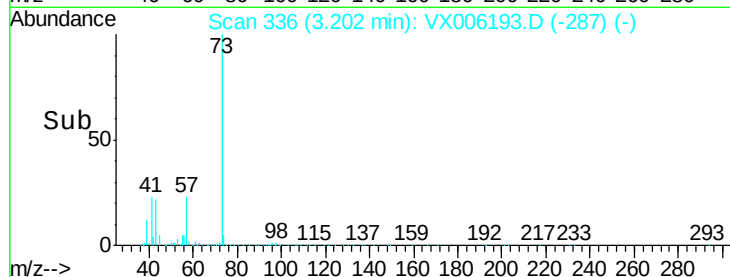
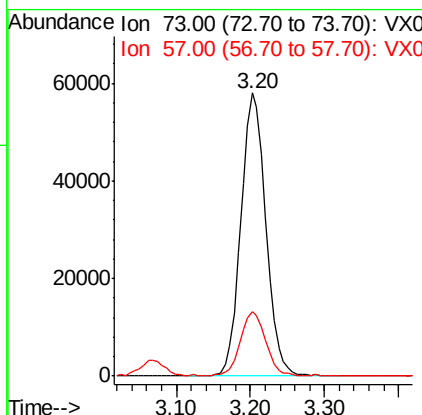
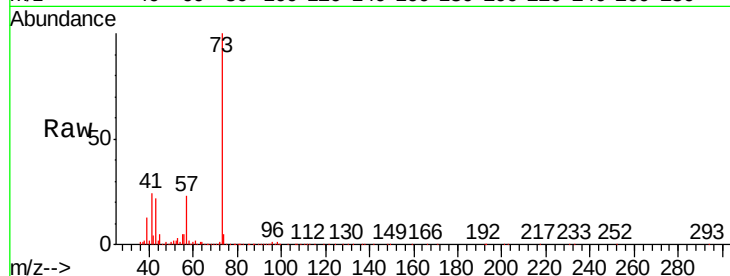
#19
Methyl tert-butyl Ether
Concen: 20.67 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion: 73 Resp: 136981
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4

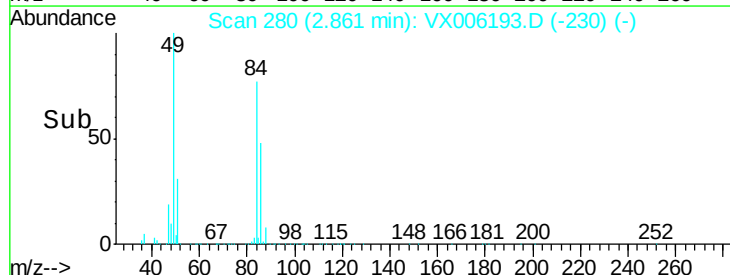
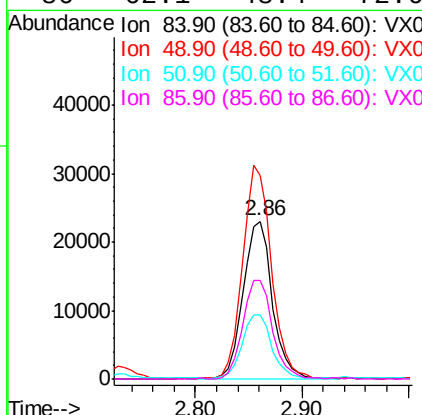
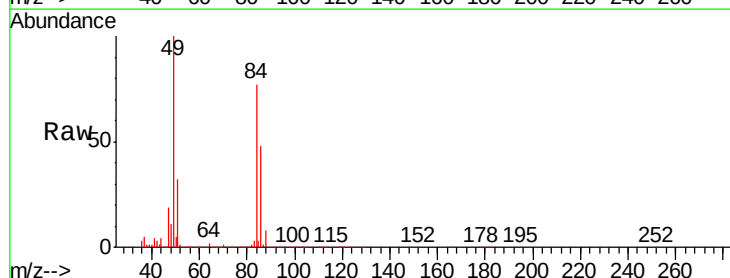
Manual Integrations
APPROVED

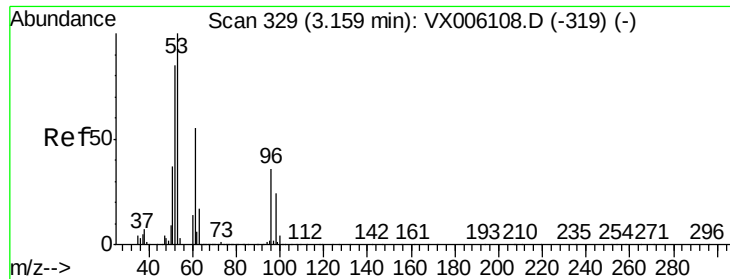
MMDadoda
11/27/2018 11:43:58 AM



#20
Methylene Chloride
Concen: 21.37 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion: 84 Resp: 44555
Ion Ratio Lower Upper
84 100
49 128.6 106.6 159.8
51 40.1 32.6 49.0
86 62.1 48.4 72.6





#21

trans-1,2-Dichloroethene

Concen: 19.71 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

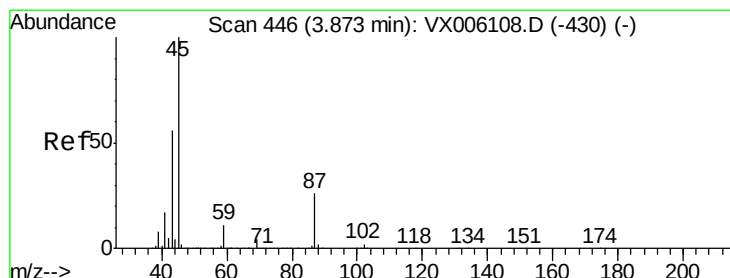
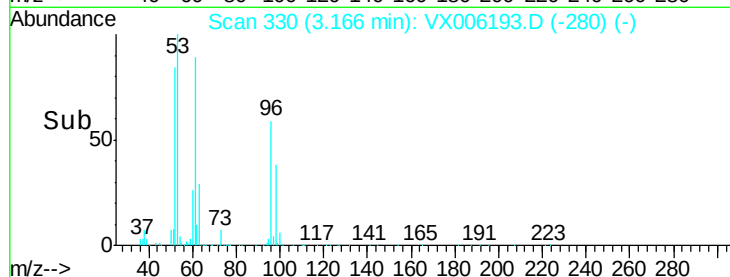
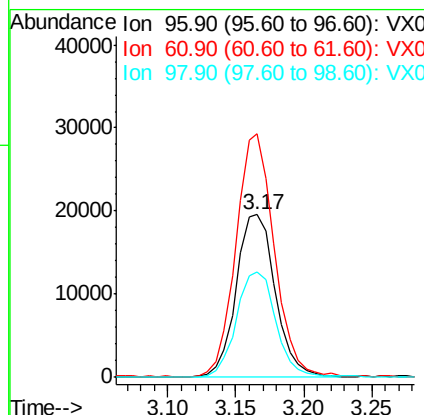
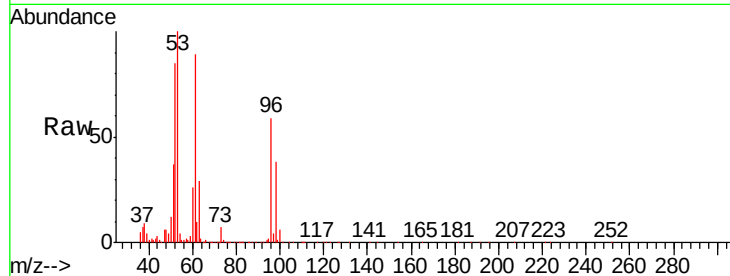
ClientSampleId :

VX1126WBSD02

Tgt Ion:	96	Resp:	39530
Ion	Ratio	Lower	Upper
96	100		
61	149.4	122.0	183.0
98	64.1	52.7	79.1

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#22

Diisopropyl ether

Concen: 21.49 ug/l

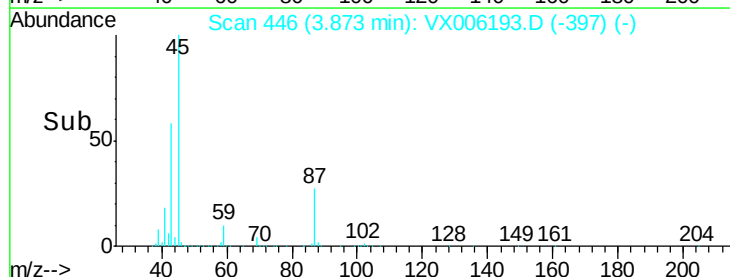
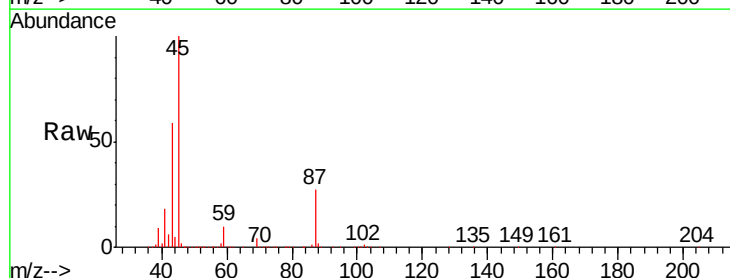
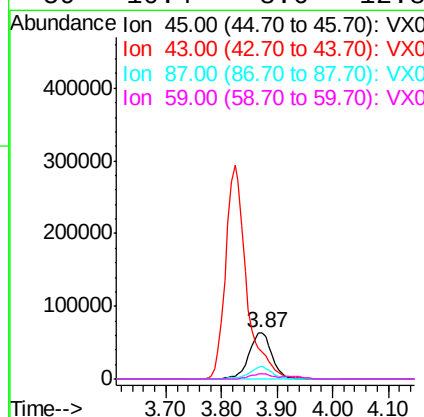
RT: 3.87 min Scan# 446

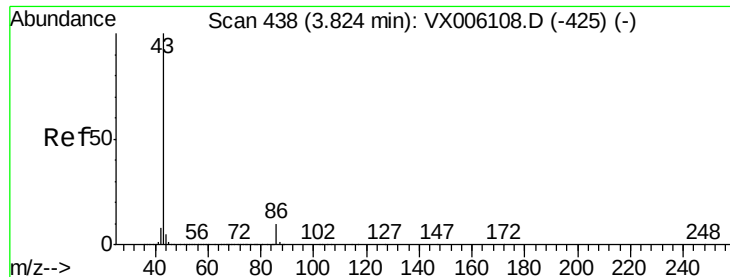
Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion:	45	Resp:	180447
Ion	Ratio	Lower	Upper
45	100		
43	58.3	45.8	68.8
87	27.1	21.0	31.4
59	10.4	8.6	12.8





#23

Vinyl Acetate

Concen: 109.53 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 43 Resp: 762840

Ion Ratio Lower Upper

43 100

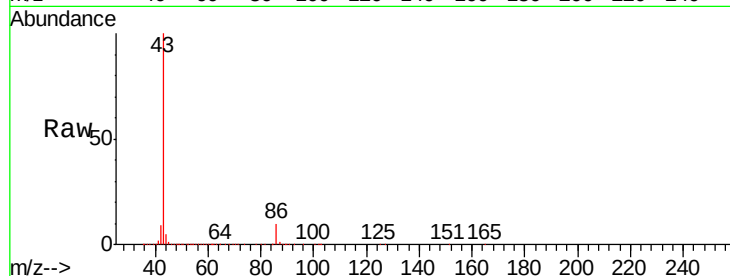
86 9.7 7.6 11.4

Manual Integrations

APPROVED

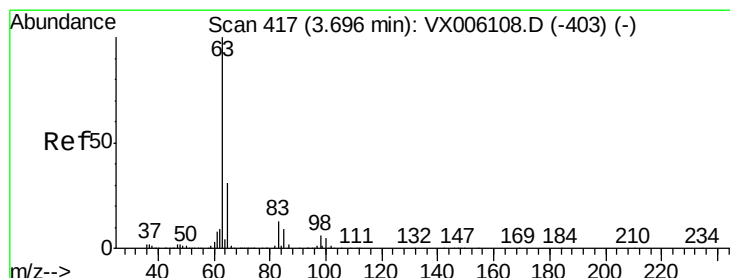
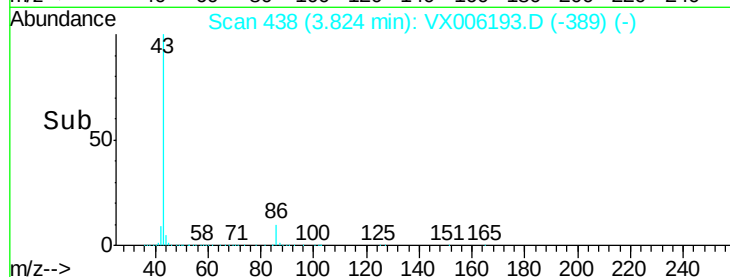
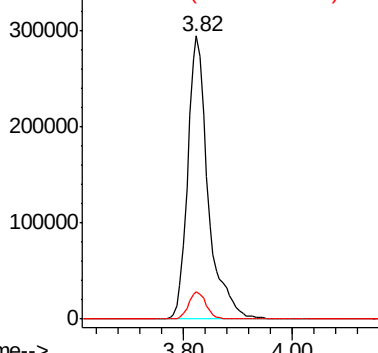
MMDadoda

11/27/2018 11:43:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.99 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

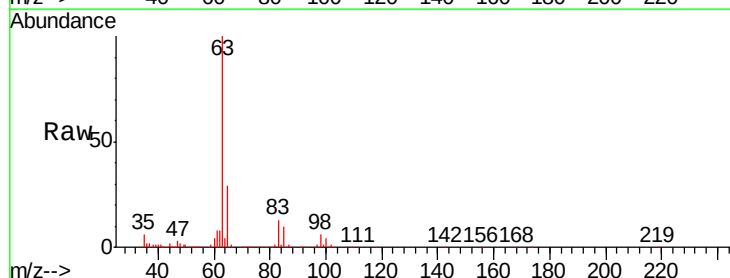
Tgt Ion: 63 Resp: 83002

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

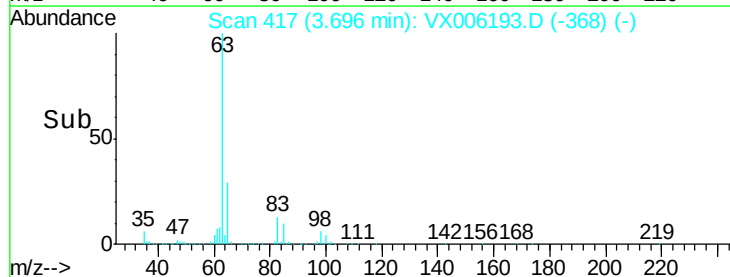
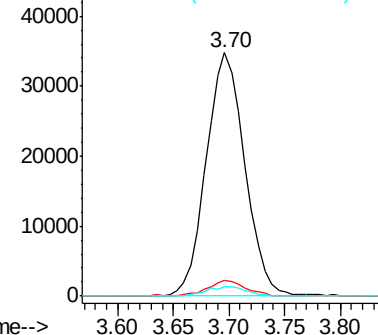
100 3.8 2.4 7.1

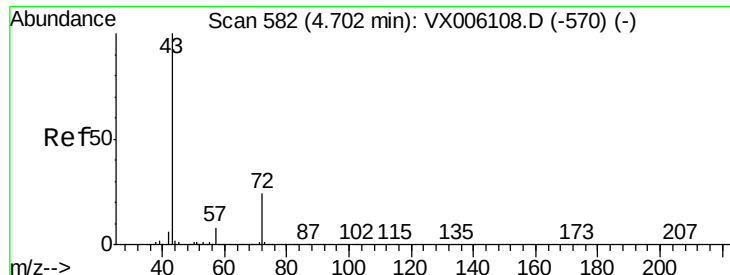


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 104.00 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 43 Resp: 263489

Ion Ratio Lower Upper

43 100

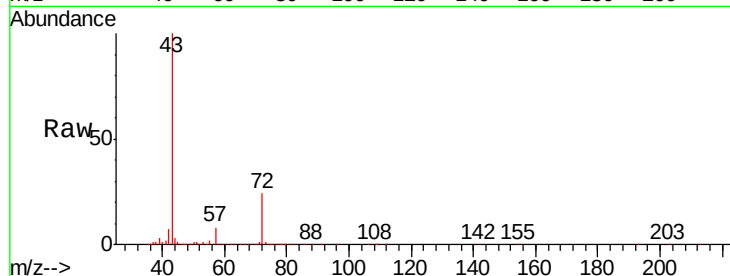
72 23.8 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/27/2018 11:43:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

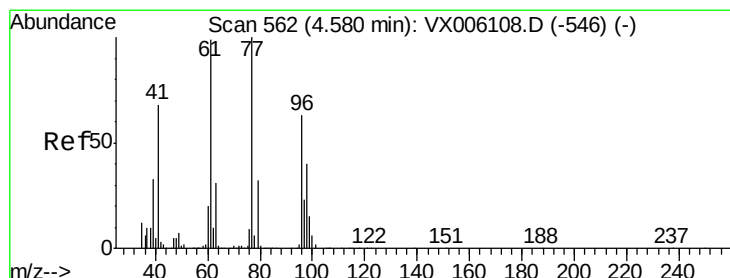
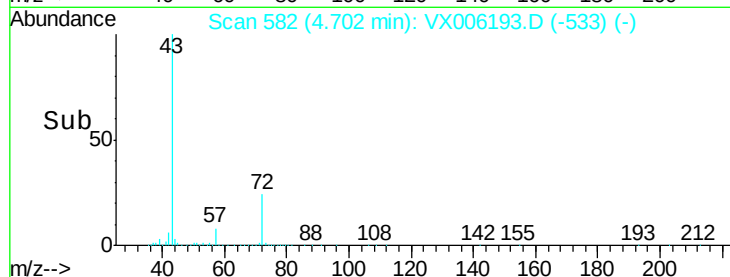
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.92 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX006193.D

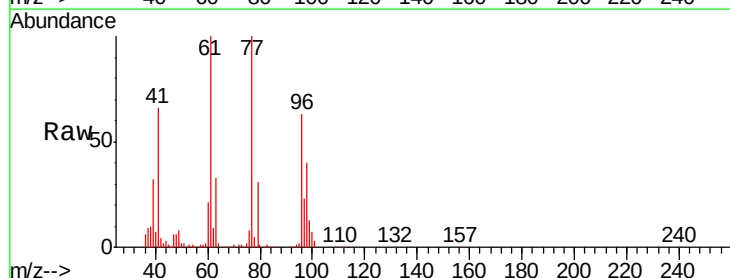
Acq: 27 Nov 2018 00:04

Tgt Ion: 77 Resp: 58419

Ion Ratio Lower Upper

77 100

97 25.1 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

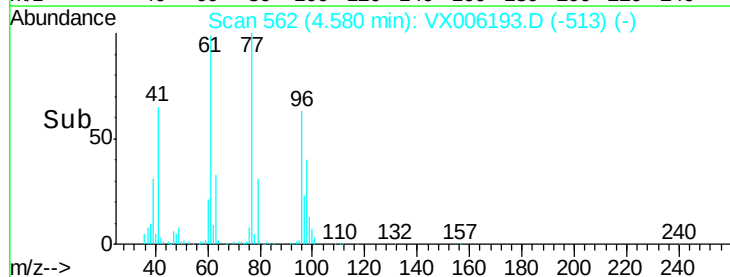
10000

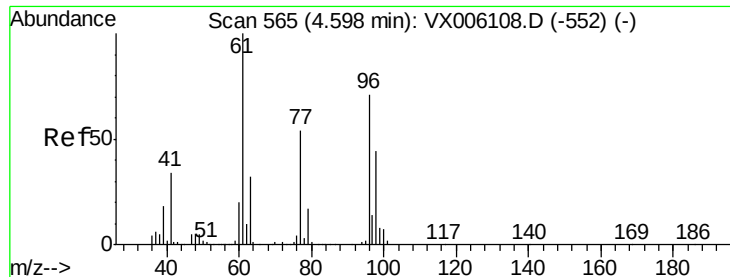
5000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.82 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

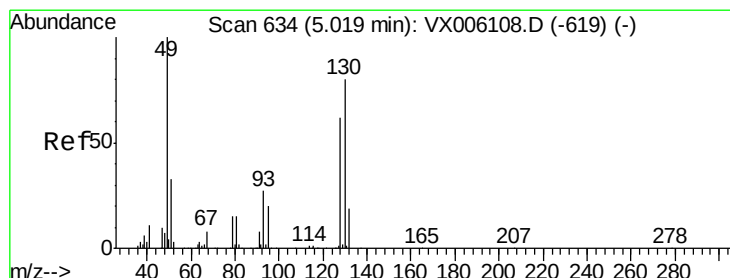
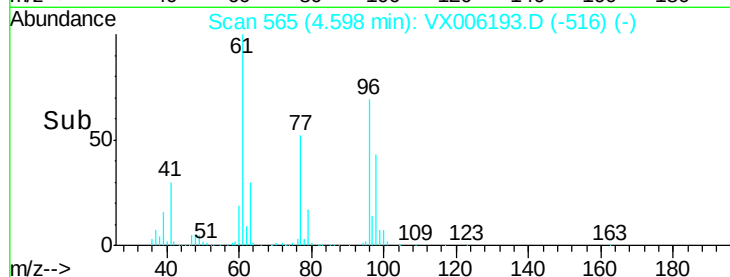
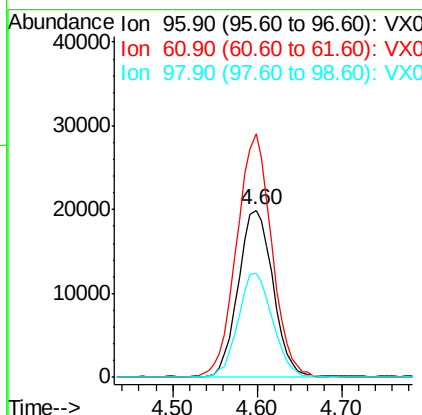
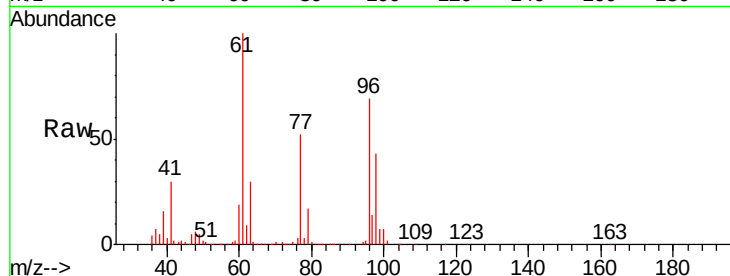
ClientSampleId :

VX1126WBSD02

Tgt Ion:	96	Resp:	55546
Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	291.6
98	62.4	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#28

Bromochloromethane

Concen: 21.99 ug/l

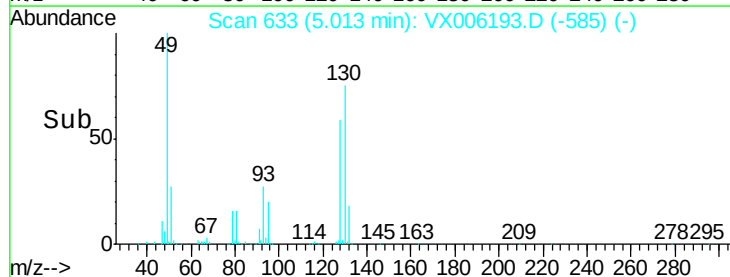
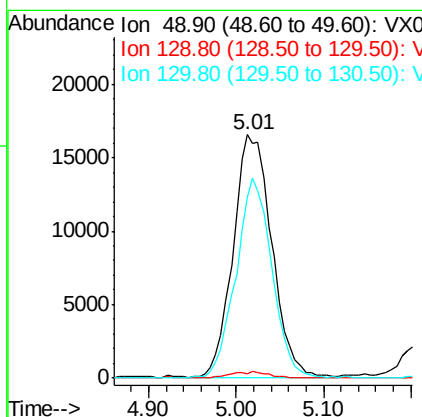
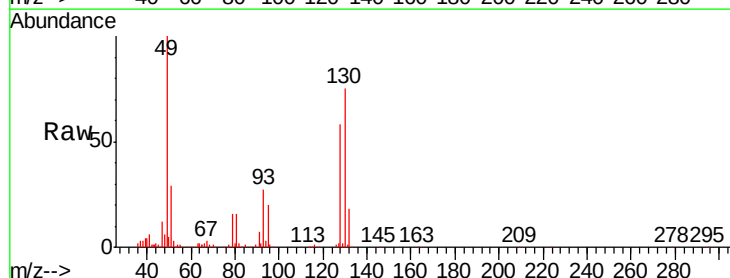
RT: 5.01 min Scan# 633

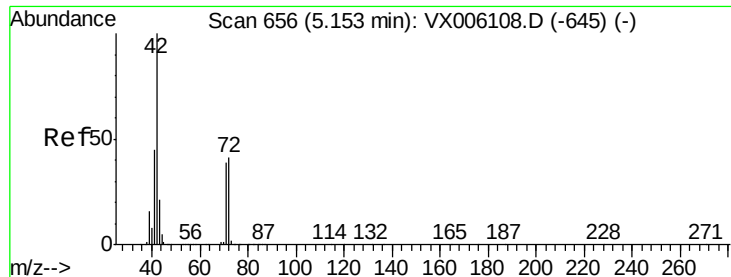
Delta R.T. -0.01 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion:	49	Resp:	50684
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	76.9	61.6	92.4





