

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102418\
 Data File : VX005534.D
 Acq On : 24 Oct 2018 11:32
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:06 AM

Quant Time: Oct 25 02:05:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 01:45:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	219055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	325115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164225	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	53347	19.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.90%	
35) Dibromofluoromethane	5.50	113	42048	19.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.20%	
50) Toluene-d8	8.71	98	155168	19.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.24%	
62) 4-Bromofluorobenzene	11.14	95	56213	18.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	47770	22.093	ug/l	98
3) Chloromethane	1.32	50	55426	20.129	ug/l	99
4) Vinyl Chloride	1.40	62	54834	20.253	ug/l	98
5) Bromomethane	1.64	94	31392	18.633	ug/l	100
6) Chloroethane	1.71	64	32966	19.060	ug/l	99
7) Trichlorofluoromethane	1.92	101	76498	20.334	ug/l	98
8) Diethyl Ether	2.19	74	28959	19.288	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41936	19.428	ug/l	98
10) Methyl Iodide	2.51	142	36327	17.811	ug/l	98
11) Tert butyl alcohol	3.07	59	70453	97.911	ug/l	99
12) 1,1-Dichloroethene	2.37	96	39422	19.172	ug/l	95
13) Acrolein	2.29	56	35737	97.362	ug/l	99
14) Allyl chloride	2.73	41	89078	19.410	ug/l	99
15) Acrylonitrile	3.15	53	150408	93.217	ug/l	99
16) Acetone	2.45	43	135986	96.241	ug/l	93
17) Carbon Disulfide	2.57	76	122600	19.559	ug/l	99
18) Methyl Acetate	2.78	43	71772	18.132	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	143086	19.507	ug/l	99
20) Methylene Chloride	2.85	84	45632	19.283	ug/l #	85
21) trans-1,2-Dichloroethene	3.16	96	42222	18.806	ug/l	97
22) Diisopropyl ether	3.86	45	146844	18.323	ug/l #	77
23) Vinyl Acetate	3.82	43	661000	93.652	ug/l	100
24) 1,1-Dichloroethane	3.69	63	82195	18.865	ug/l	99
25) 2-Butanone	4.70	43	213394	99.176	ug/l	97
26) 2,2-Dichloropropane	4.58	77	64109	19.058	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	46972	19.407	ug/l	98
28) Bromochloromethane	5.02	49	41836	19.852	ug/l	98
29) Tetrahydrofuran	5.16	42	134758	96.238	ug/l	99
30) Chloroform	5.21	83	80178	19.673	ug/l	98
31) Cyclohexane	5.57	56	72591	20.136	ug/l #	83
32) 1,1,1-Trichloroethane	5.50	97	69232	19.246	ug/l	99
36) 1,1-Dichloropropene	5.80	75	59609	18.893	ug/l	98
37) Ethyl Acetate	4.85	43	74493	18.502	ug/l	98
38) Carbon Tetrachloride	5.79	117	62165	18.707	ug/l	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102418\
 Data File : VX005534.D
 Acq On : 24 Oct 2018 11:32
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:06 AM

Quant Time: Oct 25 02:05:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 01:45:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65820	18.892	ug/l	96
40) Benzene	6.14	78	173226	19.153	ug/l	96
41) Methacrylonitrile	5.06	41	41348	18.437	ug/l	98
42) 1,2-Dichloroethane	6.20	62	66575	19.376	ug/l	99
43) Isopropyl Acetate	6.47	43	111260	18.441	ug/l	99
44) Trichloroethene	7.21	130	46890	19.031	ug/l	99
45) 1,2-Dichloropropane	7.52	63	45884	18.870	ug/l	98
46) Dibromomethane	7.66	93	29598	18.846	ug/l	99
47) Bromodichloromethane	7.90	83	57143	18.747	ug/l	98
48) Methyl methacrylate	7.77	41	54648	18.593	ug/l	98
49) 1,4-Dioxane	7.75	88	23888	371.908	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	386285	95.268	ug/l	99
52) Toluene	8.79	92	107050	19.475	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	62309	18.914	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	69060	19.471	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	44230	19.085	ug/l	97
56) Ethyl methacrylate	9.18	69	63865	18.476	ug/l	99
57) 1,3-Dichloropropane	9.37	76	74058	18.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	190048	98.440	ug/l	100
59) 2-Hexanone	9.49	43	304702	95.310	ug/l	100
60) Dibromochloromethane	9.59	129	45649	18.880	ug/l	99
61) 1,2-Dibromoethane	9.67	107	46024	19.196	ug/l	99
64) Tetrachloroethene	9.34	164	48161	19.982	ug/l	96
65) Chlorobenzene	10.14	112	120530	19.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	42897	19.029	ug/l	97
67) Ethyl Benzene	10.25	91	197208	19.387	ug/l	99
68) m/p-Xylenes	10.36	106	157831	39.993	ug/l	100
69) o-Xylene	10.70	106	74656	20.107	ug/l	100
70) Styrene	10.71	104	125259	20.153	ug/l	99
71) Bromoform	10.86	173	37285	18.535	ug/l #	99
73) Isopropylbenzene	11.02	105	204708	20.392	ug/l	99
74) N-amyl acetate	10.90	43	95981	19.296	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	71583	19.328	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	67268m	19.989	ug/l	
77) Bromobenzene	11.26	156	54732	19.563	ug/l	99
78) n-propylbenzene	11.36	91	233670	20.356	ug/l	100
79) 2-Chlorotoluene	11.42	91	142219	19.982	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	175693	20.459	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19996	18.778	ug/l	97
82) 4-Chlorotoluene	11.51	91	167815	19.996	ug/l	100
83) tert-Butylbenzene	11.77	119	167499	19.567	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	181382	20.840	ug/l	99
85) sec-Butylbenzene	11.94	105	206329	20.200	ug/l	100
86) p-Isopropyltoluene	12.07	119	184829	20.242	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	102564	19.495	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	104564	19.002	ug/l	100
89) n-Butylbenzene	12.39	91	161025	19.534	ug/l	99
90) Hexachloroethane	12.60	117	29889	18.979	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	103845	19.510	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16701	18.650	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102418\
Data File : VX005534.D
Acq On : 24 Oct 2018 11:32
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 AM

Quant Time: Oct 25 02:05:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 01:45:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	74703	19.361	ug/l	100
94) Hexachlorobutadiene	13.79	225	38340	19.174	ug/l	99
95) Naphthalene	13.83	128	225956	20.146	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	77594	19.839	ug/l	99

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

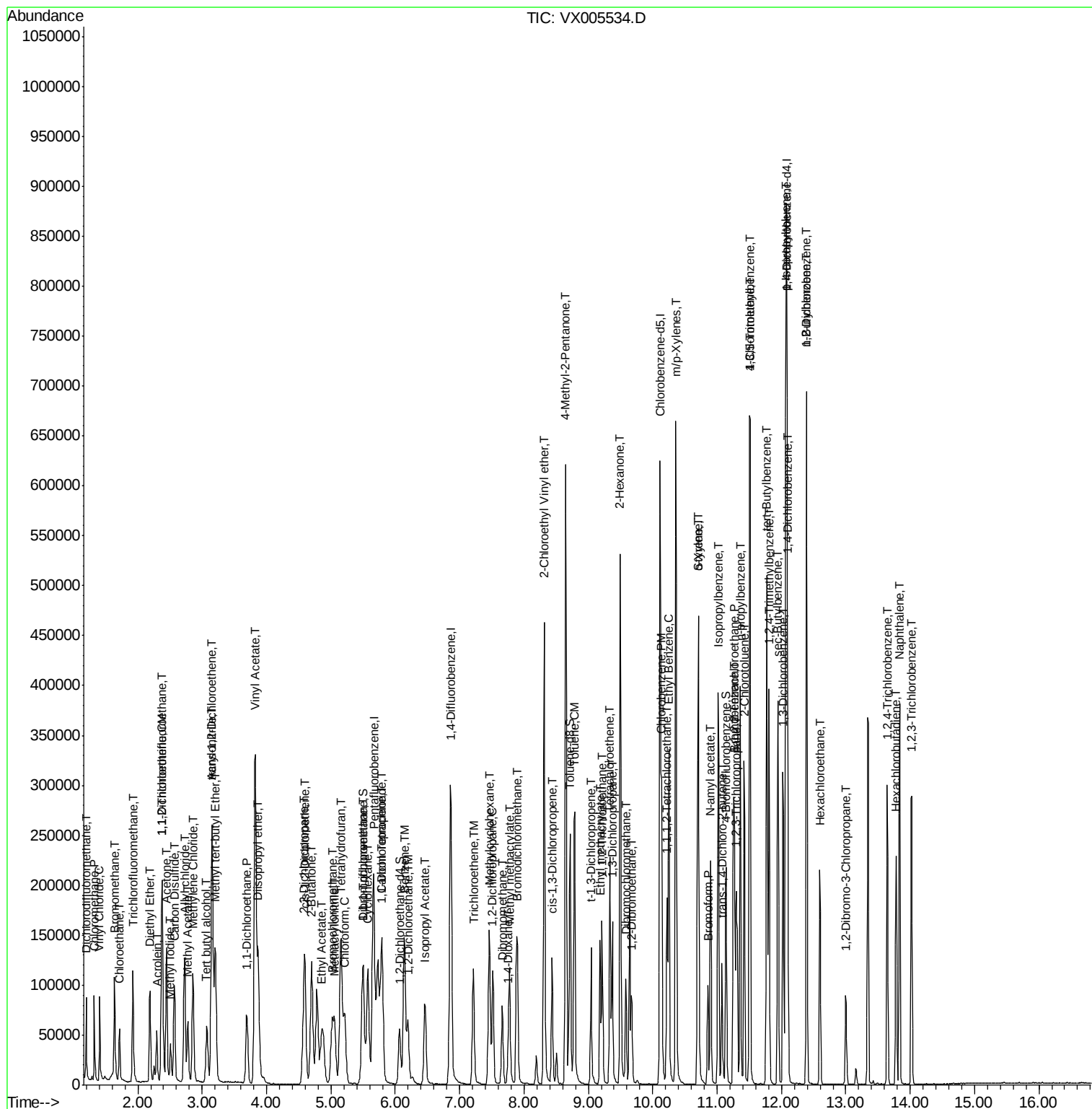
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102418\
Data File : VX005534.D
Acq On : 24 Oct 2018 11:32
Operator : JC/MD
Sample : VSTDIC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

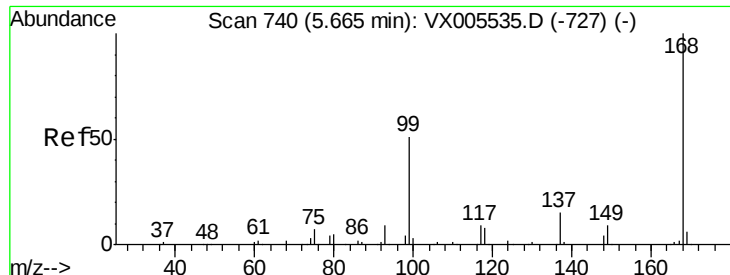
Instrument :
MSVOA_X
Client Sample Id :
VSTDIC020

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 AM

Quant Time: Oct 25 02:05:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 01:45:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 219055

Ion Ratio Lower Upper

168 100

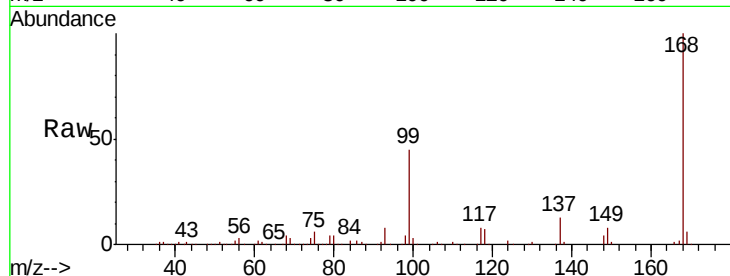
99 44.4 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

10/26/2018 11:53:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

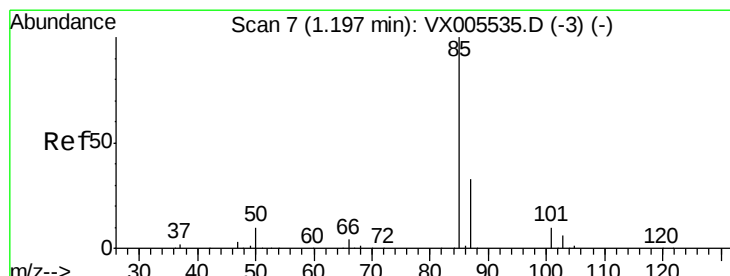
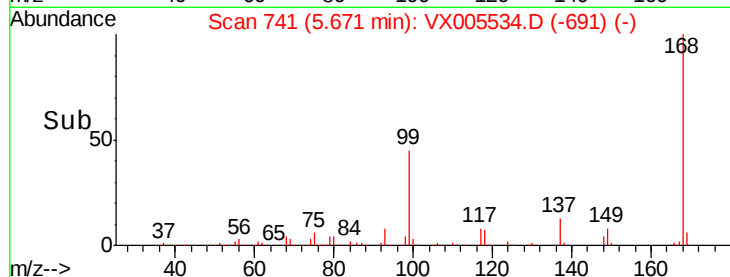
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 22.093 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005534.D

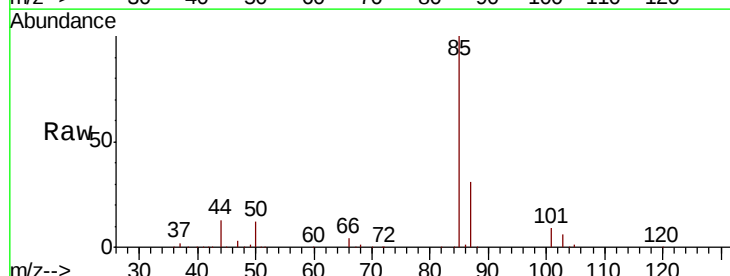
Acq: 24 Oct 2018 11:32

Tgt Ion: 85 Resp: 47770

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

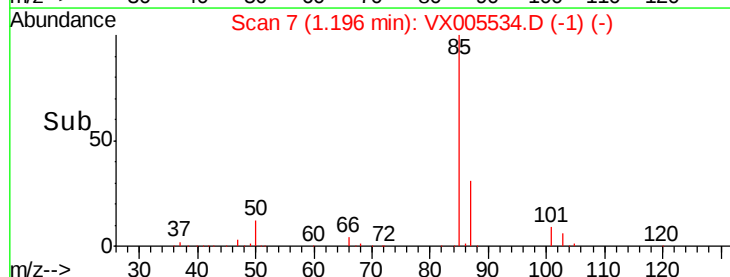
20000

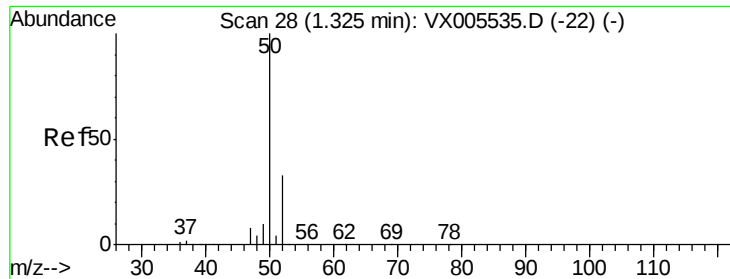
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.129 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 55426

Ion Ratio Lower Upper

50 100

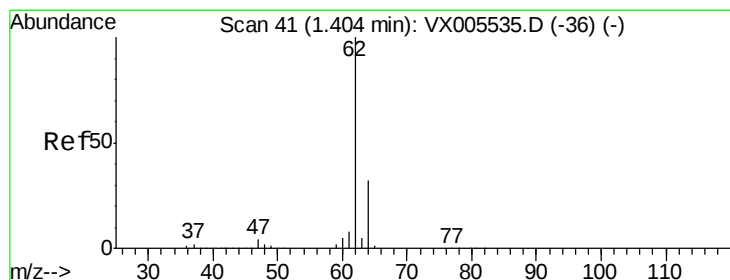
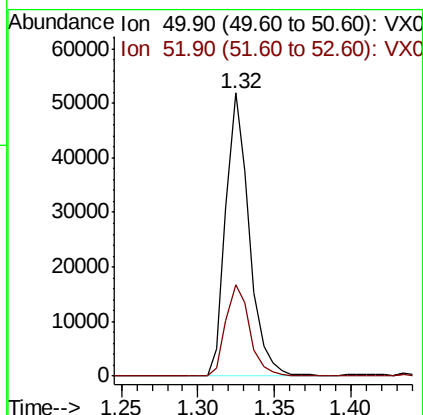
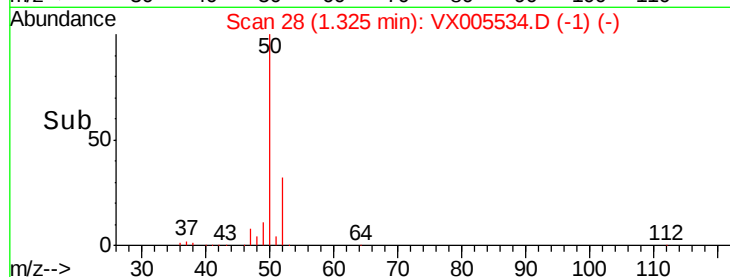
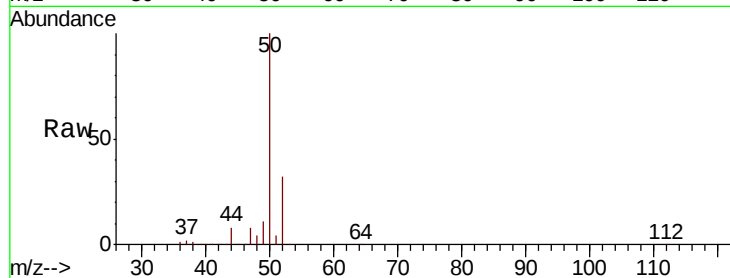
52 32.3 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/26/2018 11:53:06 AM



#4

Vinyl Chloride

Concen: 20.253 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005534.D

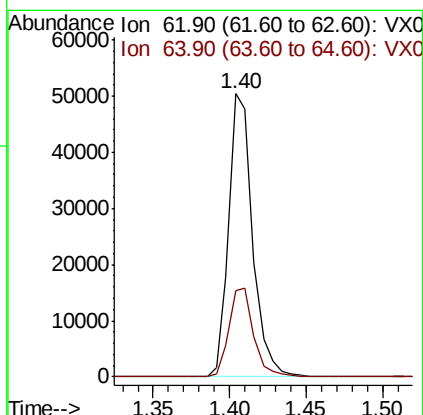
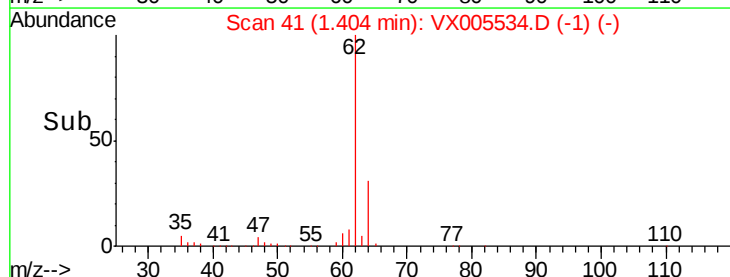
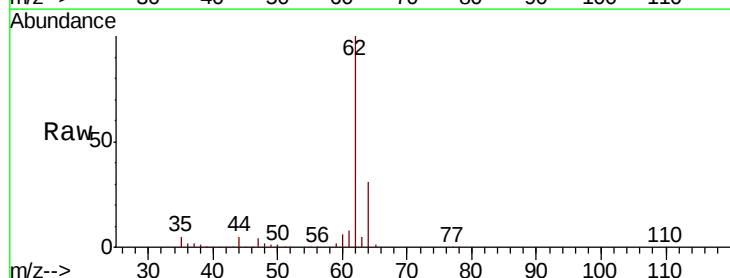
Acq: 24 Oct 2018 11:32

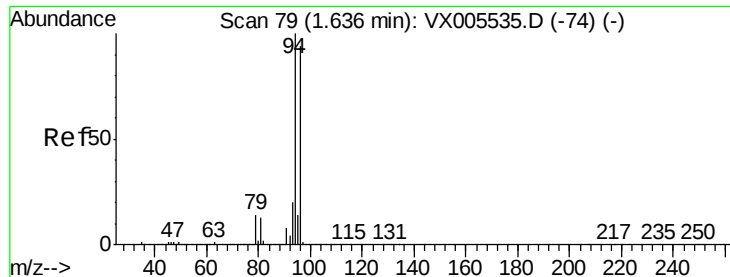
Tgt Ion: 62 Resp: 54834

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 18.633 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 31392

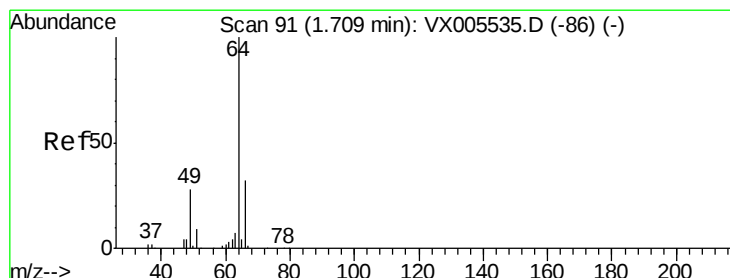
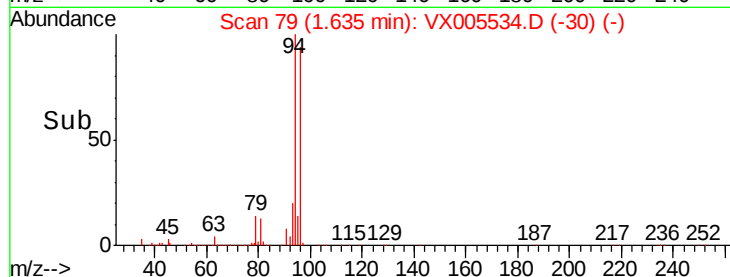
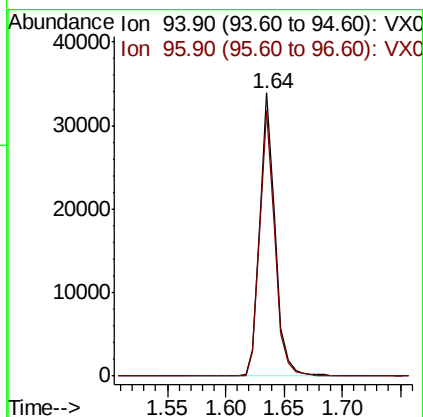
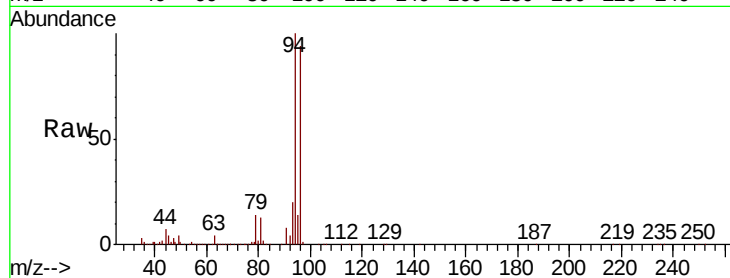
Ion Ratio Lower Upper

94 100

96 93.8 75.2 112.8

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 AM



#6

Chloroethane

Concen: 19.060 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005534.D

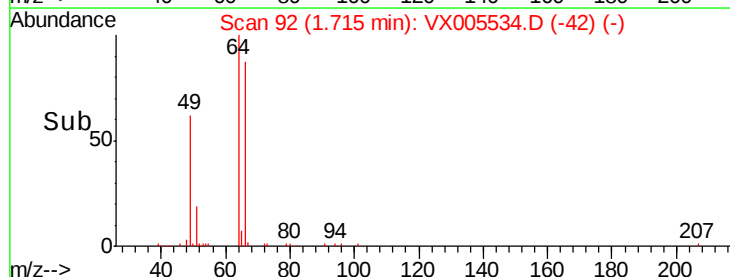
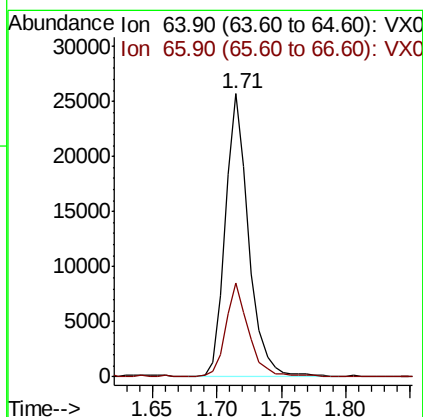
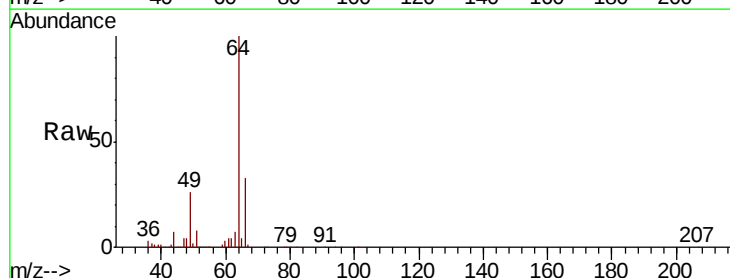
Acq: 24 Oct 2018 11:32

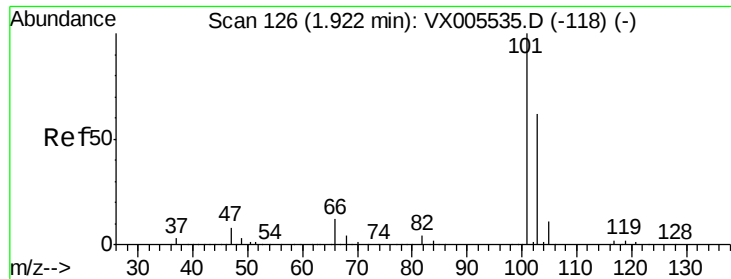
Tgt Ion: 64 Resp: 32966

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.6





#7

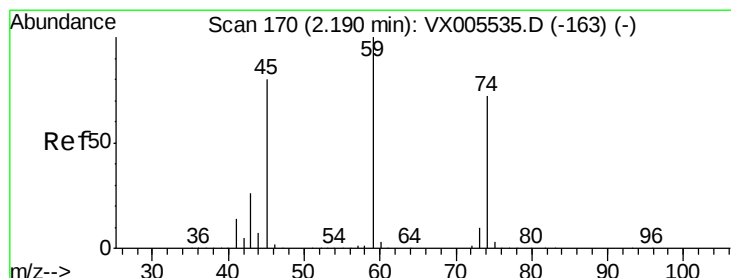
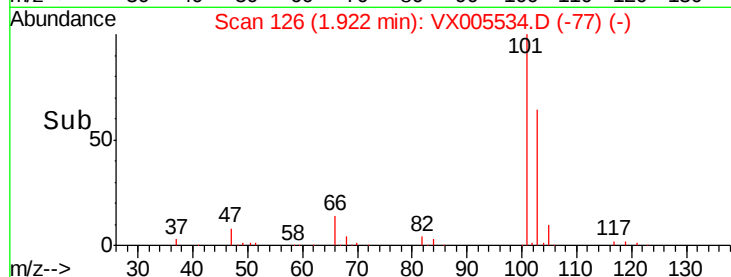
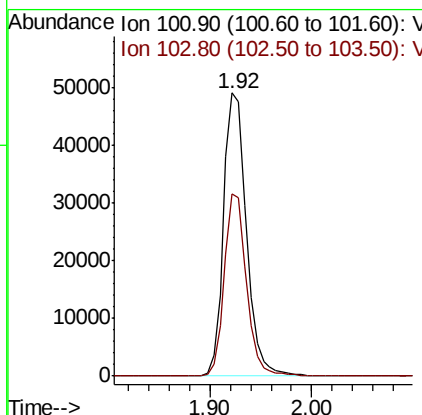
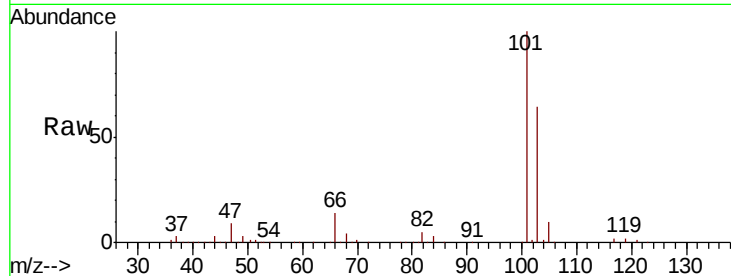
Trichlorofluoromethane
Concen: 20.334 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 76498
Ion Ratio Lower Upper
101 100
103 64.2 50.0 75.0

Manual Integrations
APPROVED

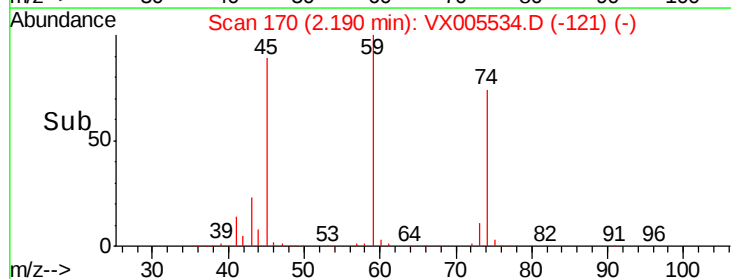
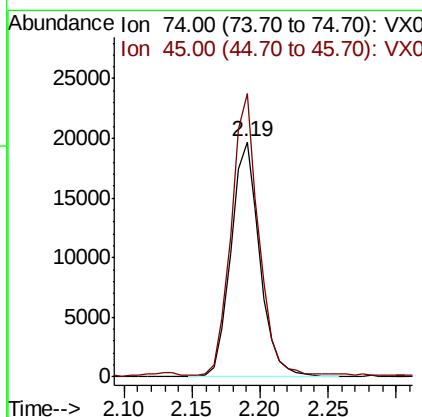
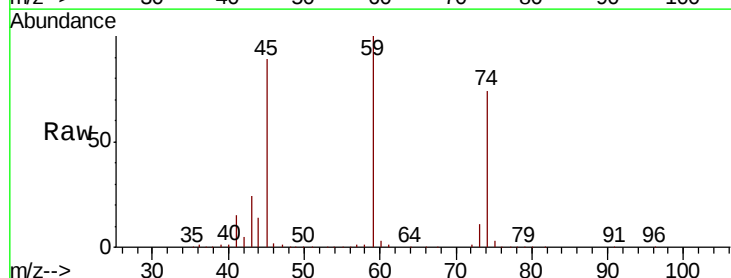
MMDadoda
10/26/2018 11:53:06 AM



#8

Diethyl Ether
Concen: 19.288 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion: 74 Resp: 28959
Ion Ratio Lower Upper
74 100
45 113.0 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.428 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