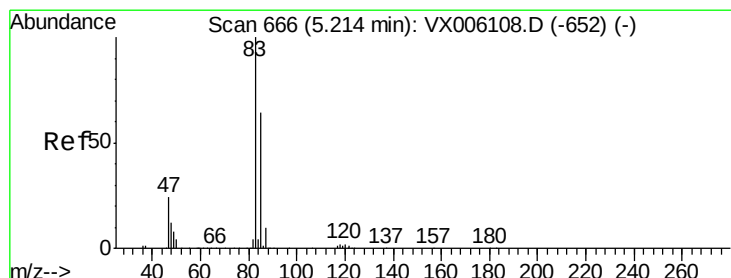
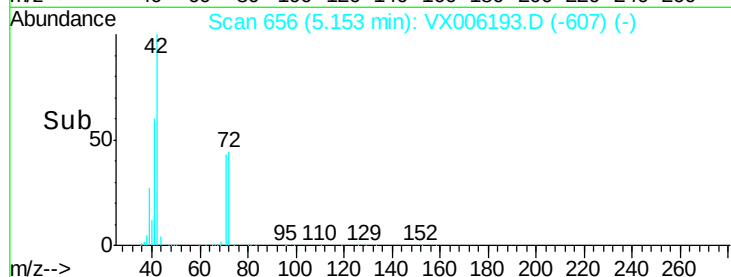
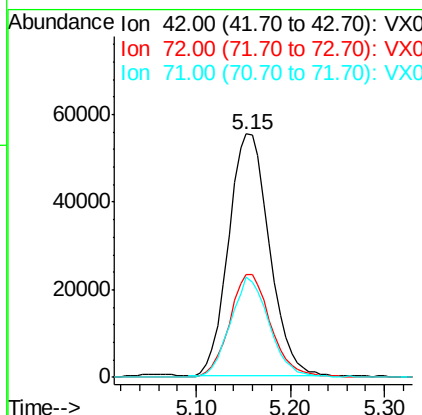
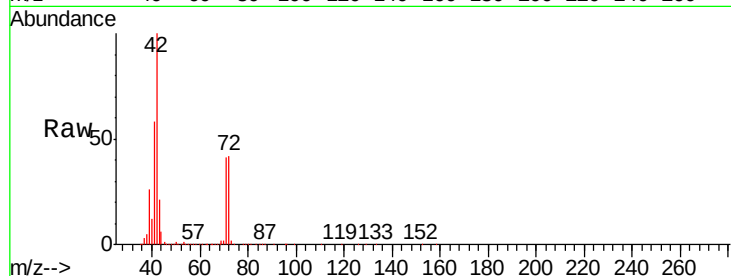
#29
Tetrahydrofuran
Concen: 105.61 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.0	49.6
71	39.2	31.0	46.4

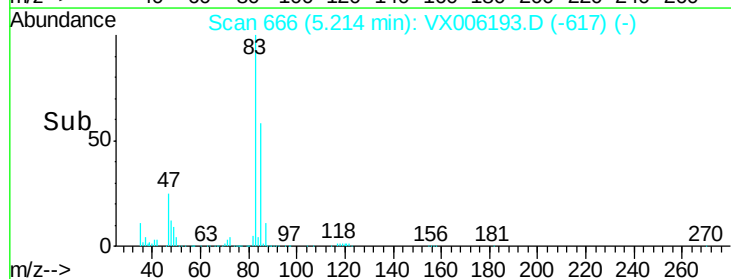
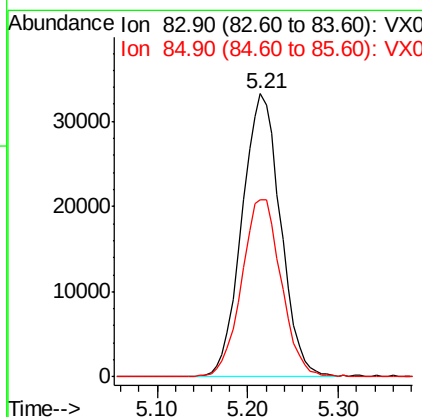
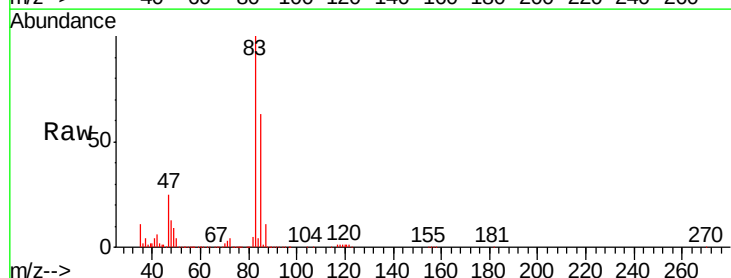
Manual Integrations
APPROVED

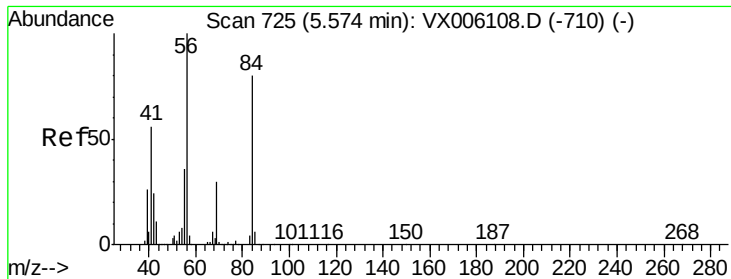
MMDadoda
11/27/2018 11:43:58 AM



#30
Chloroform
Concen: 20.46 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4





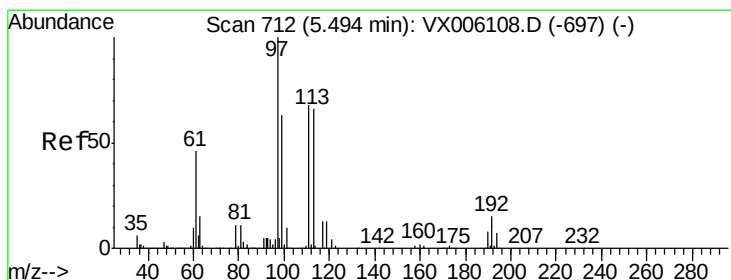
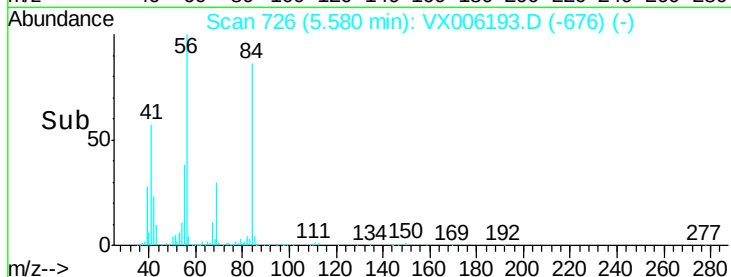
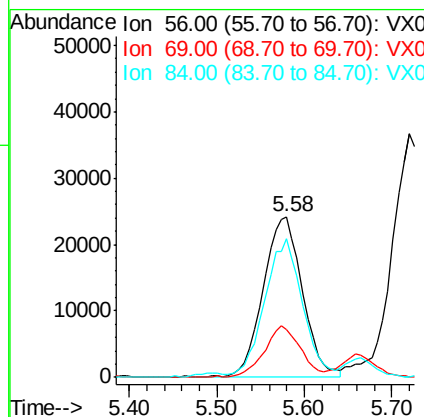
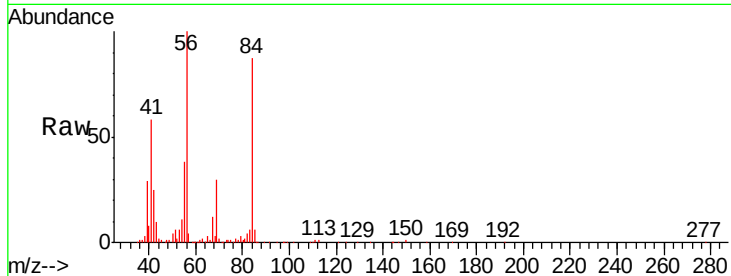
#31
Cyclohexane
Concen: 18.32 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.9	35.9
84	85.6	63.6	95.4

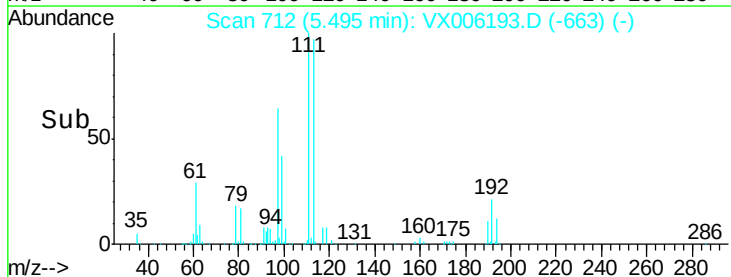
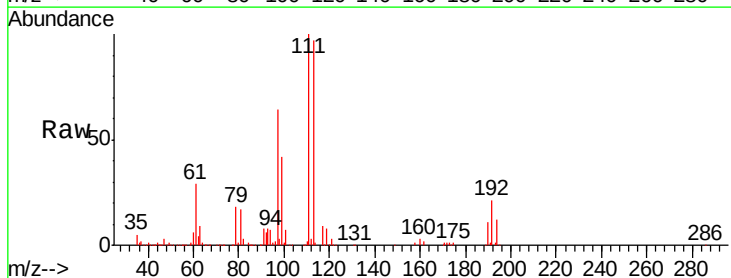
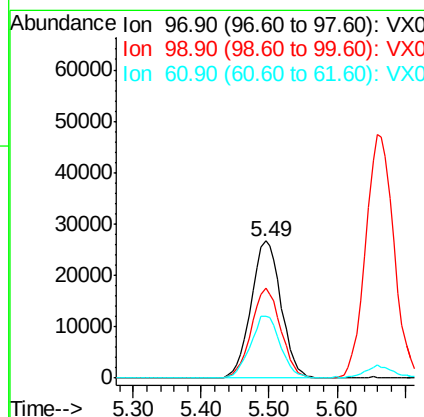
Manual Integrations
APPROVED

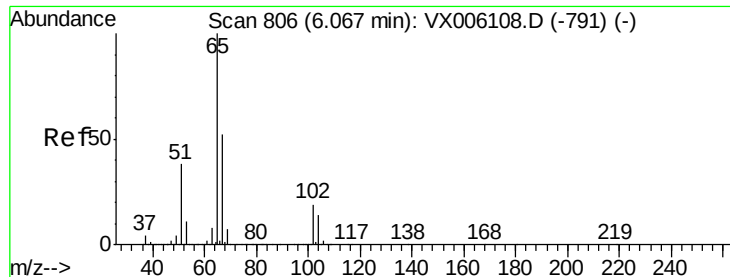
MMDadoda
11/27/2018 11:43:58 AM



#32
1,1,1-Trichloroethane
Concen: 21.26 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	45.3	36.6	55.0





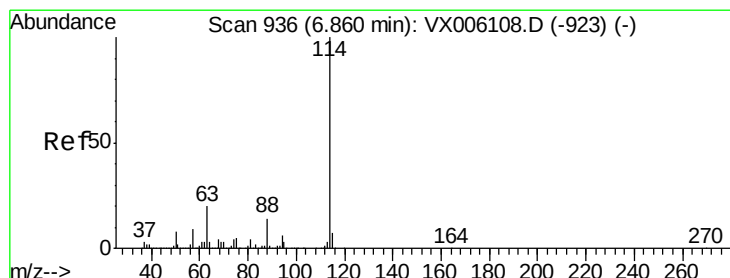
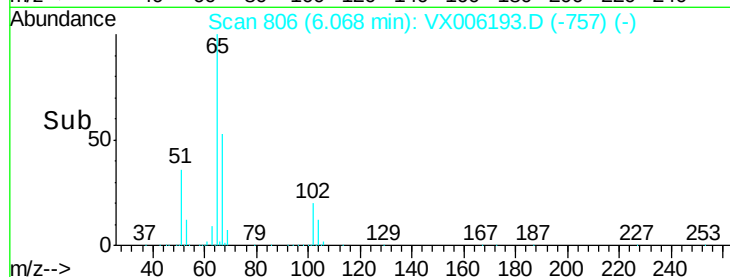
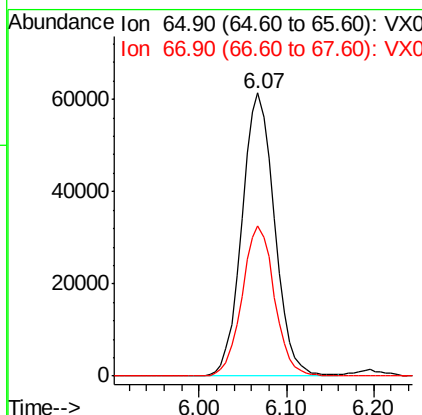
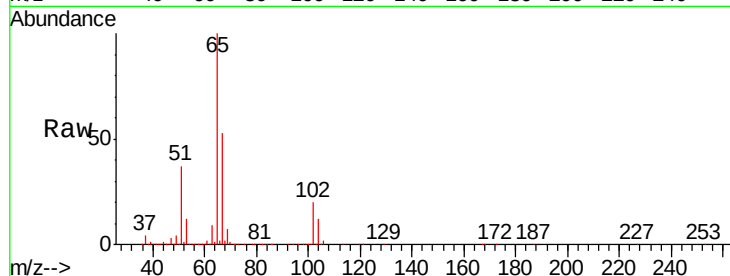
#33
 1,2-Dichloroethane-d4
 Concen: 51.80 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	159331		
67	52.7	0.0	105.8	

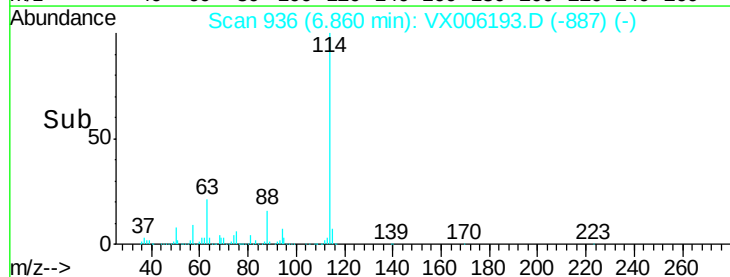
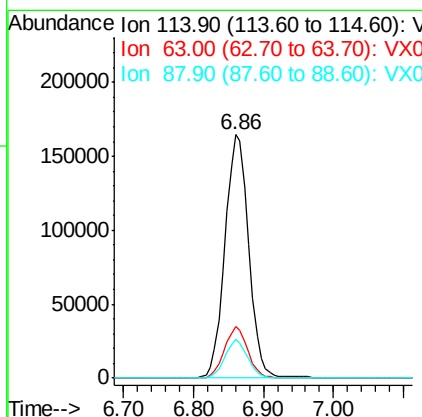
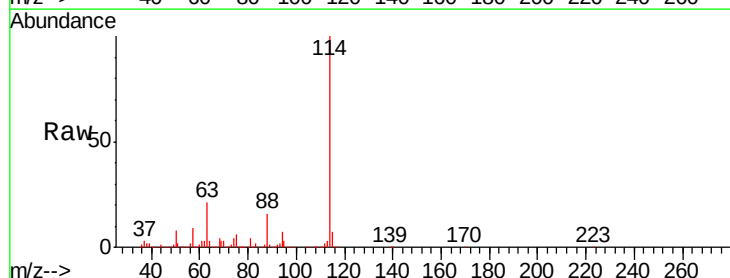
Manual Integrations
 APPROVED

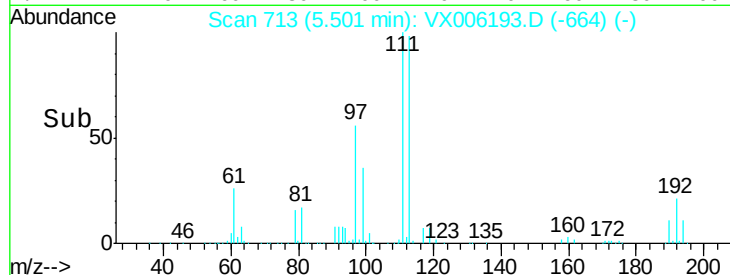
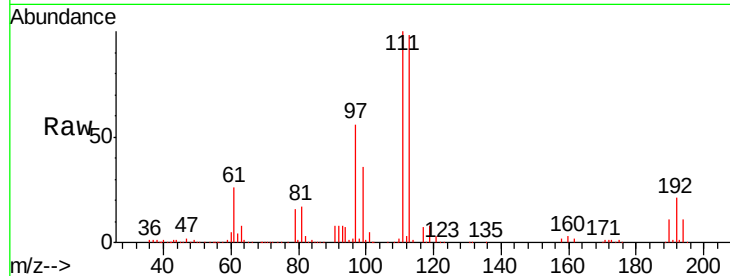
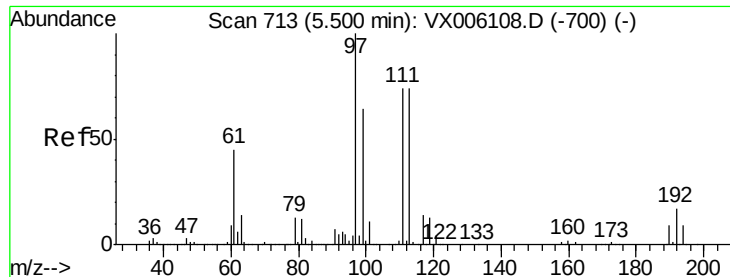
MMDadoda
 11/27/2018 11:43:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	389911		
63	21.2	0.0	39.2	
88	16.0	0.0	28.6	





#35

Dibromofluoromethane

Concen: 50.52 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion:	113	Resp:	126440
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.5	122.3
192	23.1	18.6	28.0

Instrument :

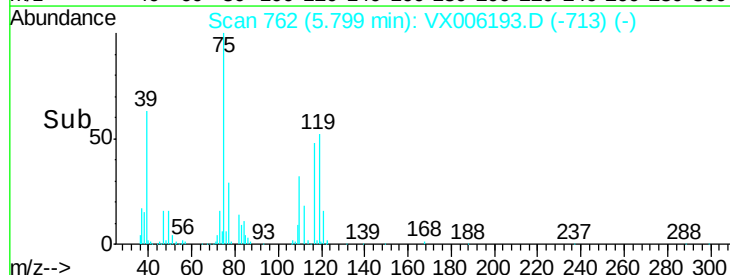
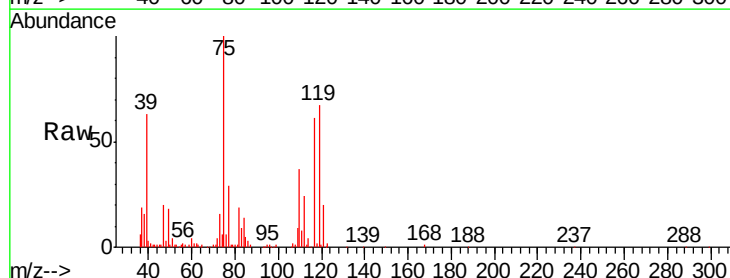
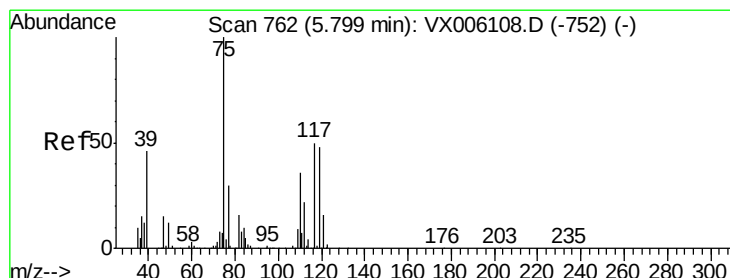
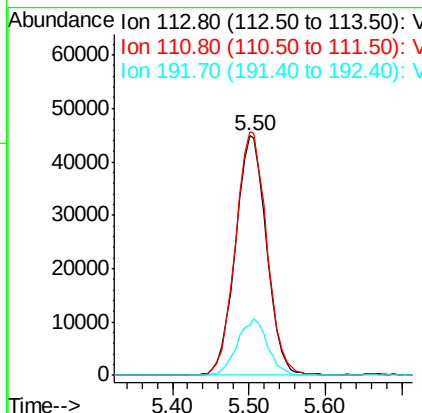
MSVOA_X

ClientSampleId :

VX1126WBSD02

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#36

1,1-Dichloropropene

Concen: 18.95 ug/l

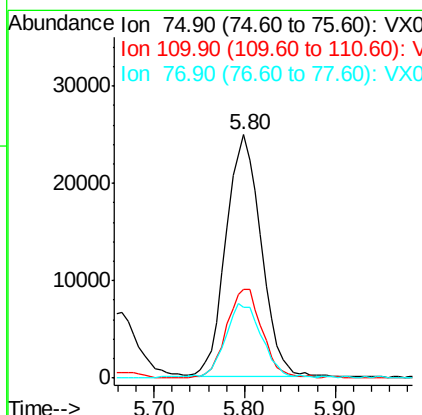
RT: 5.80 min Scan# 762

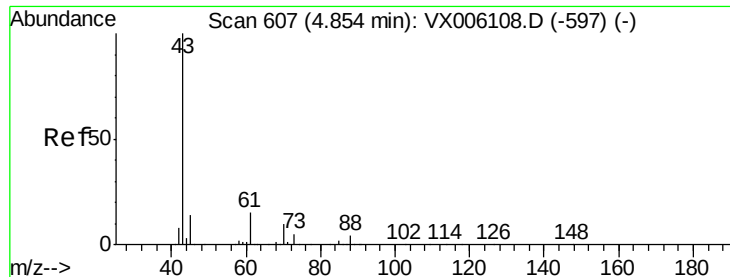
Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion:	75	Resp:	67222
Ion Ratio	Lower	Upper	
75	100		
110	37.4	17.8	53.3
77	31.2	24.5	36.7





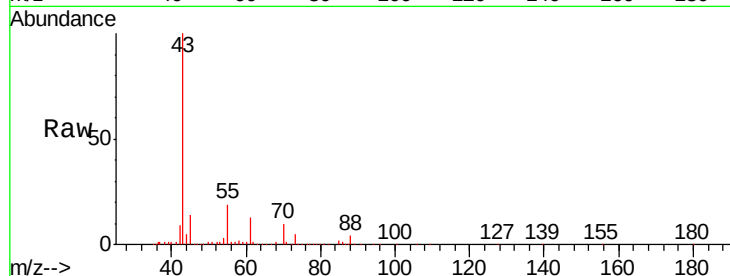
#37
Ethyl Acetate
Concen: 20.77 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

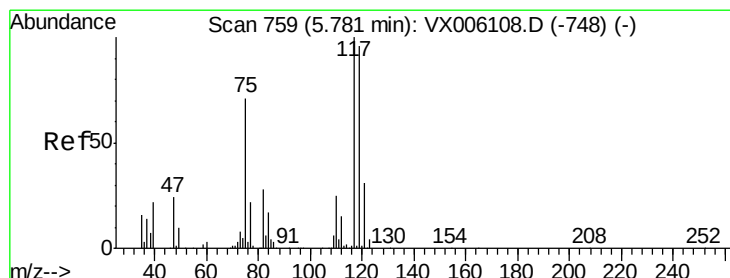
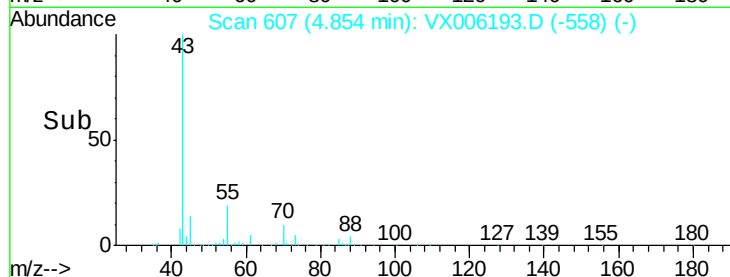
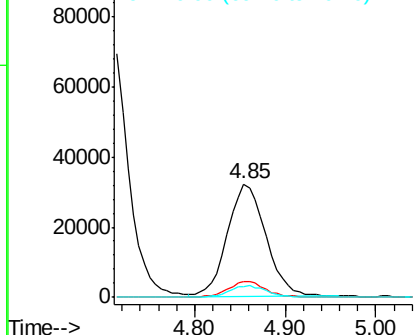
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.7	7.9	11.9

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM

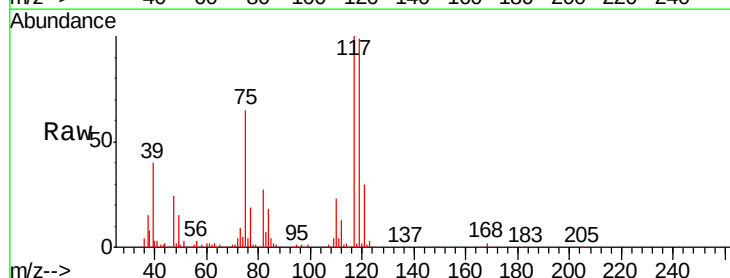


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

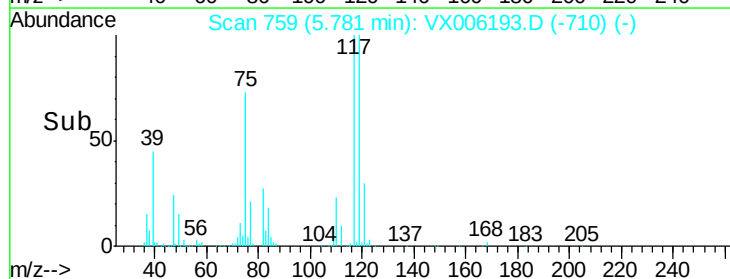
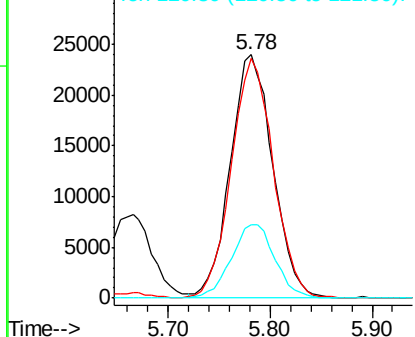


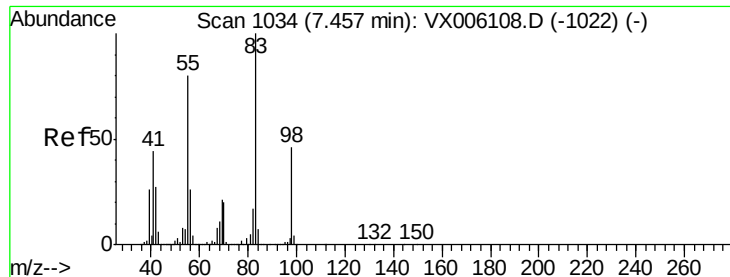
#38
Carbon Tetrachloride
Concen: 20.81 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.3	114.5
121	30.4	24.7	37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





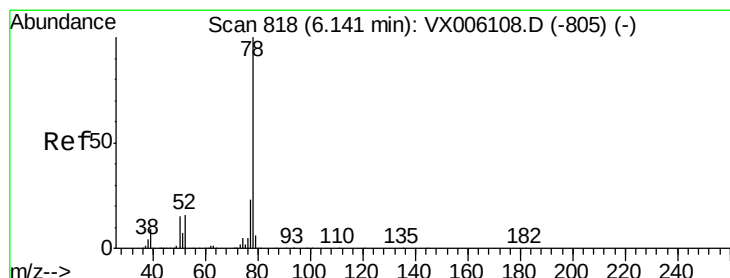
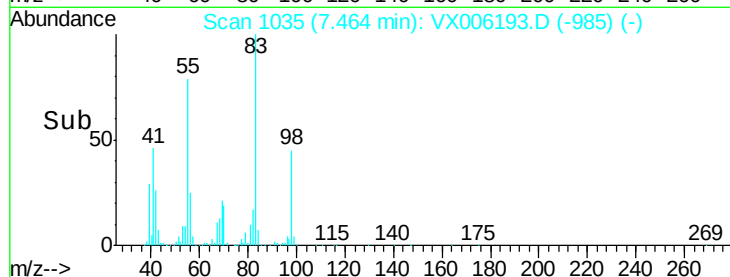
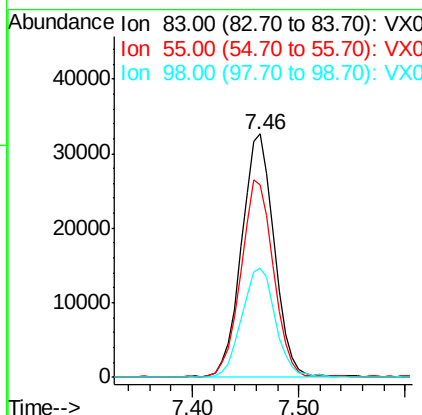
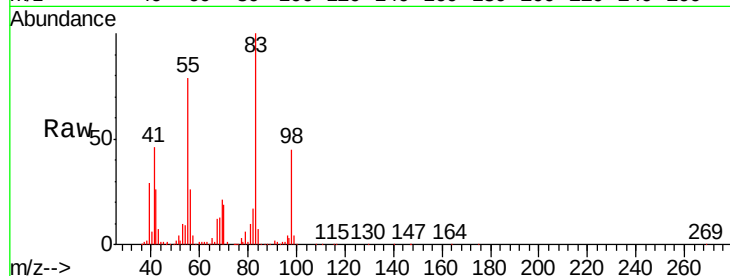
#39
Methylcyclohexane
Concen: 17.49 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.6	63.9	95.9
98	44.5	36.8	55.2

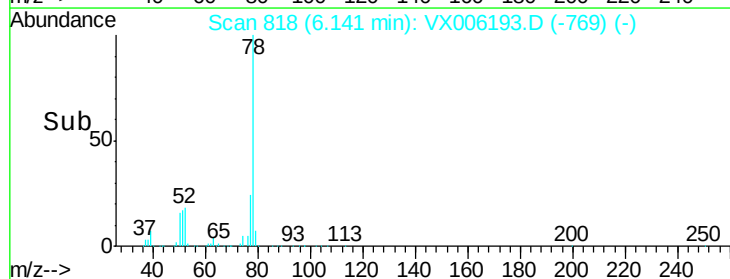
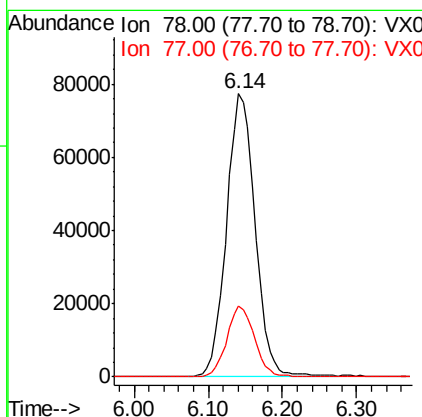
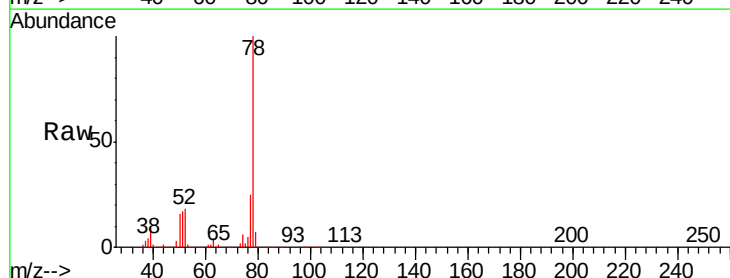
Manual Integrations
APPROVED

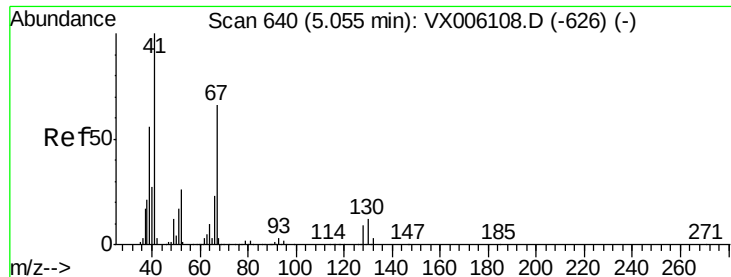
MMDadoda
11/27/2018 11:43:58 AM



#40
Benzene
Concen: 19.92 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.8	28.2





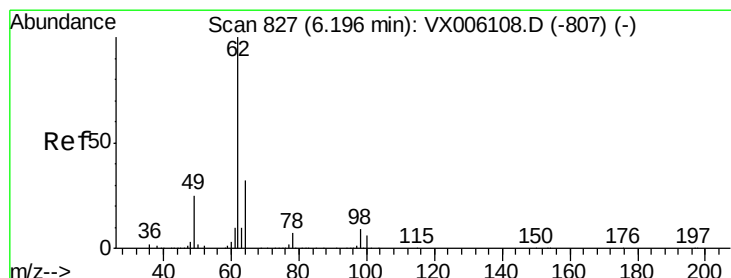
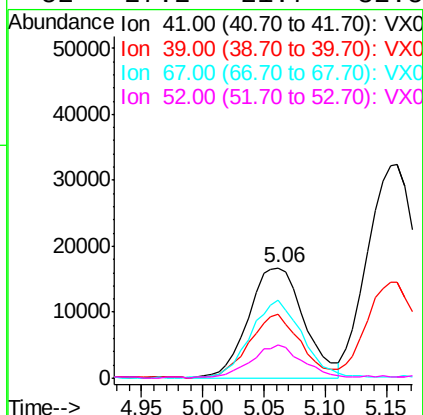
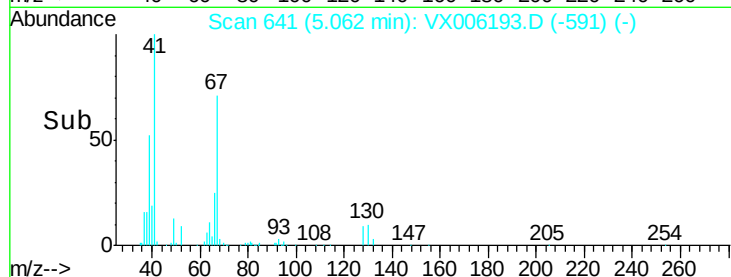
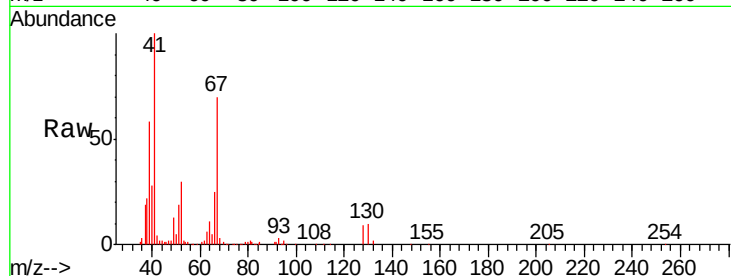
#41
Methacrylonitrile
Concen: 20.93 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	44.1	66.1	
67	66.2	54.1	81.1	
52	27.2	21.7	32.5	

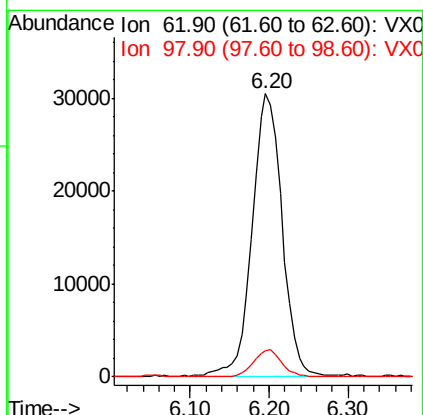
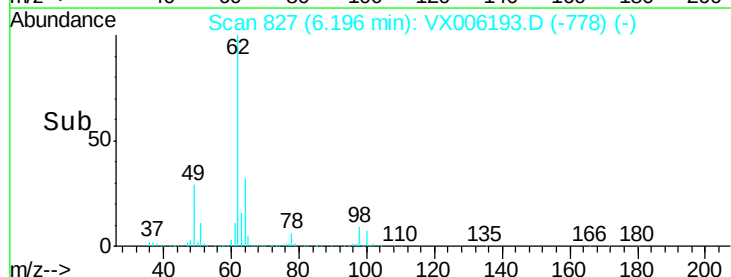
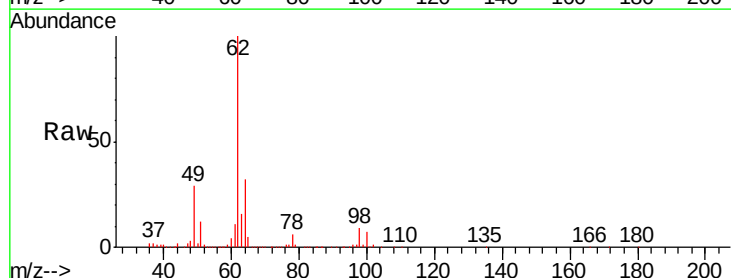
Manual Integrations
APPROVED

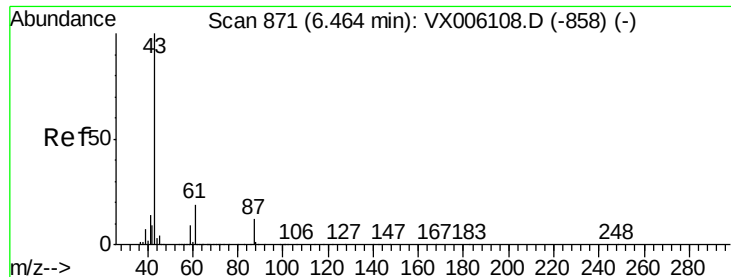
MMDadoda
11/27/2018 11:43:58 AM



#42
1,2-Dichloroethane
Concen: 20.71 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	17.8	





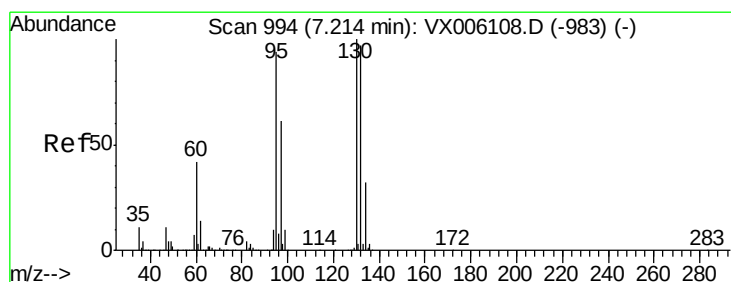
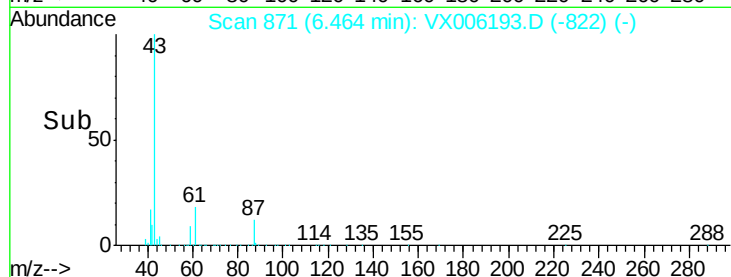
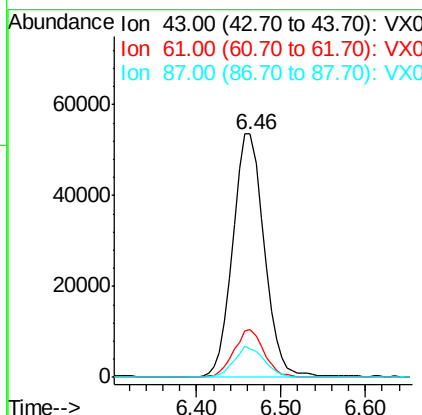
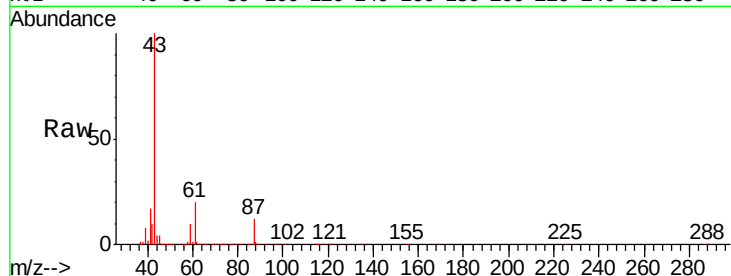
#43
Isopropyl Acetate
Concen: 20.38 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.4	9.6	14.4

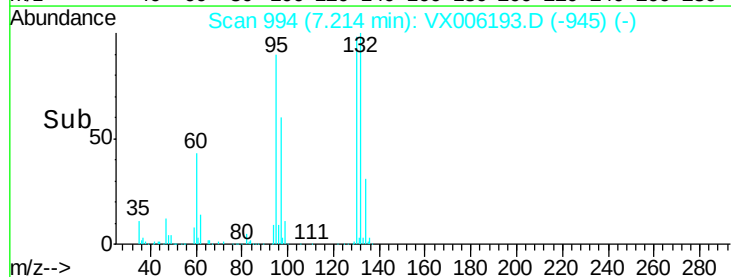
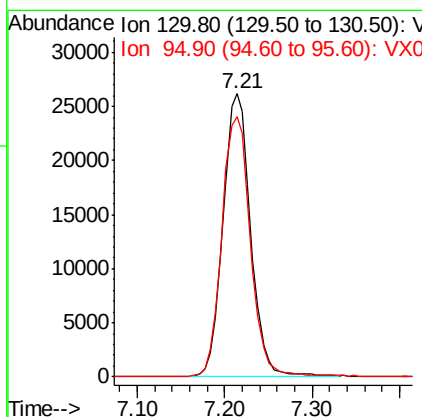
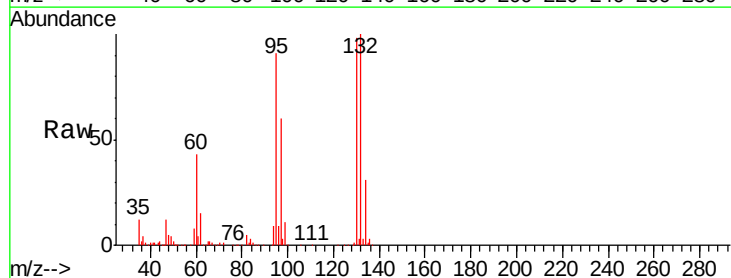
Manual Integrations
APPROVED

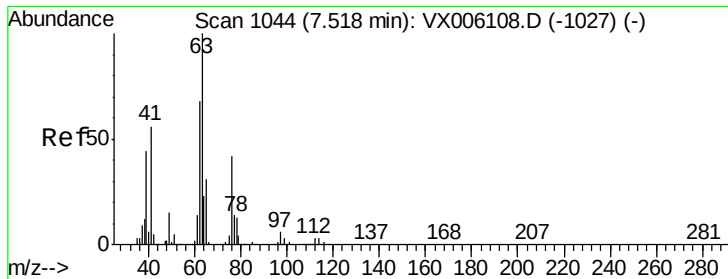
MMDadoda
11/27/2018 11:43:58 AM



#44
Trichloroethene
Concen: 19.73 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	188.8





#45

1,2-Dichloropropane

Concen: 19.99 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 63 Resp: 55286

Ion Ratio Lower Upper

63 100

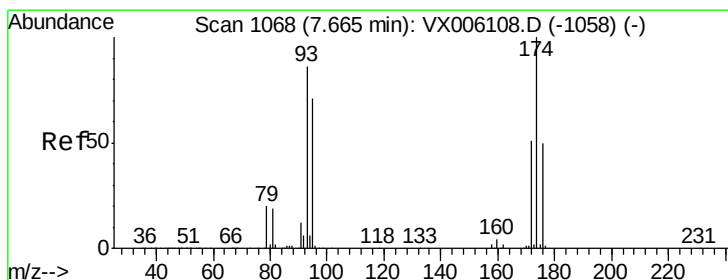
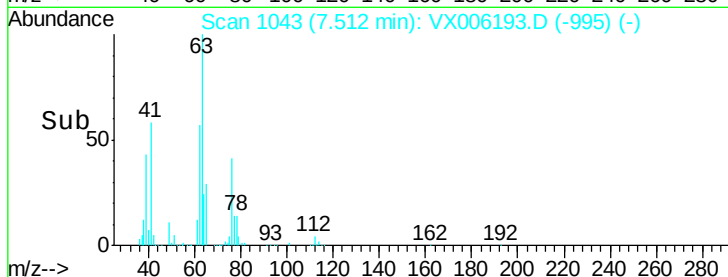
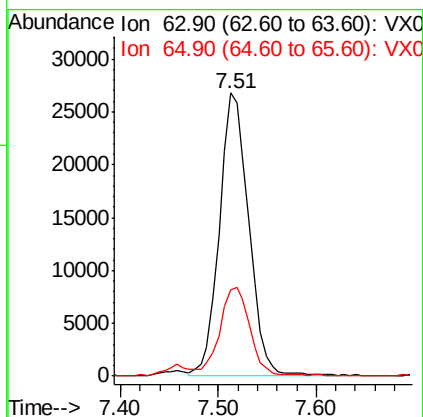
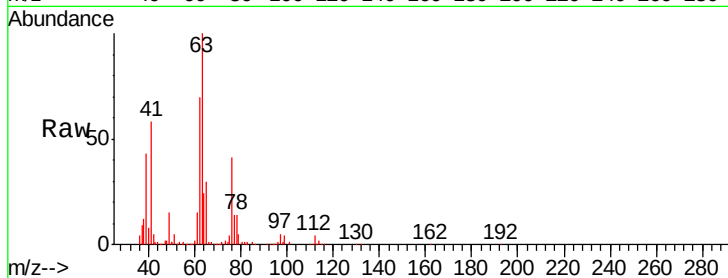
65 30.3 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

11/27/2018 11:43:58 AM



#46

Dibromomethane

Concen: 20.34 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

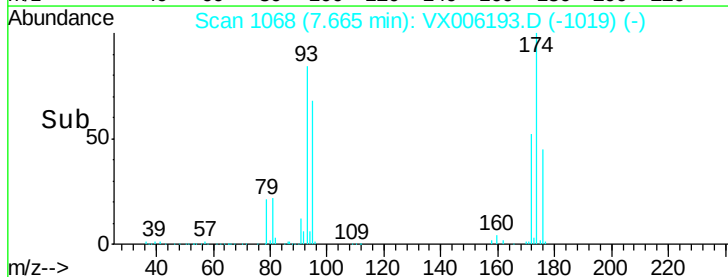
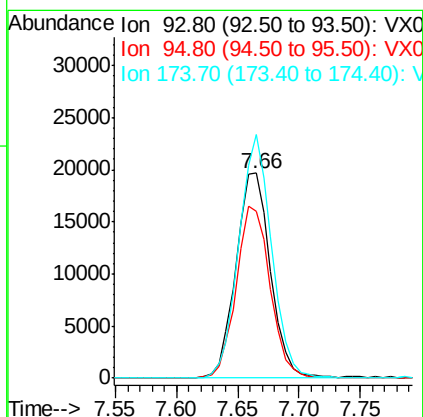
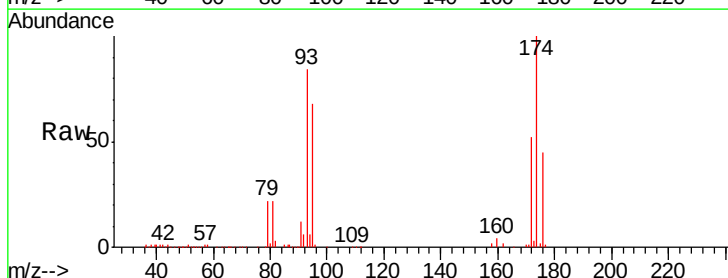
Tgt Ion: 93 Resp: 38529

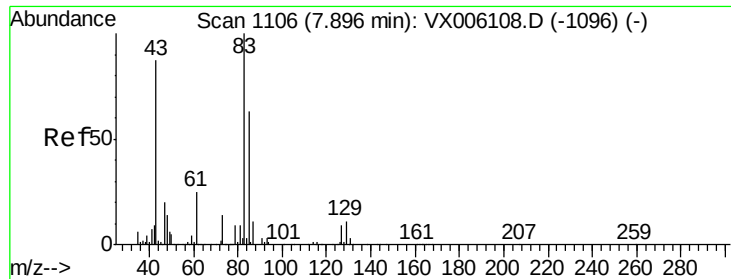
Ion Ratio Lower Upper

93 100

95 82.8 66.3 99.5

174 112.6 91.0 136.6





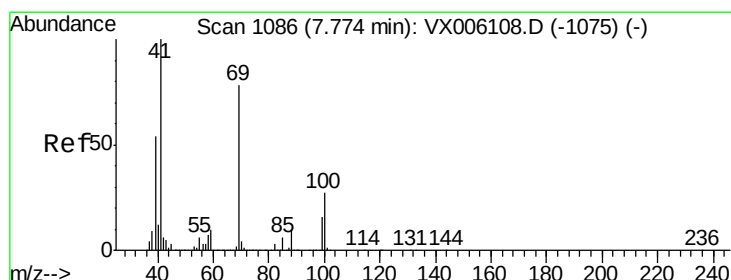
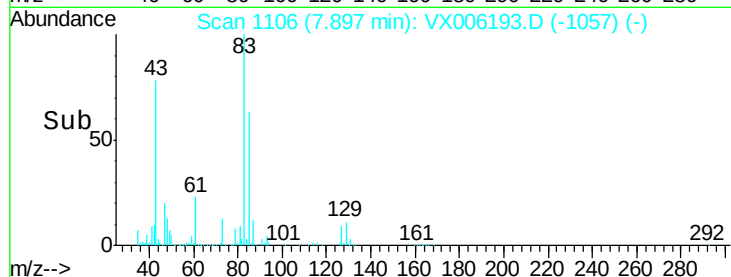
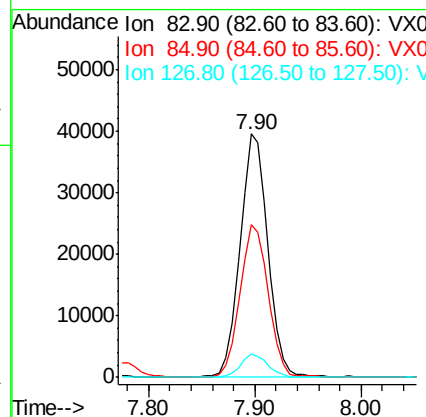
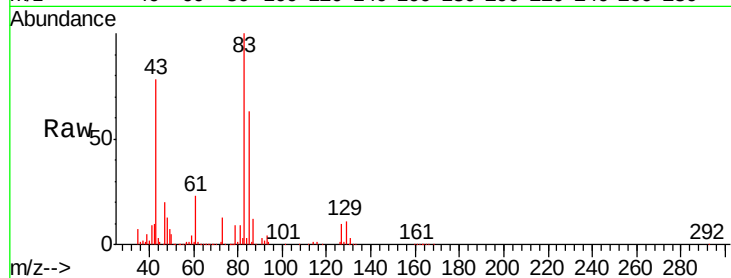
#47
Bromodichloromethane
Concen: 20.71 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.4	75.6
127	9.6	7.0	10.4