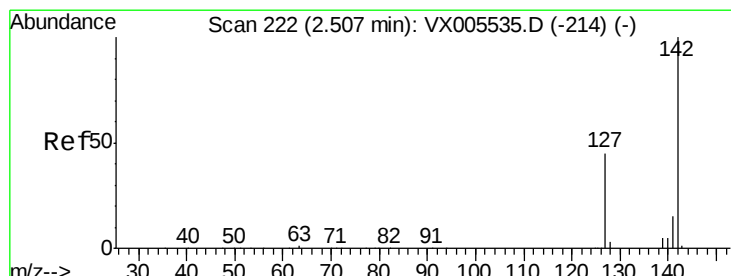
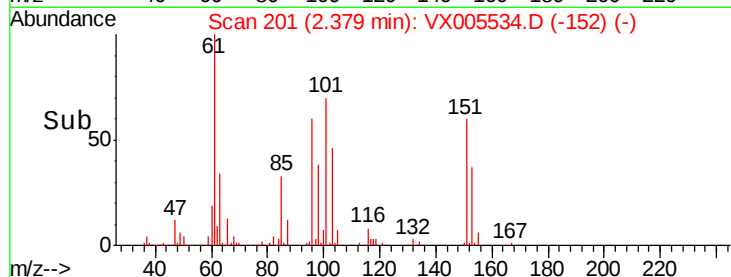
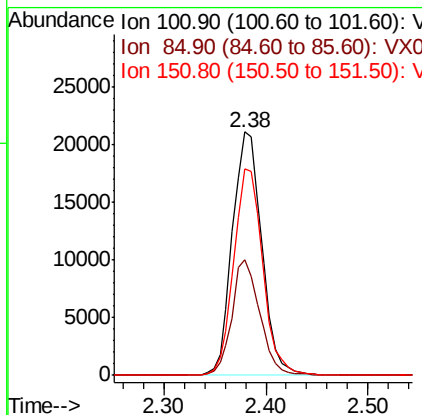
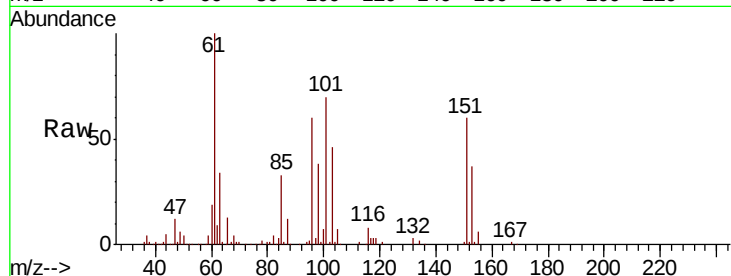
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	41936
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.0	52.4
151	83.8	66.2	99.2

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 AM



#10

Methyl Iodide

Concen: 17.811 ug/l

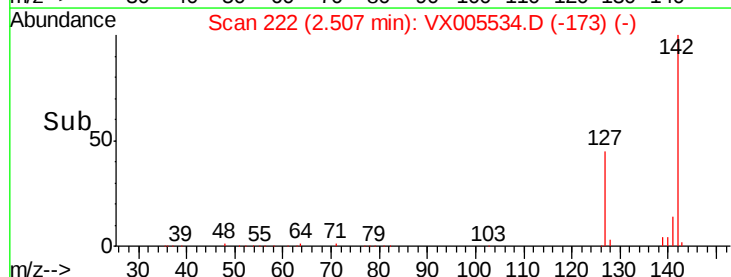
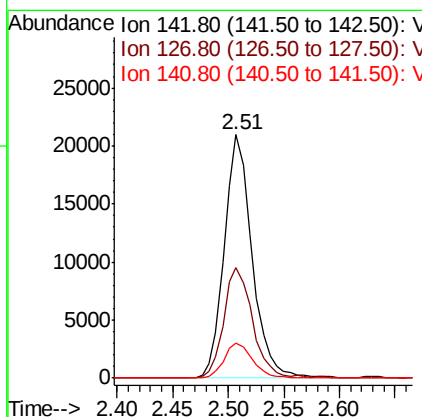
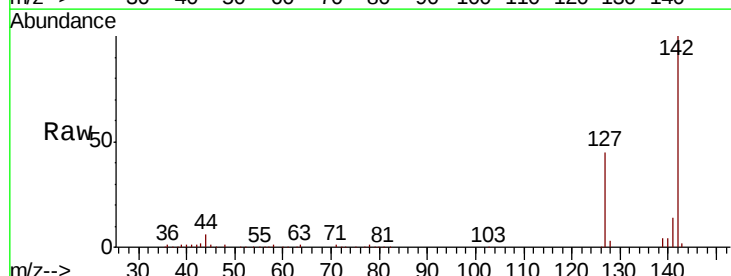
RT: 2.51 min Scan# 222

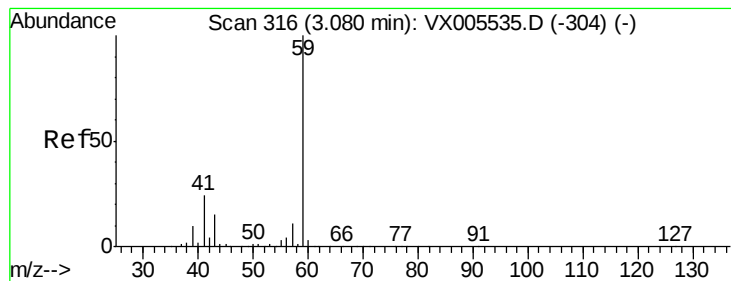
Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Tgt Ion:	142	Resp:	36327
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.0	54.0
141	14.7	11.7	17.5





#11

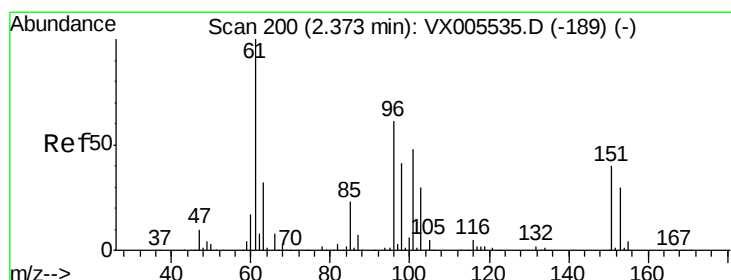
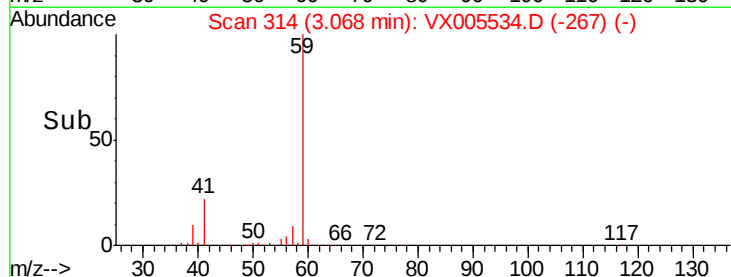
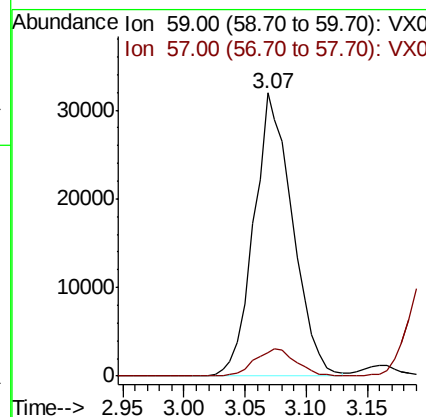
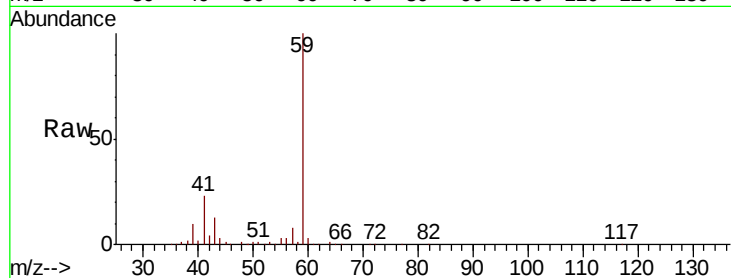
Tert butyl alcohol
Concen: 97.911 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 70453
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

Manual Integrations
APPROVED

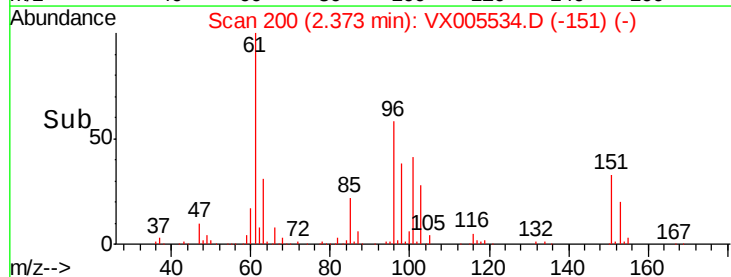
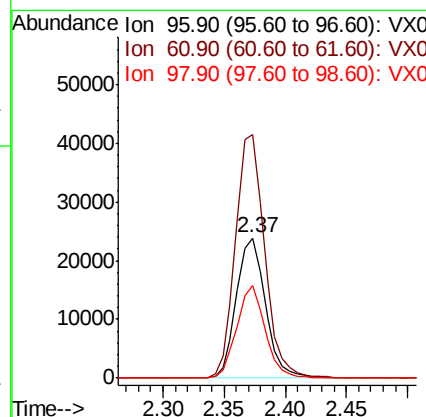
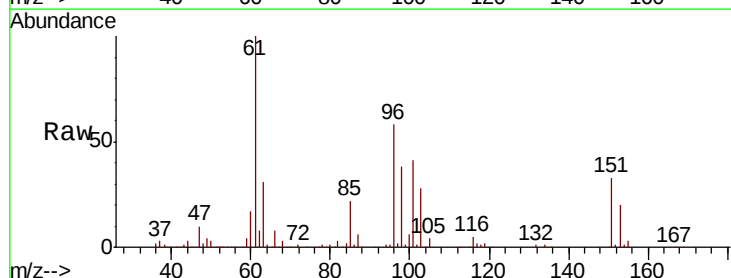
MMDadoda
10/26/2018 11:53:06 AM

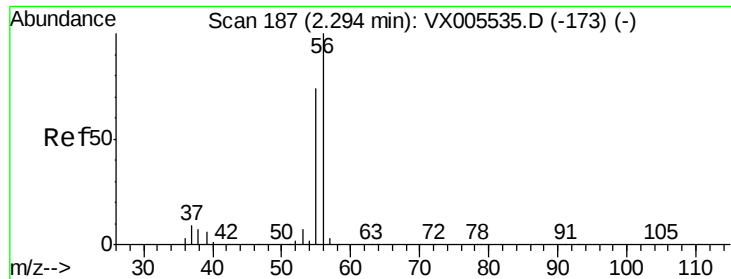


#12

1,1-Dichloroethene
Concen: 19.172 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion: 96 Resp: 39422
Ion Ratio Lower Upper
96 100
61 173.8 131.8 197.8
98 66.0 53.4 80.2





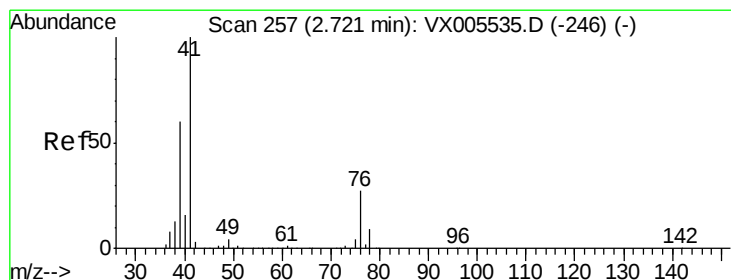
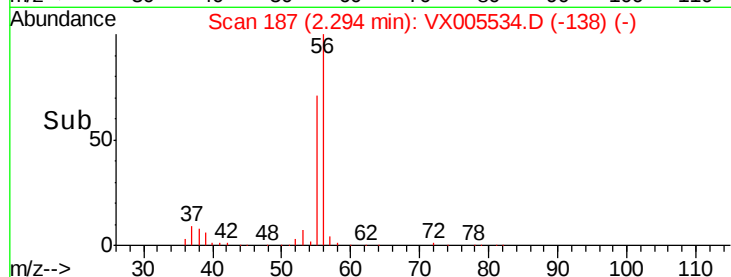
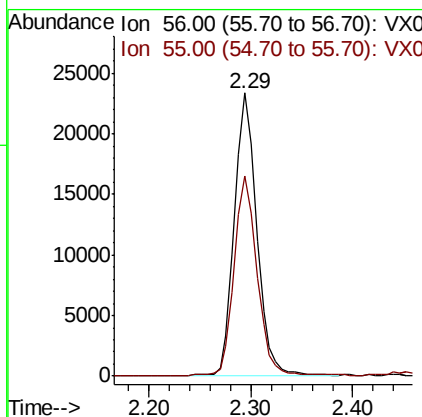
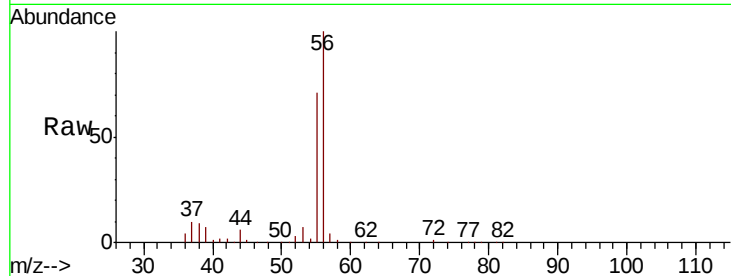
#13
Acrolein
Concen: 97.362 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.2	57.3	85.9	

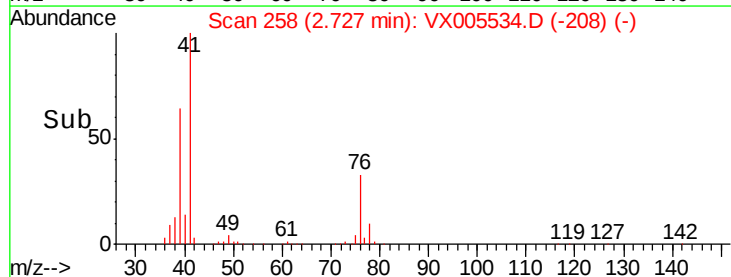
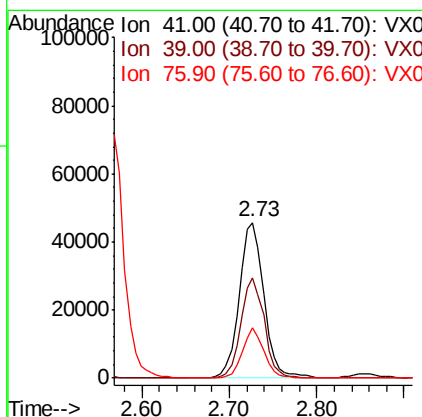
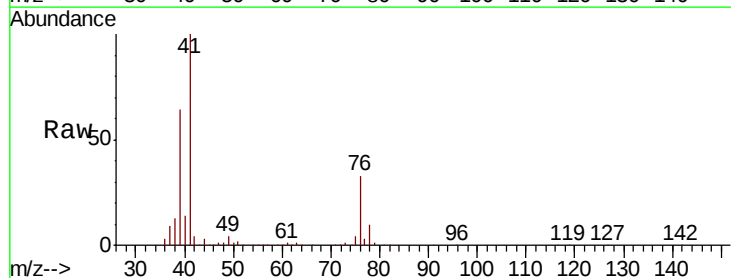
Manual Integrations
APPROVED

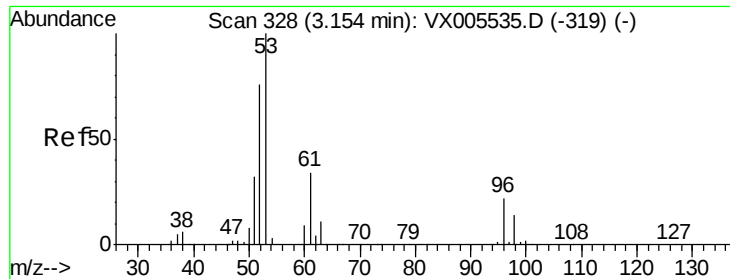
MMDadoda
10/26/2018 11:53:06 AM



#14
Allyl chloride
Concen: 19.410 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.7	48.2	72.4	
76	28.4	21.9	32.9	





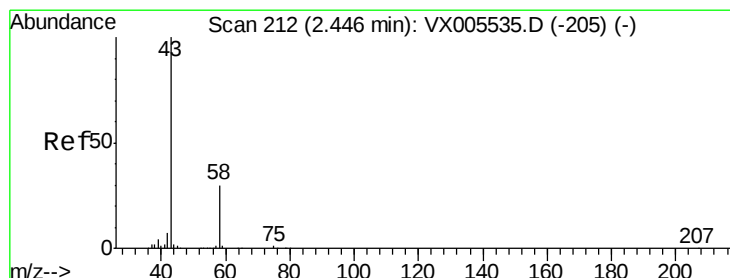
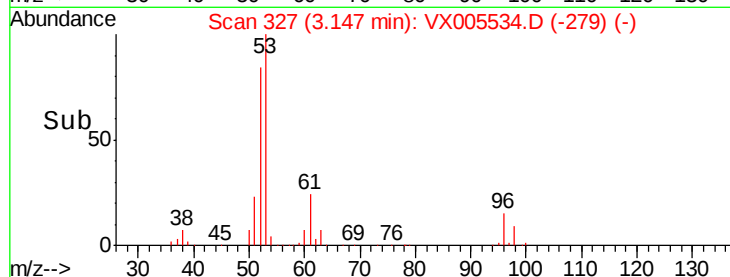
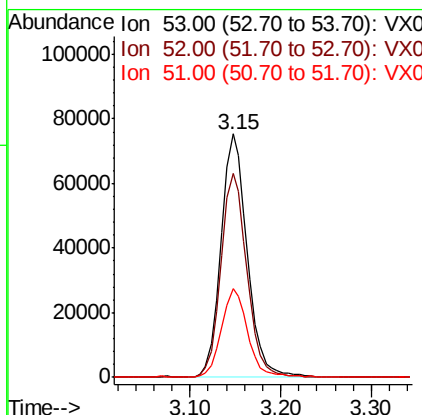
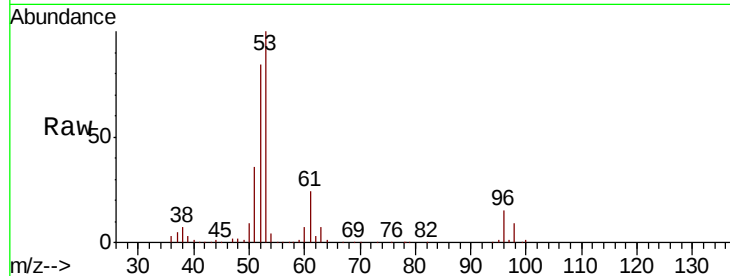
#15
Acrylonitrile
Concen: 93.217 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	99.8
51	36.8	28.4	42.6

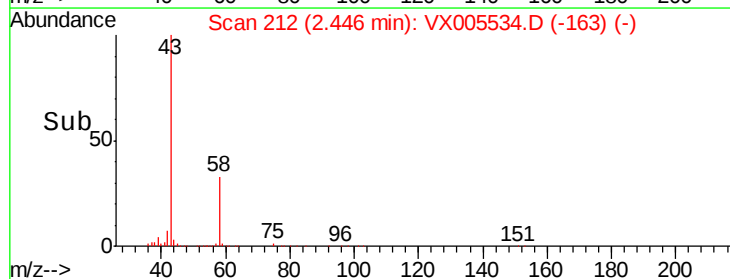
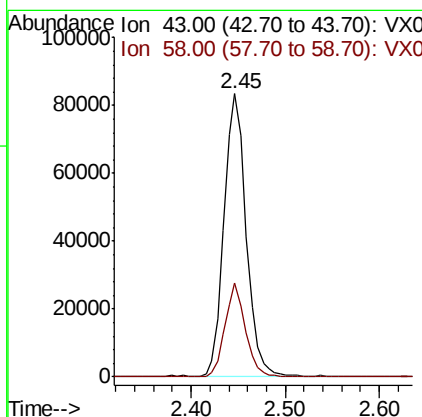
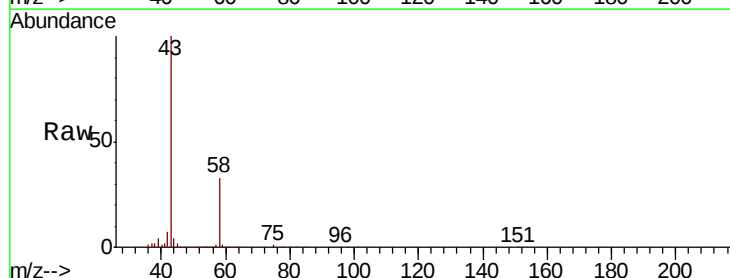
Manual Integrations
APPROVED

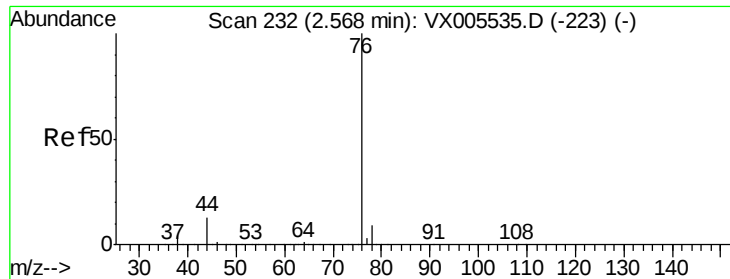
MMDadoda
10/26/2018 11:53:06 AM



#16
Acetone
Concen: 96.241 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.4	23.8	35.6





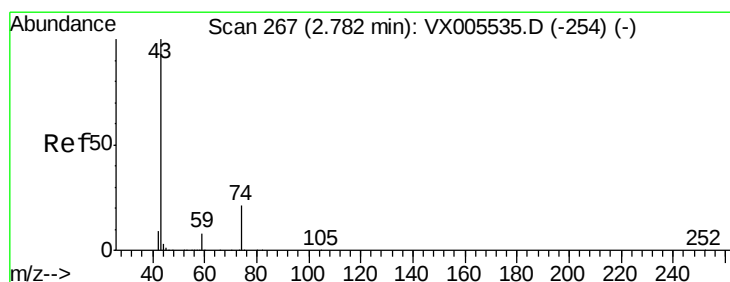
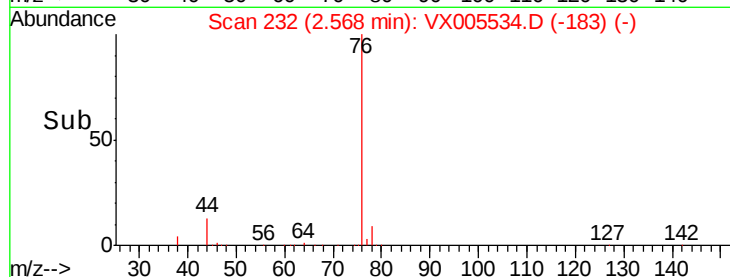
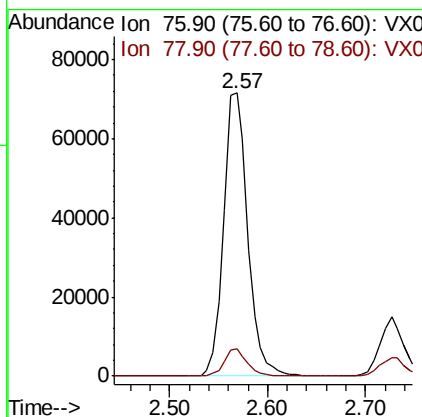
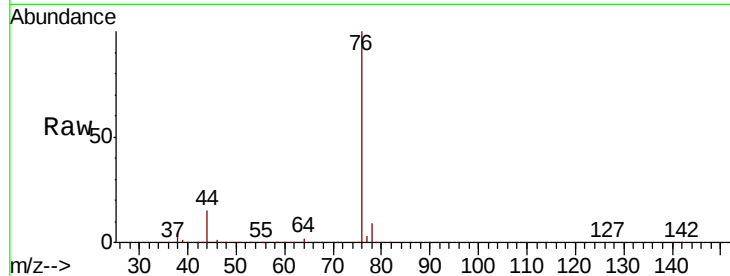
#17
Carbon Disulfide
Concen: 19.559 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

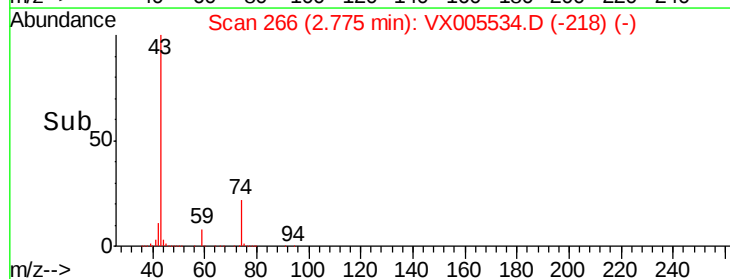
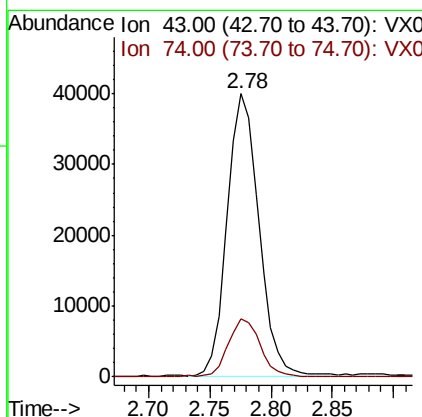
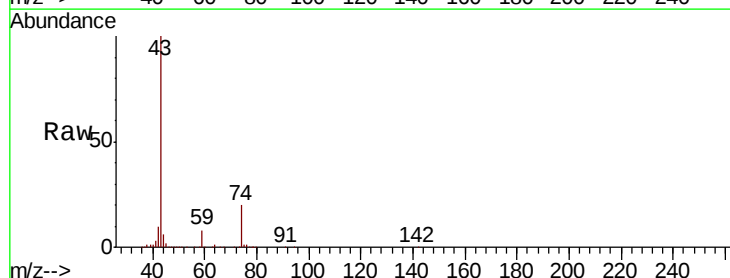
Manual Integrations
APPROVED

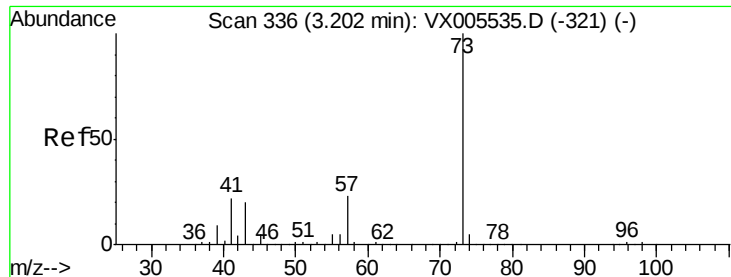
MMDadoda
10/26/2018 11:53:06 AM



#18
Methyl Acetate
Concen: 18.132 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.8	25.2





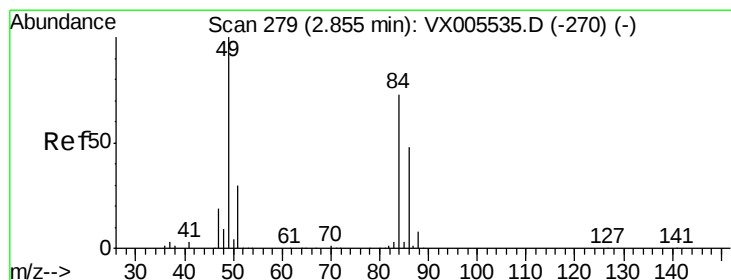
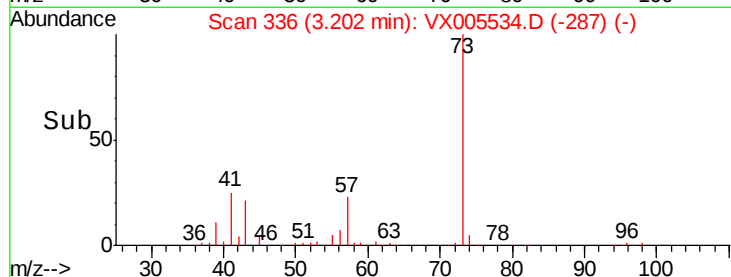
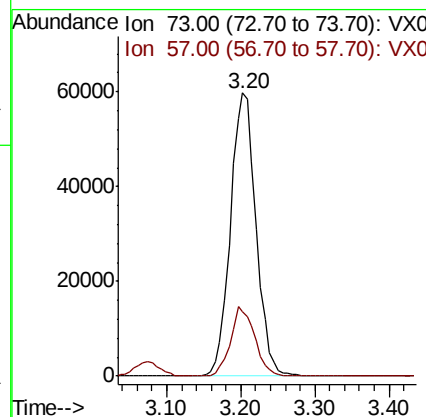
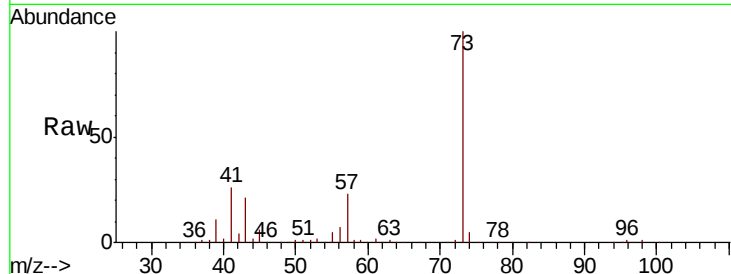
#19
Methvl tert-butvl Ether
Concen: 19.507 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.8	28.2

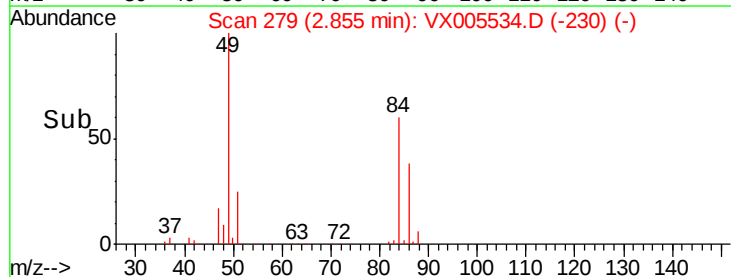
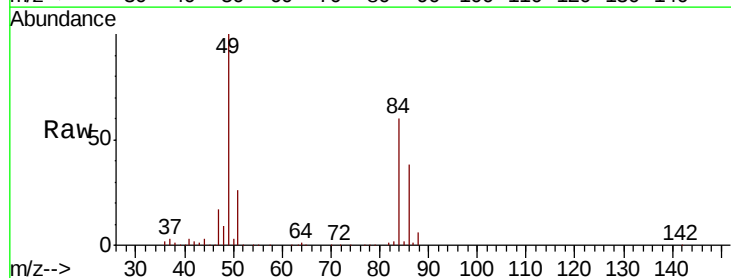
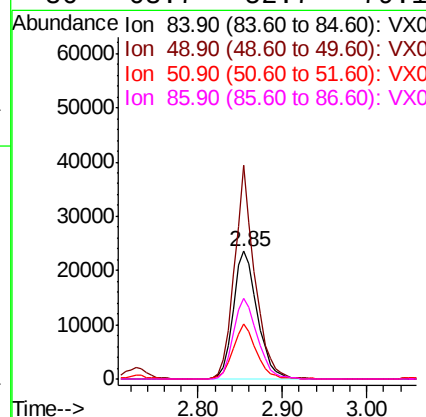
Manual Integrations
APPROVED