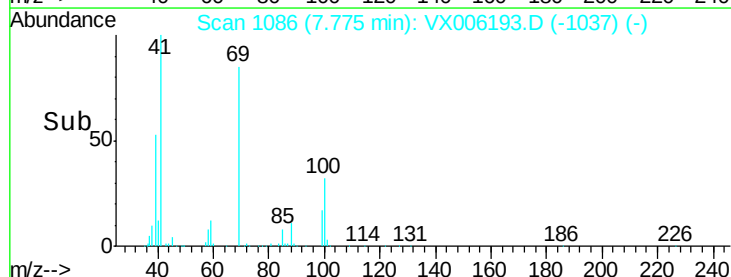
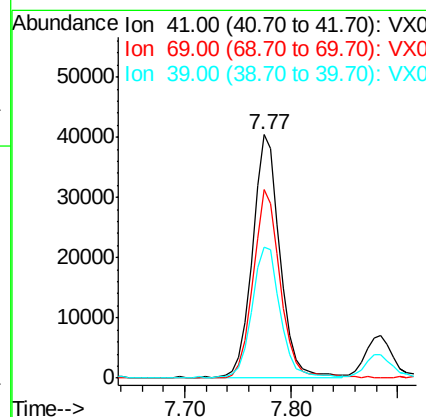
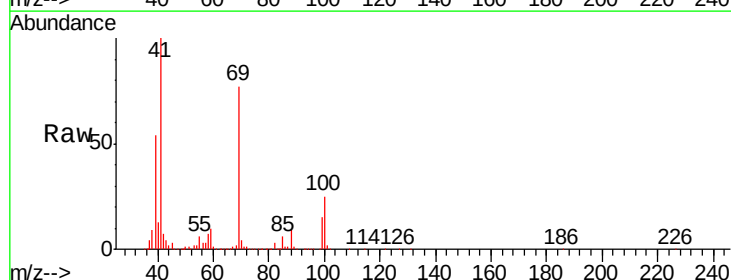
Manual Integrations
APPROVED

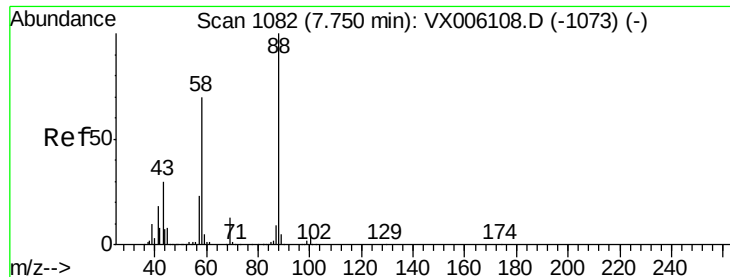
MMDadoda
11/27/2018 11:43:58 AM



#48
Methyl methacrylate
Concen: 21.68 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.9	62.8	94.2
39	57.0	43.8	65.6





#49

1,4-Dioxane

Concen: 399.16 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

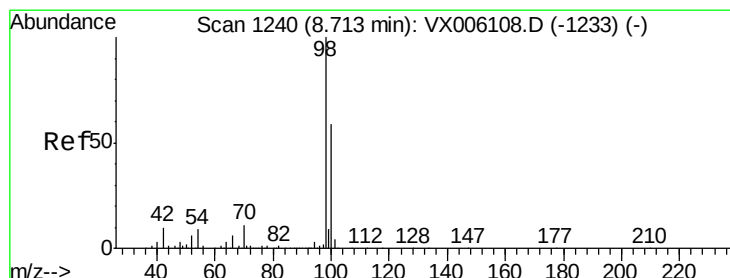
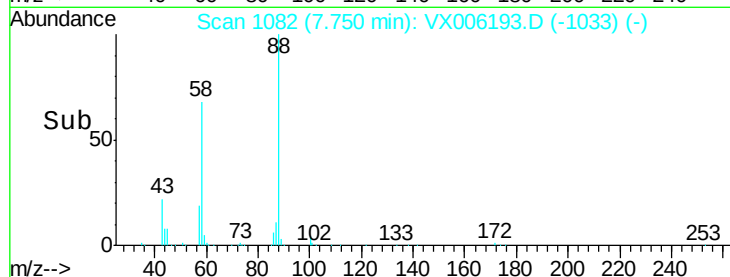
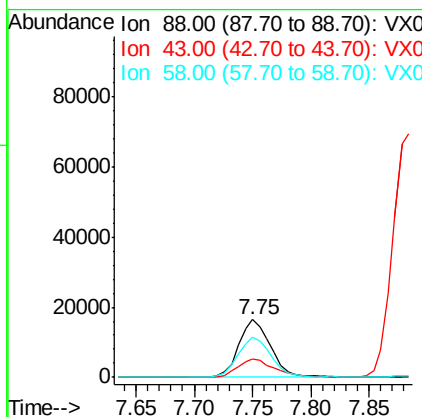
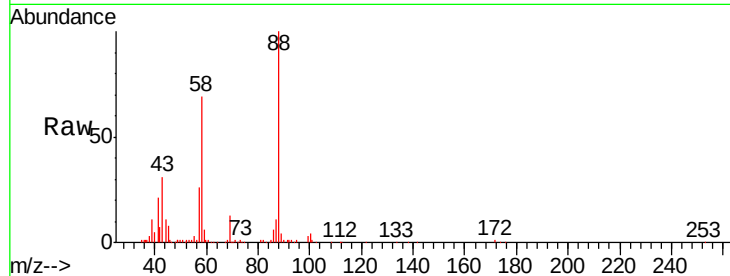
ClientSampleId :

VX1126WBSD02

Tgt Ion:	88	Resp:	31654
Ion	Ratio	Lower	Upper
88	100		
43	34.9	26.7	40.1
58	73.3	58.5	87.7

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#50

Toluene-d8

Concen: 49.88 ug/l

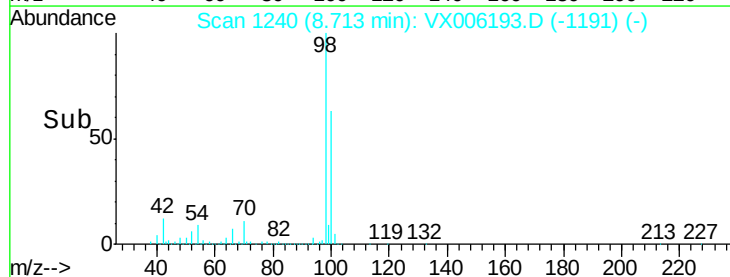
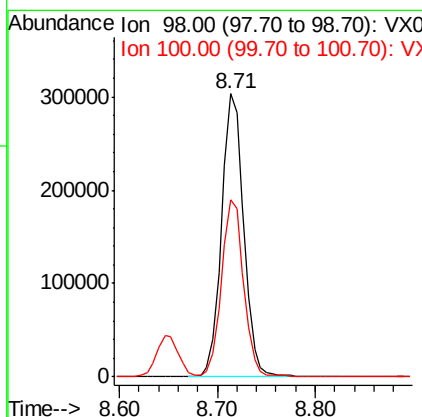
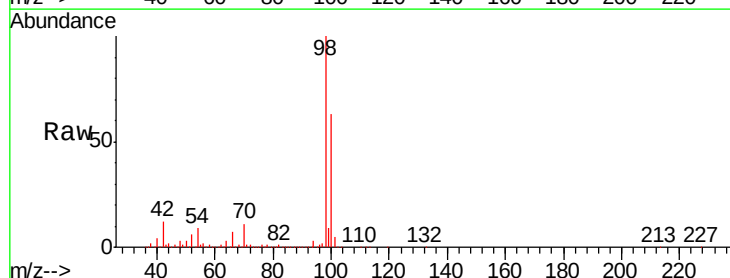
RT: 8.71 min Scan# 1240

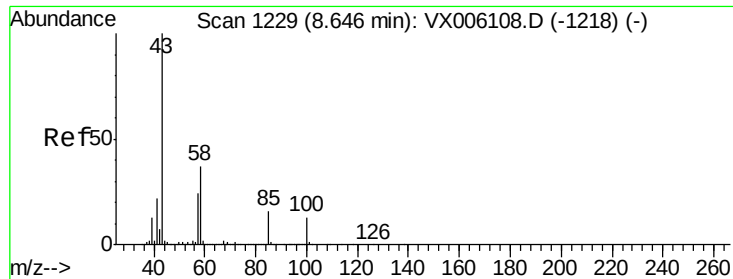
Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion:	98	Resp:	476187
Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 106.04 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 43 Resp: 501051

Ion Ratio Lower Upper

43 100

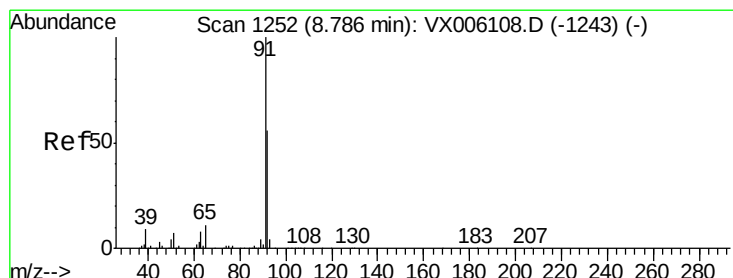
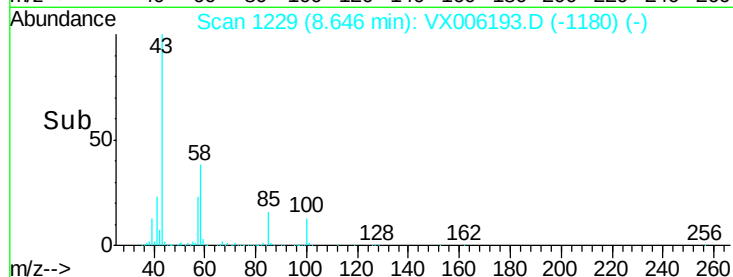
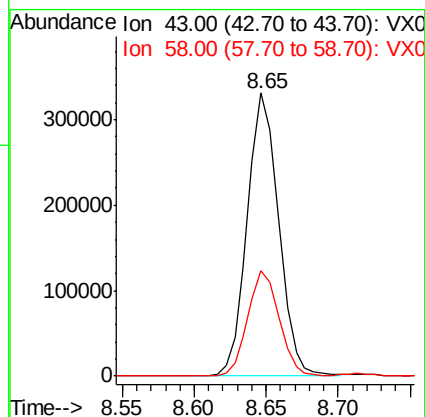
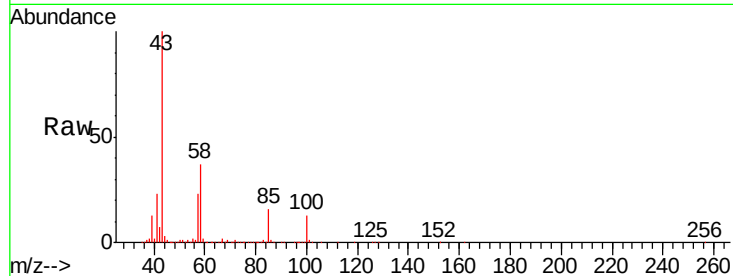
58 37.0 29.9 44.9

Manual Integrations

APPROVED

MMDadoda

11/27/2018 11:43:58 AM



#52

Toluene

Concen: 20.61 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006193.D

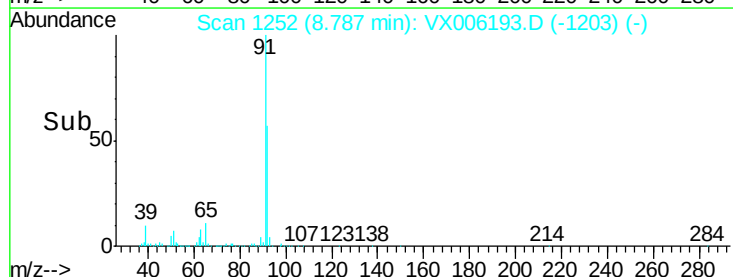
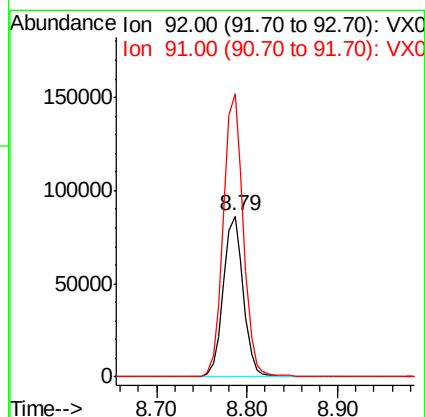
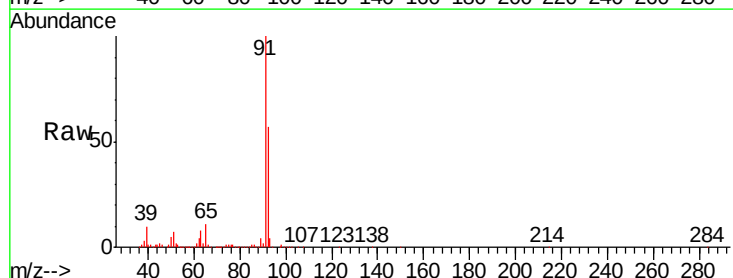
Acq: 27 Nov 2018 00:04

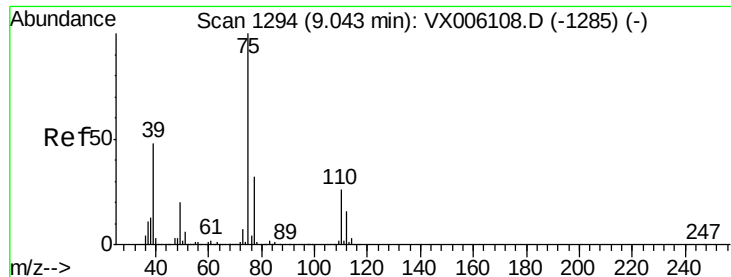
Tgt Ion: 92 Resp: 133247

Ion Ratio Lower Upper

92 100

91 175.7 142.5 213.7





#53

t-1,3-Dichloropropene

Concen: 20.33 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 75 Resp: 74335

Ion Ratio Lower Upper

75 100

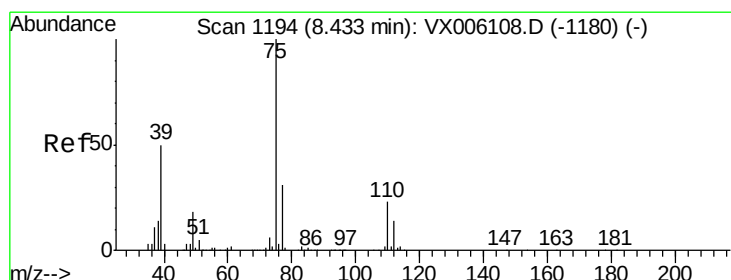
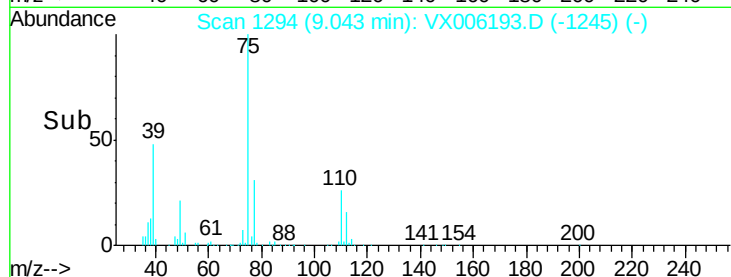
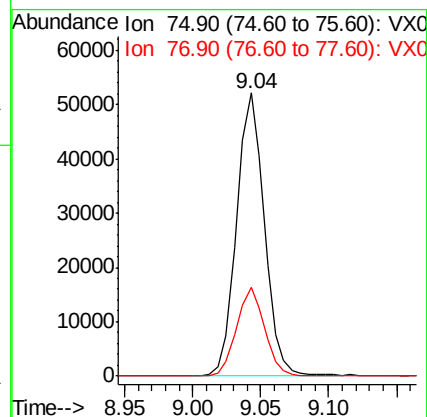
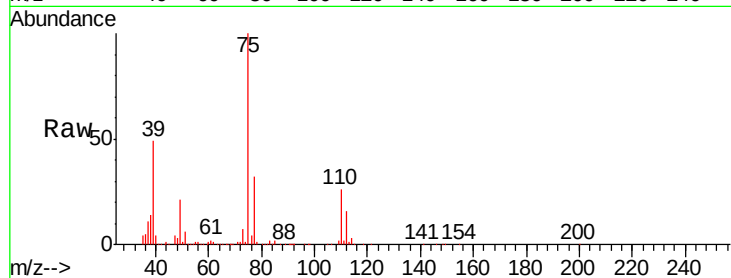
77 31.3 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

11/27/2018 11:43:58 AM



#54

cis-1,3-Dichloropropene

Concen: 19.87 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

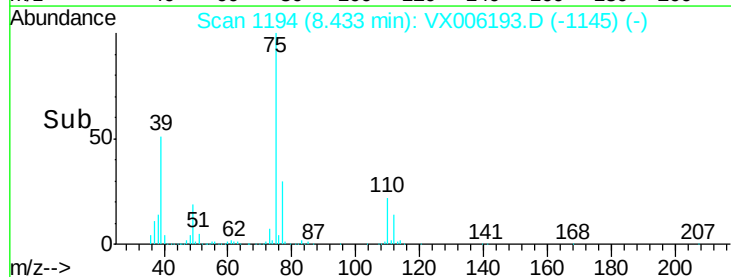
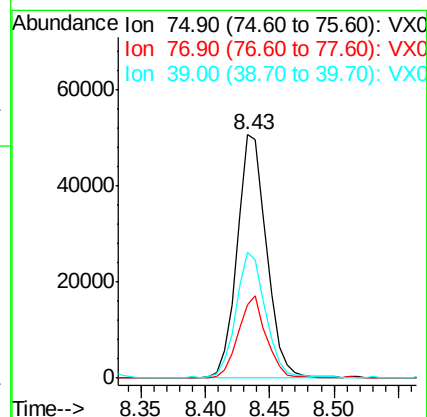
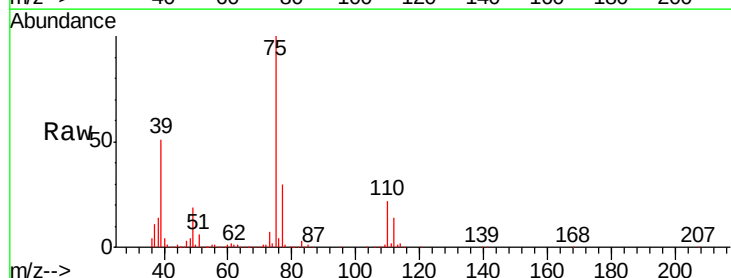
Tgt Ion: 75 Resp: 80286

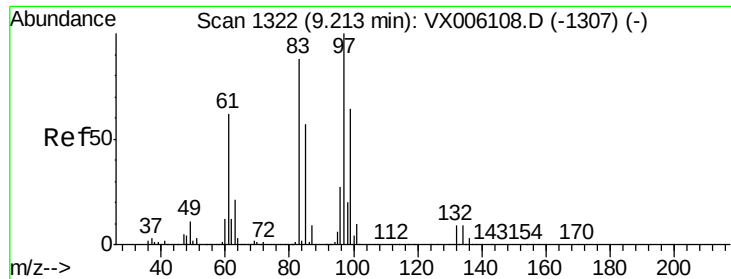
Ion Ratio Lower Upper

75 100

77 30.0 24.7 37.1

39 51.3 40.3 60.5





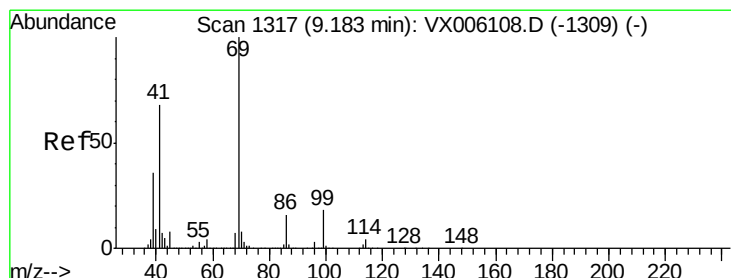
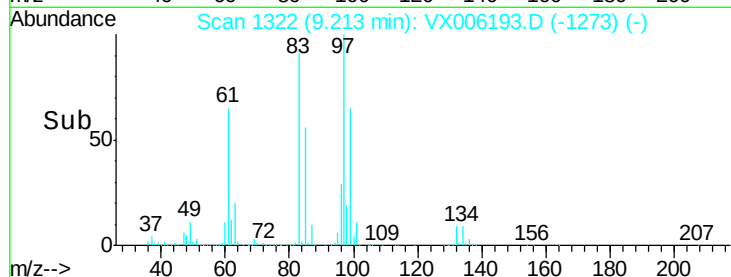
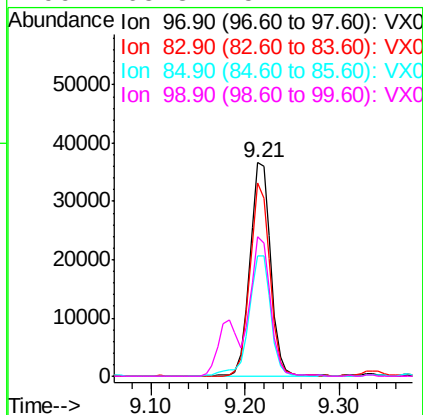
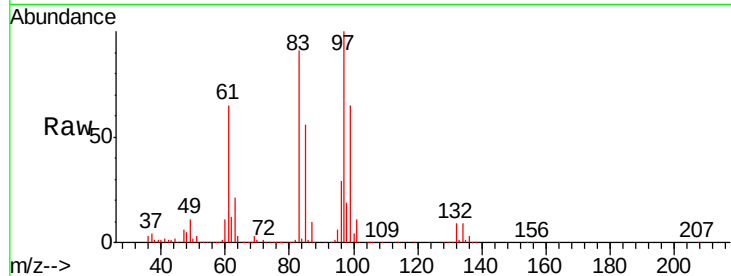
#55
1,1,2-Trichloroethane
Concen: 20.36 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.4	70.7	106.1
85	56.0	45.7	68.5
99	65.3	51.4	77.2

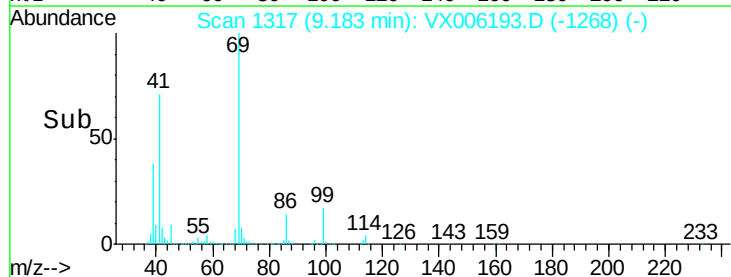
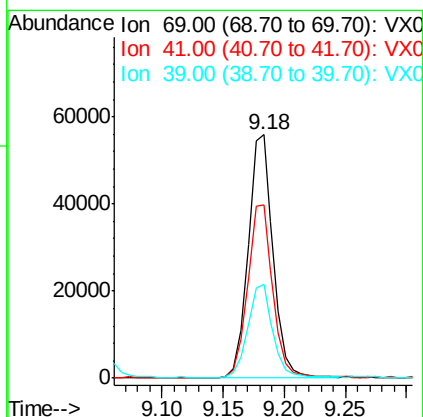
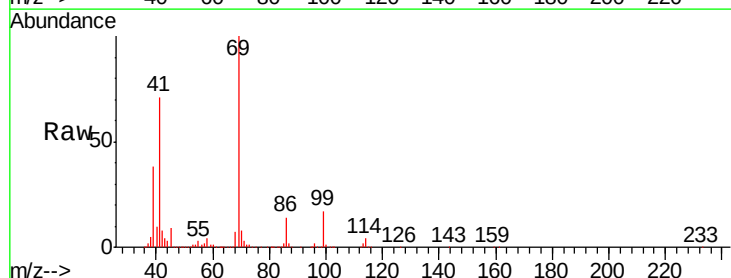
Manual Integrations
APPROVED

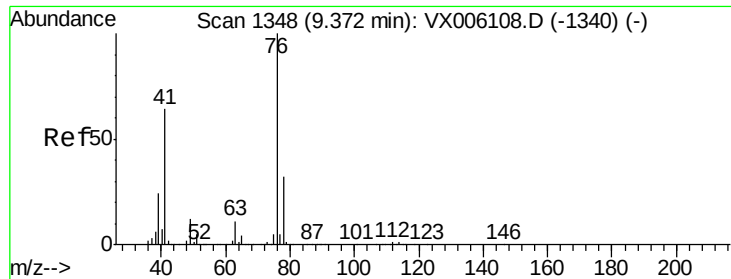
MMDadoda
11/27/2018 11:43:58 AM



#56
Ethyl methacrylate
Concen: 19.94 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.4	56.2	84.4
39	38.3	29.4	44.0





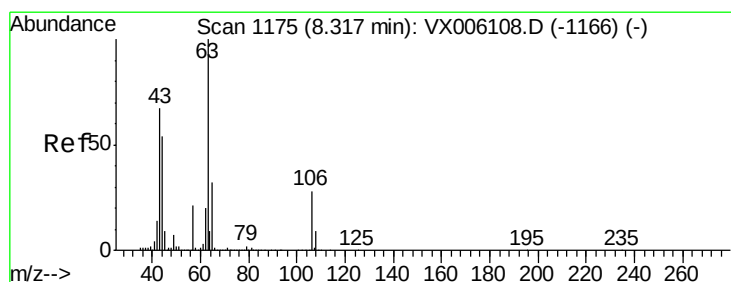
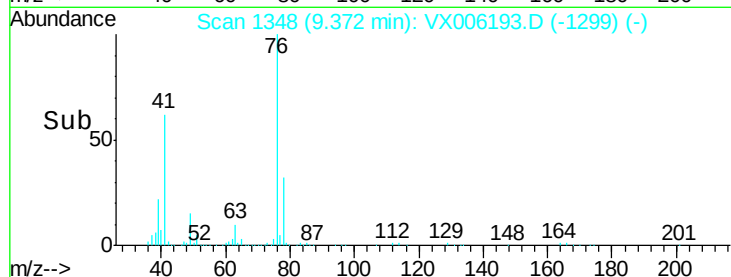
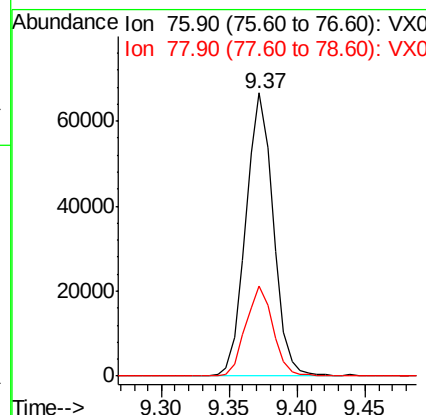
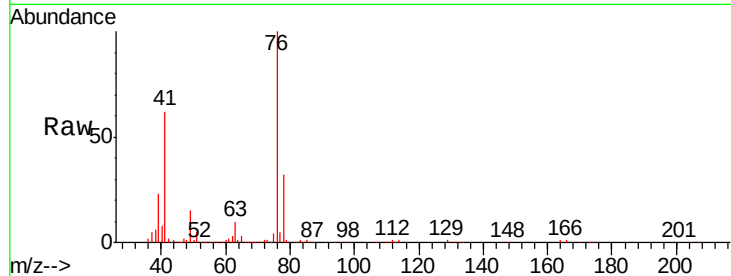
#57
 1,3-Dichloropropane
 Concen: 20.45 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.7	38.5

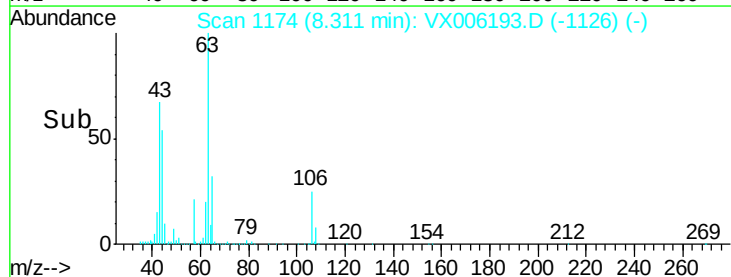
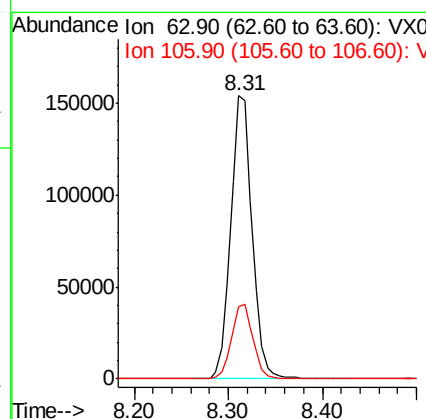
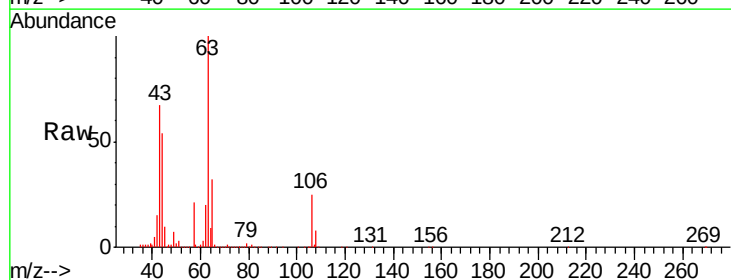
Manual Integrations
 APPROVED

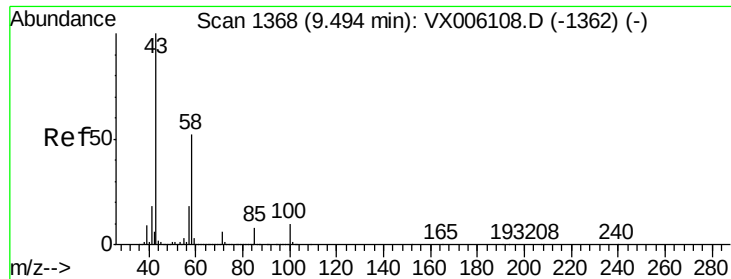
MMDadoda
 11/27/2018 11:43:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.34 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.7	32.5





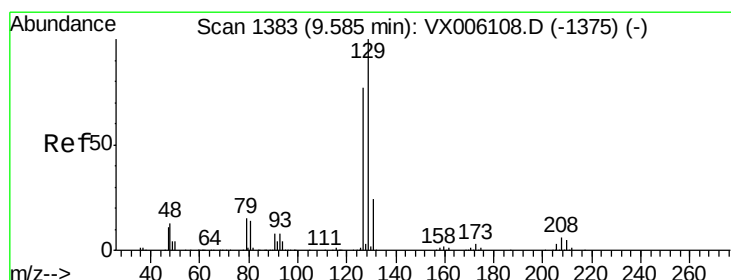
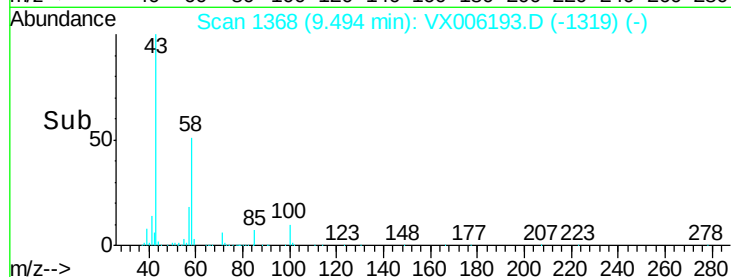
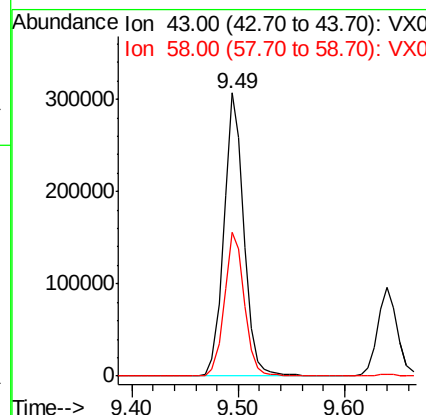
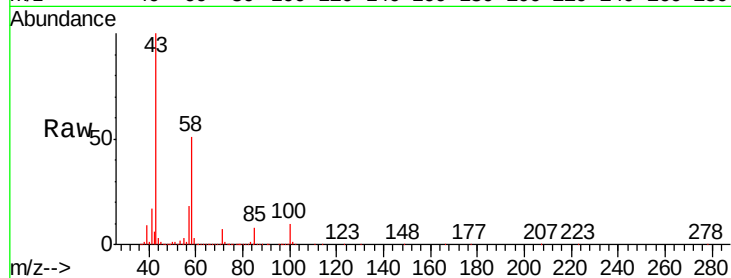
#59
2-Hexanone
Concen: 106.55 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion: 43 Resp: 399546
Ion Ratio Lower Upper
43 100
58 51.2 26.3 78.9

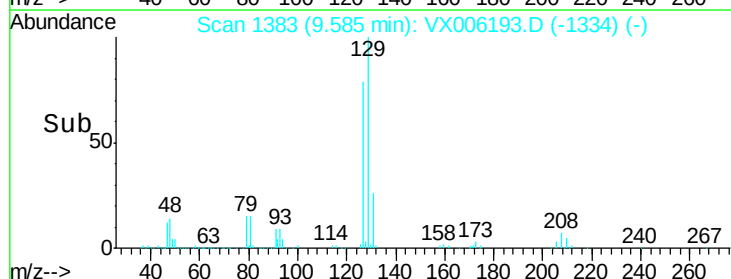
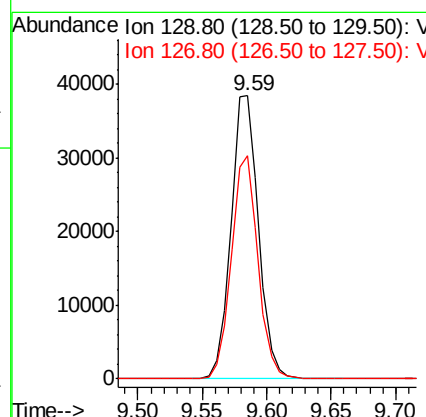
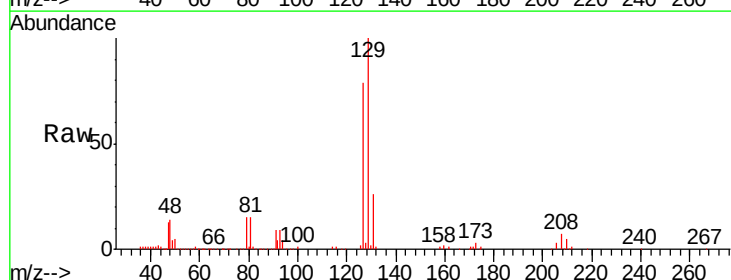
Manual Integrations
APPROVED

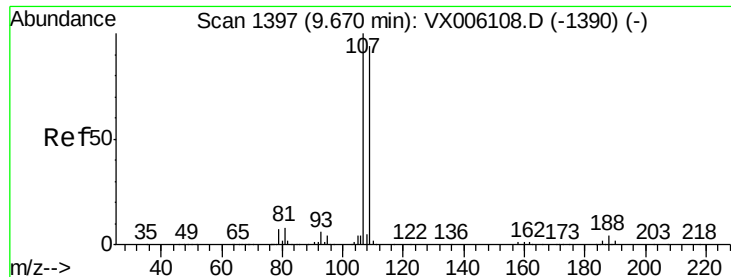
MMDadoda
11/27/2018 11:43:58 AM



#60
Dibromochloromethane
Concen: 20.97 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion: 129 Resp: 57557
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.5





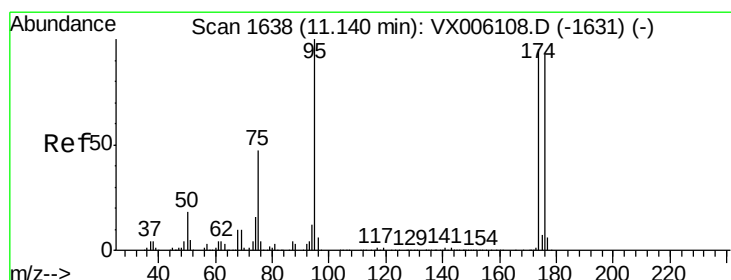
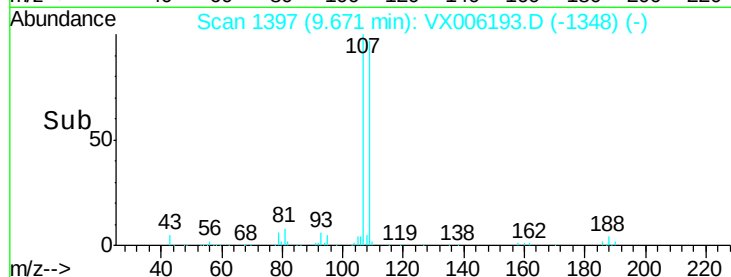
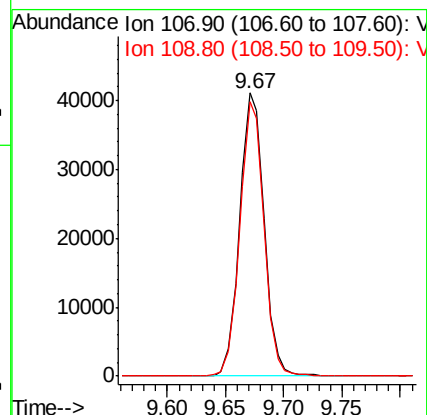
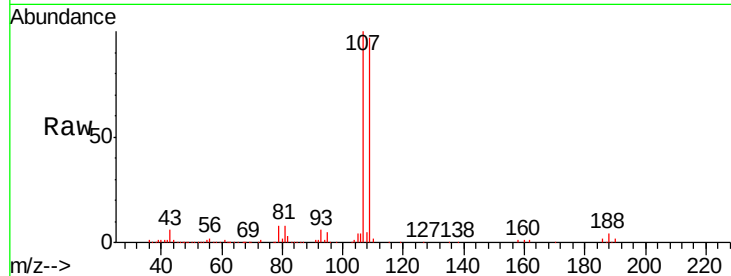
#61
 1,2-Dibromoethane
 Concen: 20.89 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBSD02

Tgt Ion: 107 Resp: 60245
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.7 113.5

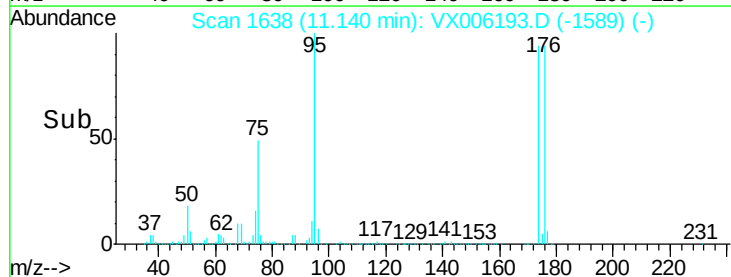
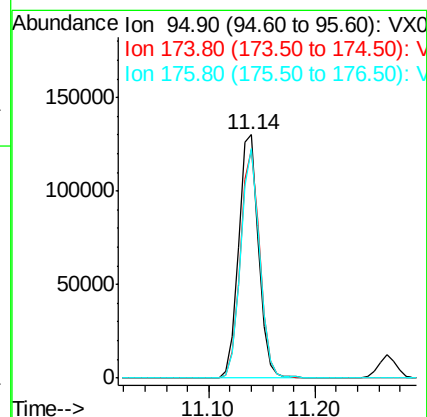
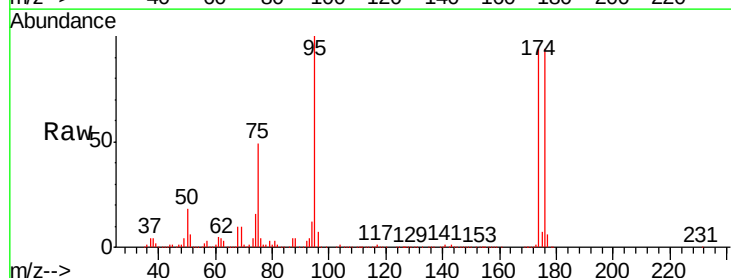
Manual Integrations
 APPROVED

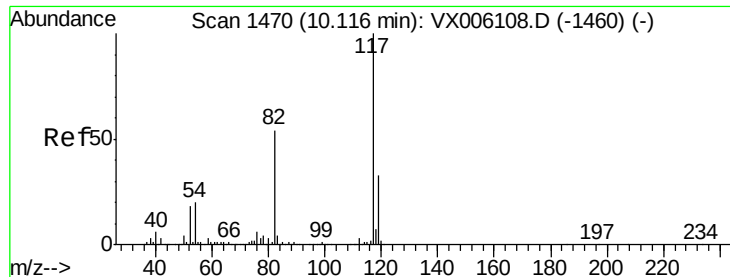
MMDadoda
 11/27/2018 11:43:58 AM



#62
 4-Bromofluorobenzene
 Concen: 47.94 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Tgt Ion: 95 Resp: 171712
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 184.4
 176 89.5 0.0 179.0





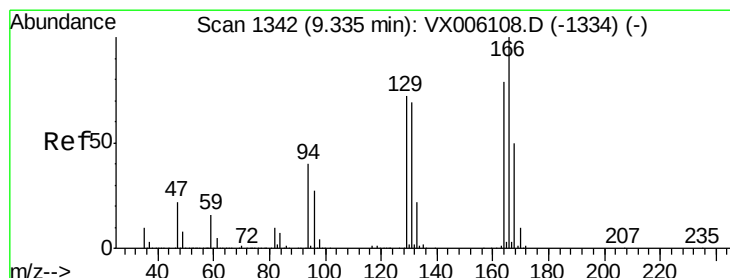
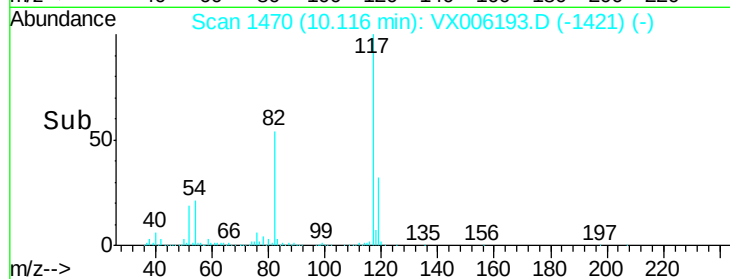
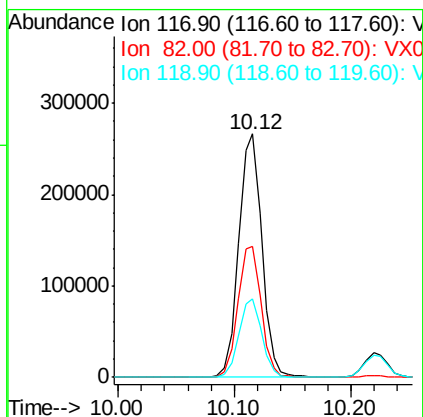
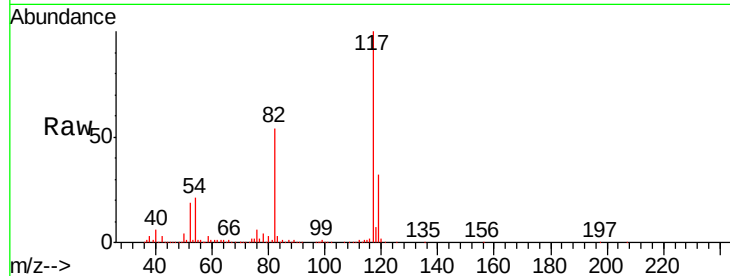
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	369460		
82	53.7	43.0	64.4	
119	32.2	26.1	39.1	

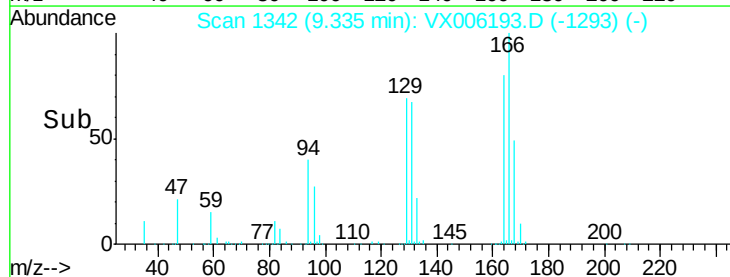
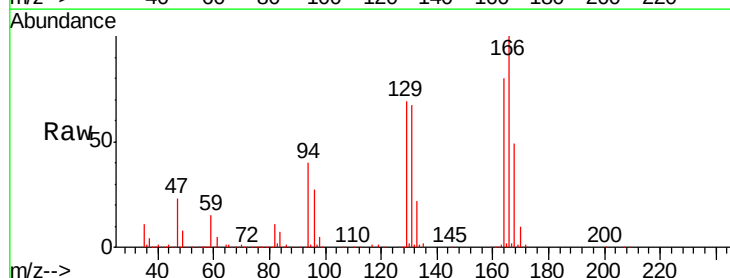
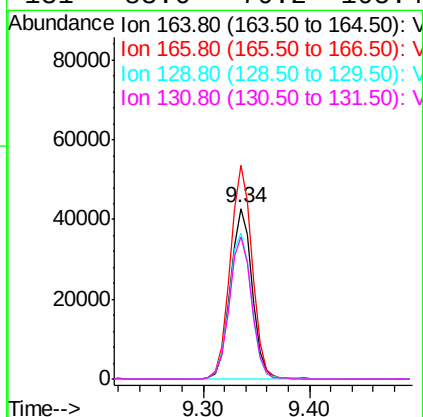
Manual Integrations
APPROVED

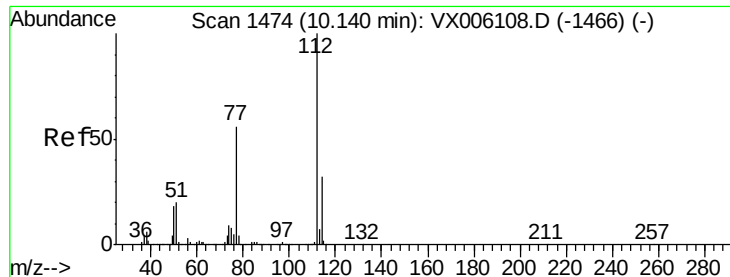
MMDadoda
11/27/2018 11:43:58 AM



#64
Tetrachloroethene
Concen: 20.40 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62021		
166	125.4	101.5	152.3	
129	86.0	73.4	110.0	
131	83.6	70.2	105.4	





#65

Chlorobenzene

Concen: 19.67 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion:112 Resp: 149071

Ion Ratio Lower Upper

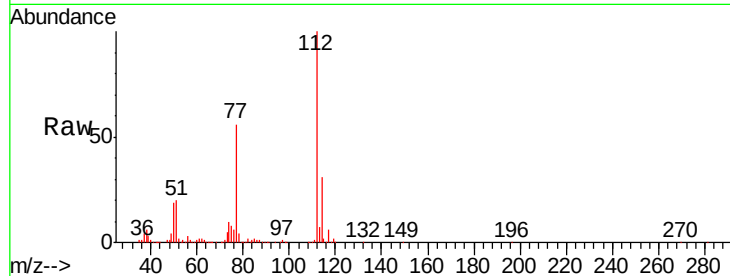
112 100

114 31.4 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

11/27/2018 11:43:58 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

120000

100000

80000

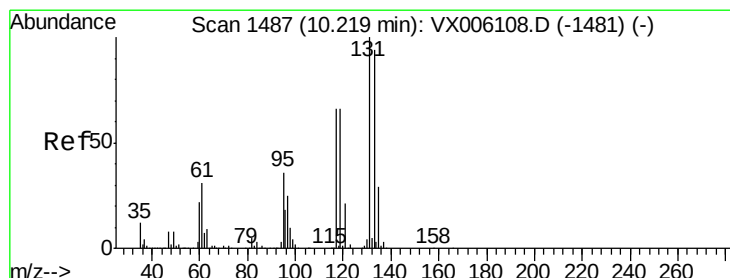
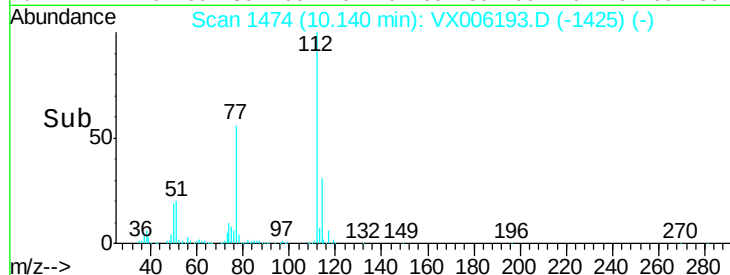
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.93 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

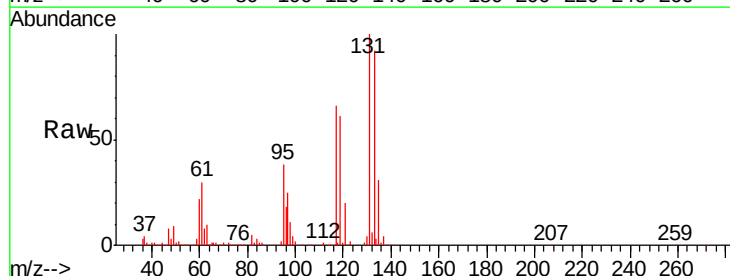
Tgt Ion:131 Resp: 54450

Ion Ratio Lower Upper

131 100

133 93.1 48.0 144.2

119 62.7 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

50000

40000

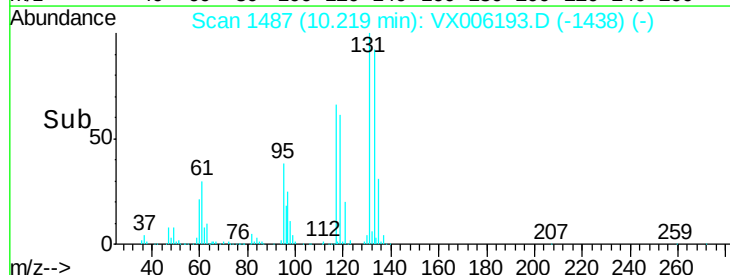
30000

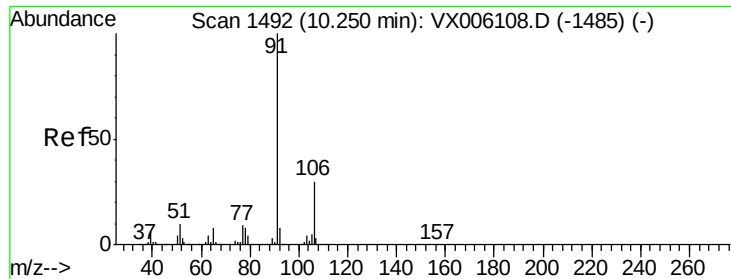
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 19.79 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 91 Resp: 245550

Ion Ratio Lower Upper

91 100

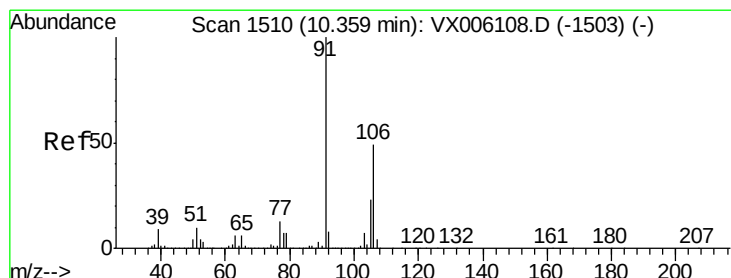
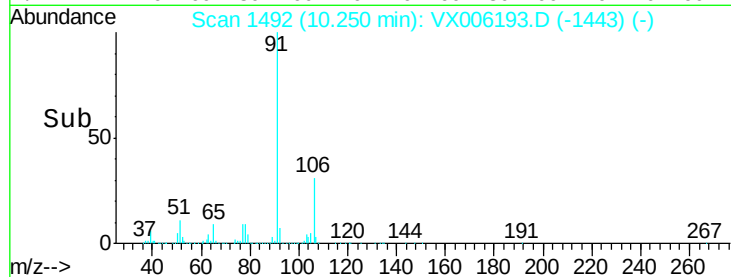
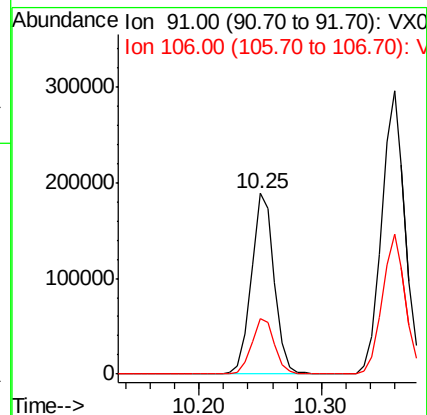
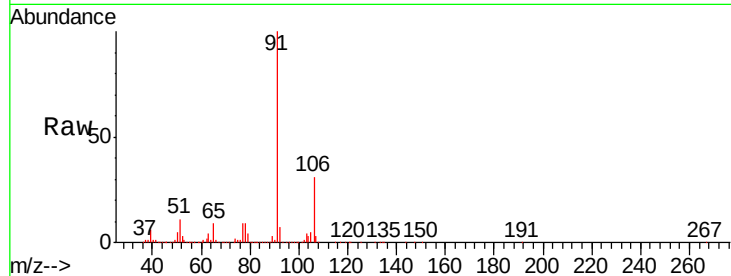
106 30.7 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