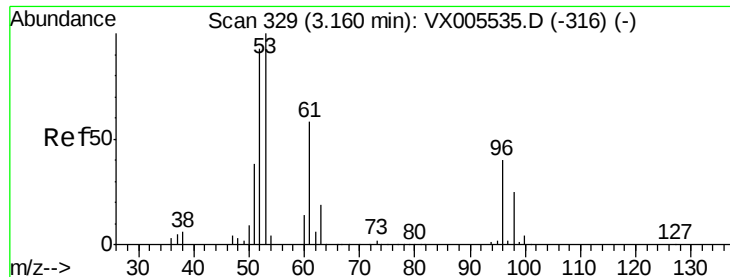
MMDadoda
10/26/2018 11:53:06 AM



#20
Methylene Chloride
Concen: 19.283 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	167.6	109.5	164.3#
51	42.9	33.3	49.9
86	63.7	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 18.806 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 42222

Ion Ratio Lower Upper

96 100

61 149.3 115.6 173.4

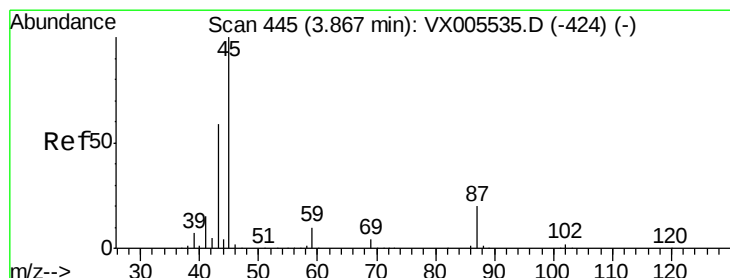
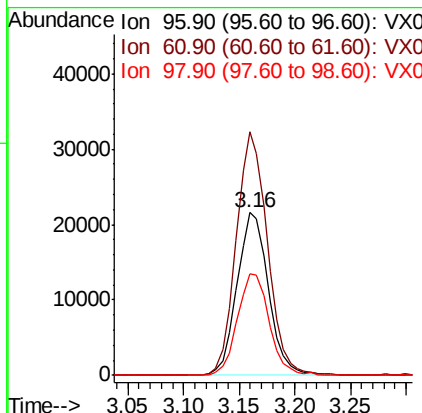
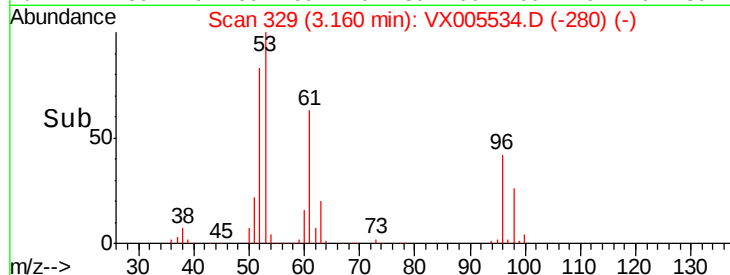
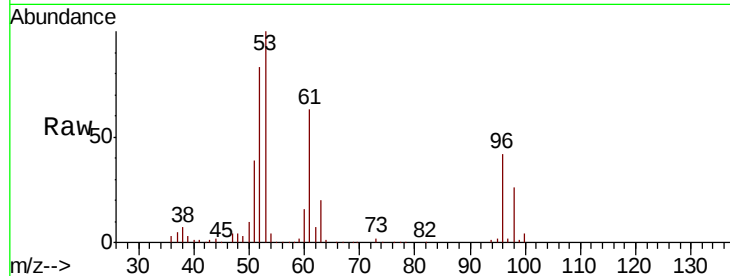
98 62.2 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

10/26/2018 11:53:06 AM



#22

Diisopropyl ether

Concen: 18.323 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Tgt Ion: 45 Resp: 146844

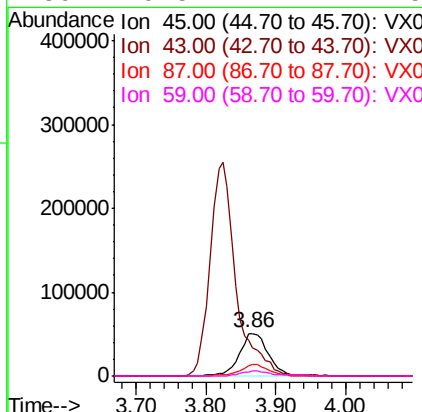
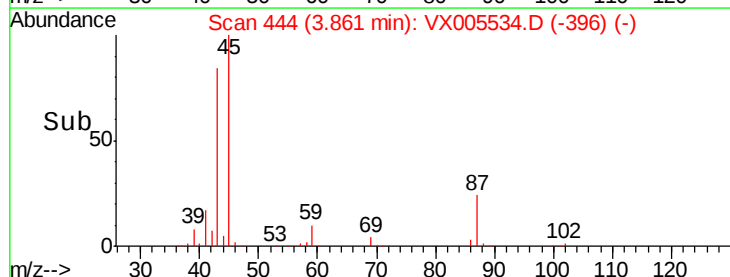
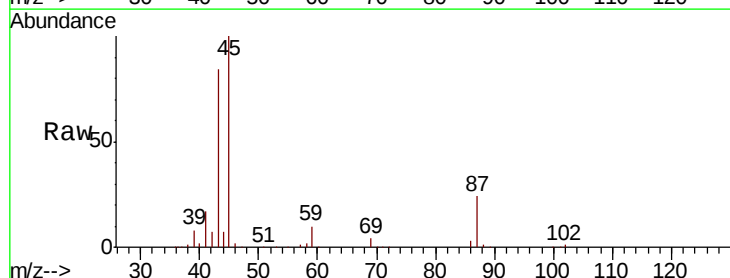
Ion Ratio Lower Upper

45 100

43 83.4 47.4 71.2#

87 23.9 15.9 23.9

59 9.5 7.7 11.5





#23

Vinyl Acetate

Concen: 93.652 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 661000

Ion Ratio Lower Upper

43 100

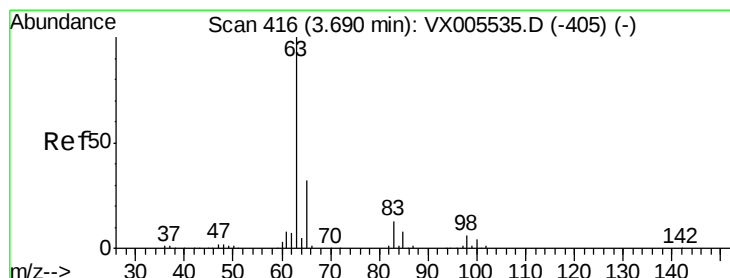
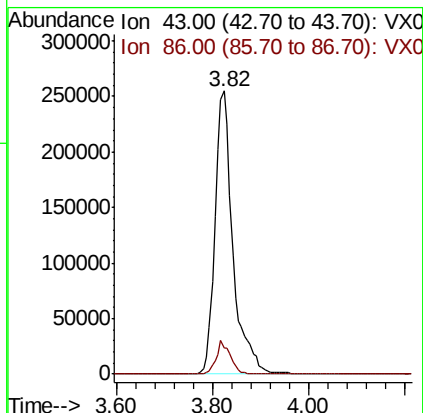
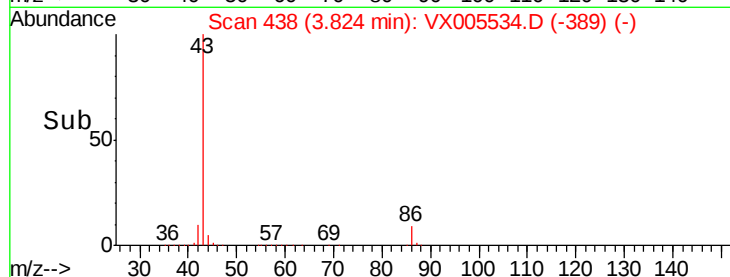
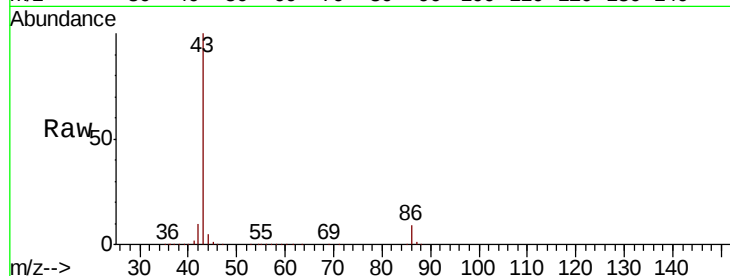
86 9.2 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

10/26/2018 11:53:06 AM



#24

1,1-Dichloroethane

Concen: 18.865 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

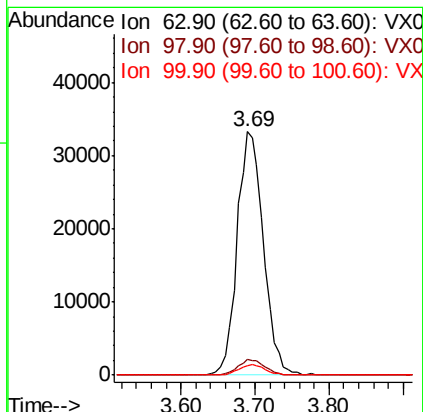
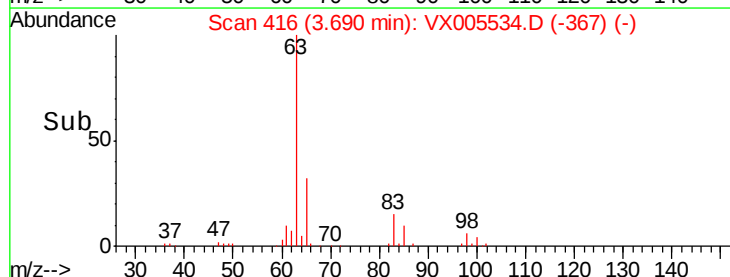
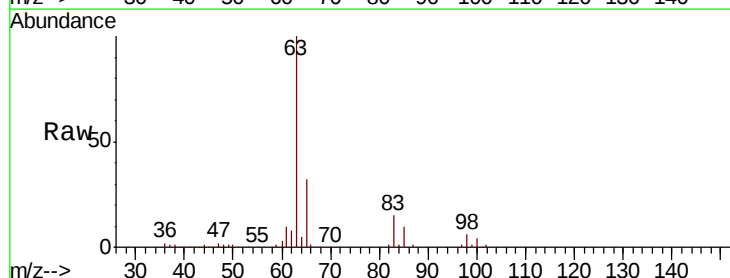
Tgt Ion: 63 Resp: 82195

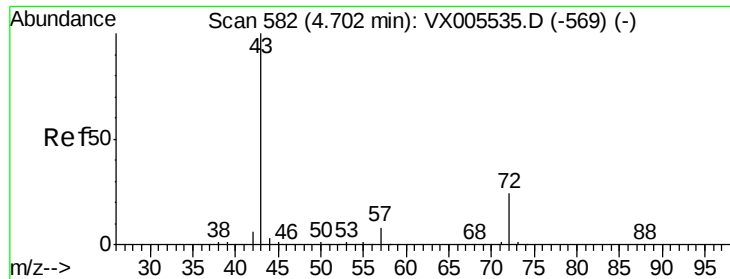
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 3.6 2.1 6.2





#25

2-Butanone

Concen: 99.176 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 213394

Ion Ratio Lower Upper

43 100

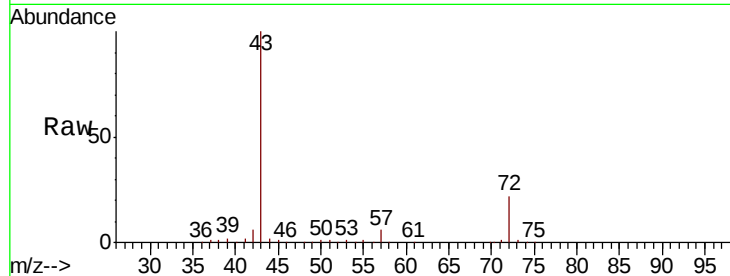
72 22.4 19.2 28.8

Manual Integrations

APPROVED

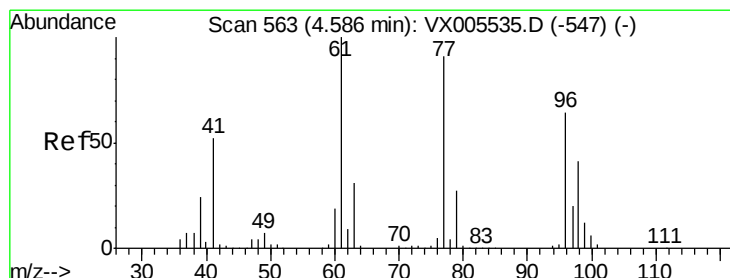
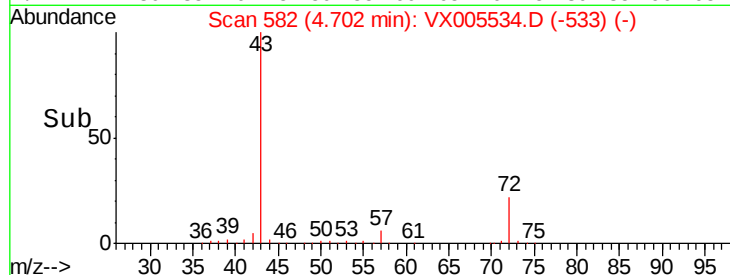
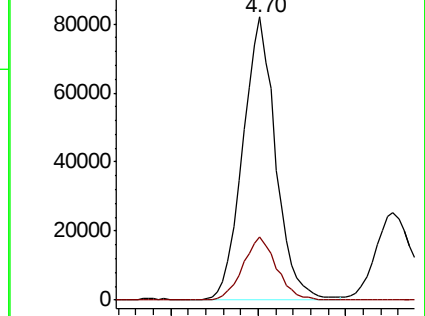
MMDadoda

10/26/2018 11:53:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.058 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005534.D

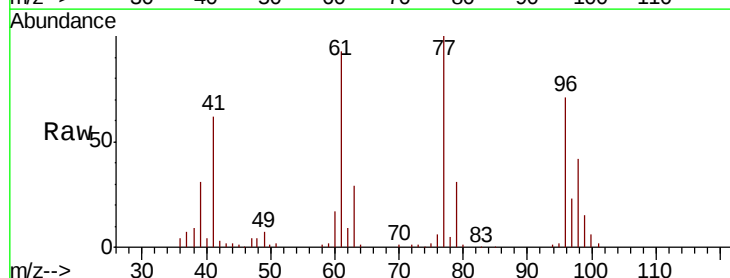
Acq: 24 Oct 2018 11:32

Tgt Ion: 77 Resp: 64109

Ion Ratio Lower Upper

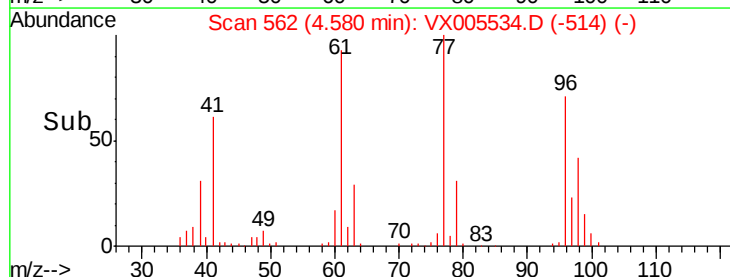
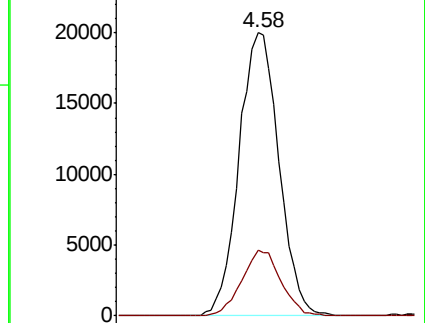
77 100

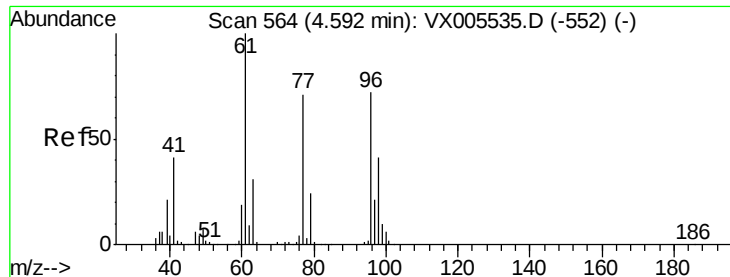
97 22.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

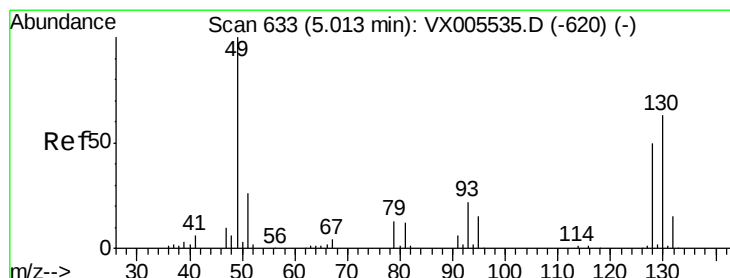
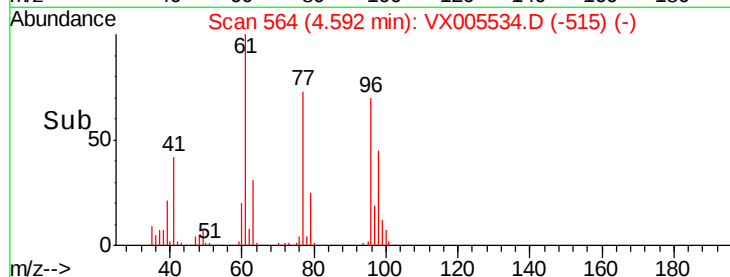
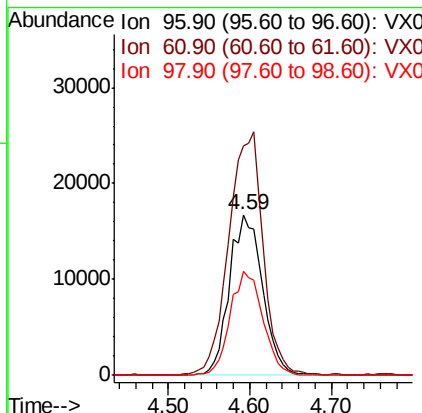
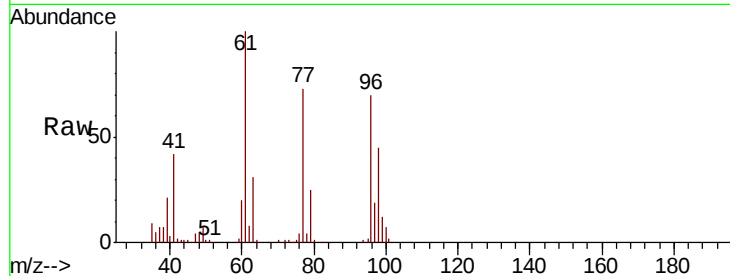
cis-1,2-Dichloroethene
Concen: 19.407 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.1	0.0	304.6
98	63.5	0.0	127.4

Manual Integrations
APPROVED

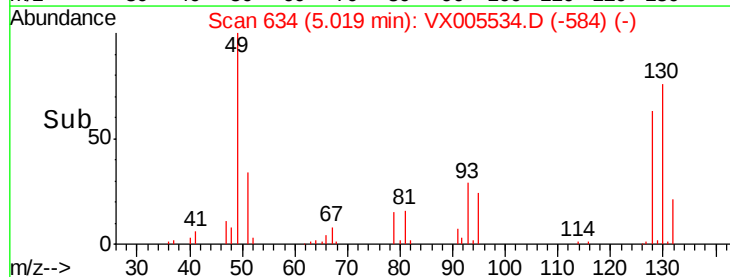
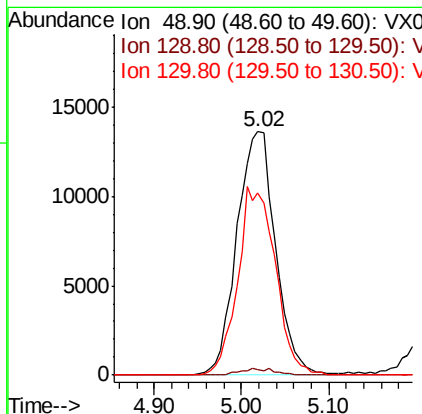
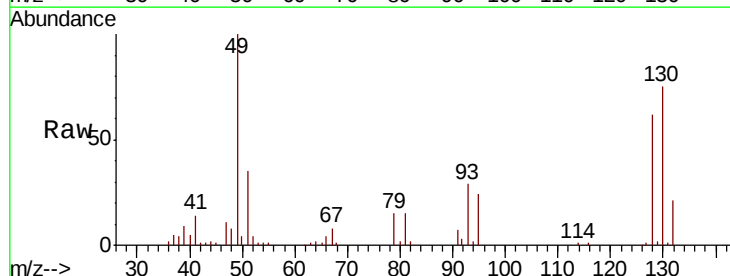
MMDadoda
10/26/2018 11:53:06 AM

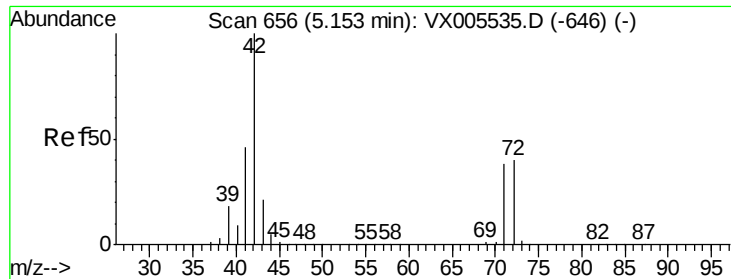


#28

Bromochloromethane
Concen: 19.852 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	75.4	58.9	88.3





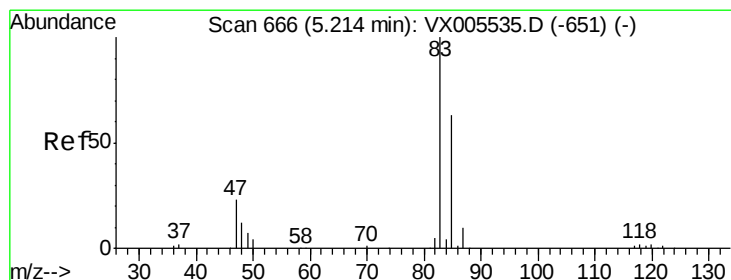
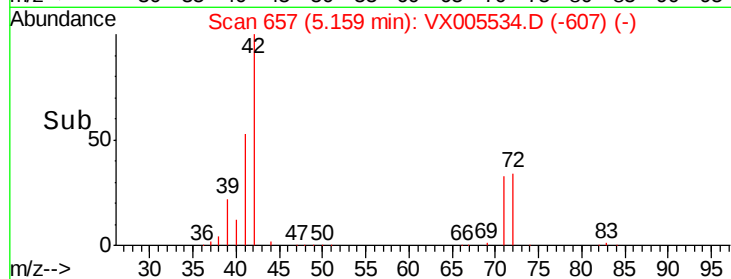
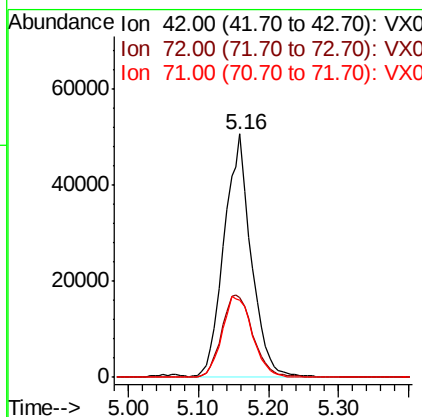
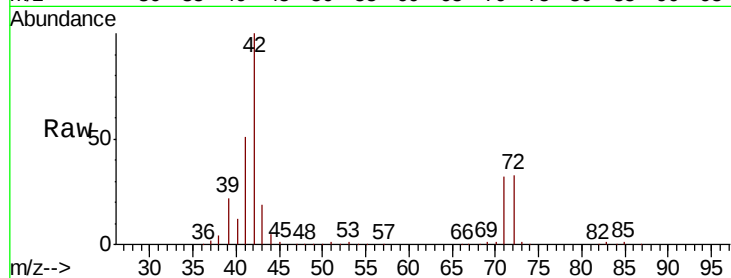
#29
Tetrahydrofuran
Concen: 96.238 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.0	48.0
71	37.6	29.8	44.8

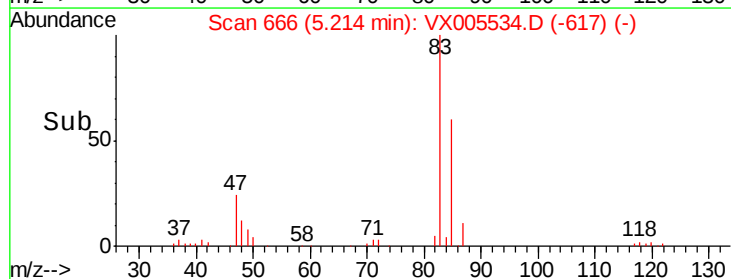
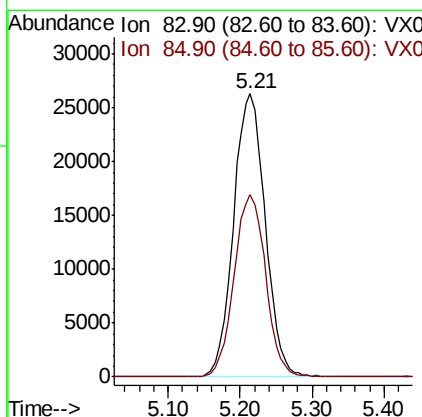
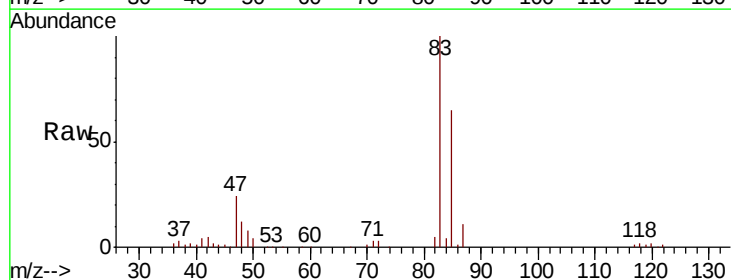
Manual Integrations
APPROVED

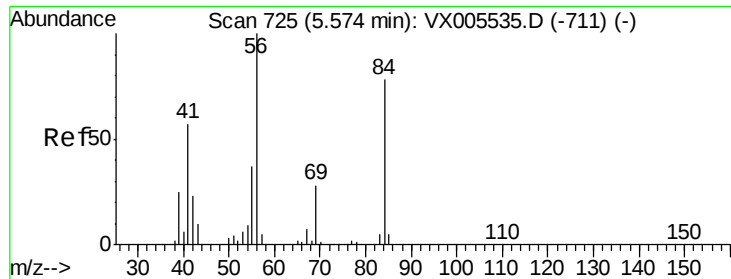
MMDadoda
10/26/2018 11:53:06 AM



#30
Chloroform
Concen: 19.673 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	76.0





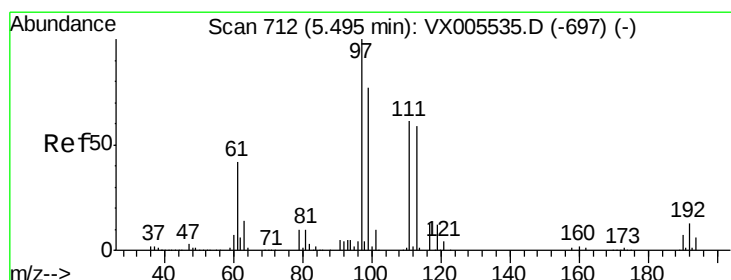
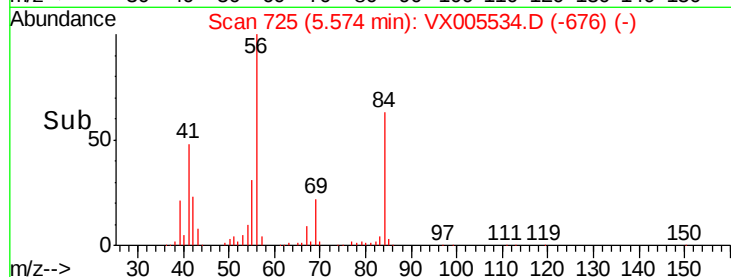
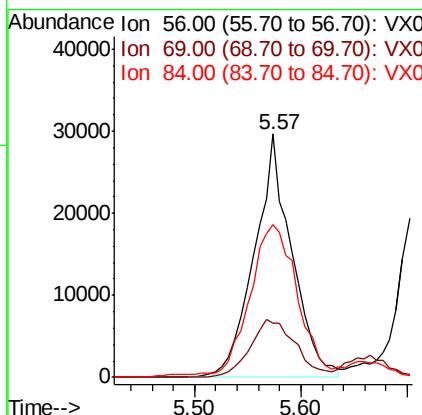
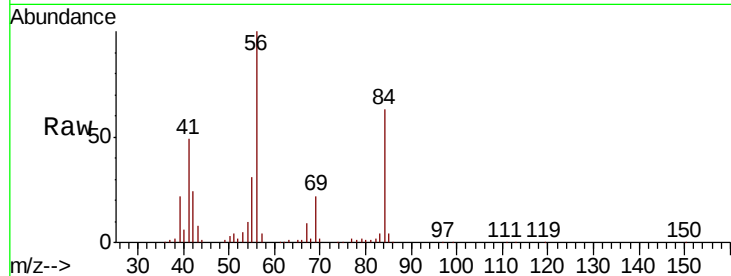
#31
Cyclohexane
Concen: 20.136 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	22.4	22.6	34.0#
84	61.4	62.7	94.1#

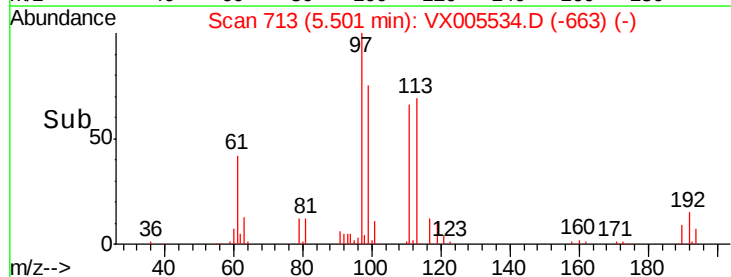
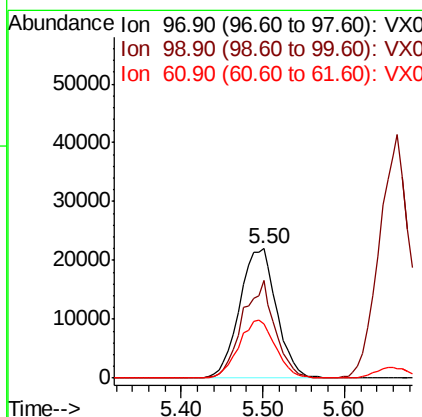
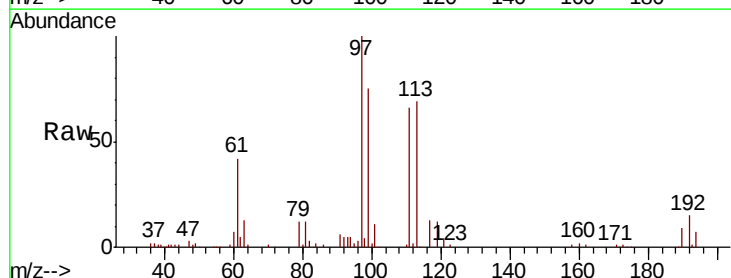
Manual Integrations
APPROVED