11/27/2018 11:43:58 AM



#68

m/p-Xylenes

Concen: 39.94 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006193.D

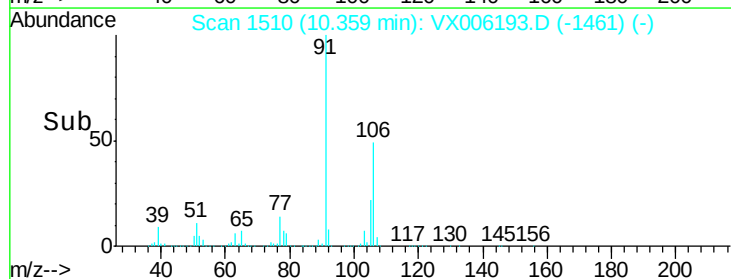
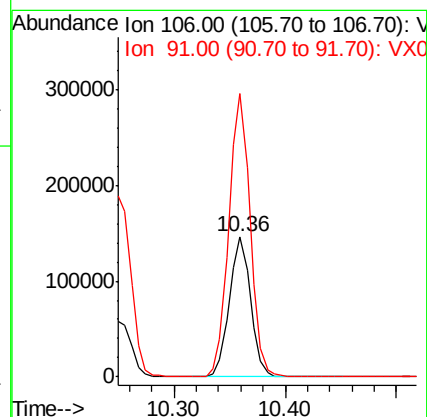
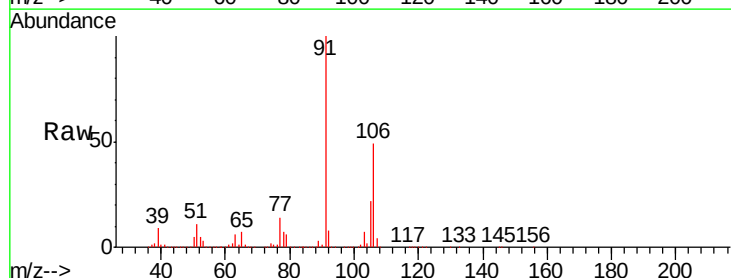
Acq: 27 Nov 2018 00:04

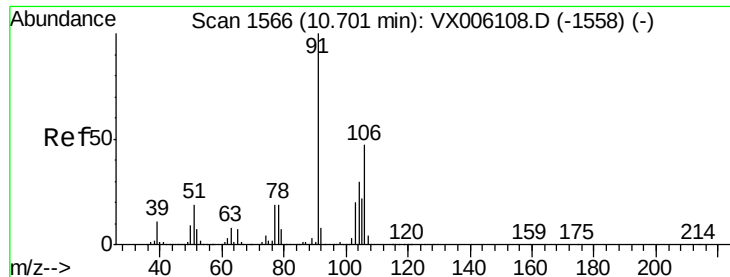
Tgt Ion: 106 Resp: 192989

Ion Ratio Lower Upper

106 100

91 202.9 162.0 243.0





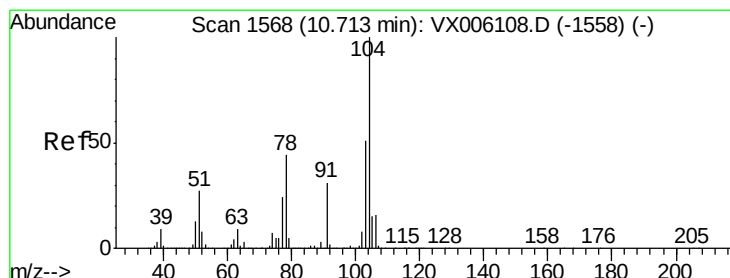
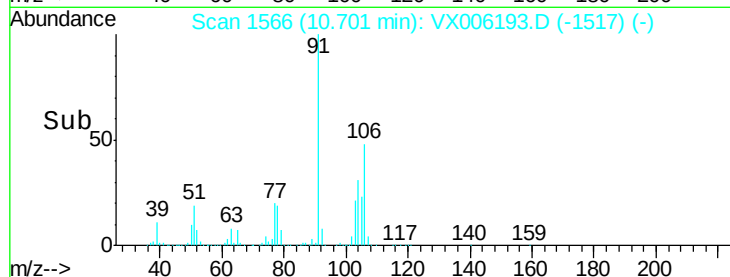
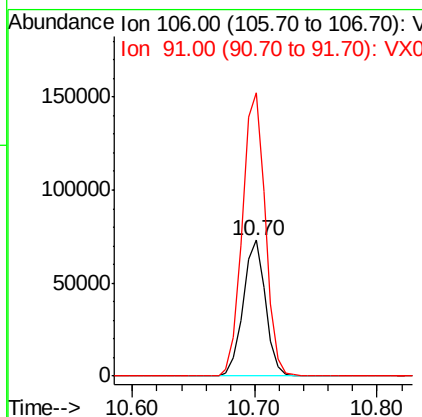
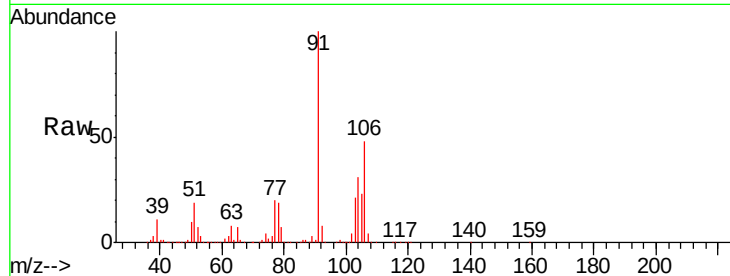
#69
o-Xylene
Concen: 19.96 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion:106 Resp: 92103
Ion Ratio Lower Upper
106 100
91 213.6 107.4 322.2

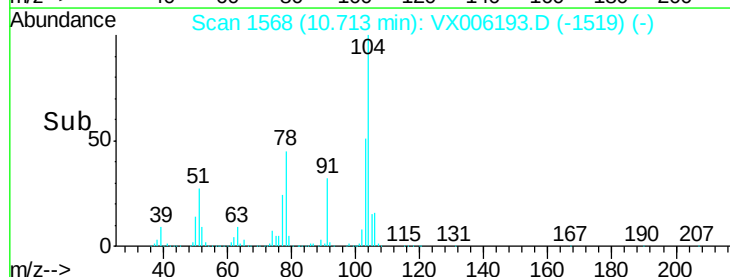
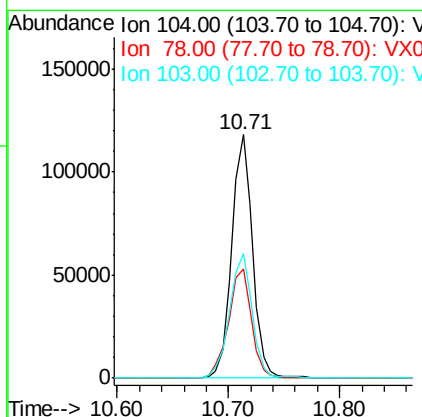
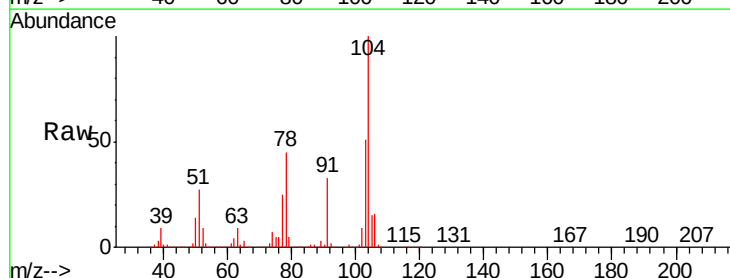
Manual Integrations
APPROVED

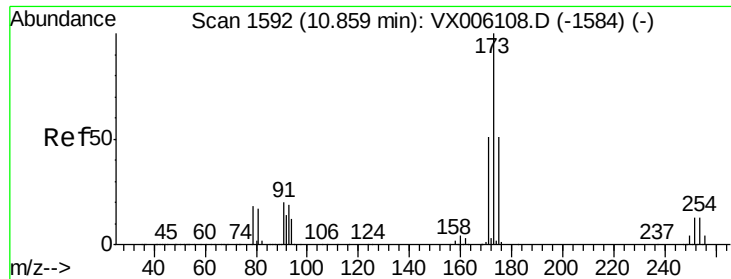
MMDadoda
11/27/2018 11:43:58 AM



#70
Styrene
Concen: 20.33 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion:104 Resp: 152972
Ion Ratio Lower Upper
104 100
78 50.0 39.4 59.2
103 56.1 44.6 67.0





#71

Bromoform

Concen: 20.05 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion:173 Resp: 46698

Ion Ratio Lower Upper

173 100

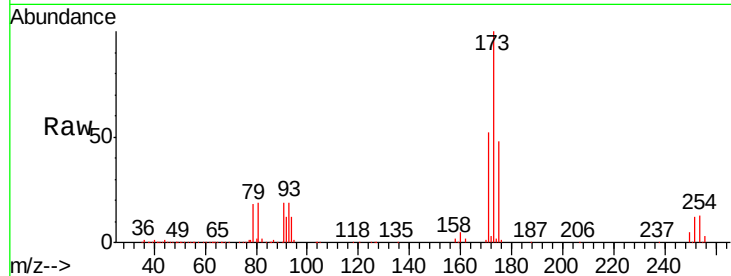
175 49.0 24.9 74.6

254 0.1 0.2 0.2#

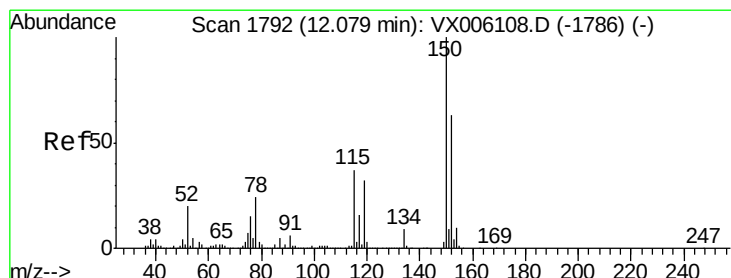
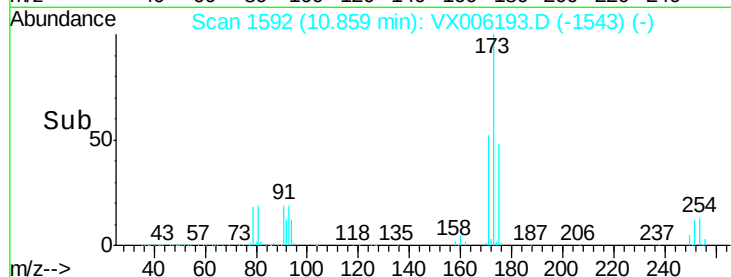
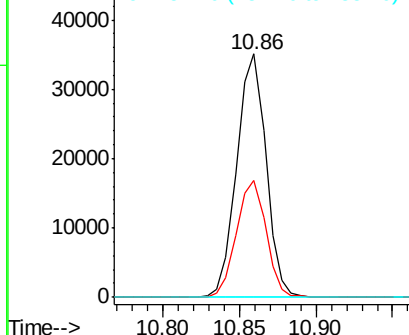
Manual Integrations
APPROVED

MMDadoda

11/27/2018 11:43:58 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

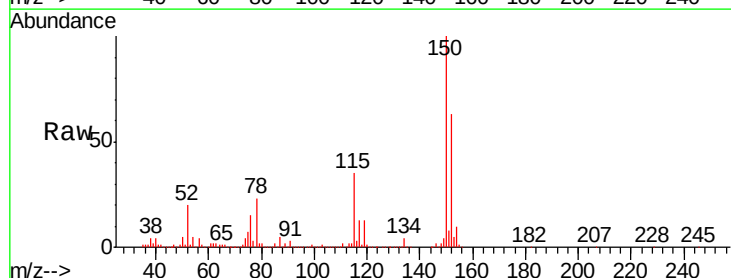
Tgt Ion:152 Resp: 201966

Ion Ratio Lower Upper

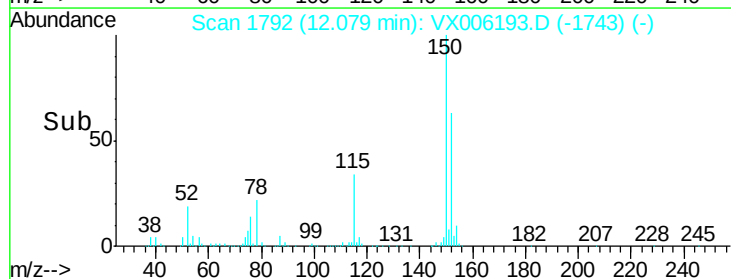
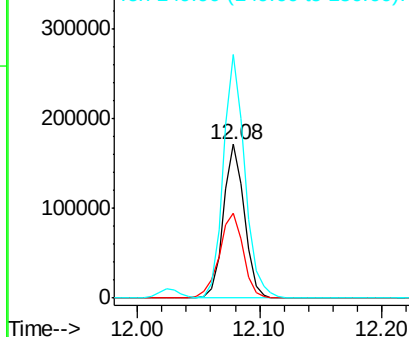
152 100

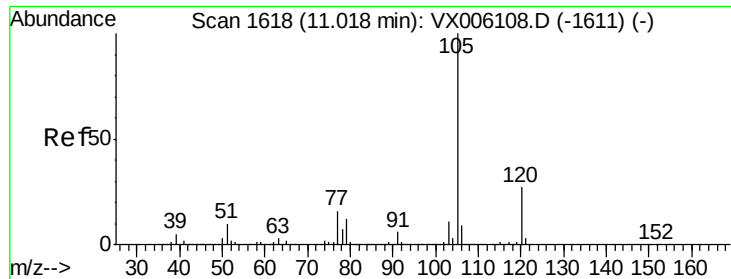
115 63.4 39.0 116.9

150 162.5 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.57 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 105 Resp: 251379

Ion Ratio Lower Upper

105 100

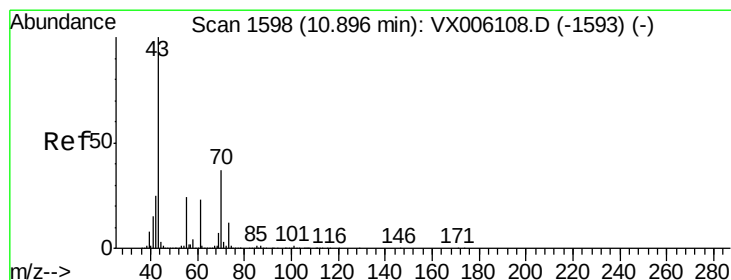
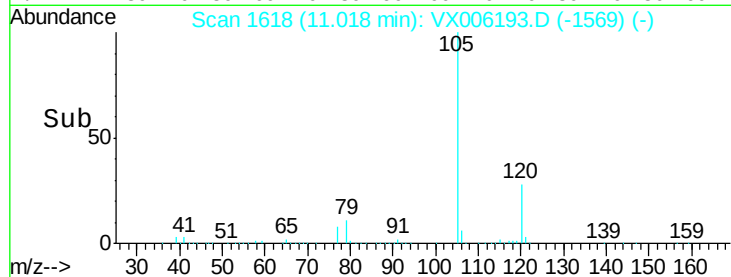
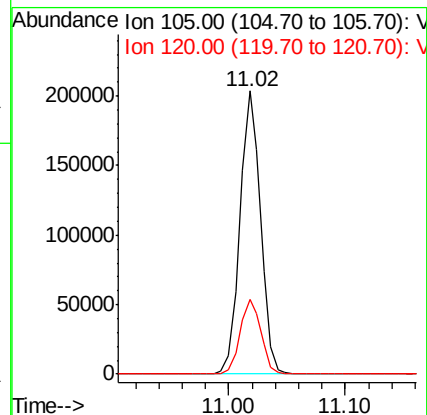
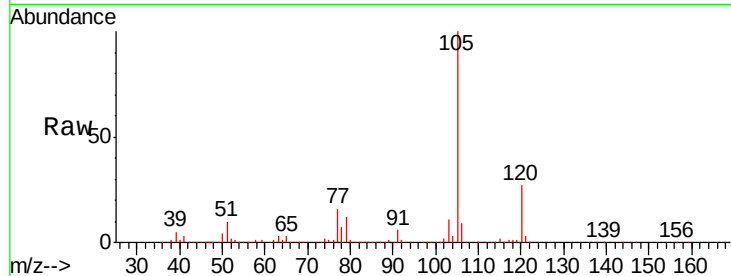
120 26.9 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

11/27/2018 11:43:58 AM



#74

N-ethyl acetate

Concen: 20.18 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion: 43 Resp: 117202

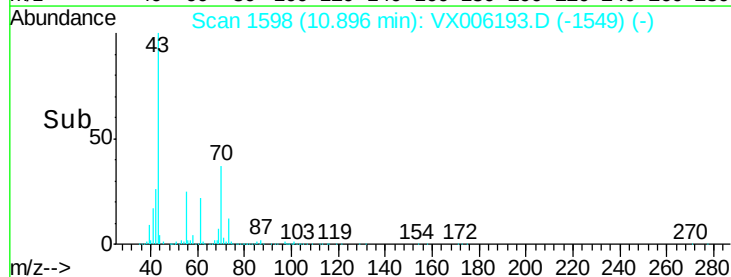
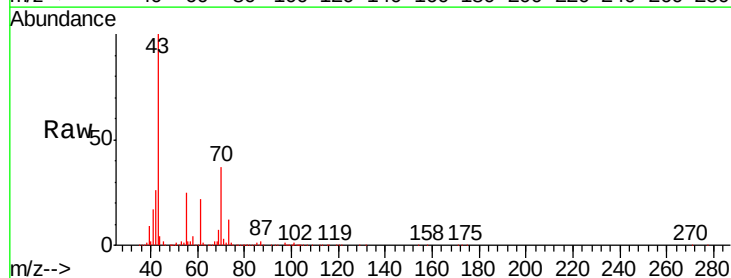
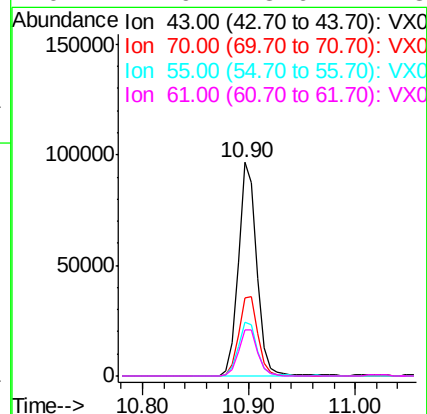
Ion Ratio Lower Upper

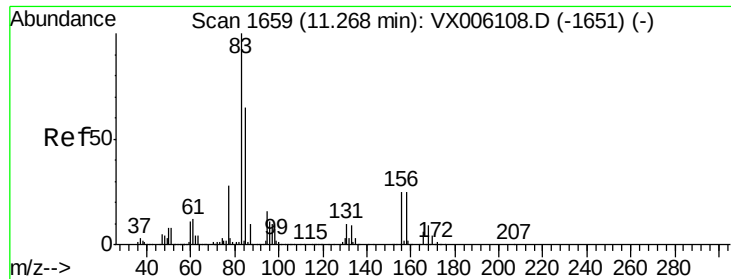
43 100

70 39.2 31.8 47.6

55 26.0 19.5 29.3

61 22.9 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.31 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 83 Resp: 93534
Ion Ratio Lower Upper

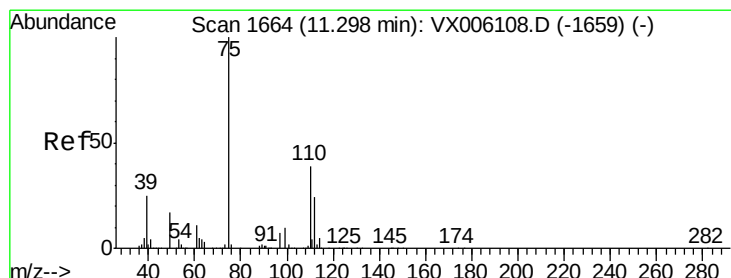
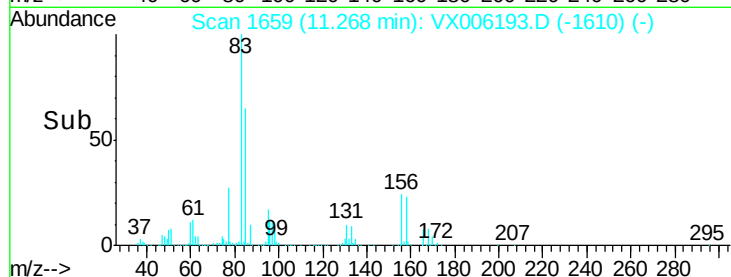
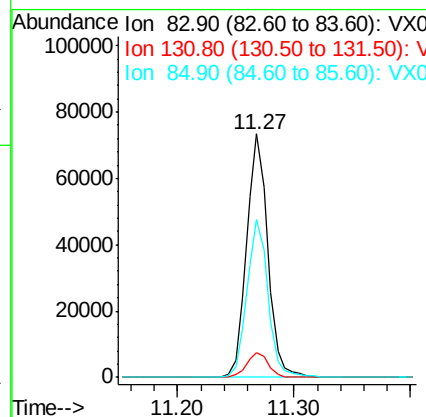
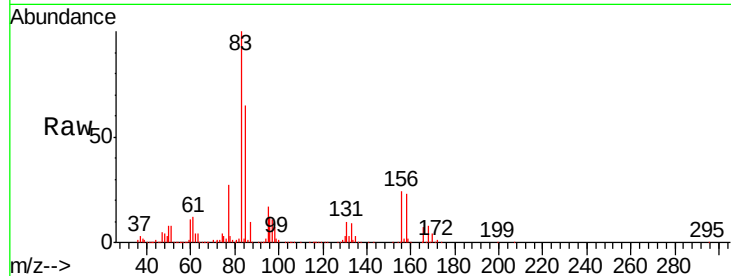
83 100

131 10.3 5.2 15.6

85 64.4 32.6 97.8

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#76

1,2,3-Trichloropropane

Concen: 21.51 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

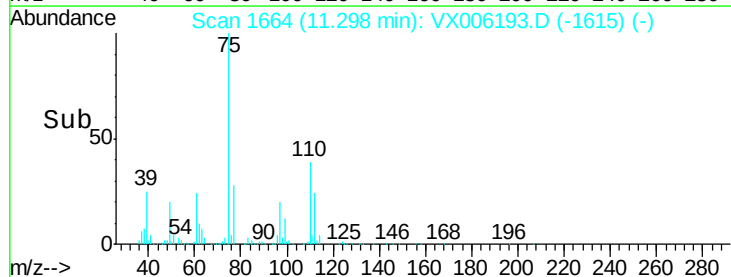
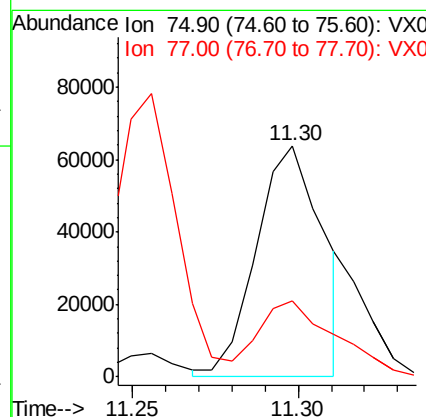
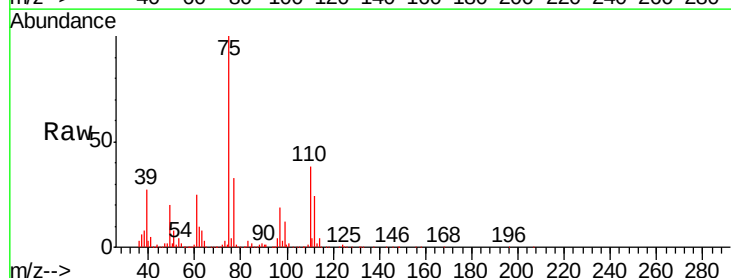
Lab File: VX006193.D

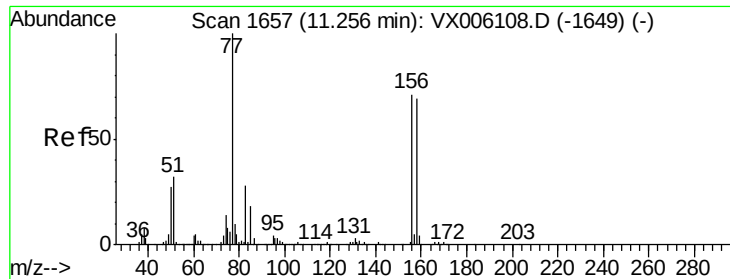
Acq: 27 Nov 2018 00:04

Tgt Ion: 75 Resp: 89457
Ion Ratio Lower Upper

75 100

77 37.6 19.6 58.7





#77

Bromobenzene

Concen: 20.21 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

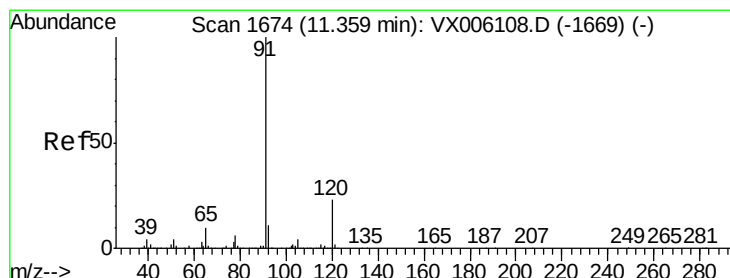
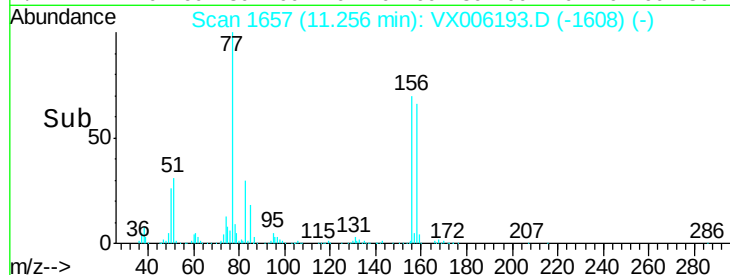
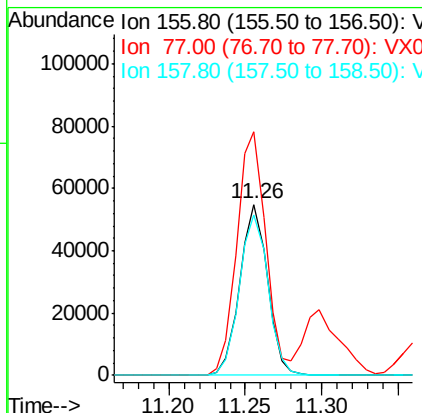
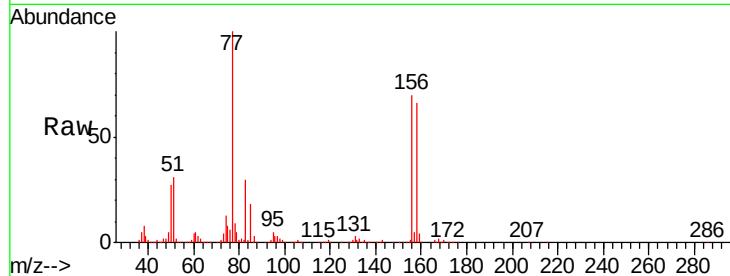
ClientSampleId :

VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	149.3	74.3	222.8
158	97.5	49.0	147.0

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#78

n-propylbenzene

Concen: 20.38 ug/l

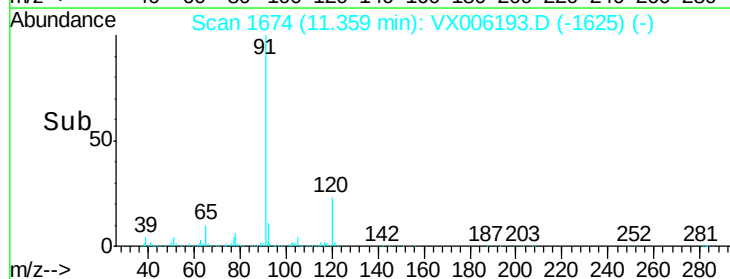
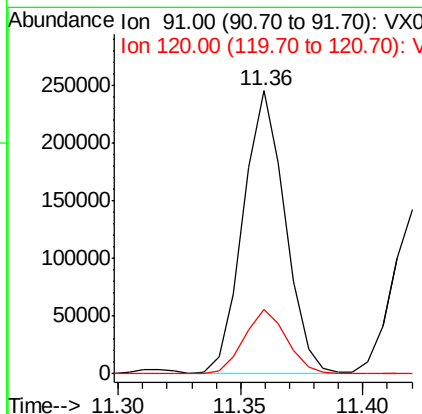
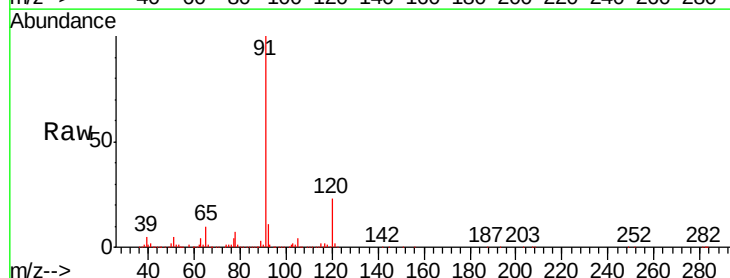
RT: 11.36 min Scan# 1674

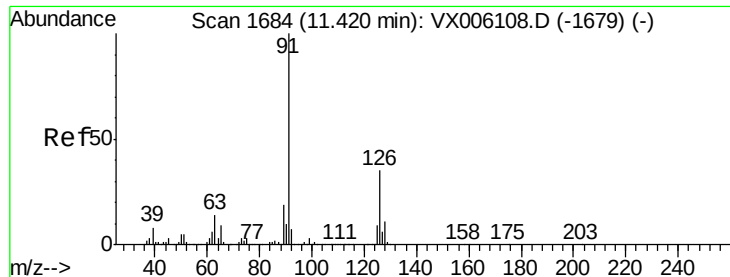
Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 20.31 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion: 91 Resp: 174865

Ion Ratio Lower Upper

91 100

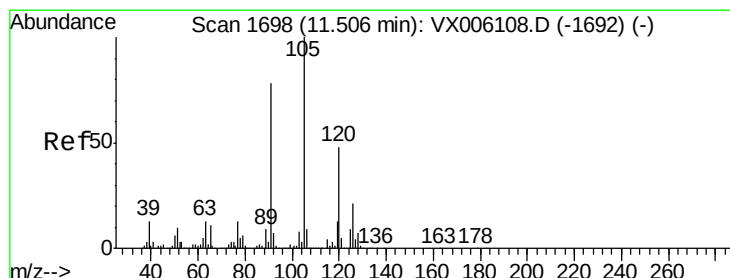
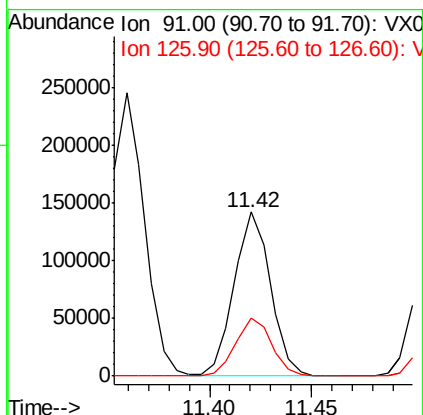
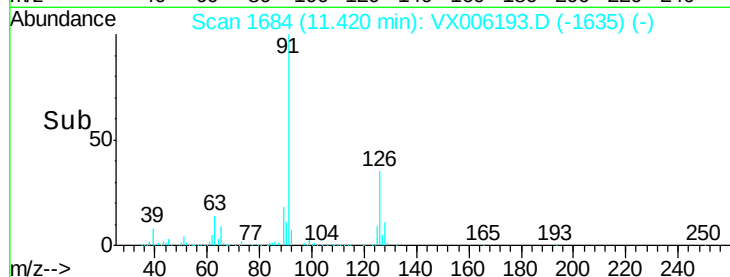
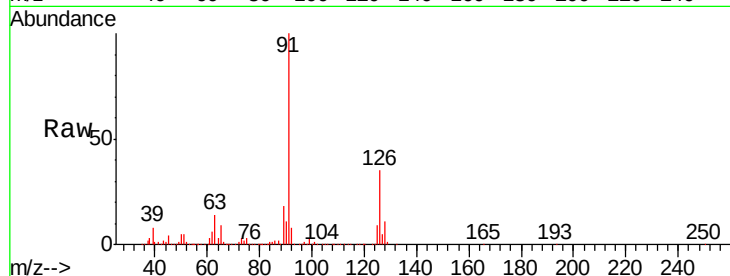
126 35.4 17.6 52.9

Manual Integrations

APPROVED

MMDadoda

11/27/2018 11:43:58 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.66 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006193.D

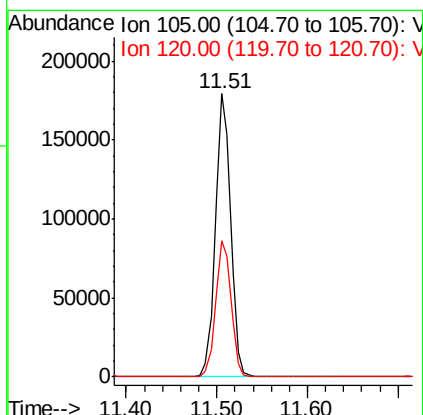
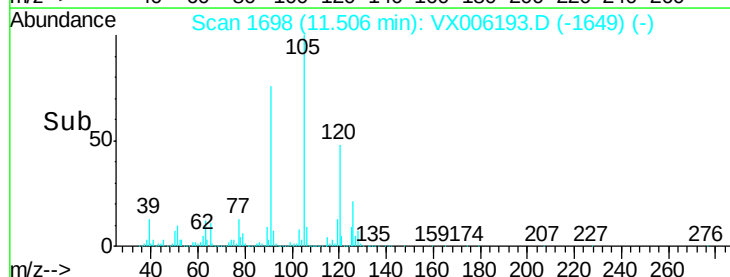
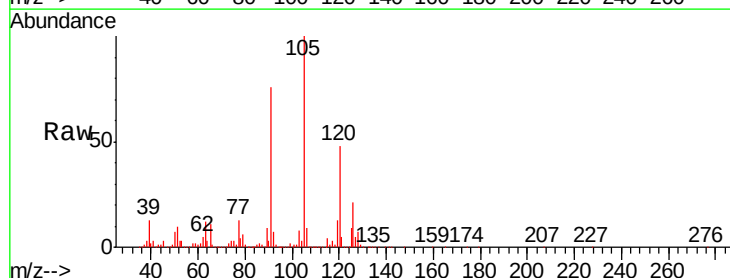
Acq: 27 Nov 2018 00:04

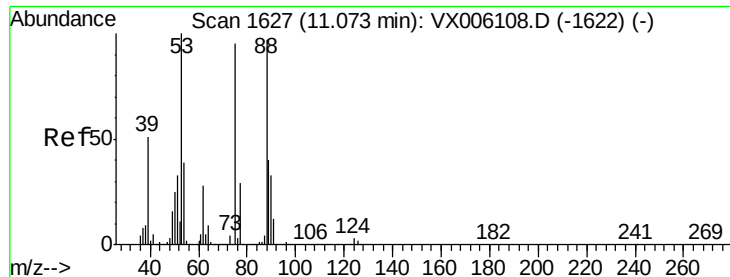
Tgt Ion: 105 Resp: 212865

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.10 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

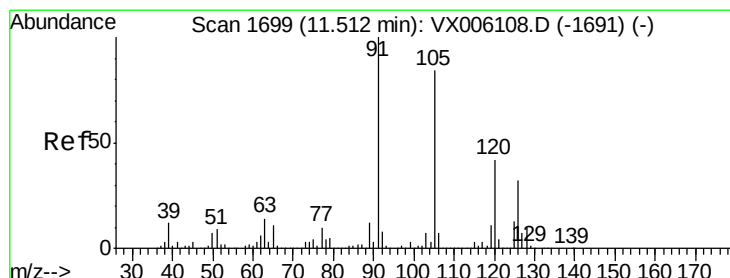
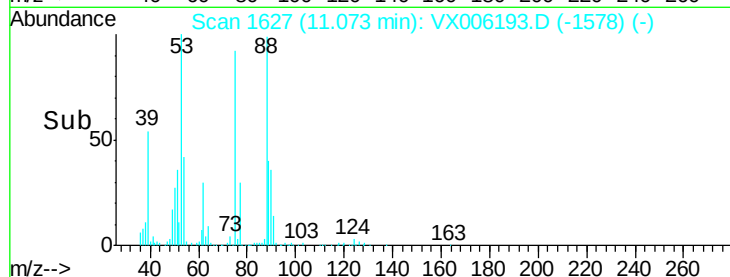
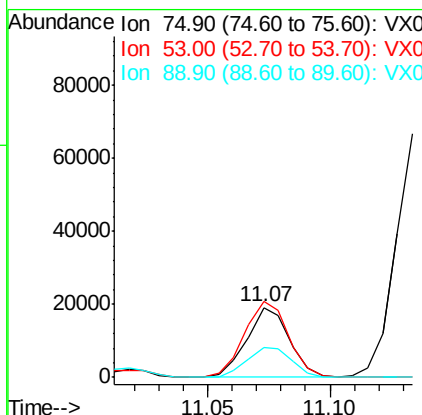
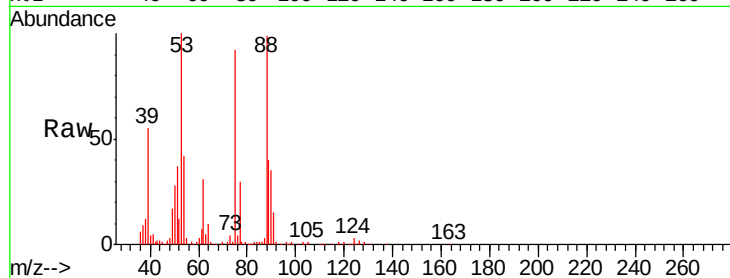
ClientSampleId :

VX1126WBSD02

Tgt Ion:	75	Resp:	23487
Ion	Ratio	Lower	Upper
75	100		
53	109.6	85.3	127.9
89	45.2	37.2	55.8

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#82

4-Chlorotoluene

Concen: 20.55 ug/l

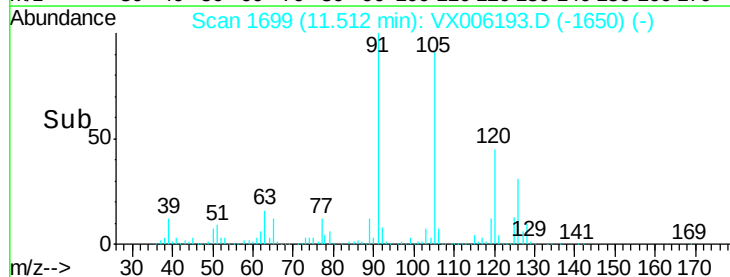
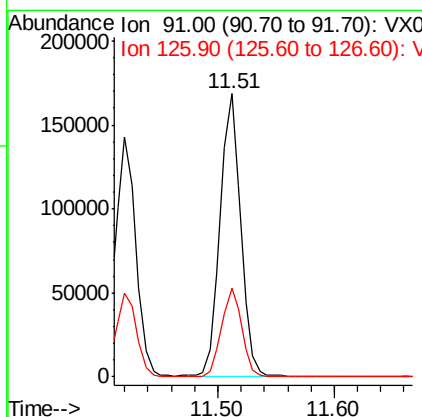
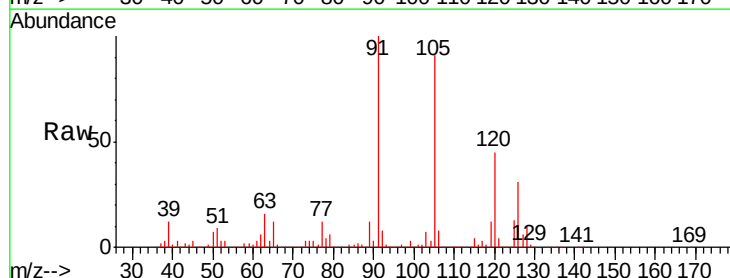
RT: 11.51 min Scan# 1699

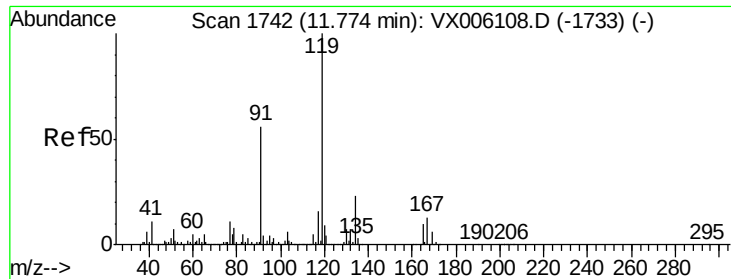
Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion:	91	Resp:	206497
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.9





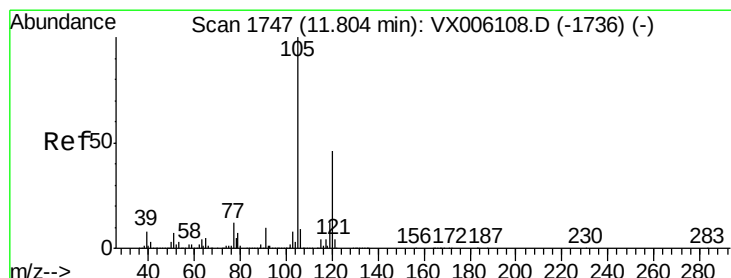
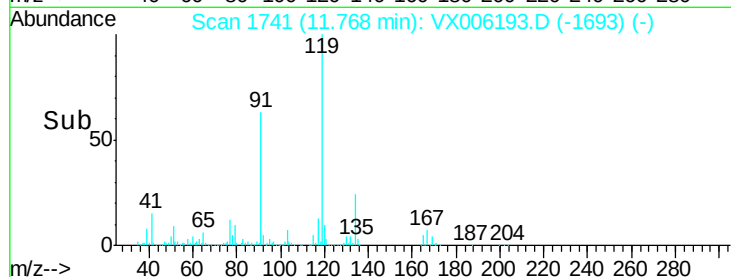
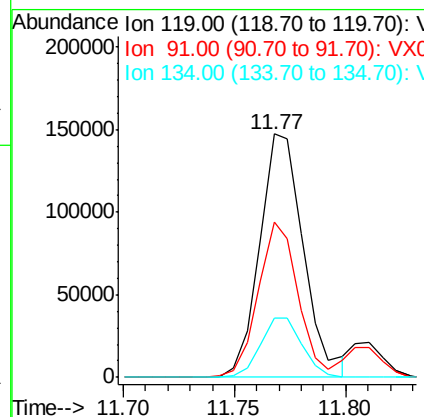
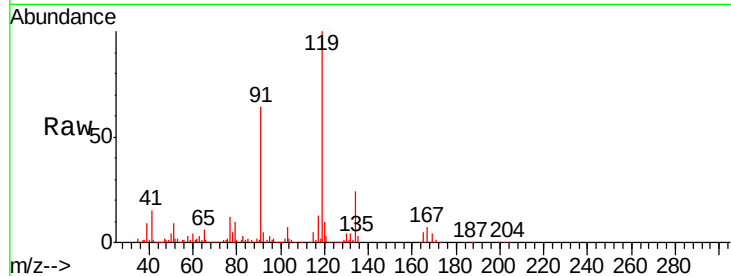
#83
 tert-Butylbenzene
 Concen: 20.10 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	202145		
91	57.9	28.2	84.6	
134	23.4	11.5	34.4	

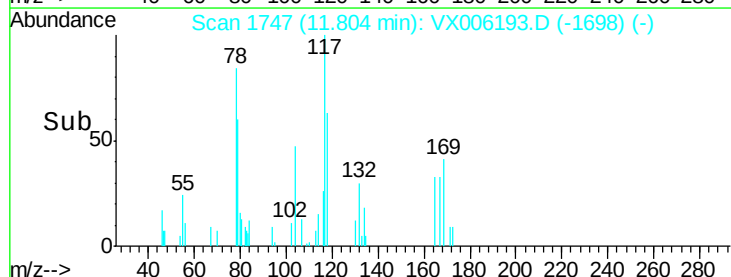
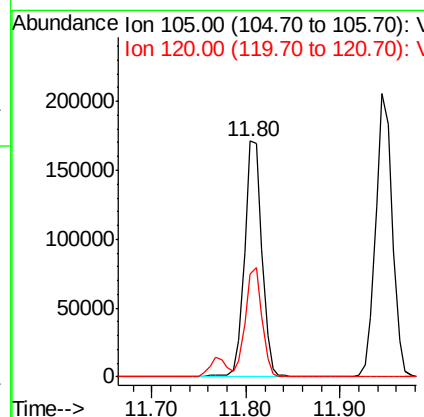
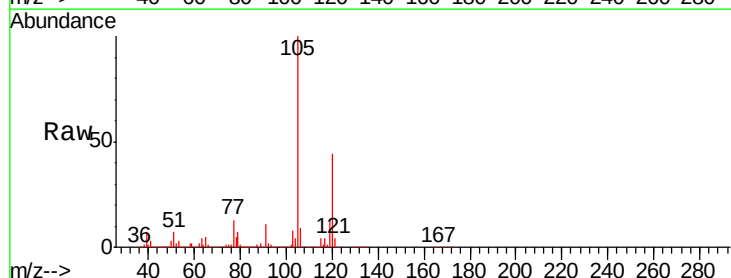
Manual Integrations
 APPROVED

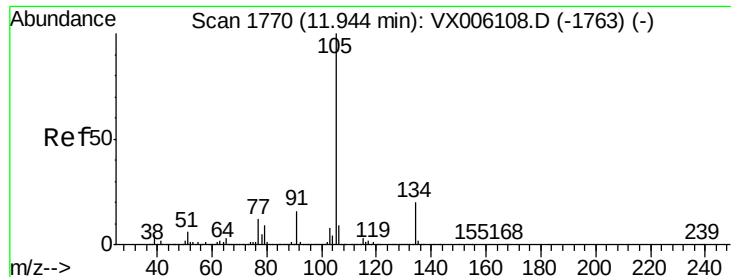
MMDadoda
 11/27/2018 11:43:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.85 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	219171		
120	44.0	22.7	68.0	





#85

sec-Butylbenzene

Concen: 20.52 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBSD02

Tgt Ion:105 Resp: 252514

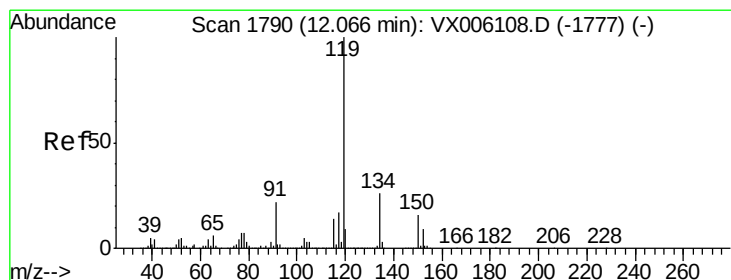
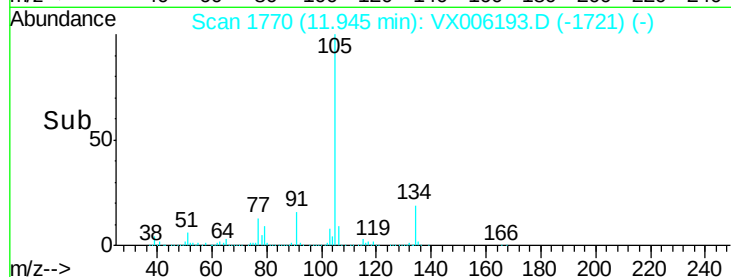
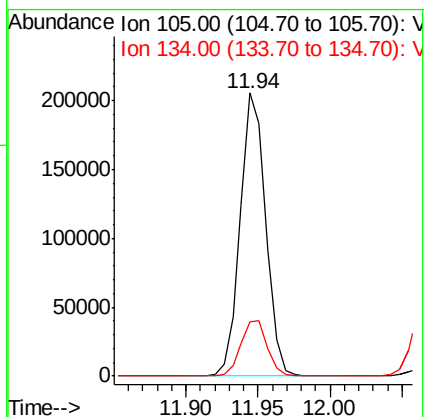
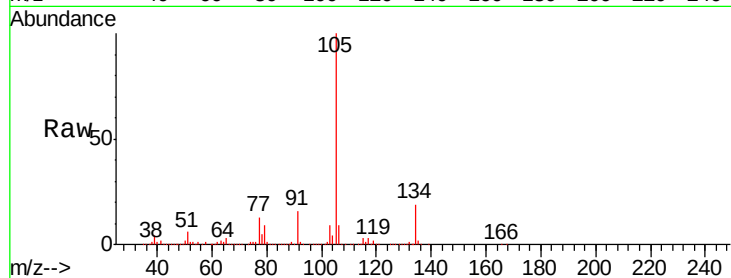
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#86

p-Isopropyltoluene

Concen: 20.35 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

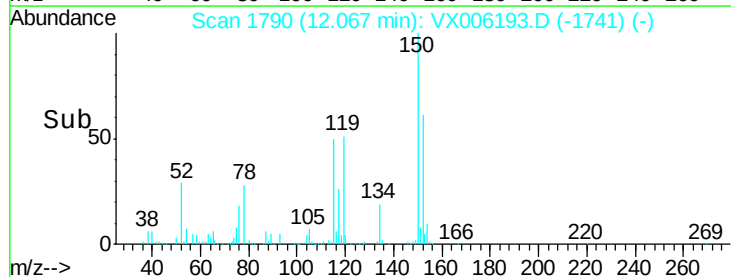
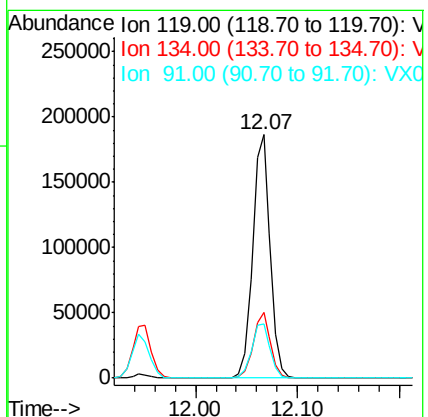
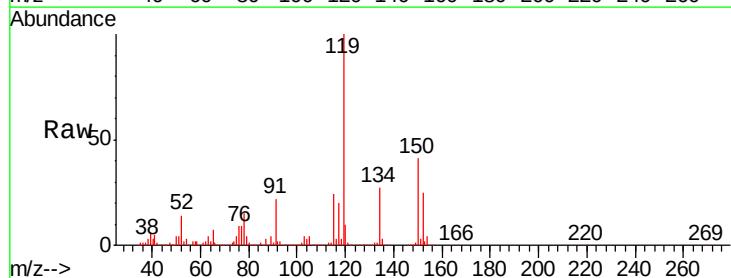
Tgt Ion:119 Resp: 223176