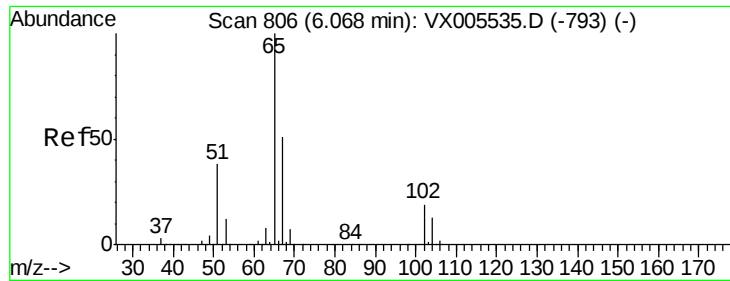
MMDadoda
10/26/2018 11:53:06 AM



#32
1,1,1-Trichloroethane
Concen: 19.246 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	52.3	78.5
61	44.6	35.2	52.8





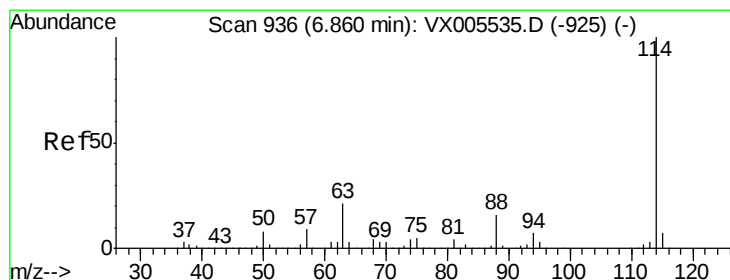
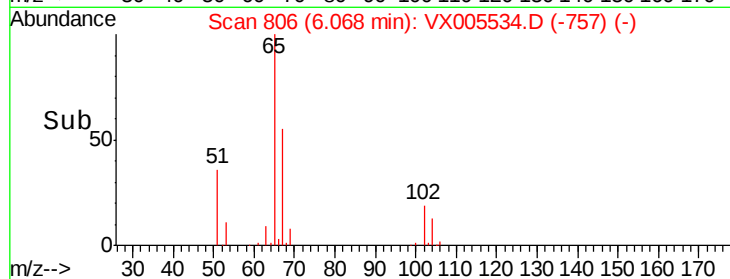
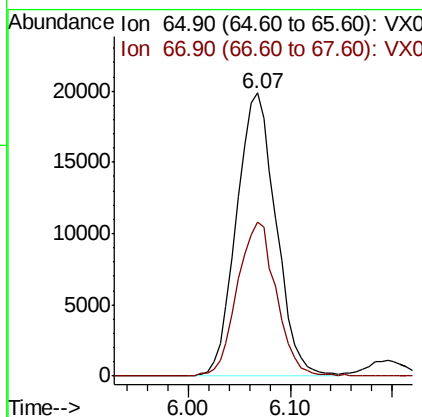
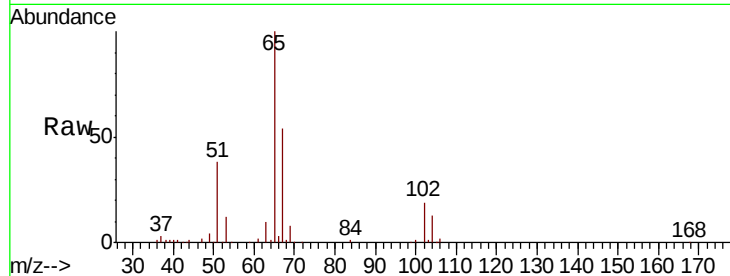
#33
 1,2-Dichloroethane-d4
 Concen: 19.950 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.0

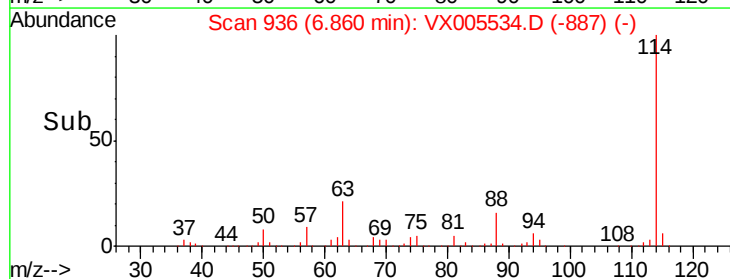
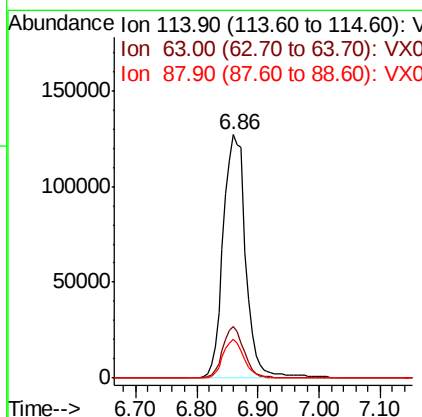
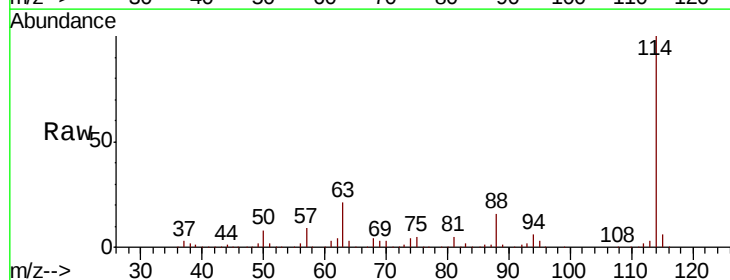
Manual Integrations
 APPROVED

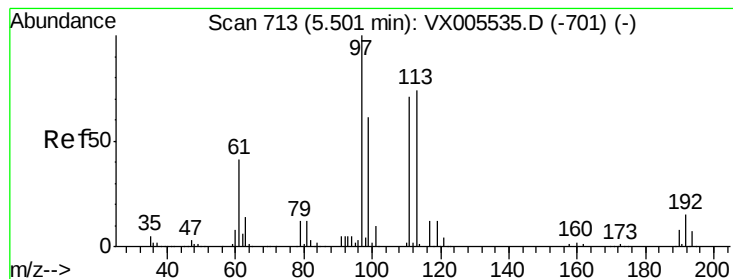
MMDadoda
 10/26/2018 11:53:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	42.8
88	15.9	0.0	31.2





#35

Dibromofluoromethane

Concen: 19.101 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

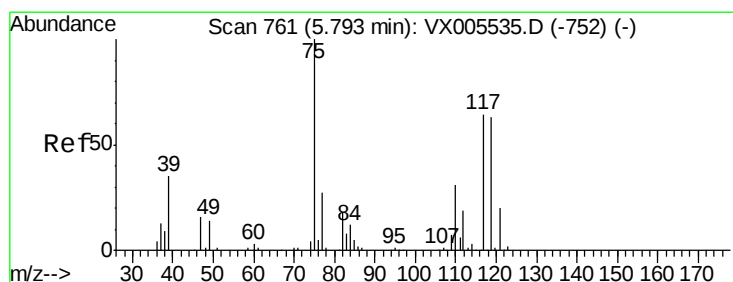
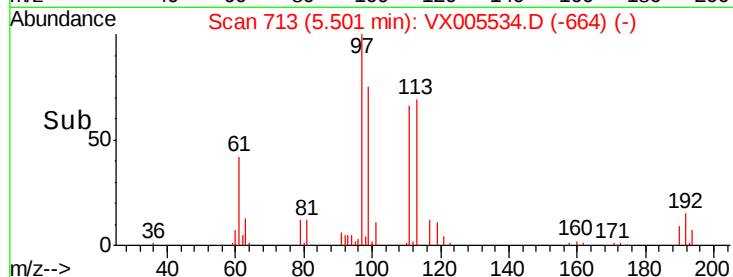
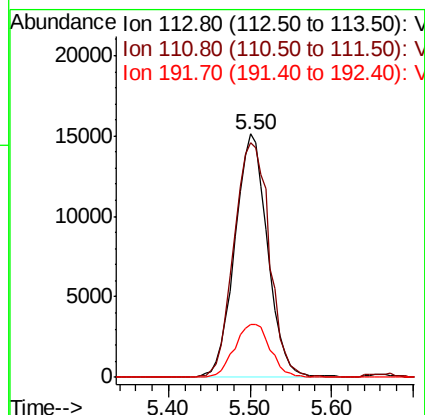
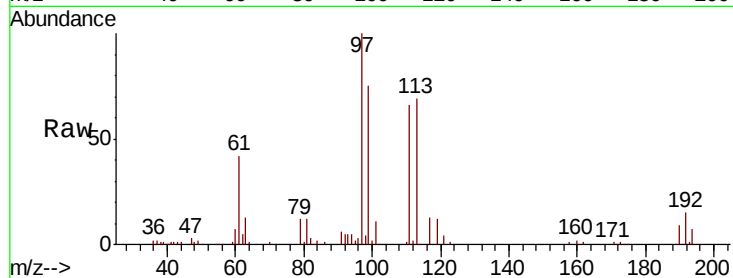
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.3	123.5
192	23.5	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 AM



#36

1,1-Dichloropropene

Concen: 18.893 ug/l

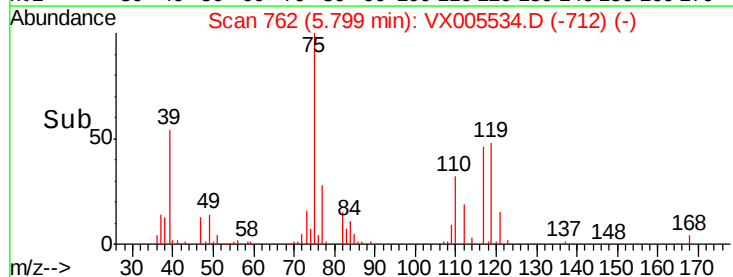
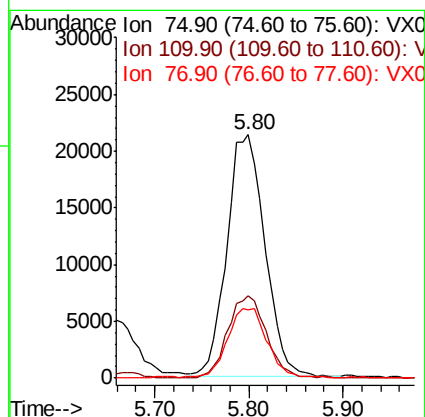
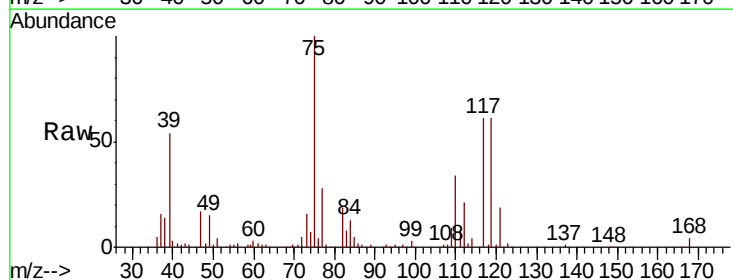
RT: 5.80 min Scan# 762

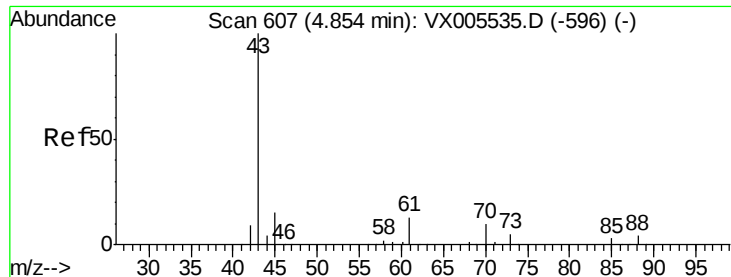
Delta R.T. 0.01 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.2
77	30.3	25.8	38.6





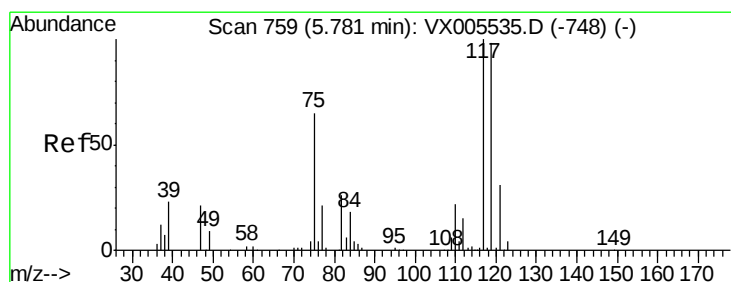
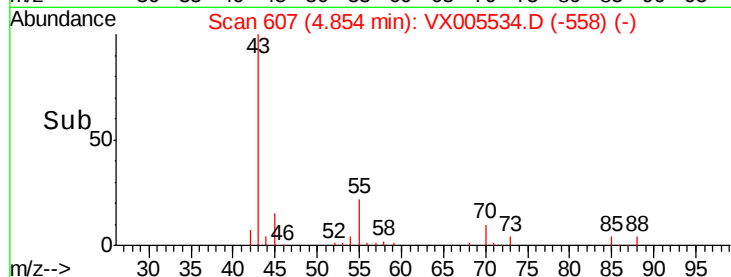
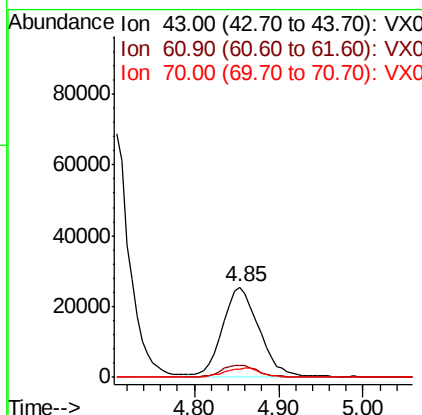
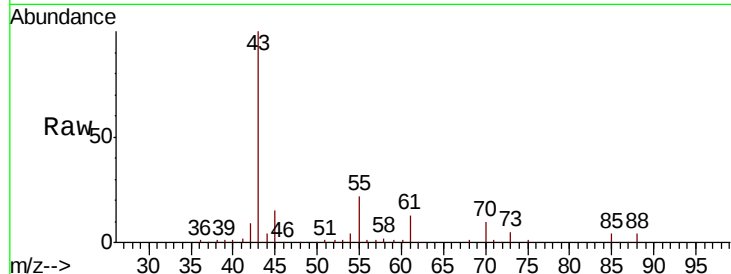
#37
Ethyl Acetate
Concen: 18.502 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.8	16.2
70	10.5	7.8	11.8

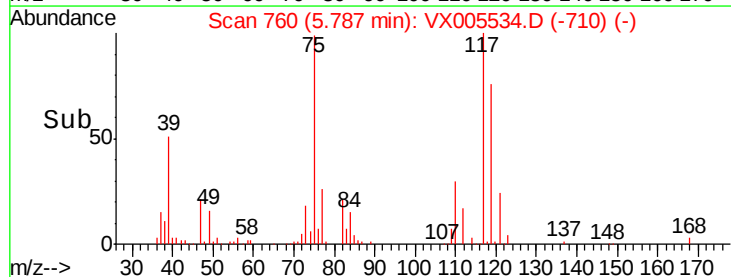
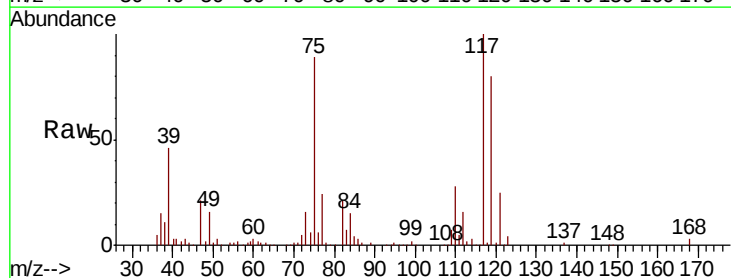
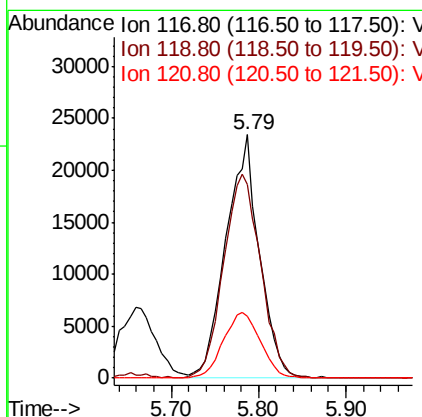
Manual Integrations
APPROVED

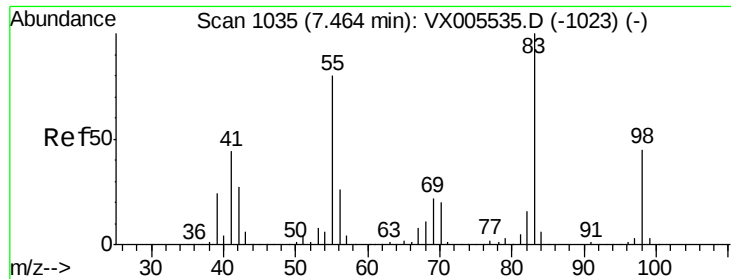
MMDadoda
10/26/2018 11:53:06 AM



#38
Carbon Tetrachloride
Concen: 18.707 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	79.7	78.1	117.1
121	25.3	24.6	36.8





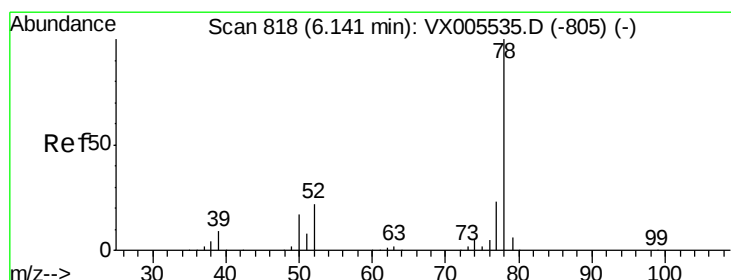
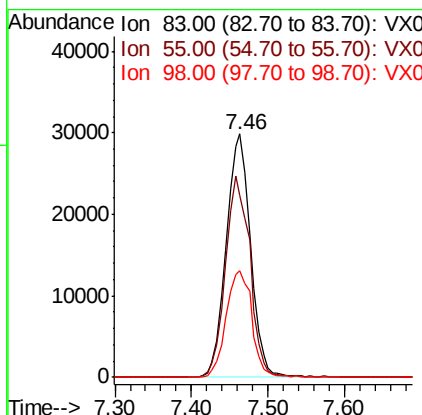
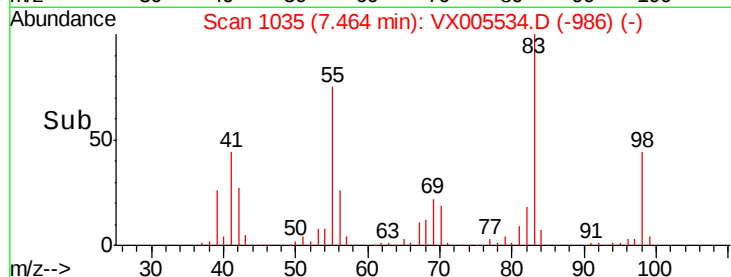
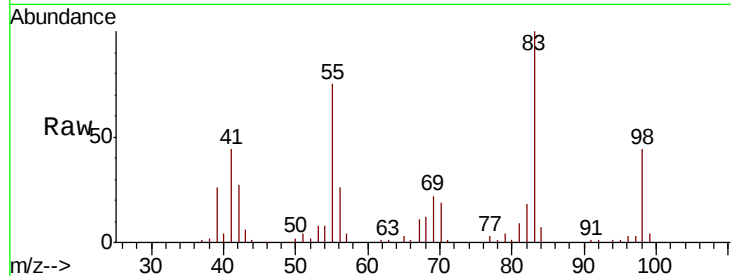
#39
Methvlcvclohexane
Concen: 18.892 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	63.7	95.5
98	44.1	36.2	54.2

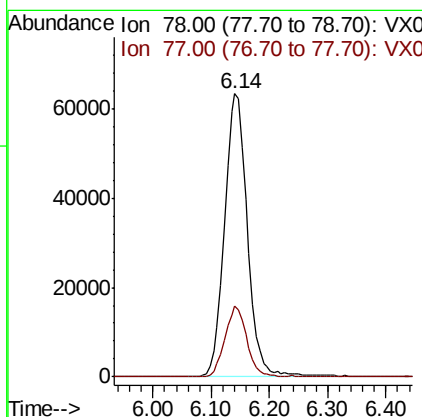
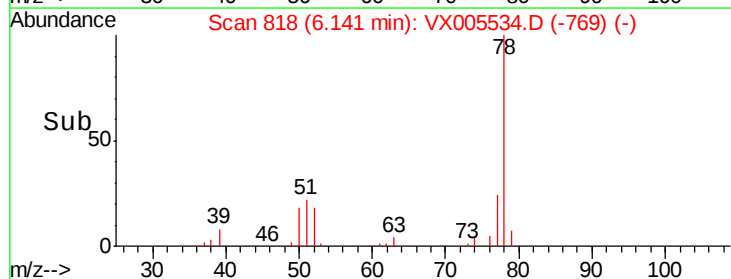
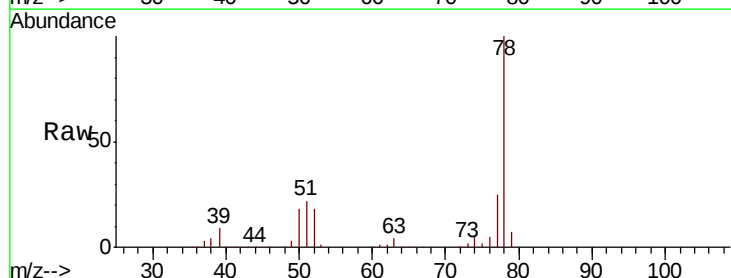
Manual Integrations
APPROVED

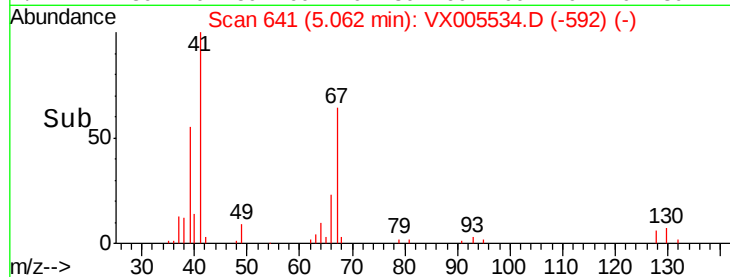
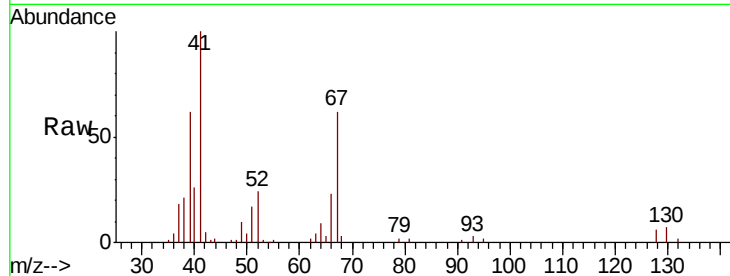
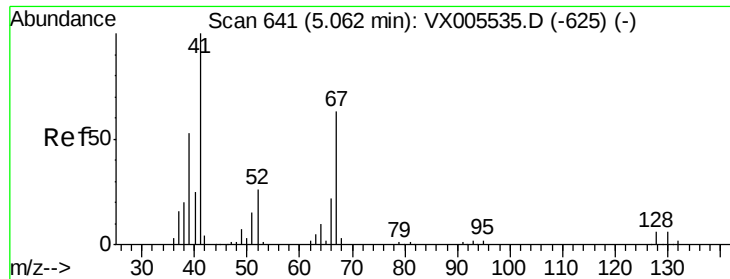
MMDadoda
10/26/2018 11:53:06 AM



#40
Benzene
Concen: 19.153 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.4	27.6





#41

Methacrylonitrile

Concen: 18.437 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Tot Ion:	41	Resp:	41348
Ion	Ratio	Lower	Upper
41	100		
39	53.8	42.2	63.2
67	68.8	53.4	80.0
52	27.6	23.4	35.2

Instrument :

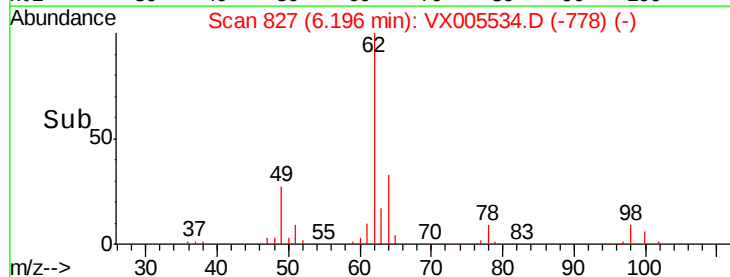
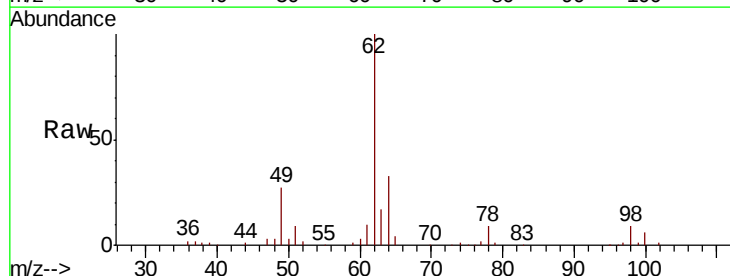
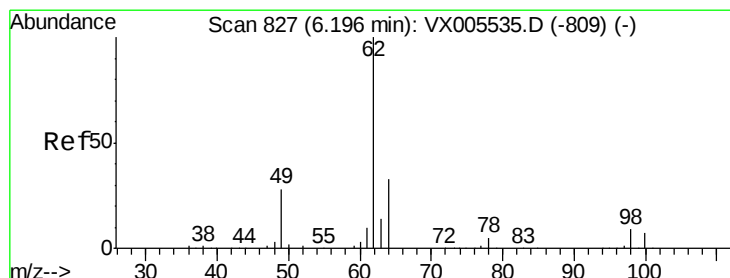
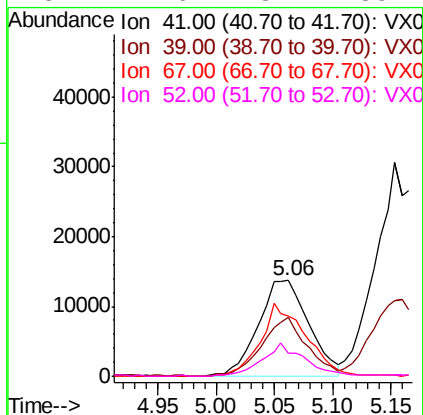
MSVOA_X

ClientSampleId :

VSTDIC020

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 AM



#42

1,2-Dichloroethane

Concen: 19.376 ug/l

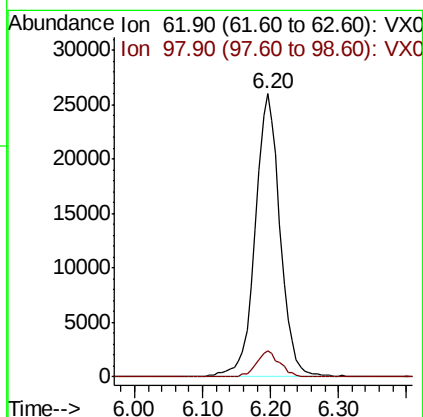
RT: 6.20 min Scan# 827

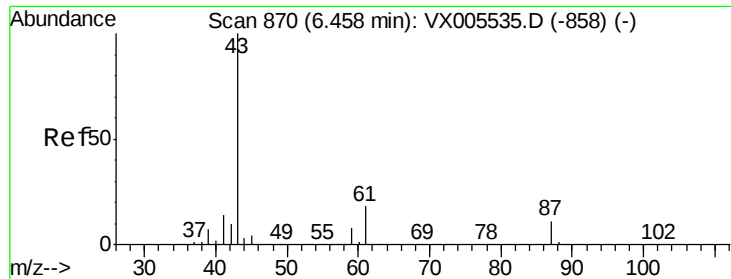
Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Tgt Ion:	62	Resp:	66575
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8





#43

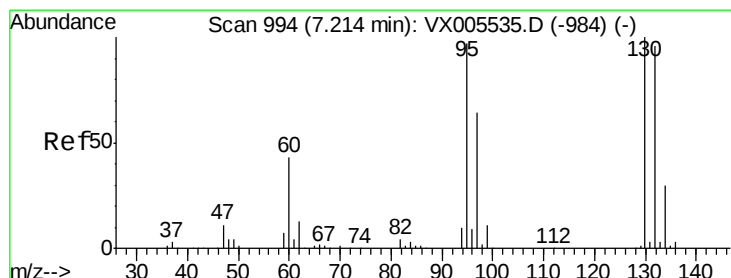
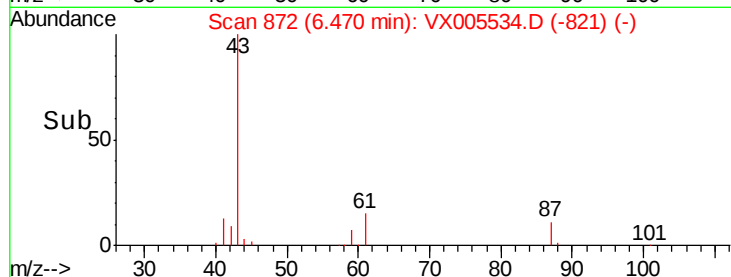
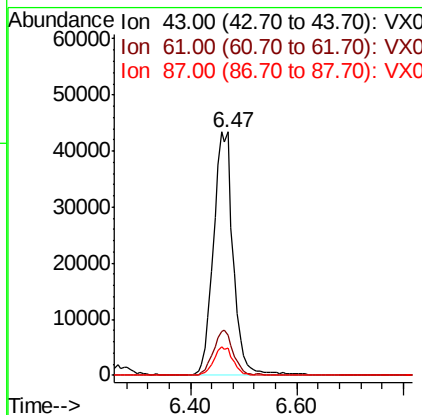
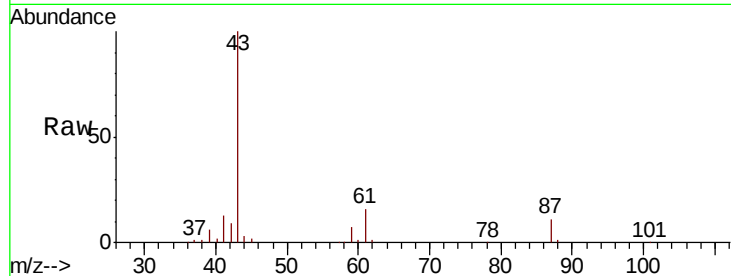
Isopropyl Acetate
 Concen: 18.441 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. 0.01 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.6	22.0
87	11.7	9.6	14.4

Manual Integrations
 APPROVED

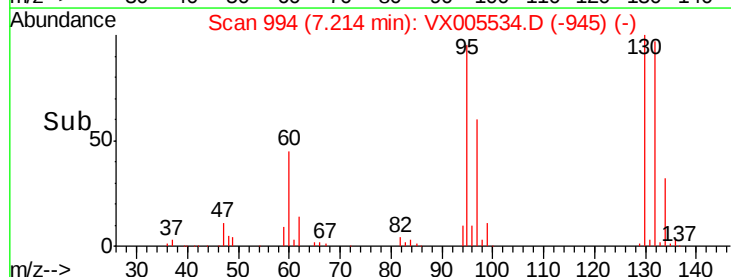
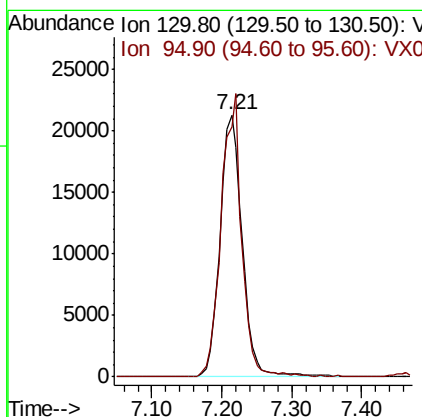
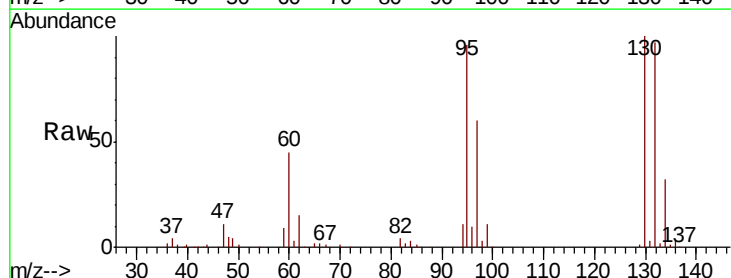
MMDadoda
 10/26/2018 11:53:06 AM



#44

Trichloroethene
 Concen: 19.031 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	194.2





#45

1,2-Dichloropropane

Concen: 18.870 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 45884

Ion Ratio Lower Upper

63 100

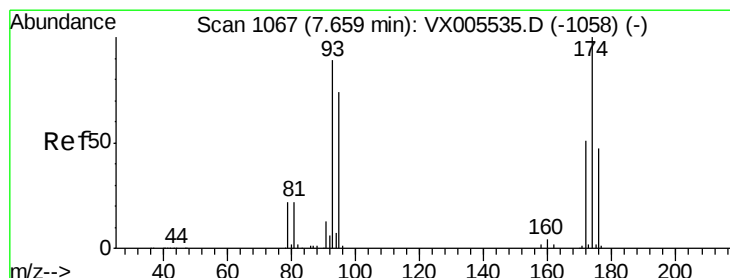
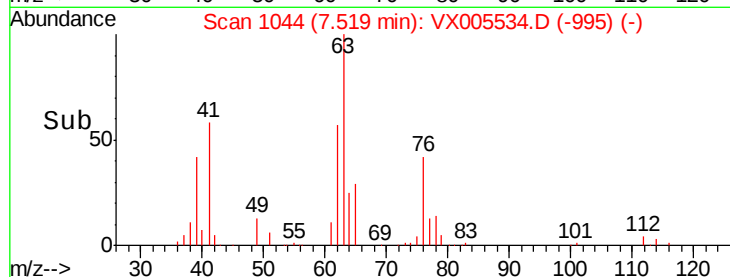
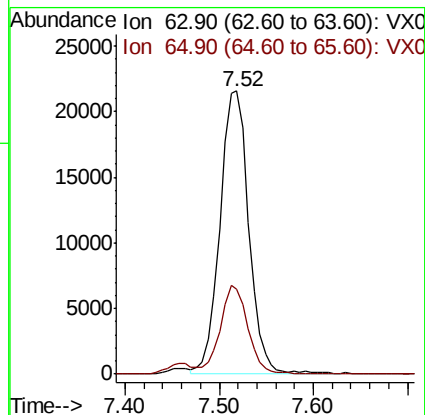
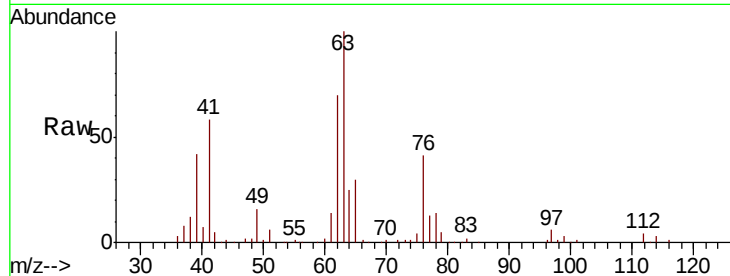
65 30.0 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

10/26/2018 11:53:06 AM



#46

Dibromomethane

Concen: 18.846 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

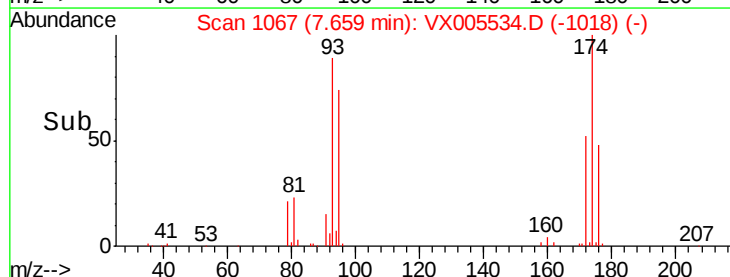
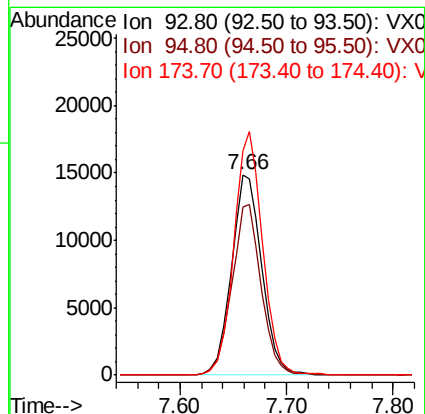
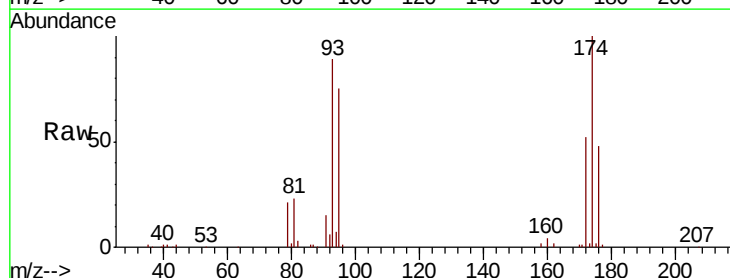
Tgt Ion: 93 Resp: 29598

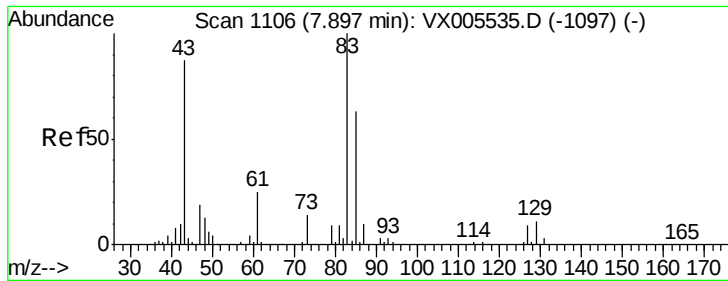
Ion Ratio Lower Upper

93 100

95 82.3 67.4 101.0

174 115.5 91.5 137.3





#47

Bromodichloromethane

Concen: 18.747 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

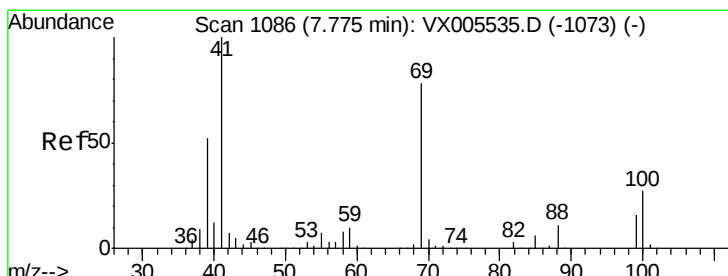
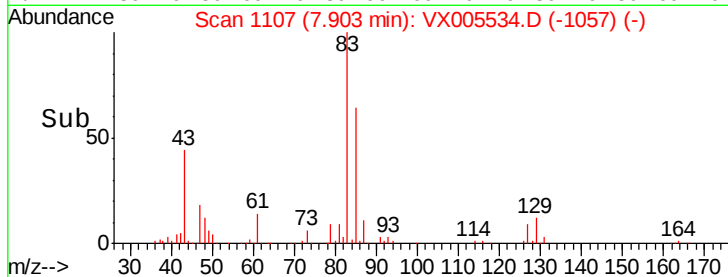
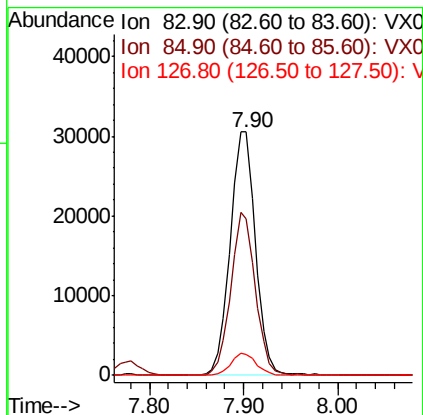
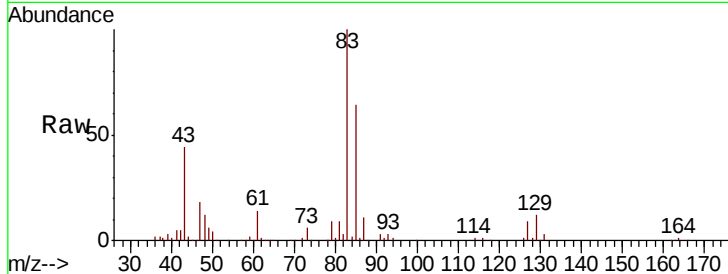
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	57143
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.2	75.4
127	8.5	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 AM



#48

Methyl methacrylate

Concen: 18.593 ug/l

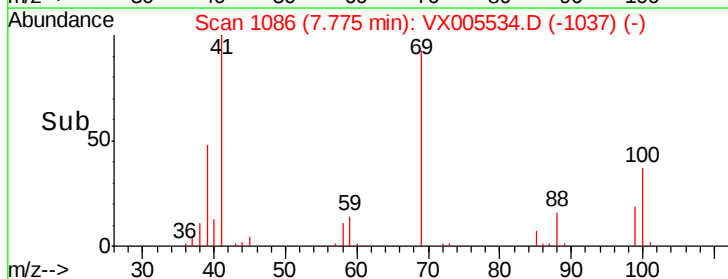
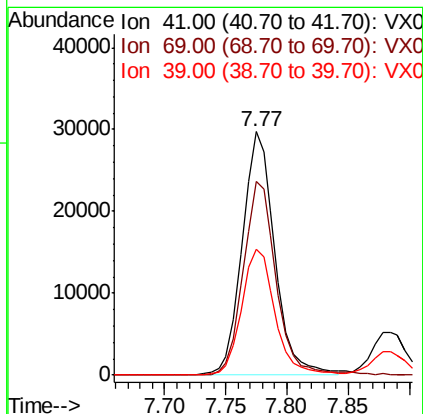
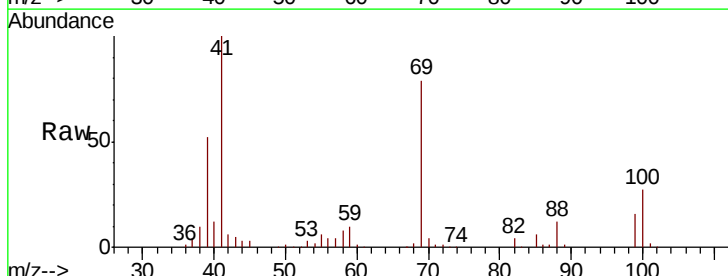
RT: 7.77 min Scan# 1086

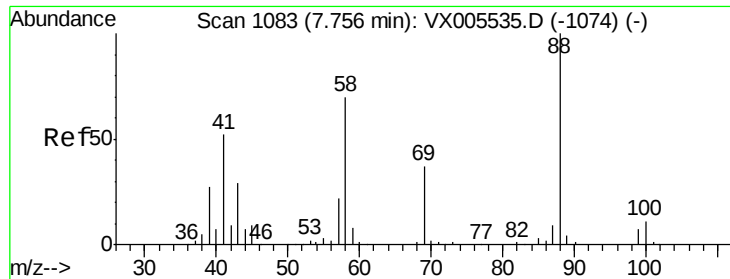
Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Tgt Ion:	41	Resp:	54648
Ion	Ratio	Lower	Upper
41	100		
69	80.9	63.2	94.8
39	53.8	42.2	63.2





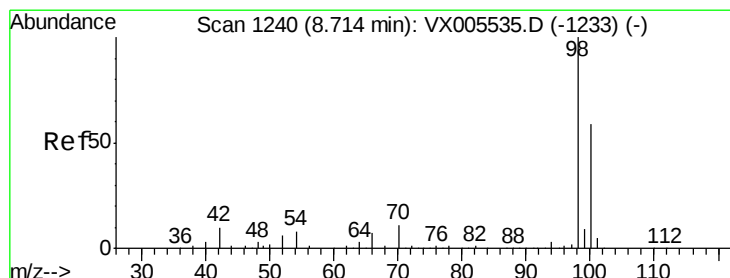
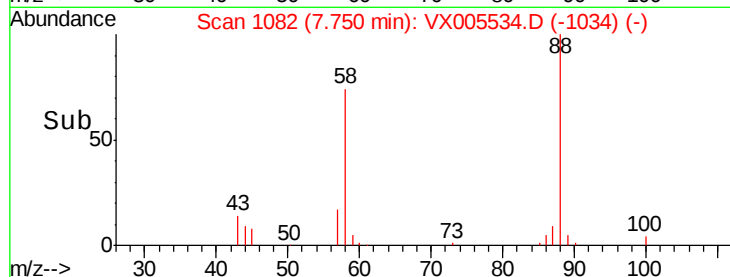
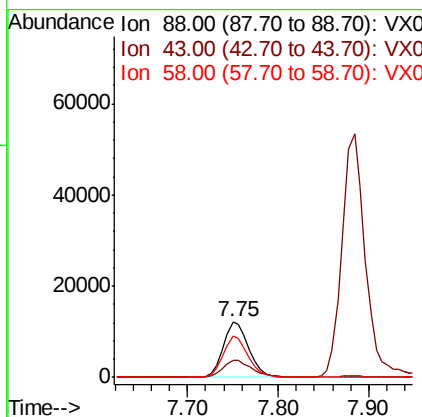
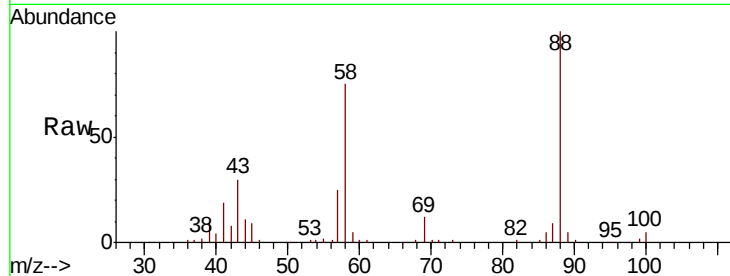
#49
1,4-Dioxane
Concen: 371.908 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	27.4	41.0
58	73.3	59.4	89.2

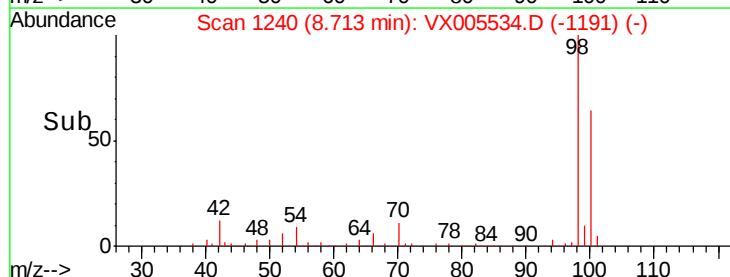
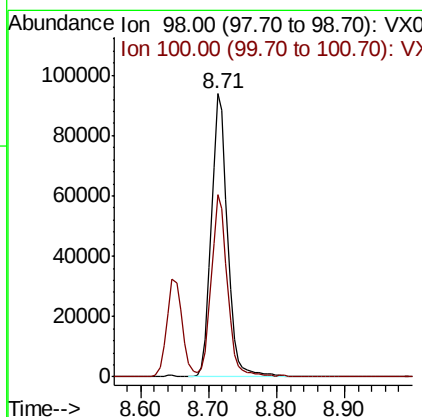
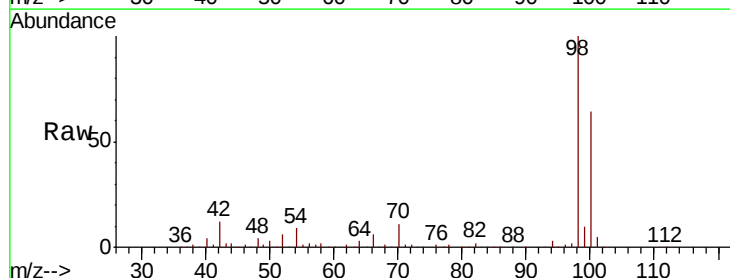
Manual Integrations
APPROVED

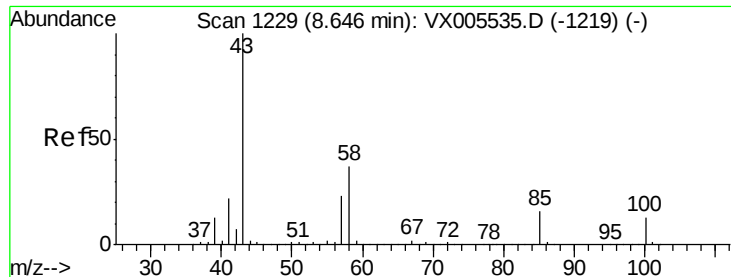
MMDadoda
10/26/2018 11:53:06 AM



#50
Toluene-d8
Concen: 19.616 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 95.268 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 386285

Ion Ratio Lower Upper

43 100

58 36.5

29.7

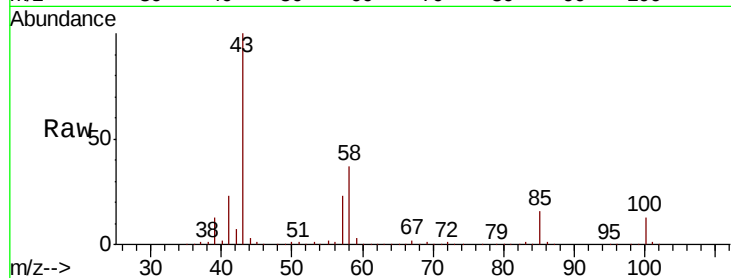
44.5

Manual Integrations

APPROVED

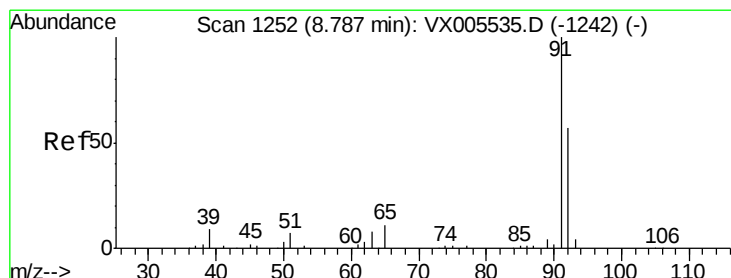
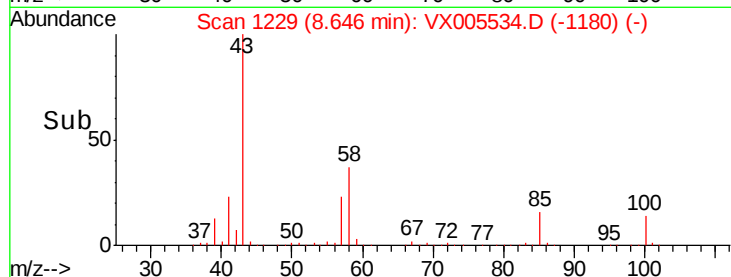
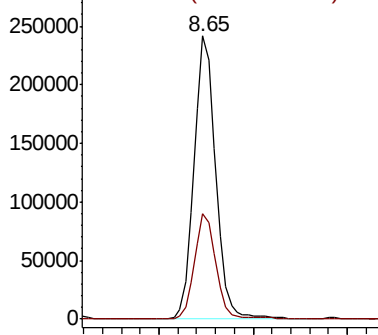
MMDadoda

10/26/2018 11:53:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.475 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Tgt Ion: 92 Resp: 107050

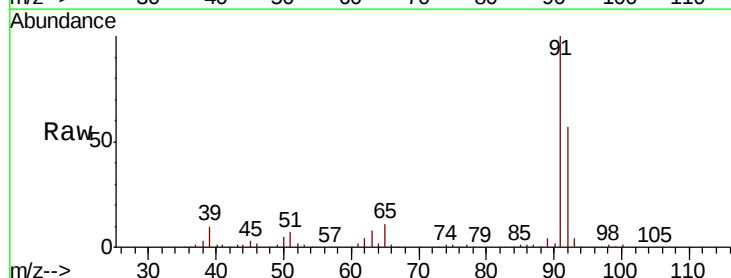
Ion Ratio Lower Upper

92 100

91 174.6

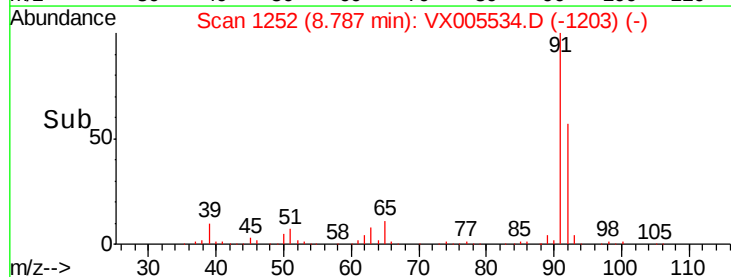
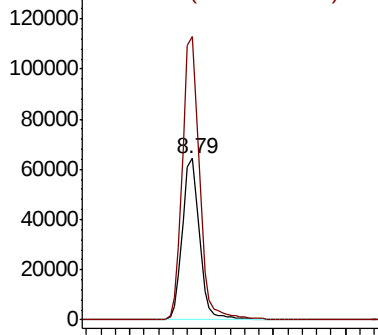
140.4

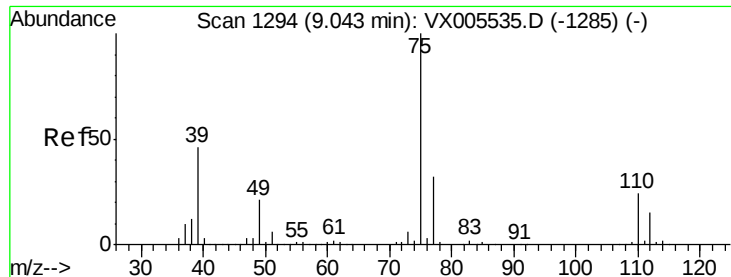
210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





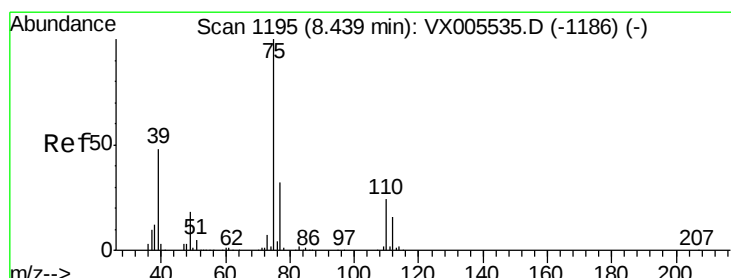
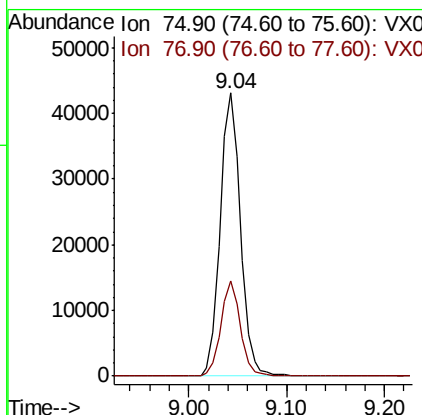
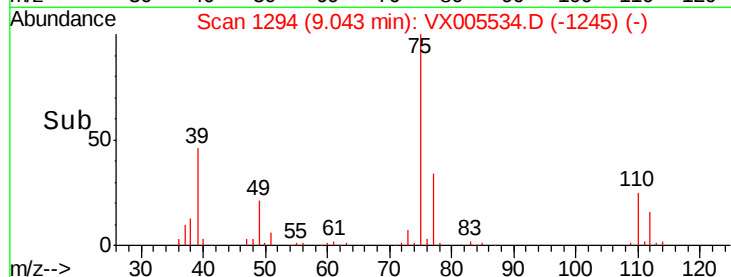
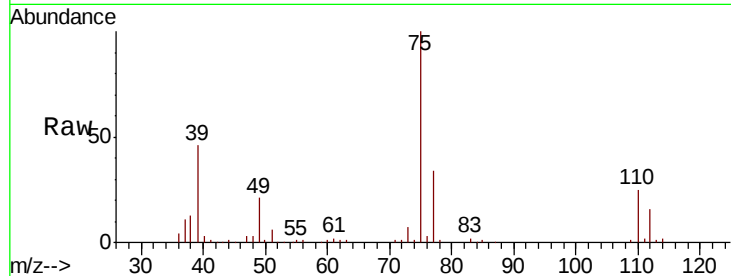
#53
 t-1,3-Dichloropropene
 Concen: 18.914 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 62309
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.4 38.2

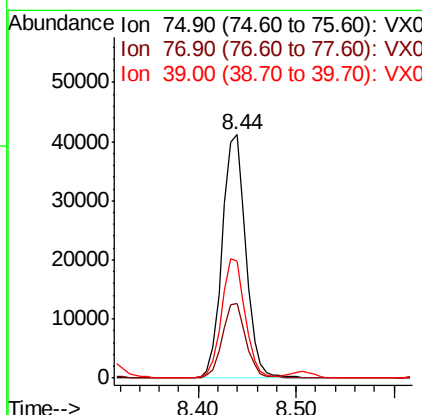
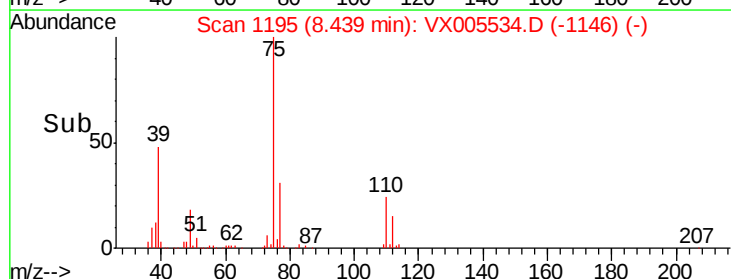
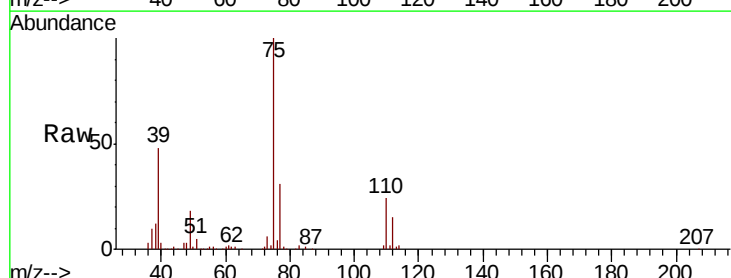
Manual Integrations
 APPROVED

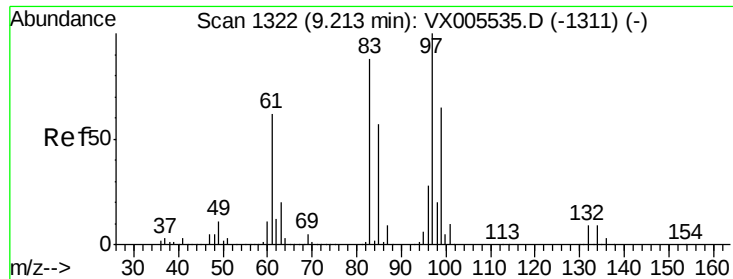
MMDadoda
 10/26/2018 11:53:06 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.471 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Tgt Ion: 75 Resp: 69060
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.2 37.8
 39 47.6 38.2 57.2





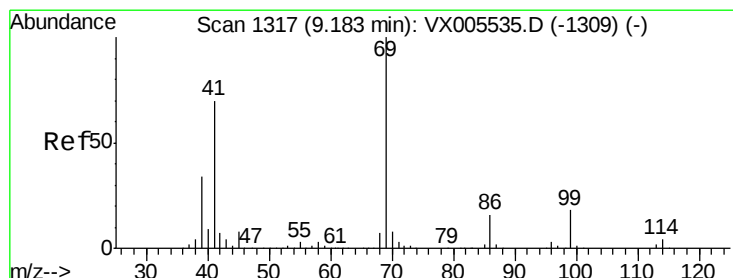
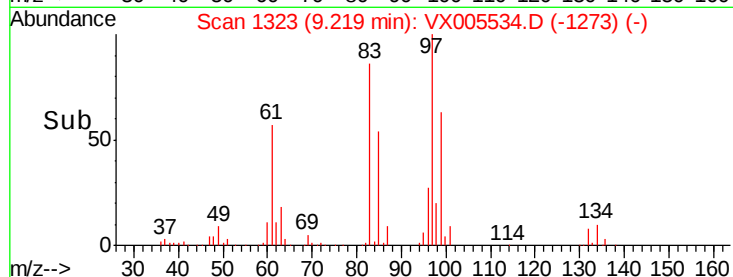
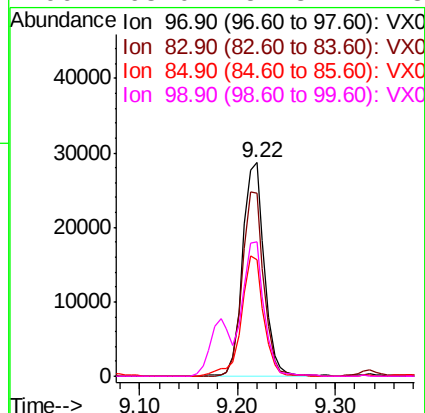
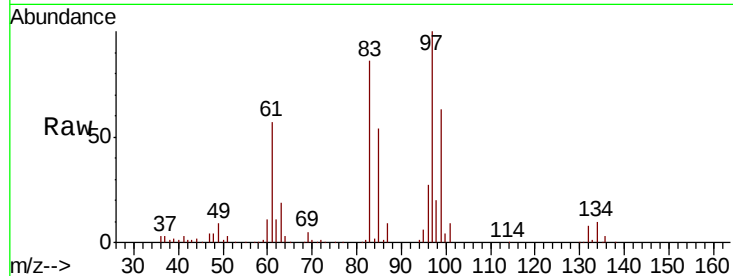
#55
1,1,2-Trichloroethane
Concen: 19.085 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	97	Resp:	44230
Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.7	106.1
85	54.3	45.8	68.6
99	63.0	51.8	77.8