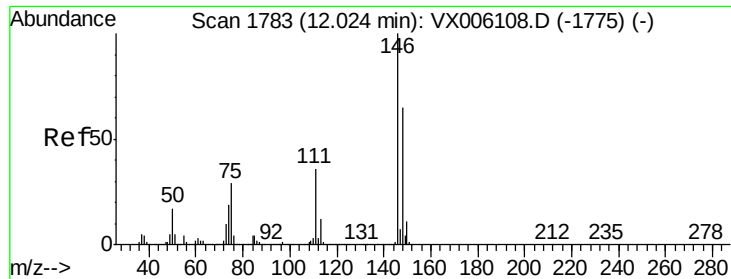
Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.3

91 23.5 11.3 33.9





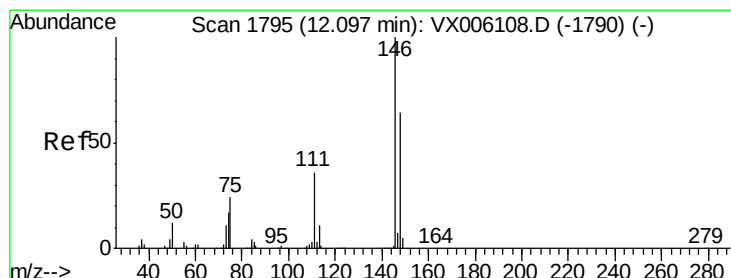
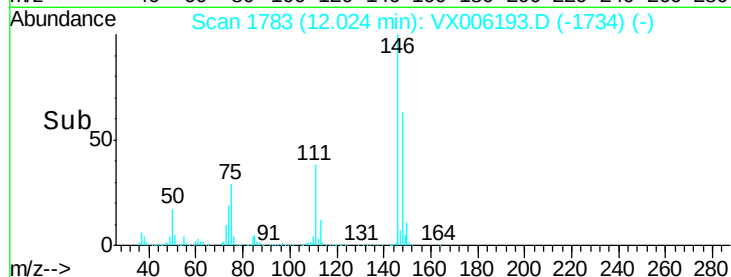
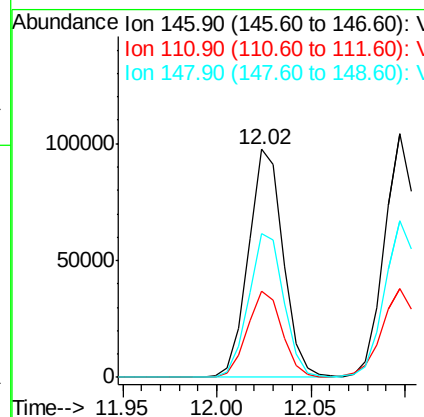
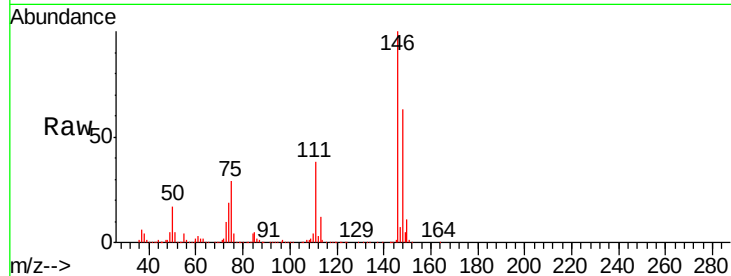
#87
 1,3-Dichlorobenzene
 Concen: 19.78 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.9	32.2	96.6

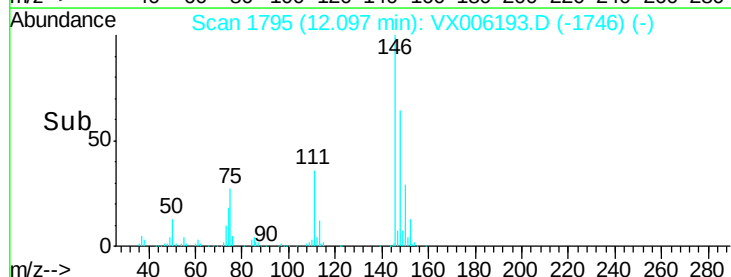
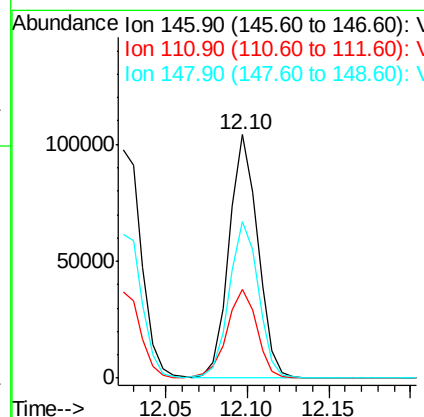
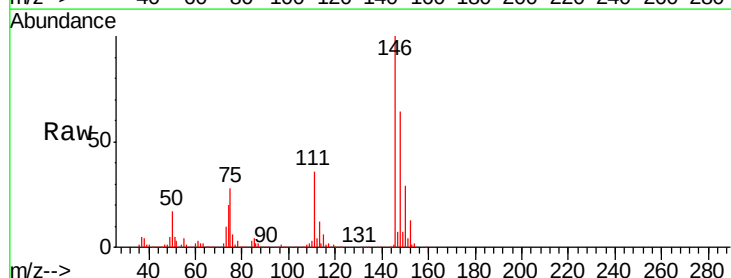
Manual Integrations
 APPROVED

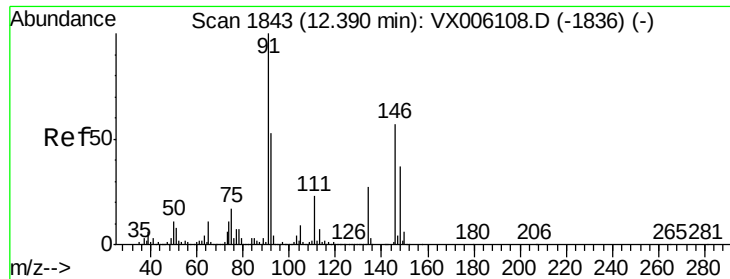
MMDadoda
 11/27/2018 11:43:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.47 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.3	54.9
148	65.5	32.2	96.6





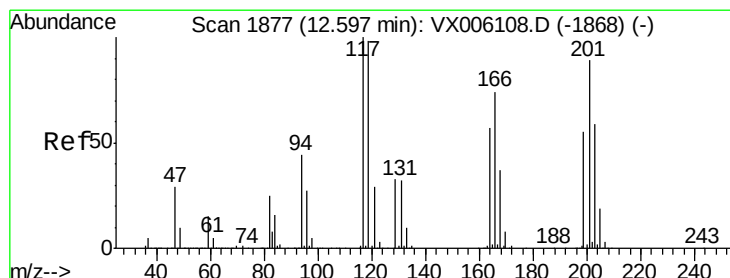
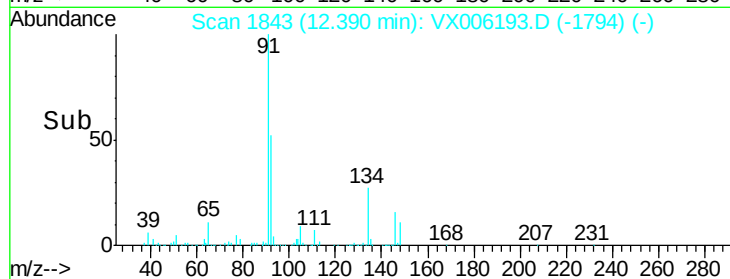
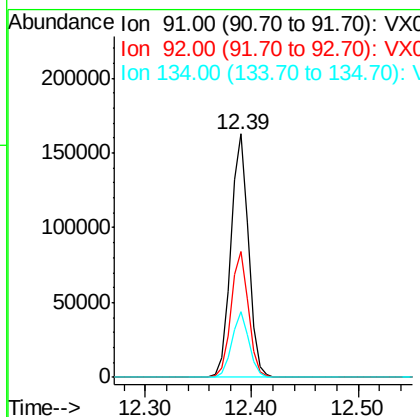
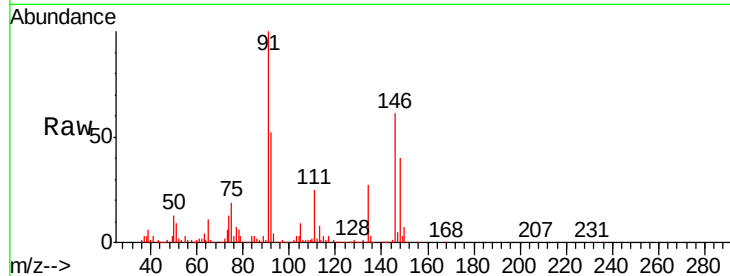
#89
n-Butylbenzene
Concen: 18.98 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.6	79.7
134	26.1	13.1	39.3

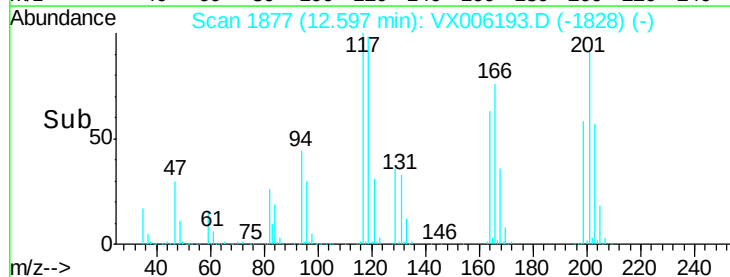
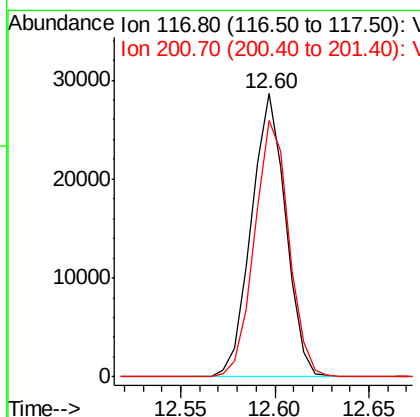
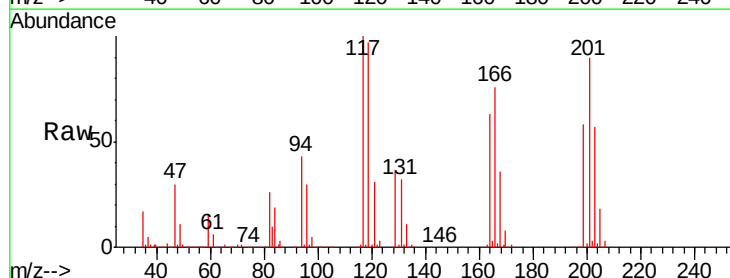
Manual Integrations
APPROVED

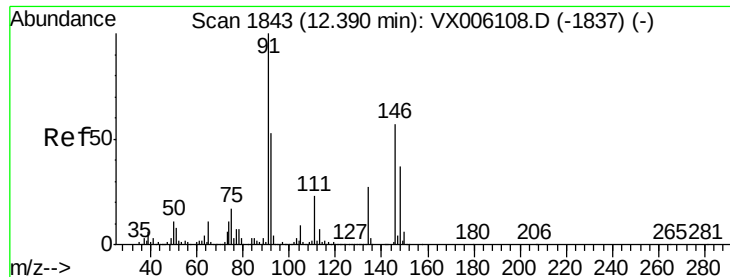
MMDadoda
11/27/2018 11:43:58 AM



#90
Hexachloroethane
Concen: 20.68 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006193.D
Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	46.1	138.2





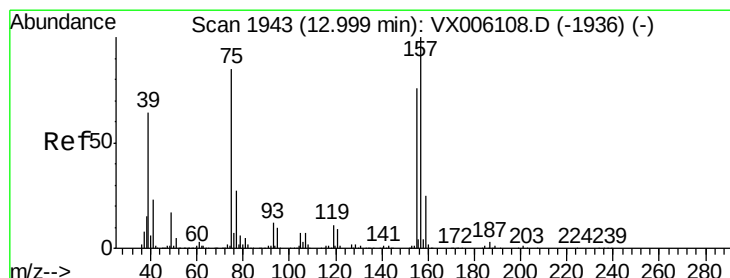
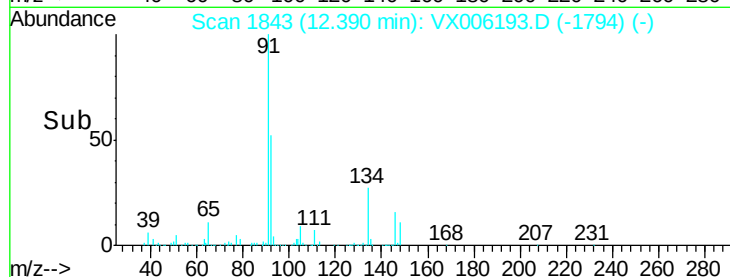
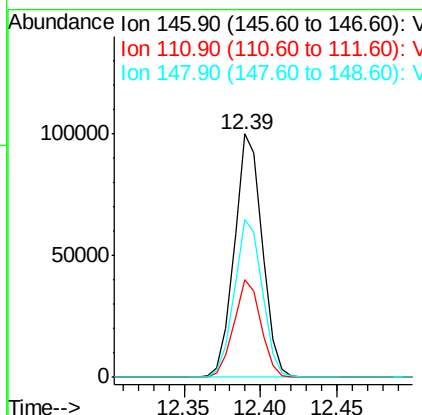
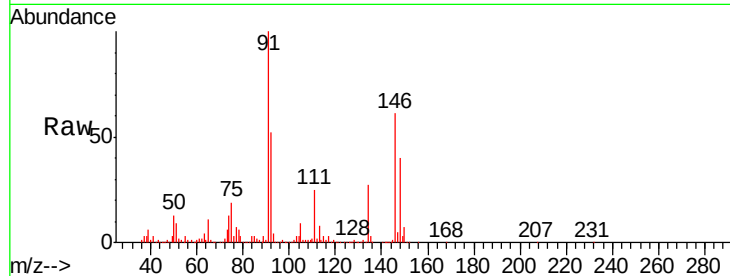
#91
 1,2-Dichlorobenzene
 Concen: 19.45 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	65.1	32.0	96.0

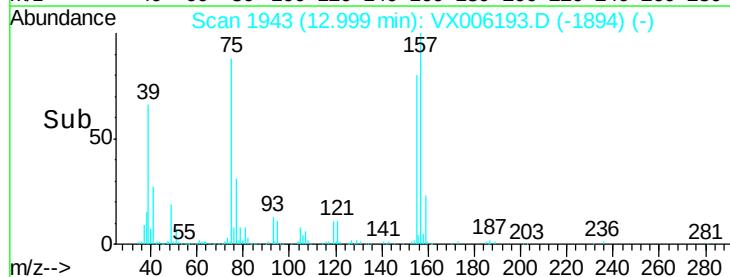
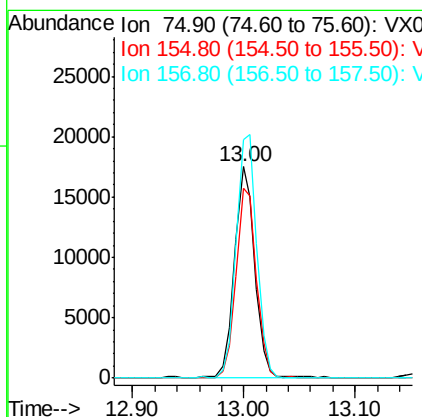
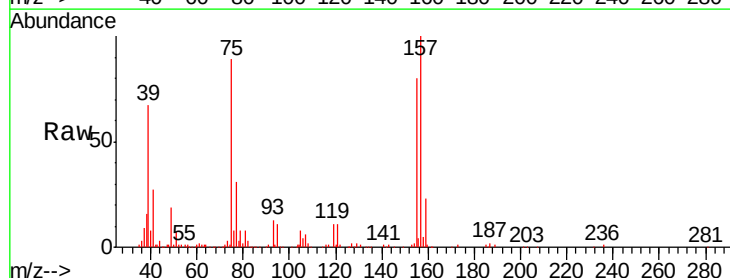
Manual Integrations
 APPROVED

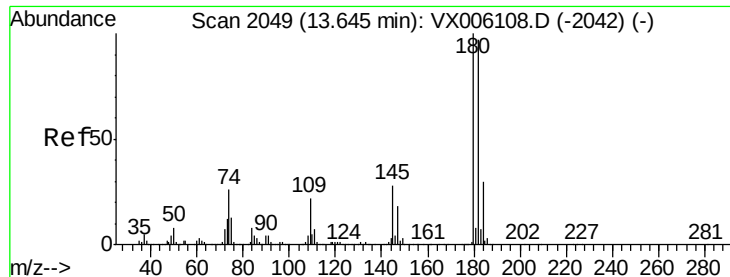
MMDadoda
 11/27/2018 11:43:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.78 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	46.1	138.3
157	116.3	59.8	179.3





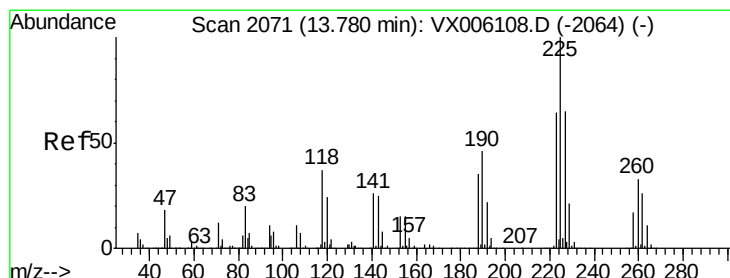
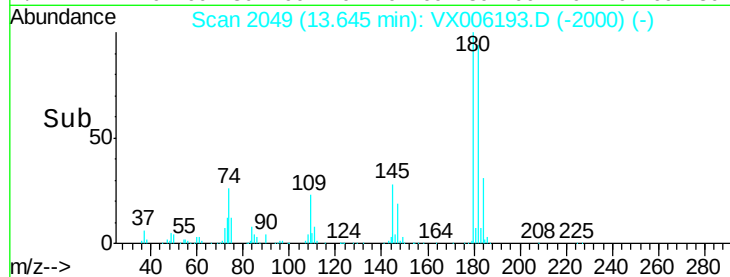
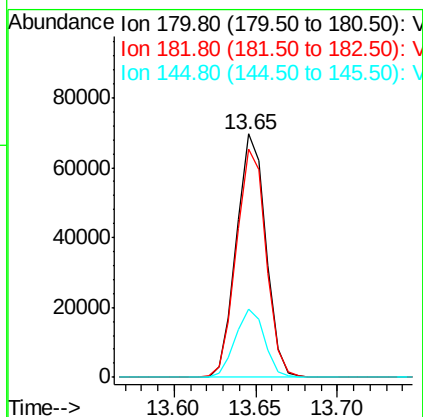
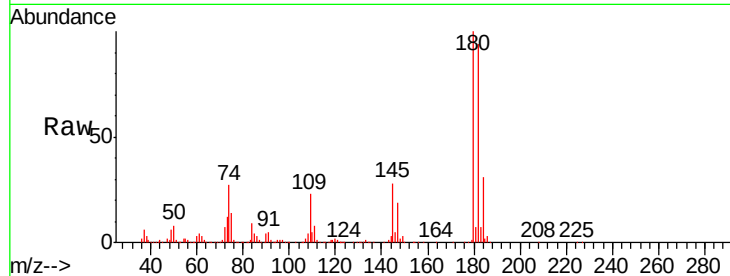
#93
 1,2,4-Trichlorobenzene
 Concen: 19.27 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	87593		
182	94.6	48.2	144.6	
145	27.8	14.1	42.2	

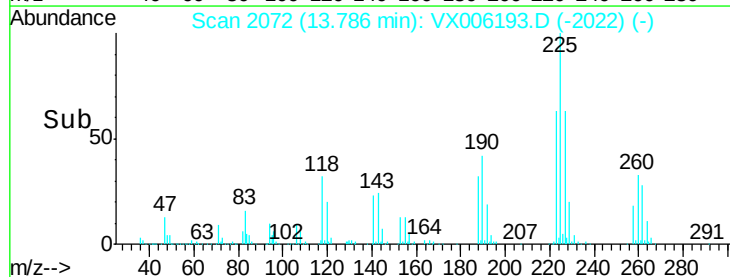
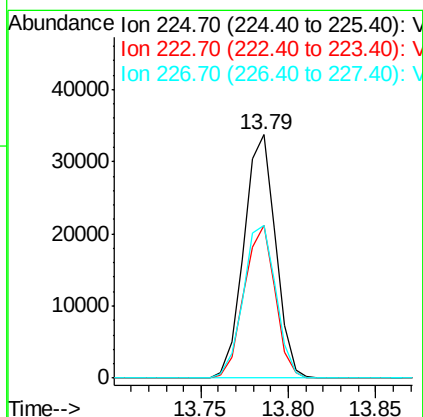
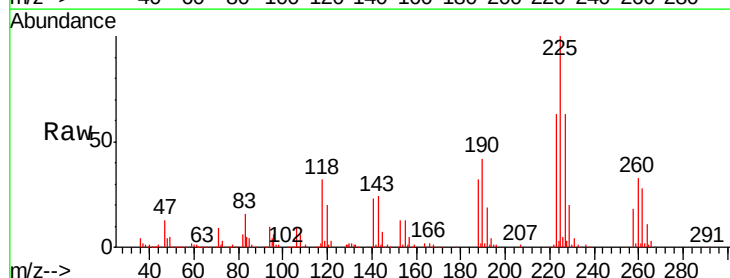
Manual Integrations
 APPROVED

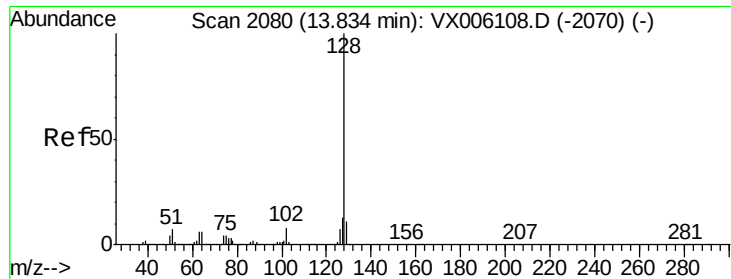
MMDadoda
 11/27/2018 11:43:58 AM



#94
 Hexachlorobutadiene
 Concen: 19.17 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006193.D
 Acq: 27 Nov 2018 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42480		
223	61.2	31.2	93.6	
227	64.6	32.4	97.2	





#95

Naphthalene

Concen: 20.53 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Instrument :

MSVOA_X

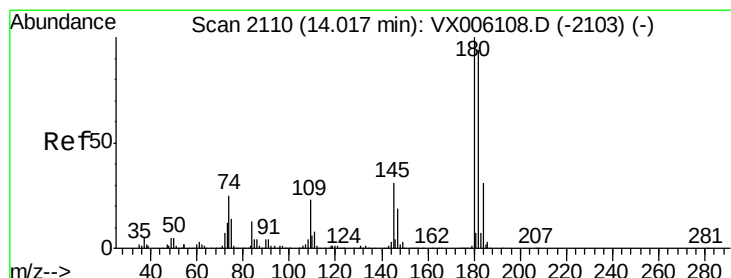
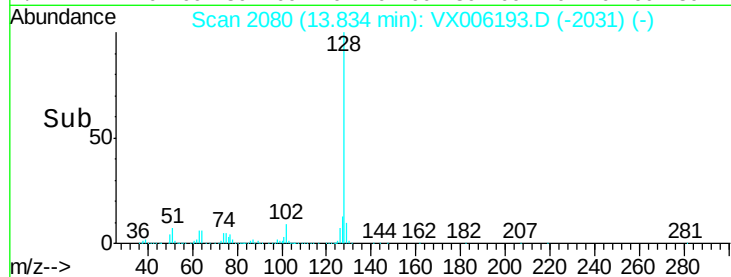
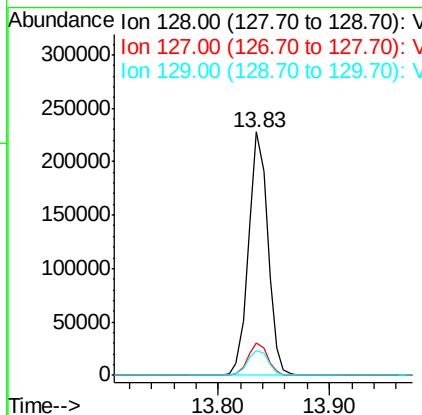
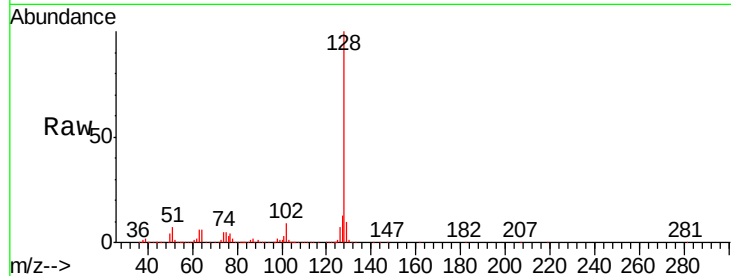
ClientSampleId :

VX1126WBSD02

Tgt Ion:	128	Resp:	274477
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.95 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX006193.D

Acq: 27 Nov 2018 00:04

Tgt Ion:	180	Resp:	92465
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.5	142.5
145	29.8	15.0	45.0