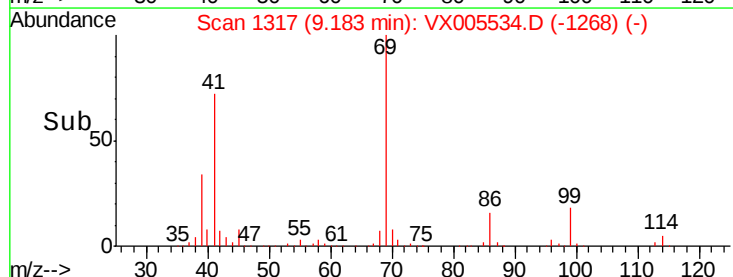
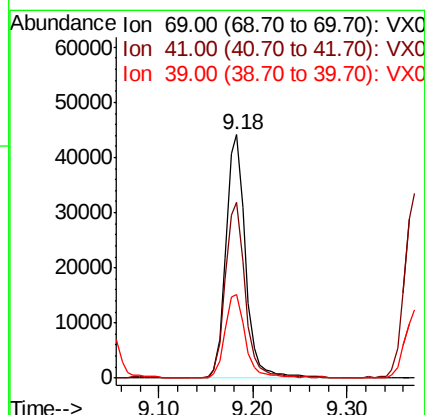
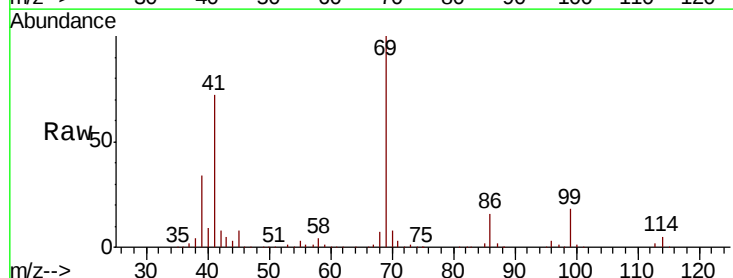
Manual Integrations
APPROVED

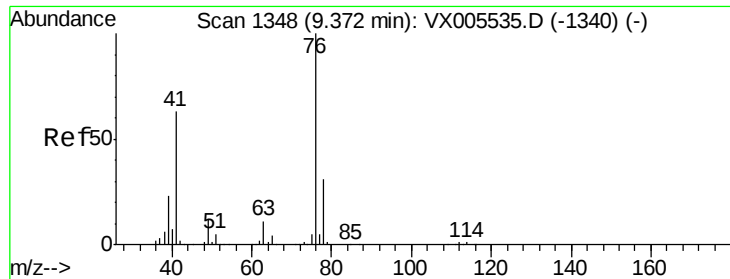
MMDadoda
10/26/2018 11:53:06 AM



#56
Ethyl methacrylate
Concen: 18.476 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion:	69	Resp:	63865
Ion	Ratio	Lower	Upper
69	100		
41	72.9	57.0	85.6
39	35.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 18.886 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 74058

Ion Ratio Lower Upper

76 100

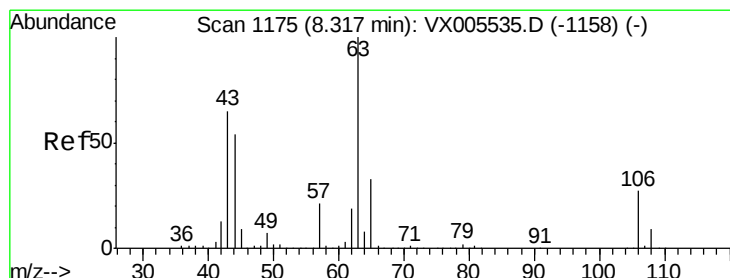
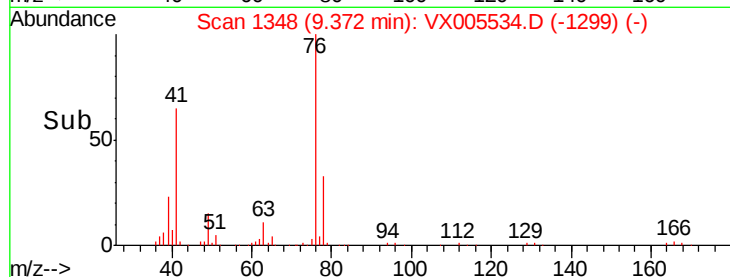
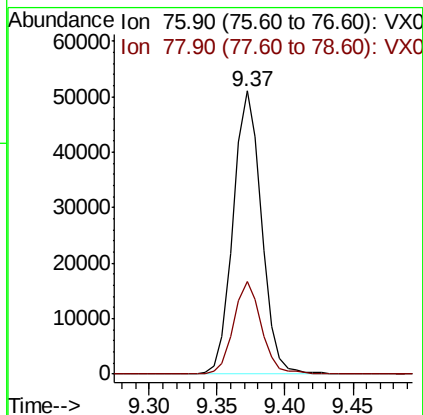
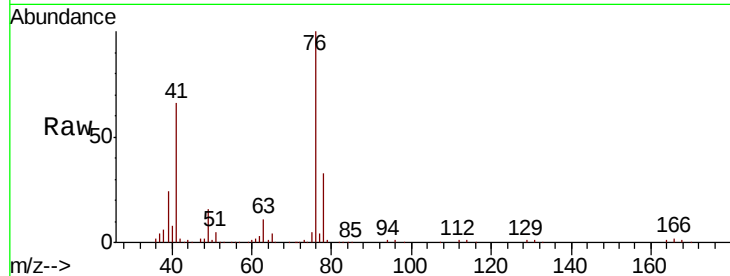
78 32.4 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/26/2018 11:53:06 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.440 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005534.D

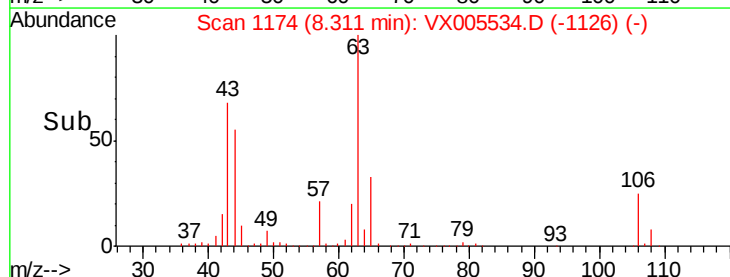
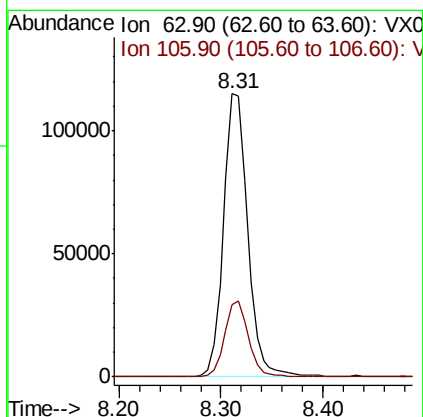
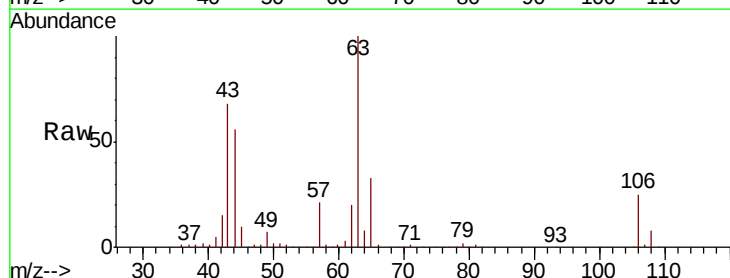
Acq: 24 Oct 2018 11:32

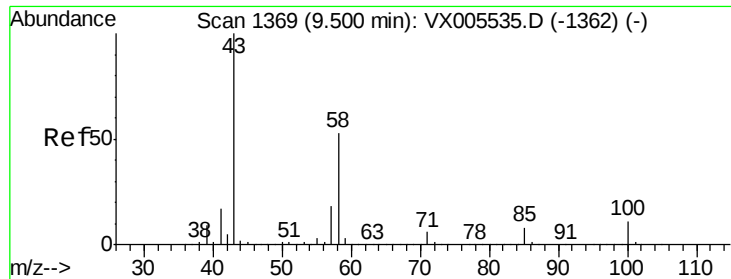
Tgt Ion: 63 Resp: 190048

Ion Ratio Lower Upper

63 100

106 26.3 21.3 31.9





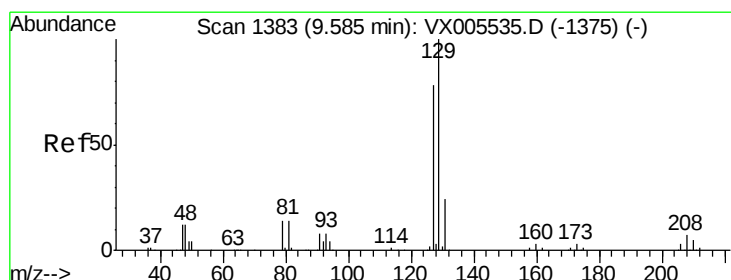
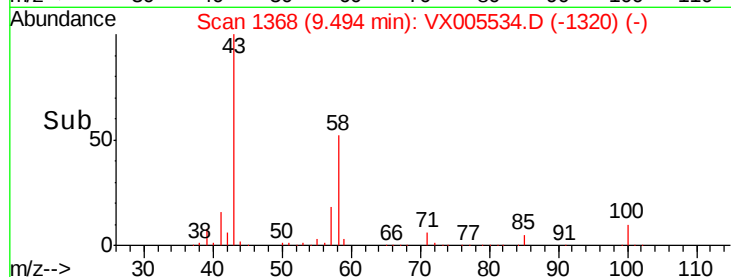
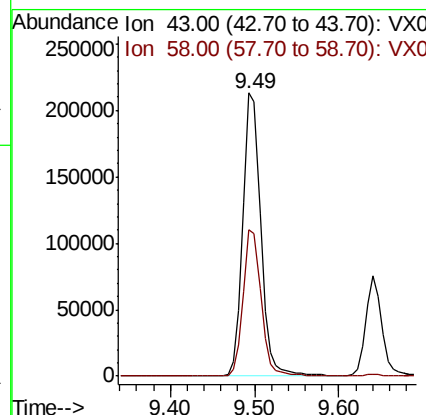
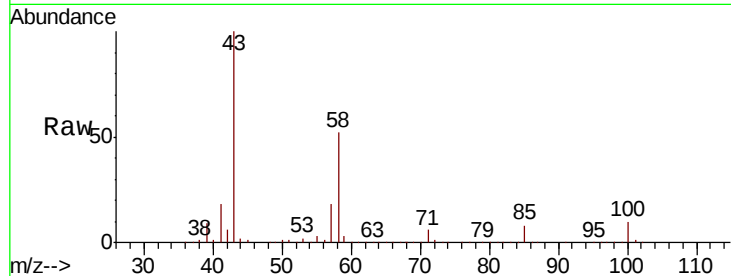
#59
2-Hexanone
Concen: 95.310 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 304702
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.8

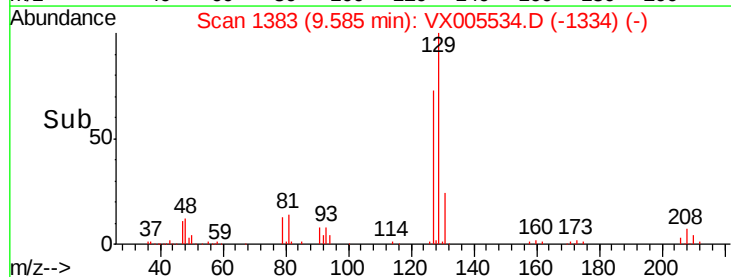
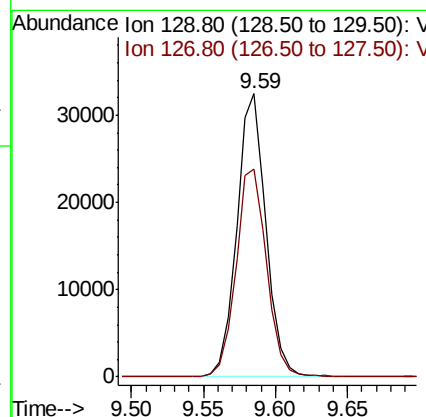
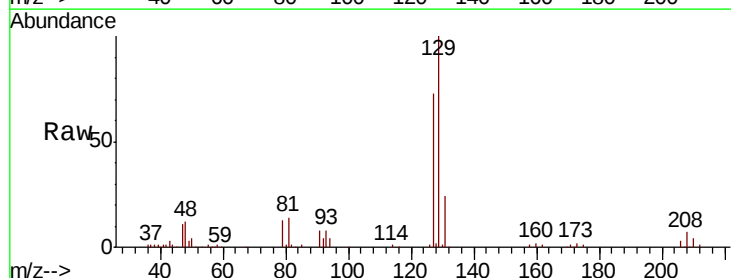
Manual Integrations
APPROVED

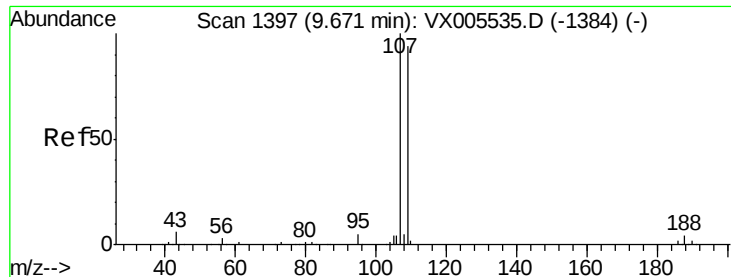
MMDadoda
10/26/2018 11:53:06 AM



#60
Dibromochloromethane
Concen: 18.880 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion:129 Resp: 45649
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.196 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 46024

Ion Ratio Lower Upper

107 100

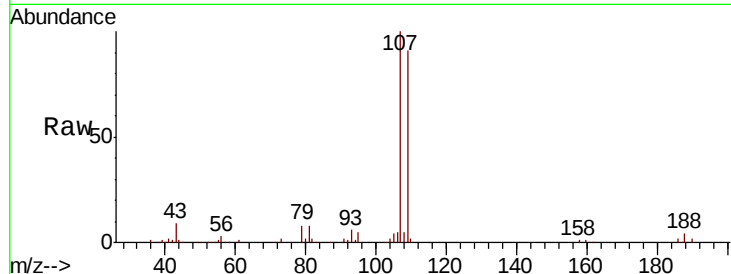
109 93.3 75.7 113.5

Manual Integrations

APPROVED

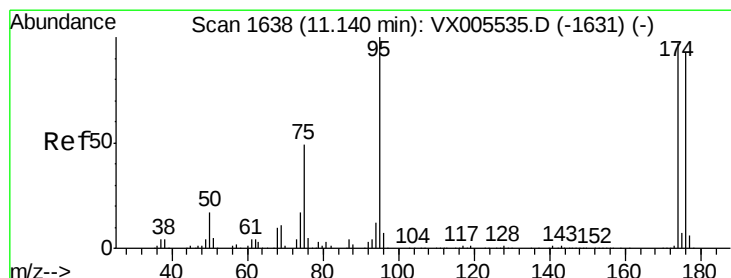
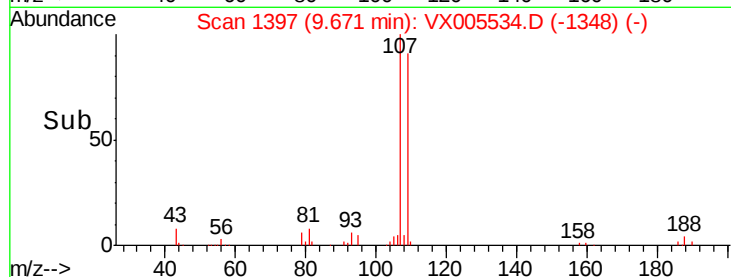
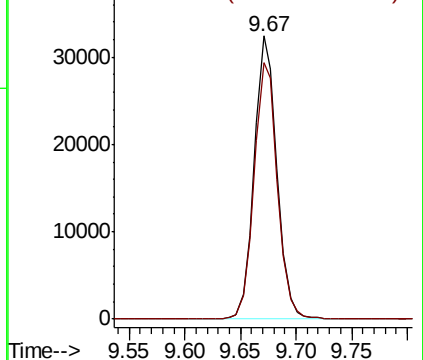
MMDadoda

10/26/2018 11:53:06 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.818 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

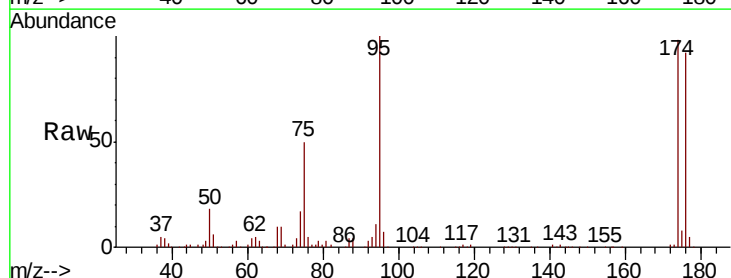
Tgt Ion: 95 Resp: 56213

Ion Ratio Lower Upper

95 100

174 91.6 0.0 184.4

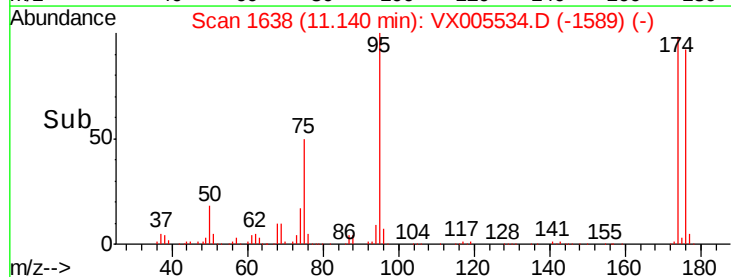
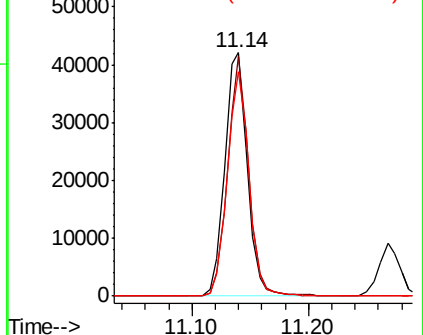
176 88.8 0.0 177.4

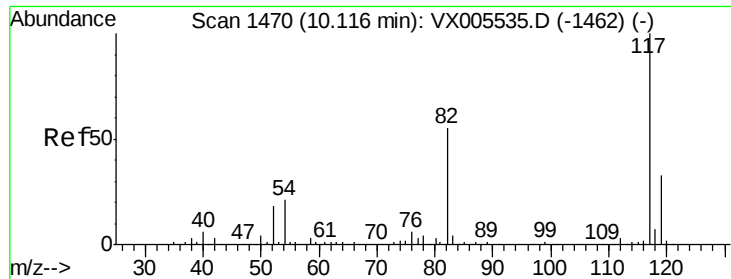


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





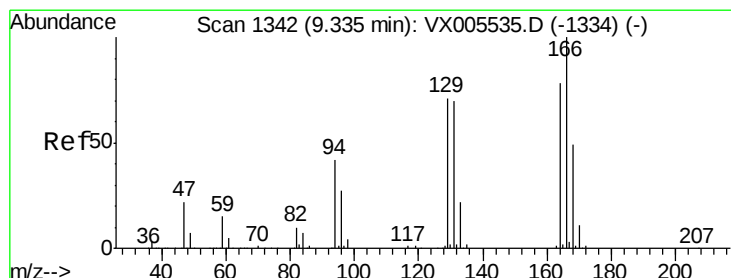
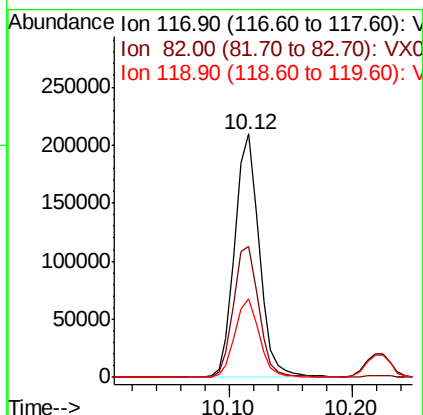
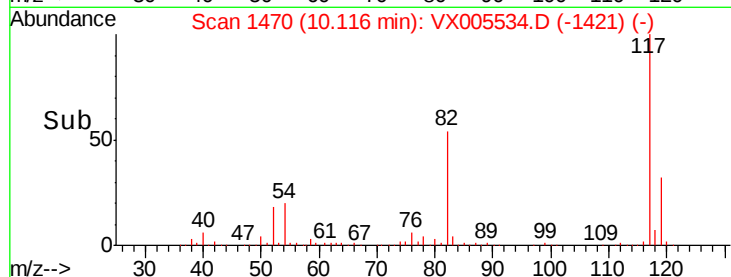
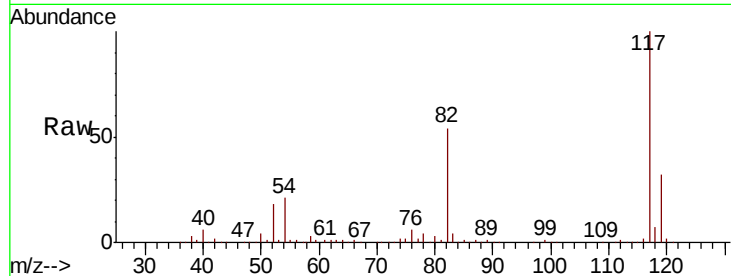
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290336		
82	54.1		44.1	66.1
119	32.4		26.2	39.2

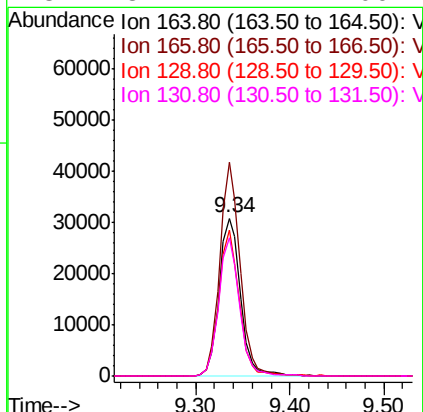
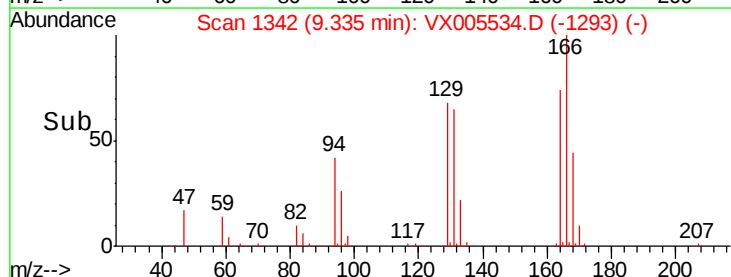
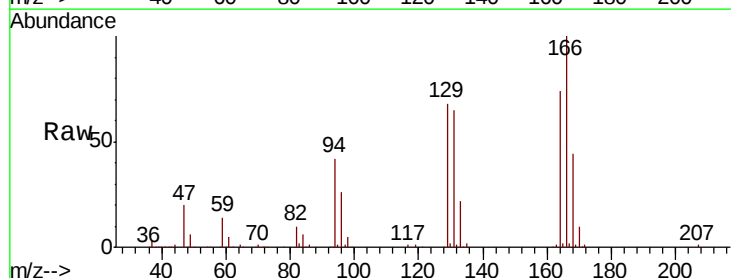
Manual Integrations
APPROVED

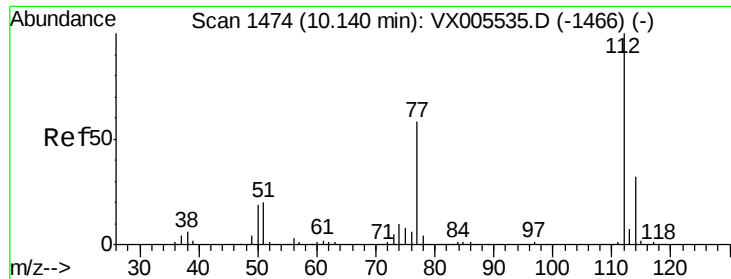
MMDadoda
10/26/2018 11:53:06 AM



#64
Tetrachloroethene
Concen: 19.982 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48161		
166	135.3		101.9	152.9
129	92.4		72.6	109.0
131	87.4		71.1	106.7





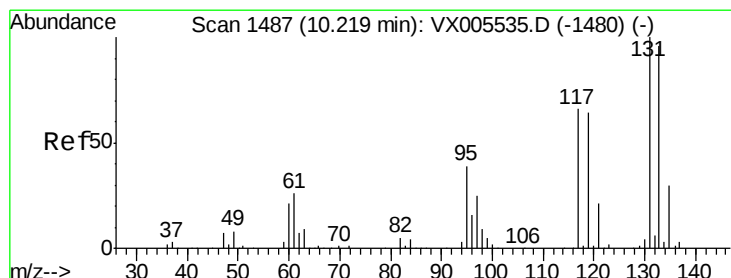
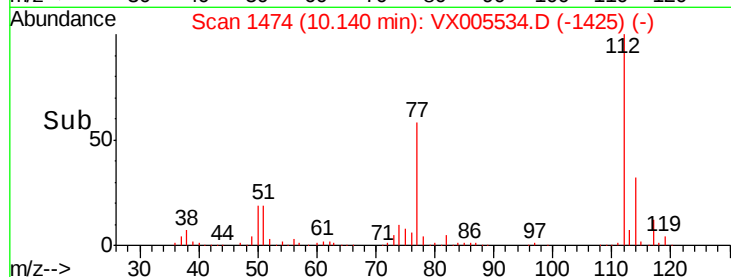
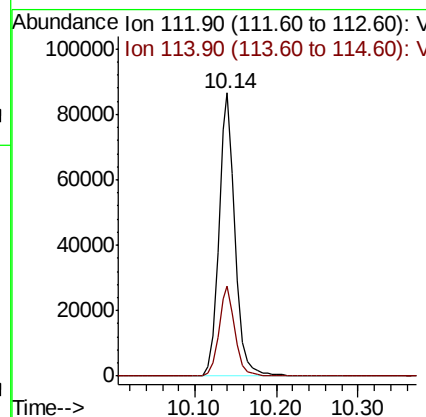
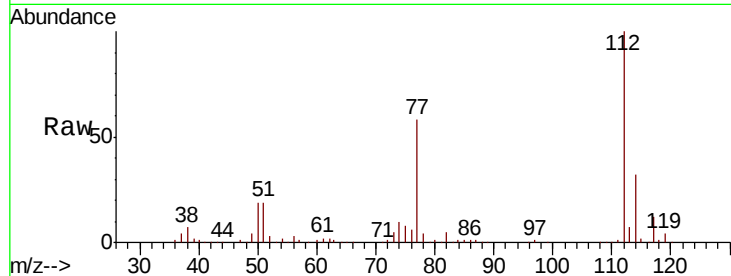
#65
Chlorobenzene
Concen: 19.495 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 120530
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

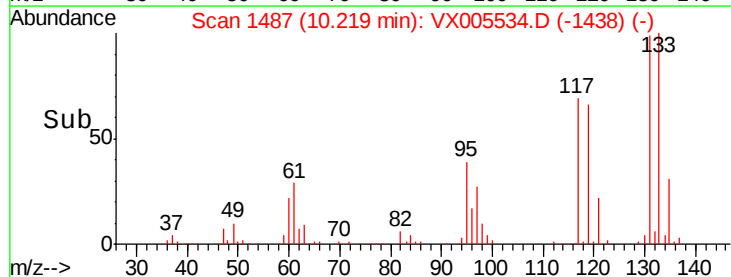
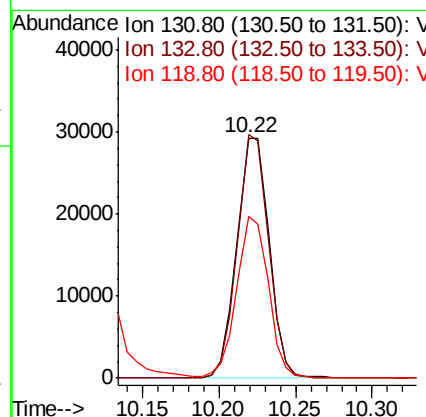
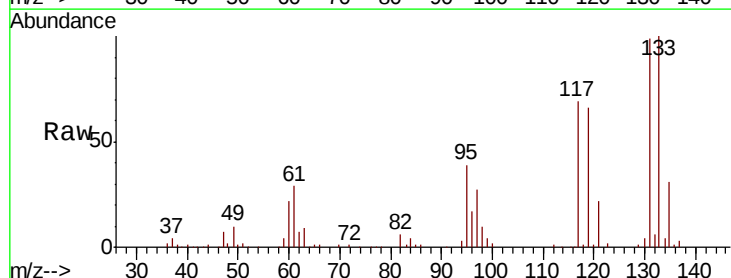
Manual Integrations
APPROVED

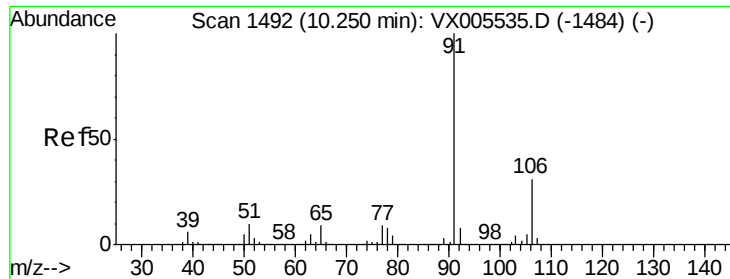
MMDadoda
10/26/2018 11:53:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.029 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion:131 Resp: 42897
Ion Ratio Lower Upper
131 100
133 98.1 47.5 142.5
119 66.2 31.8 95.3





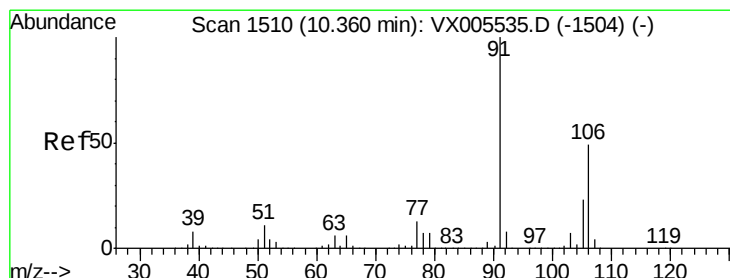
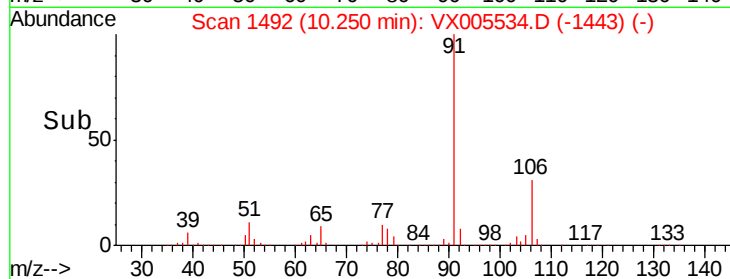
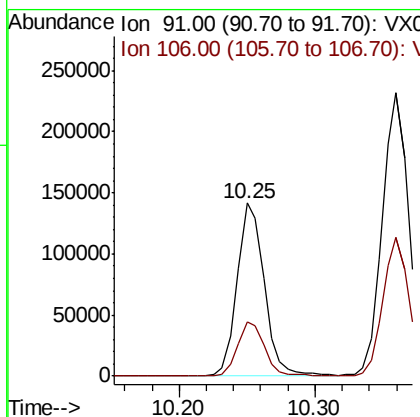
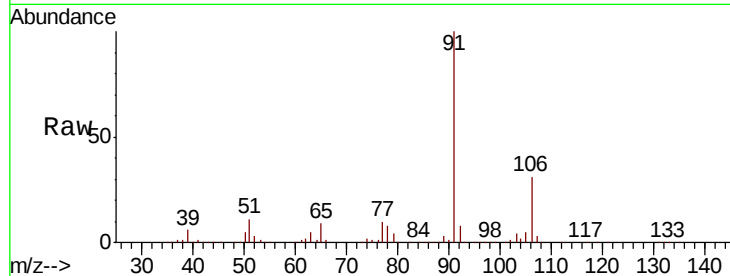
#67
Ethyl Benzene
Concen: 19.387 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 197208
Ion Ratio Lower Upper
91 100
106 31.3 24.4 36.6

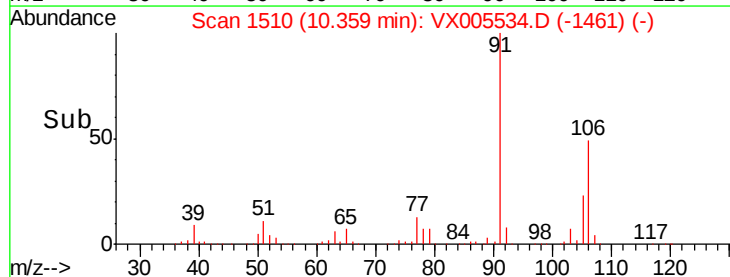
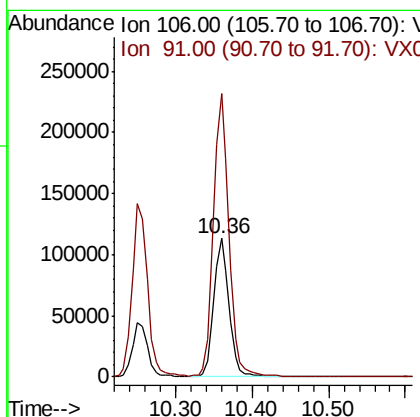
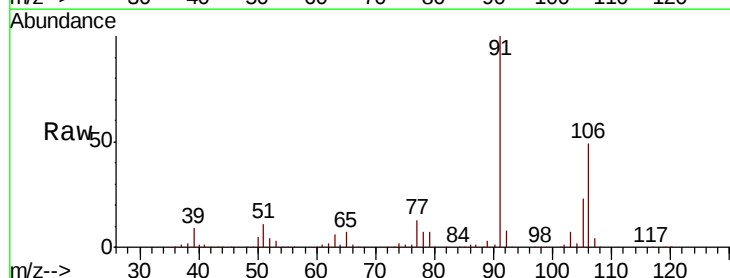
Manual Integrations
APPROVED

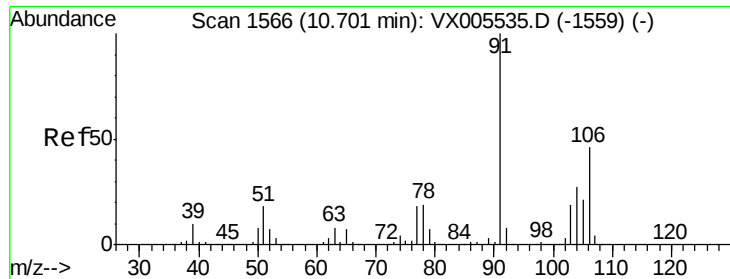
MMDadoda
10/26/2018 11:53:06 AM



#68
m/p-Xylenes
Concen: 39.993 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion: 106 Resp: 157831
Ion Ratio Lower Upper
106 100
91 205.8 164.2 246.4





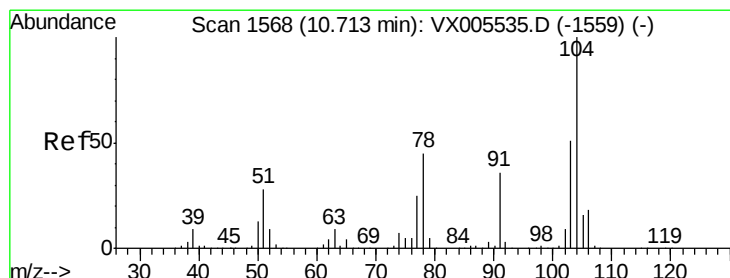
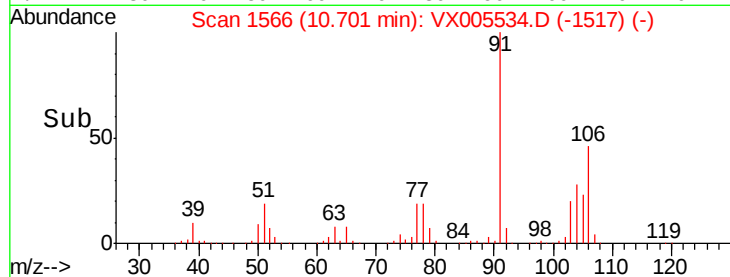
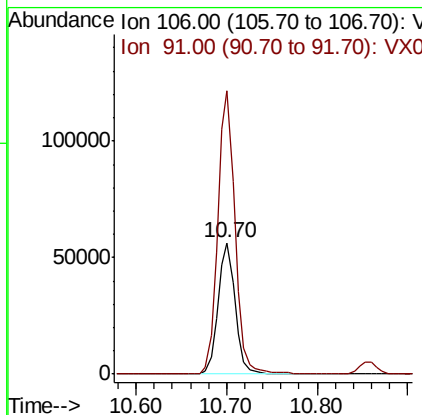
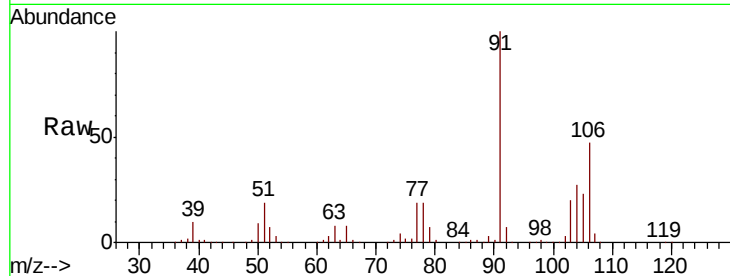
#69
o-Xylene
Concen: 20.107 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 74656
Ion Ratio Lower Upper
106 100
91 216.4 108.5 325.5

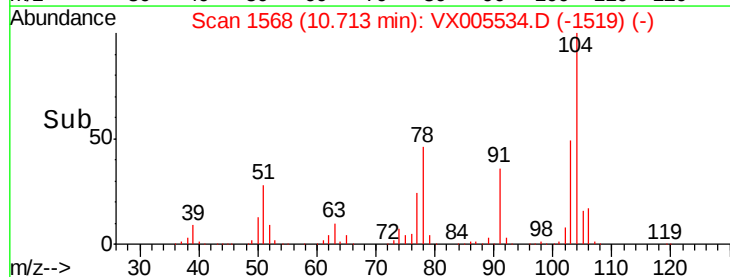
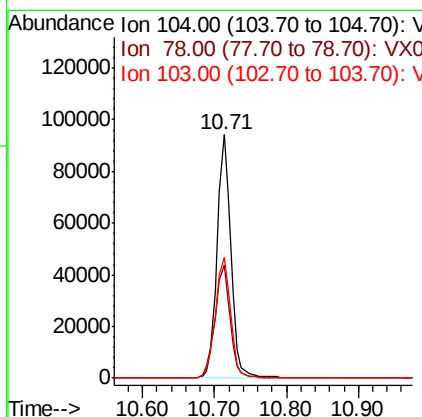
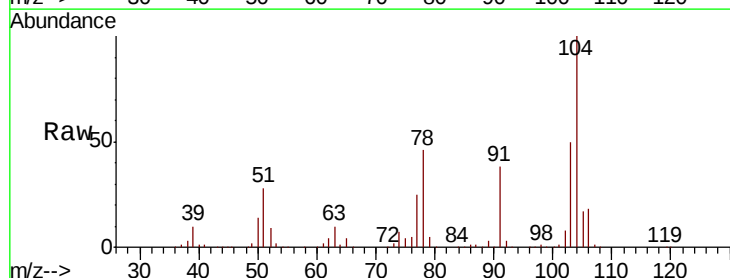
Manual Integrations
APPROVED

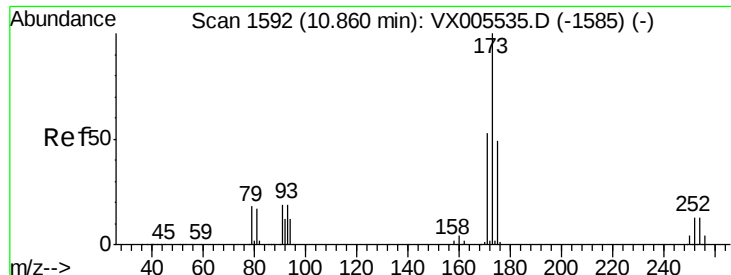
MMDadoda
10/26/2018 11:53:06 AM



#70
Styrene
Concen: 20.153 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion:104 Resp: 125259
Ion Ratio Lower Upper
104 100
78 51.1 40.2 60.4
103 55.1 44.9 67.3





#71

Bromoform

Concen: 18.535 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

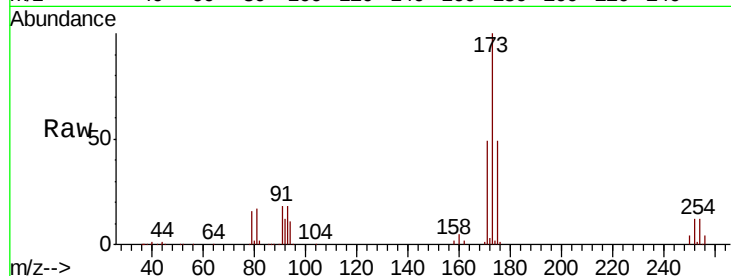
ClientSampleId :

VSTDIC020

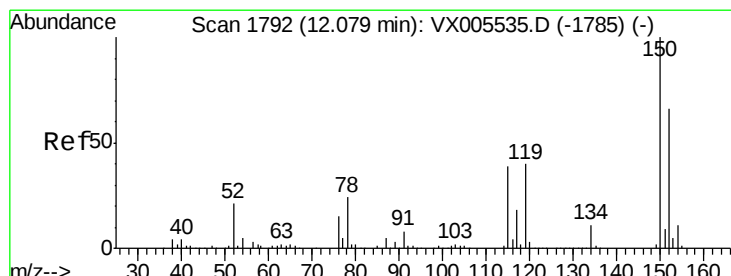
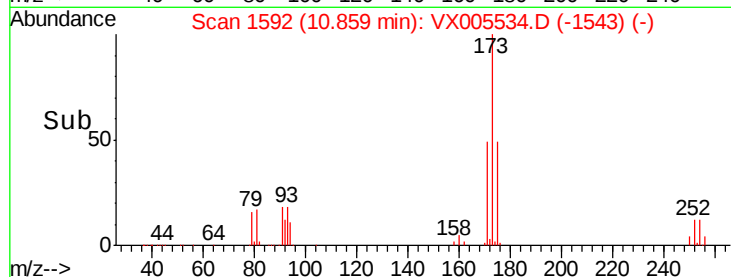
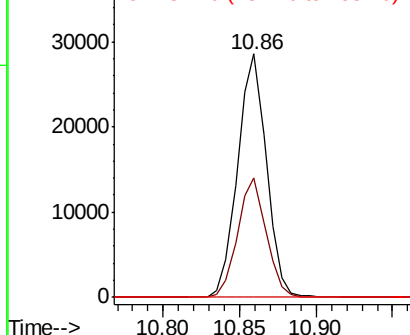
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.8	74.3
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 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: 50.000 ug/l

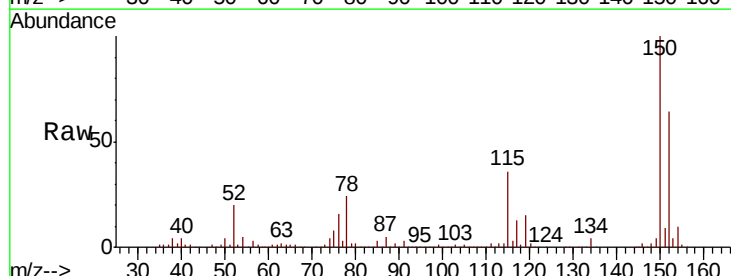
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

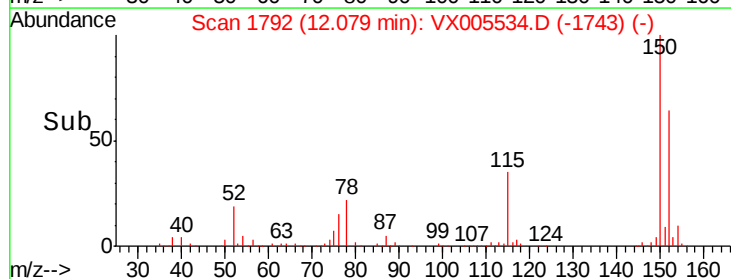
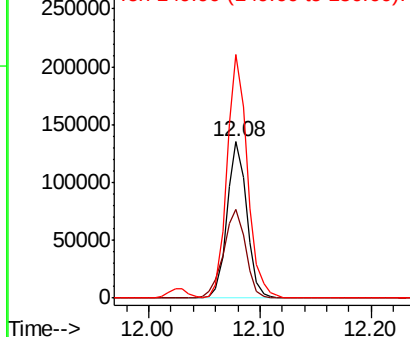
Lab File: VX005534.D

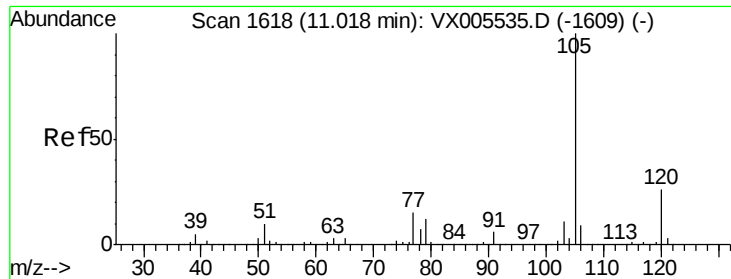
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	39.4	118.1
150	161.5	0.0	346.4



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





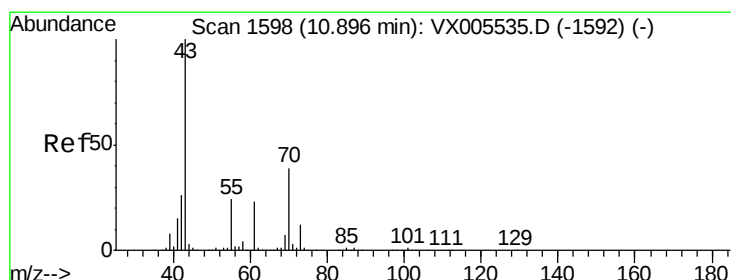
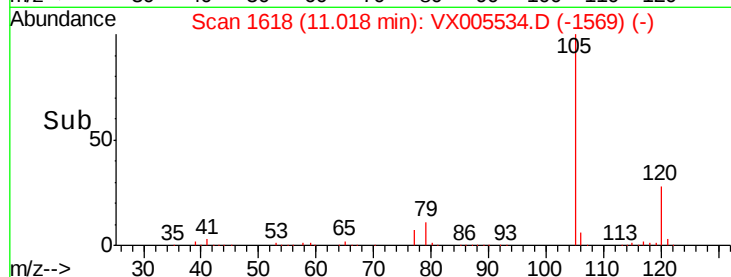
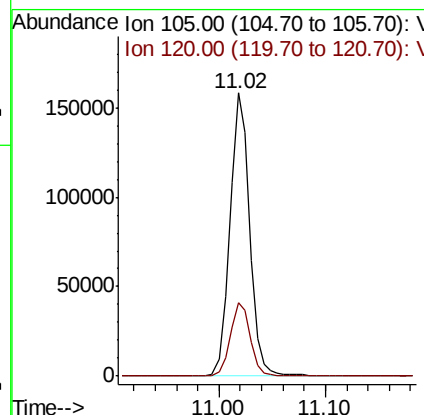
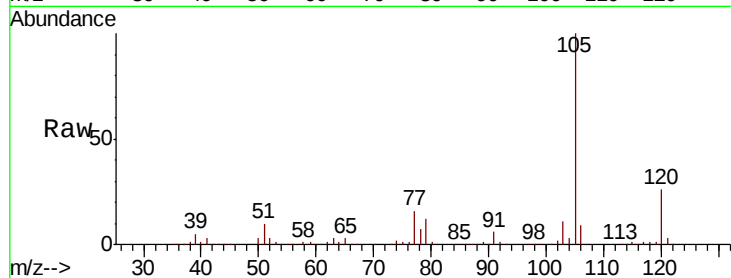
#73
Isopropylbenzene
Concen: 20.392 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

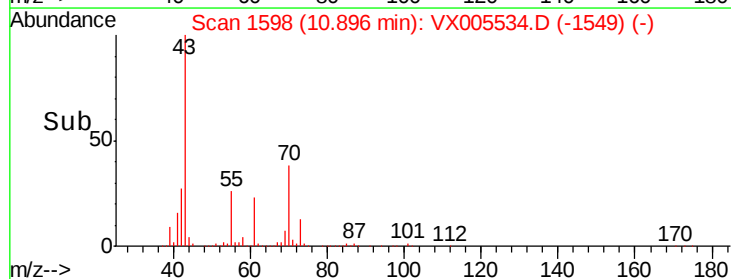
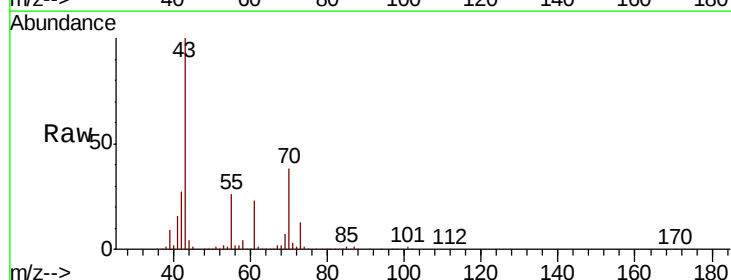
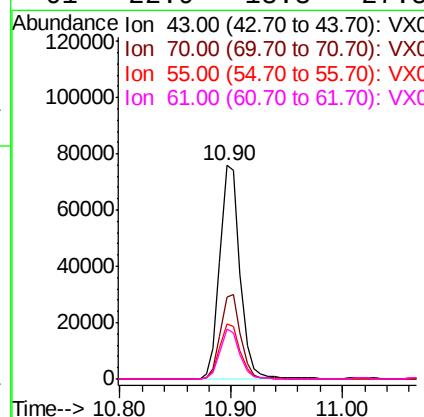
Manual Integrations
APPROVED

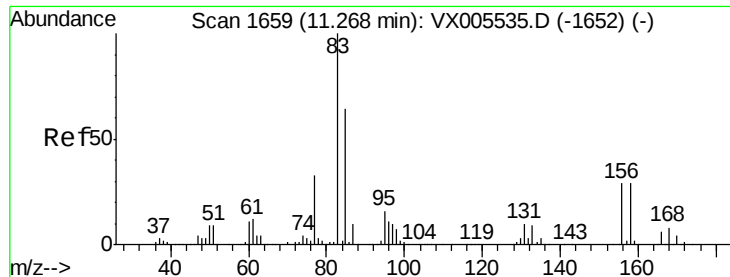
MMDadoda
10/26/2018 11:53:06 AM



#74
N-ethyl acetate
Concen: 19.296 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.6	47.4
55	26.4	19.7	29.5
61	22.9	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.328 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

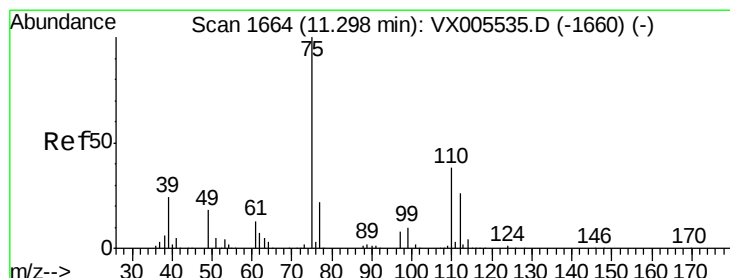
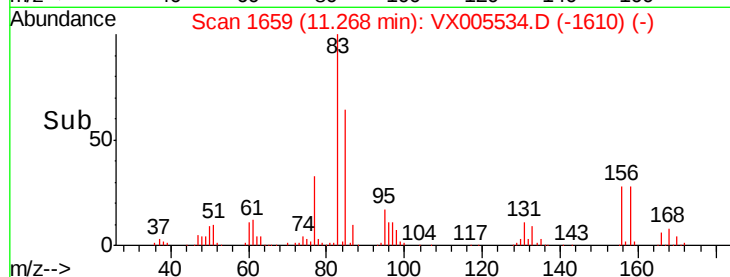
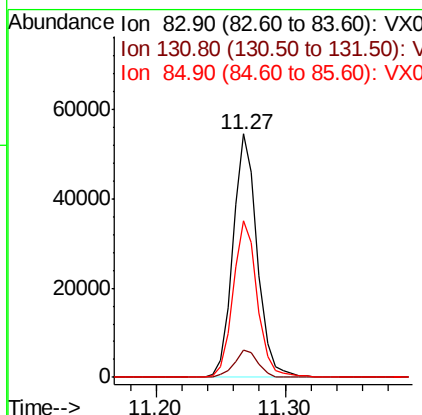
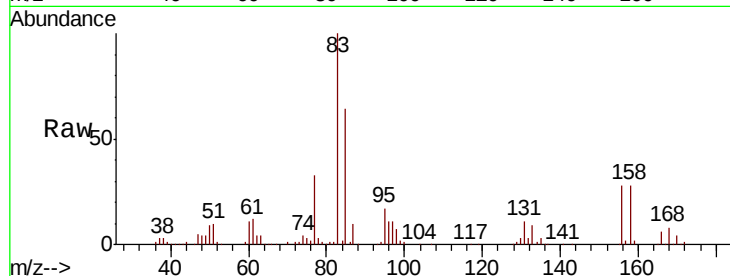
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	71583
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	15.9
85	64.2	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 AM



#76

1,2,3-Trichloropropane

Concen: 19.989 ug/l m

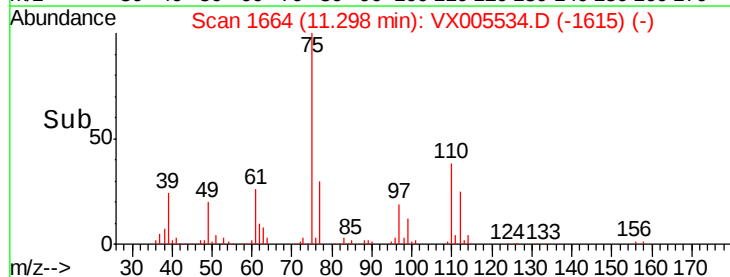
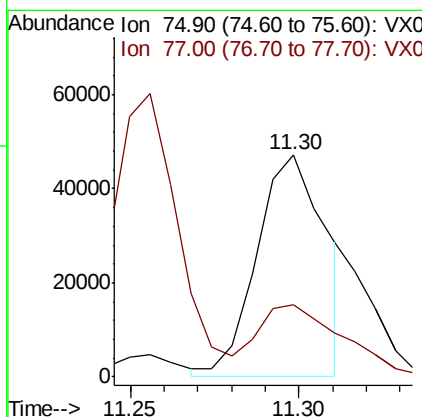
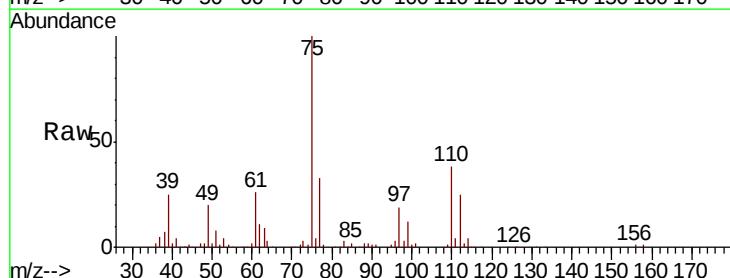
RT: 11.30 min Scan# 1664

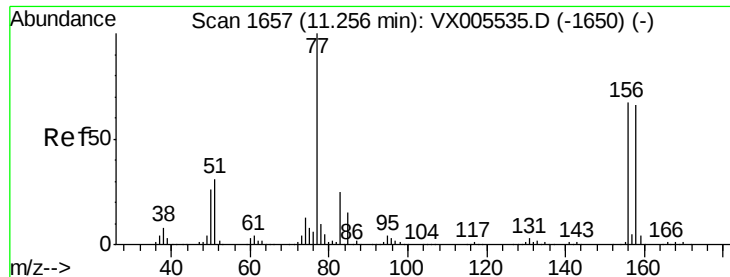
Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Tgt Ion:	75	Resp:	67268
Ion Ratio	Lower	Upper	
75	100		
77	39.9	20.5	61.6





#77

Bromobenzene

Concen: 19.563 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 54732

Ion Ratio Lower Upper

156 100

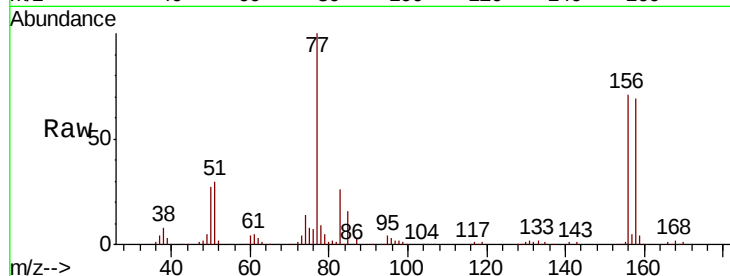
77 148.9 74.8 224.4

158 97.8 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

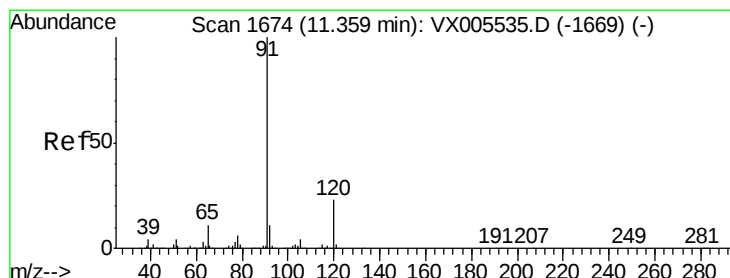
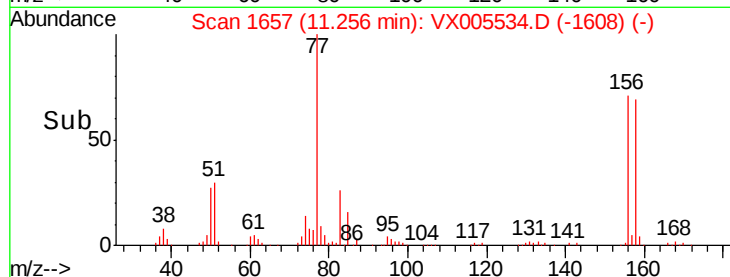
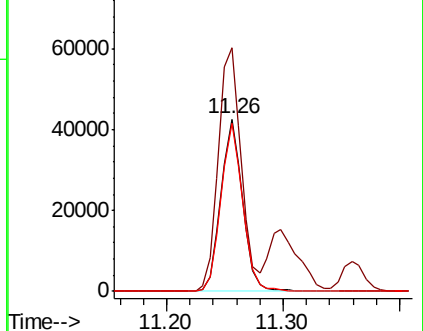
10/26/2018 11:53:06 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.356 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005534.D

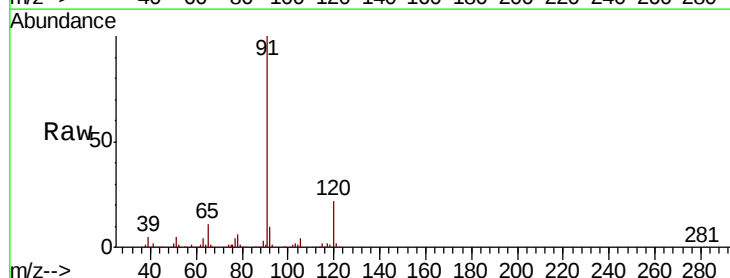
Acq: 24 Oct 2018 11:32

Tgt Ion: 91 Resp: 233670

Ion Ratio Lower Upper

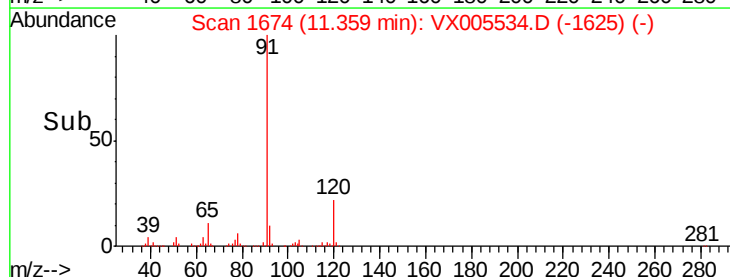
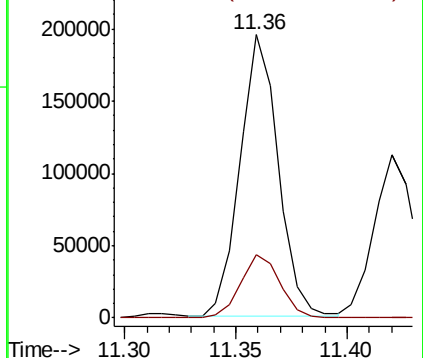
91 100

120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.982 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 142219

Ion Ratio Lower Upper

91 100

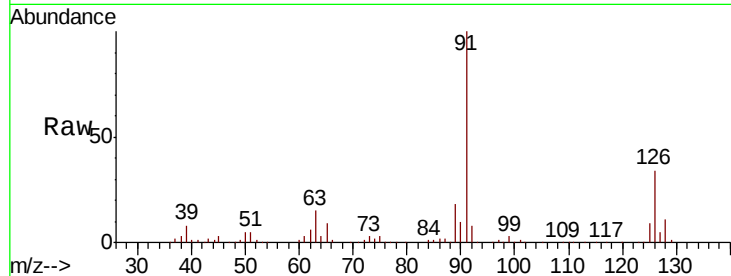
126 35.0 17.3 52.0

Manual Integrations

APPROVED

MMDadoda

10/26/2018 11:53:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005535.D (-1679) (-)

200000

150000

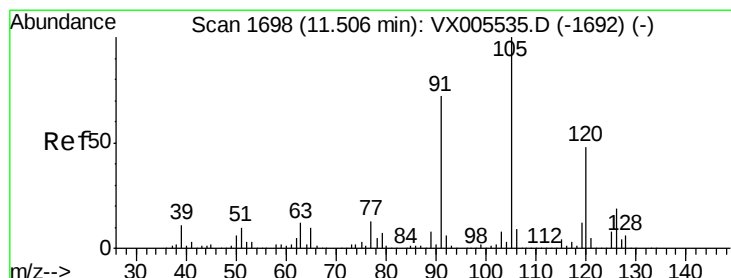
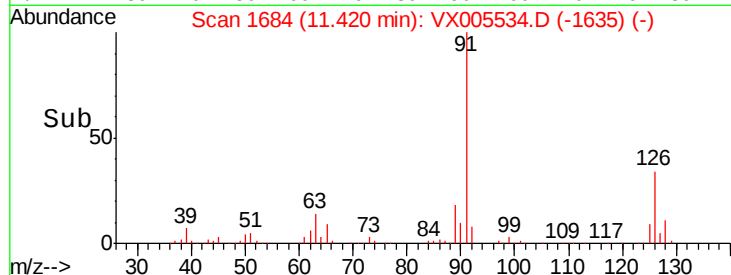
100000

50000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.459 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005534.D

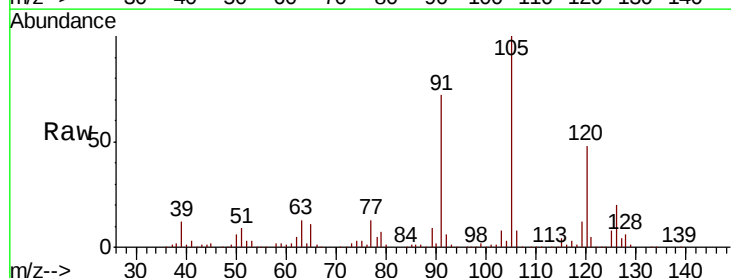
Acq: 24 Oct 2018 11:32

Tgt Ion: 105 Resp: 175693

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005535.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005535.D (-1692) (-)

150000

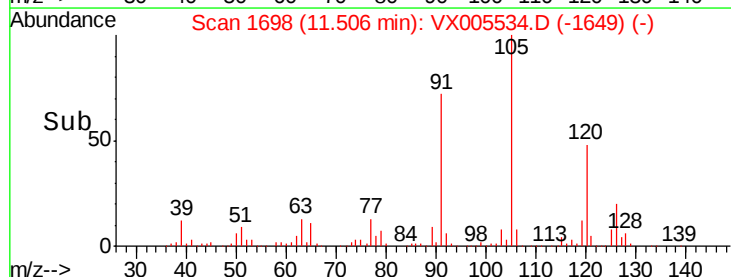
100000

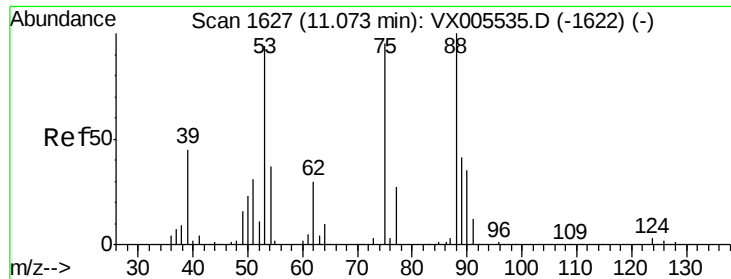
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.778 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 19996

Ion Ratio Lower Upper

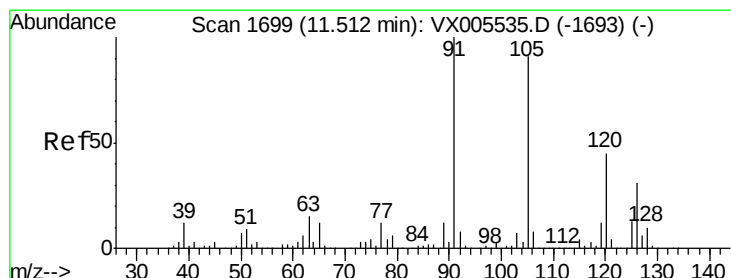
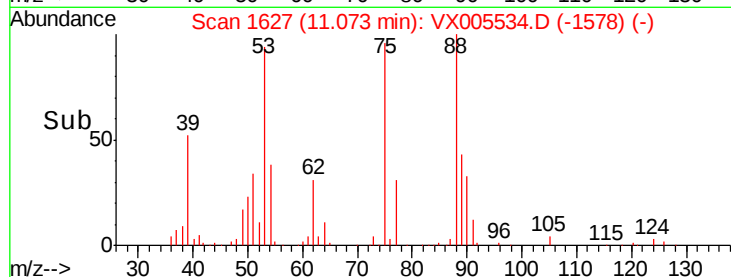
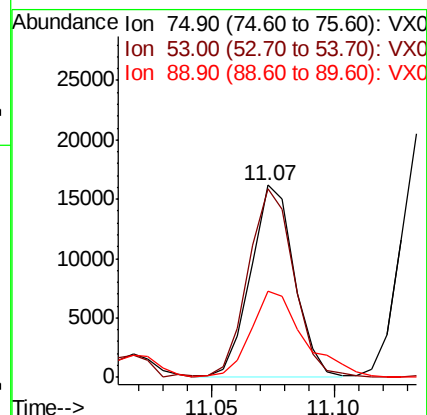
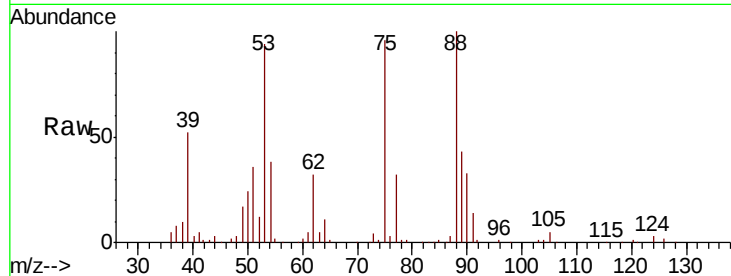
75 100

53 101.7 80.2 120.2

89 54.9 39.8 59.8

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 AM



#82

4-Chlorotoluene

Concen: 19.996 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005534.D

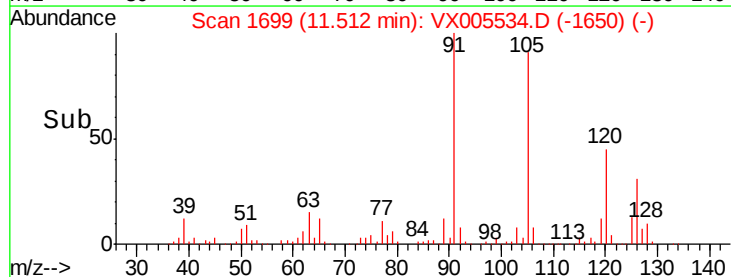
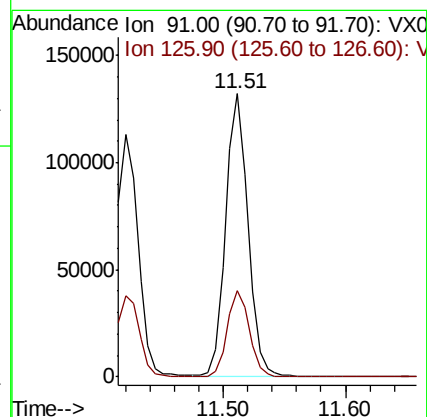
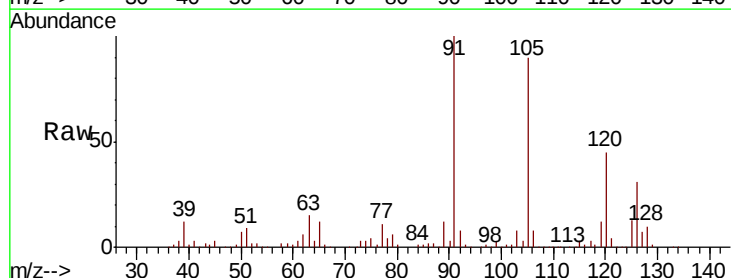
Acq: 24 Oct 2018 11:32

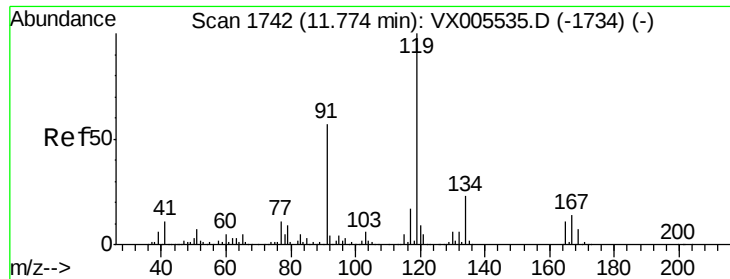
Tgt Ion: 91 Resp: 167815

Ion Ratio Lower Upper

91 100

126 30.4 15.2 45.6





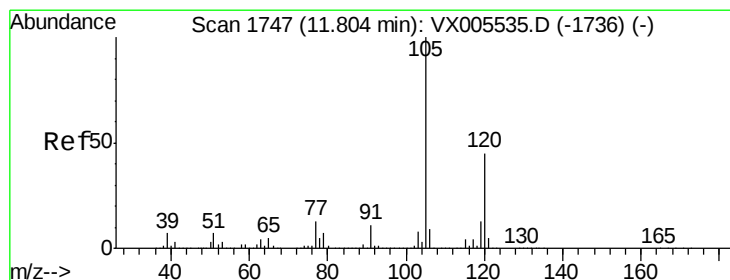
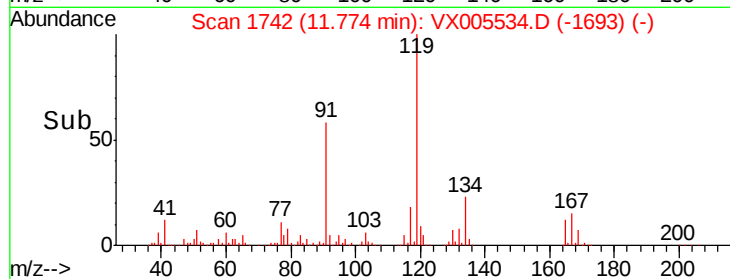
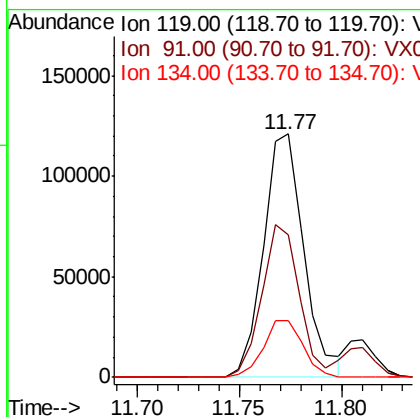
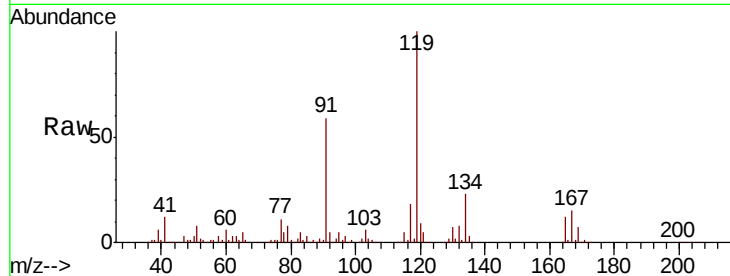
#83
 tert-Butylbenzene
 Concen: 19.567 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	28.5	85.5
134	22.9	11.3	33.8

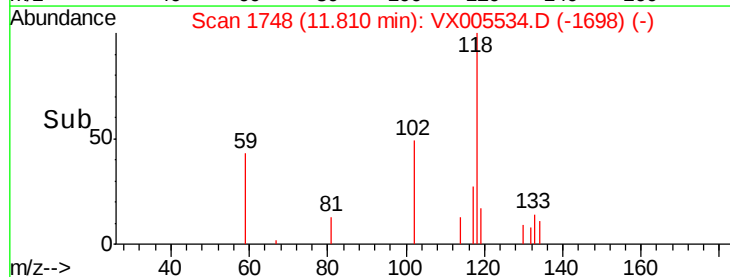
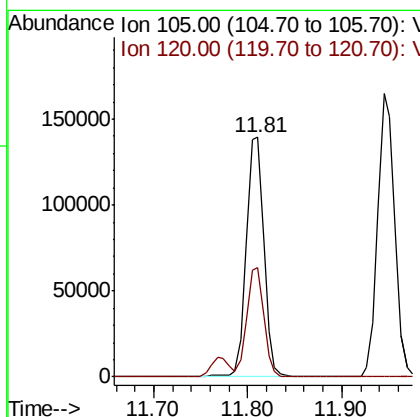
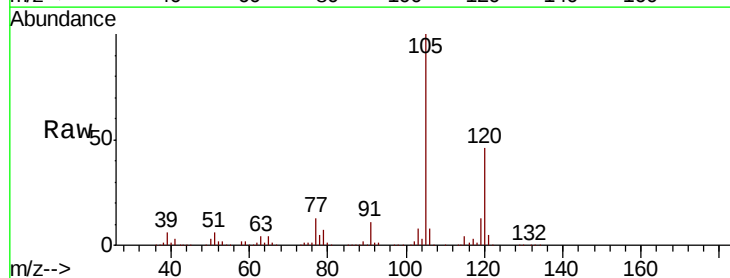
Manual Integrations
 APPROVED

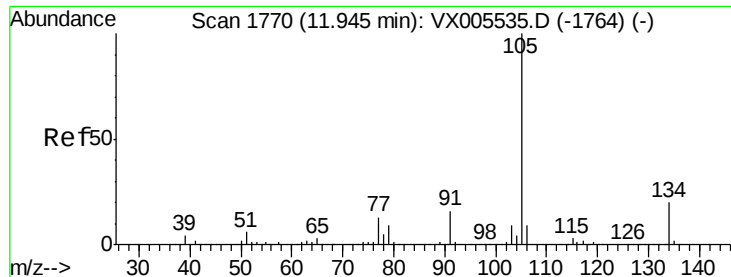
MMDadoda
 10/26/2018 11:53:06 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.840 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.0





#85

sec-Butylbenzene

Concen: 20.200 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 206329

Ion Ratio Lower Upper

105 100

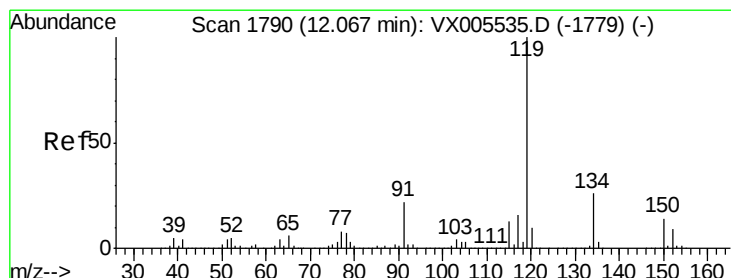
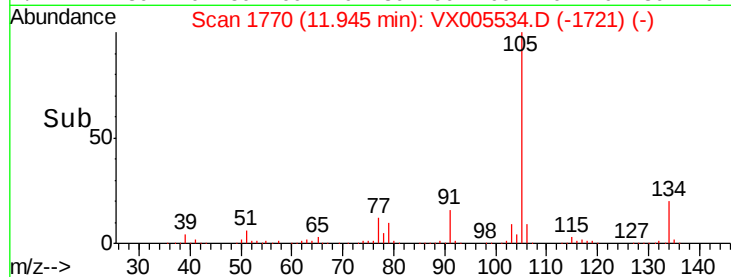
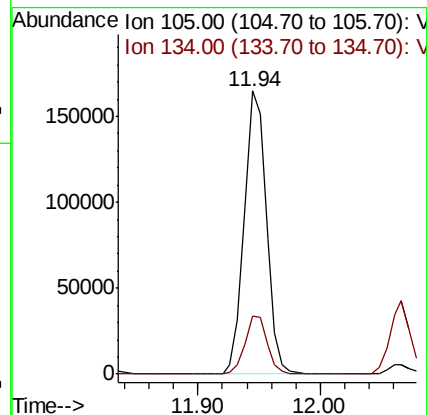
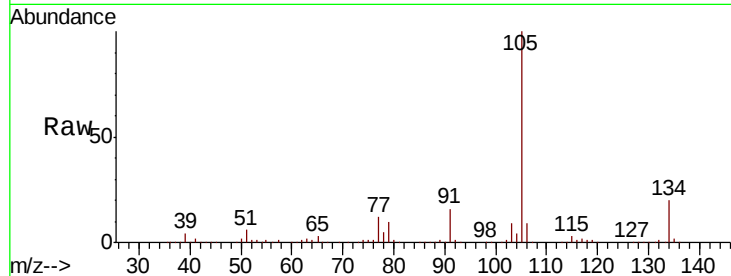
134 20.5 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

10/26/2018 11:53:06 AM



#86

p-Isopropyltoluene

Concen: 20.242 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005534.D

Acq: 24 Oct 2018 11:32

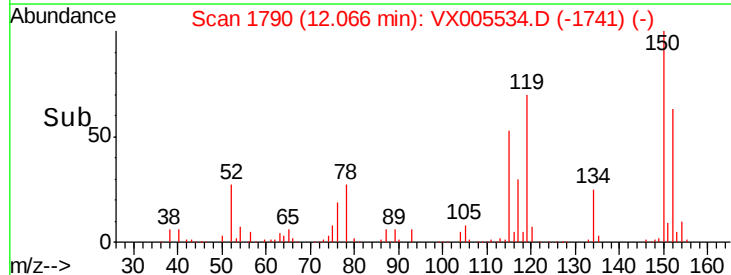
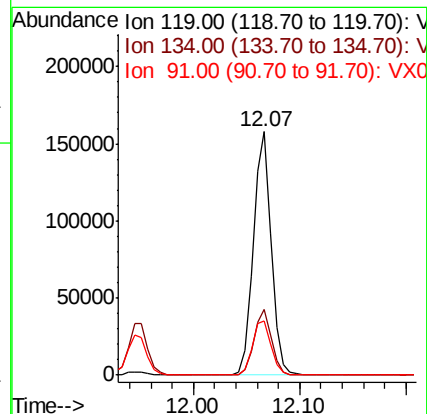
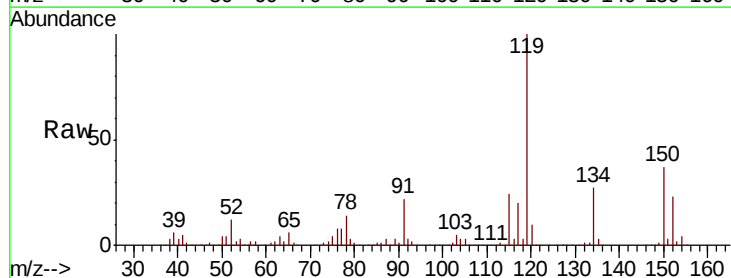
Tgt Ion:119 Resp: 184829

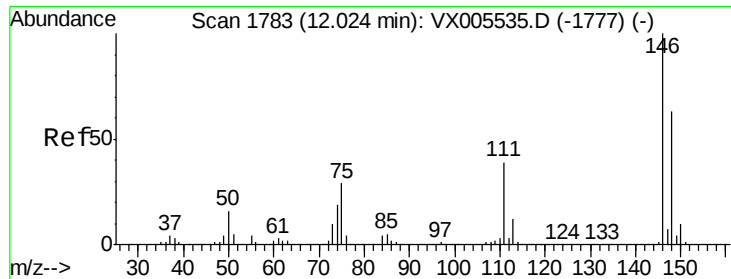
Ion Ratio Lower Upper

119 100

134 26.8 13.0 39.0

91 23.6 11.4 34.2





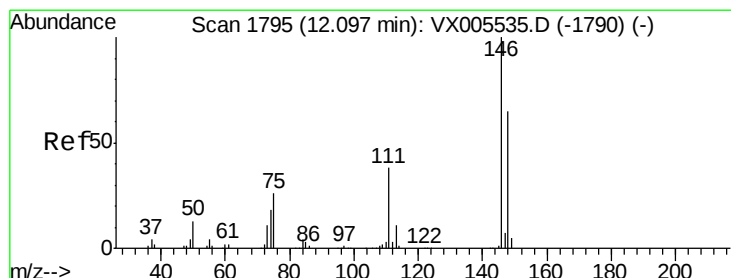
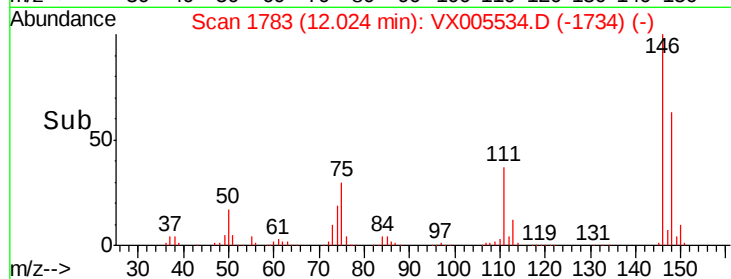
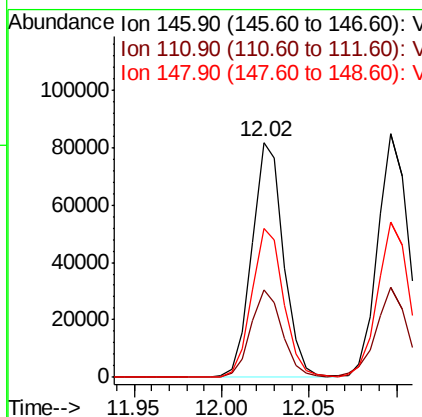
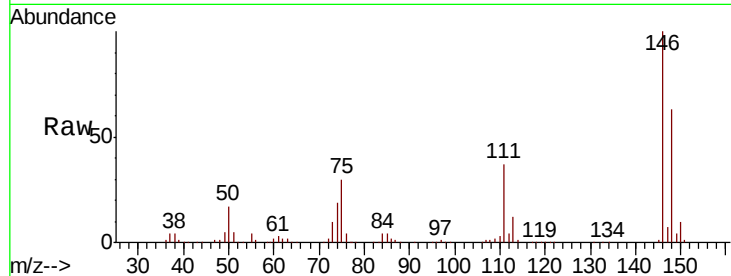
#87
 1,3-Dichlorobenzene
 Concen: 19.495 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.0	57.0
148	63.8	31.9	95.9

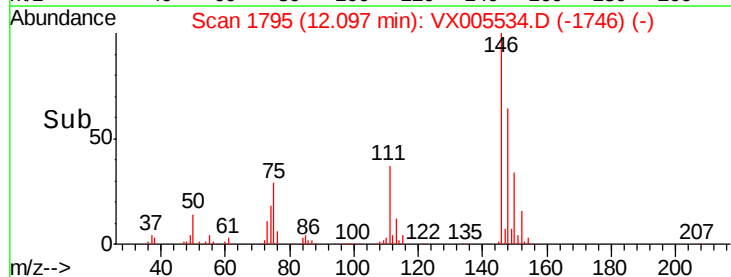
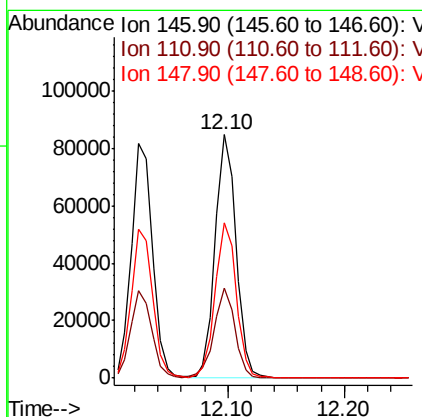
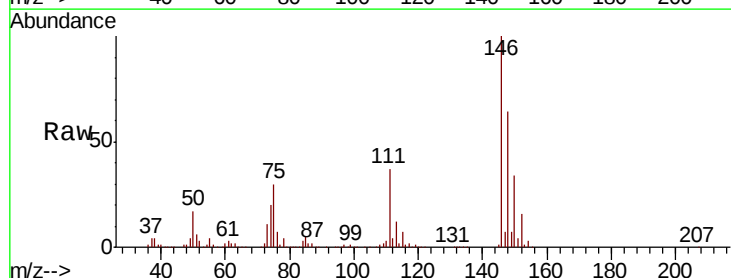
Manual Integrations
 APPROVED

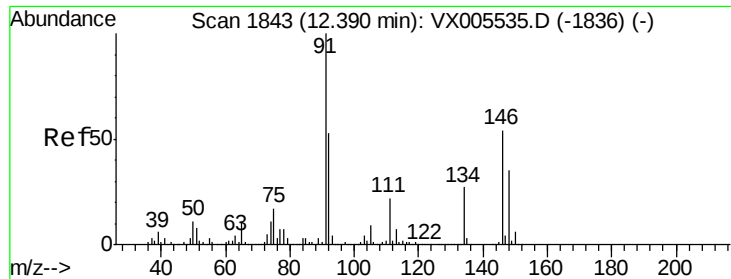
MMDadoda
 10/26/2018 11:53:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.002 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.6	32.1	96.3





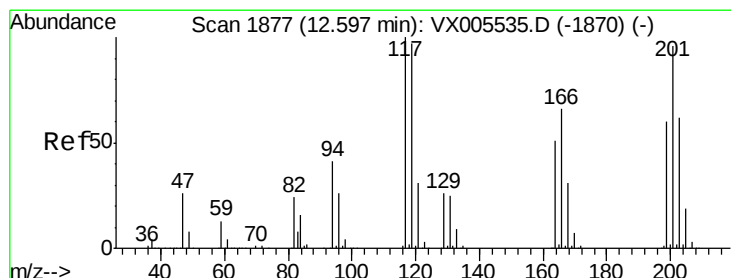
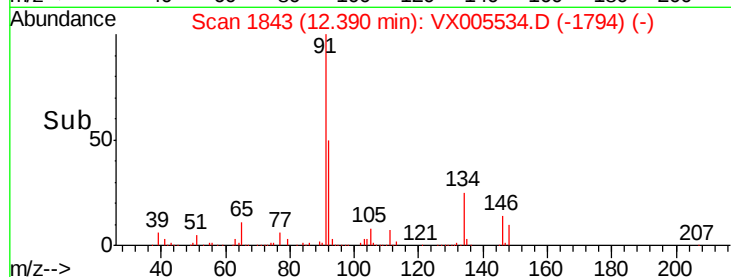
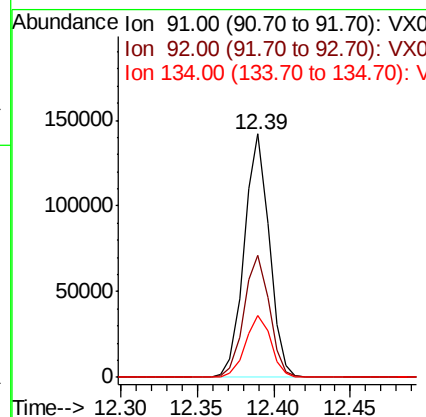
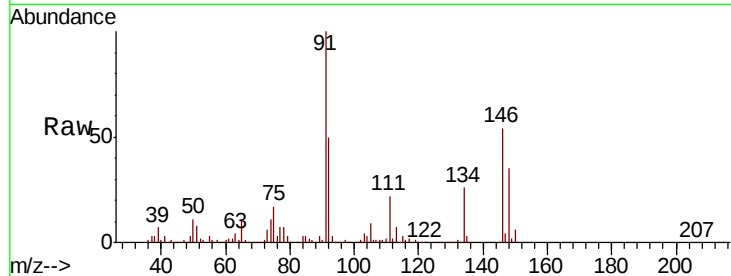
#89
n-Butylbenzene
Concen: 19.534 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.1	78.2
134	25.9	13.1	39.3

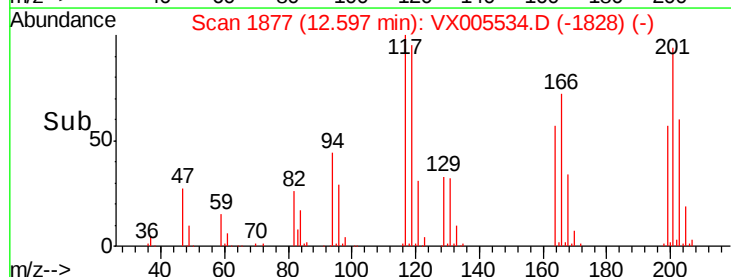
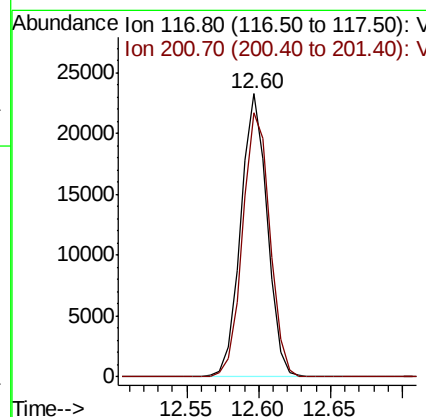
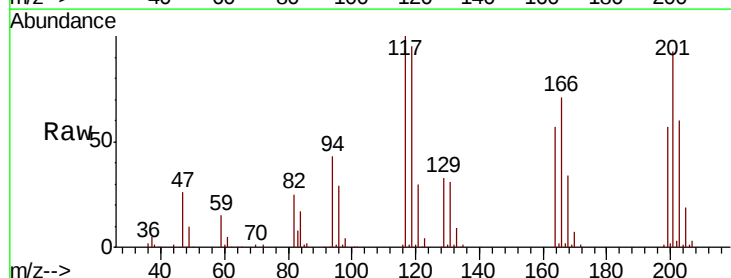
Manual Integrations
APPROVED

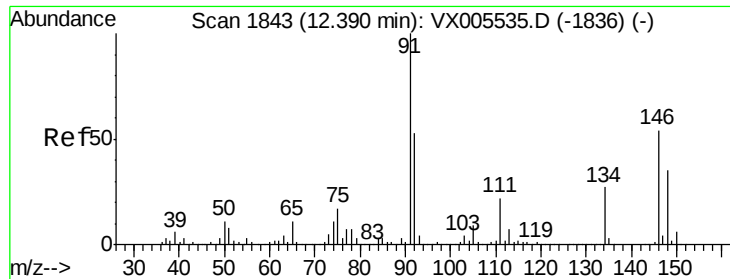
MMDadoda
10/26/2018 11:53:06 AM



#90
Hexachloroethane
Concen: 18.979 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.1	47.9	143.6





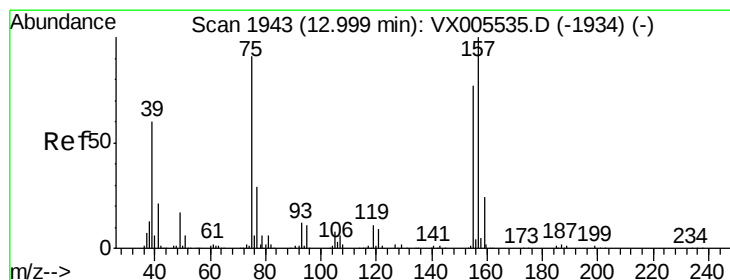
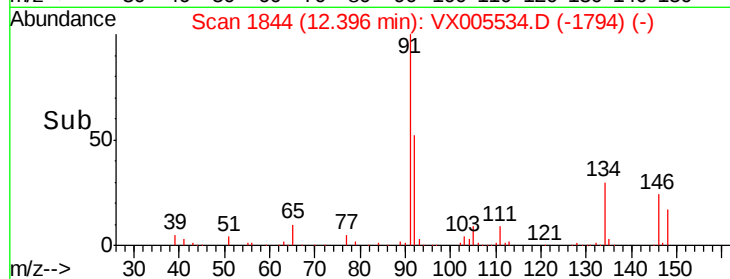
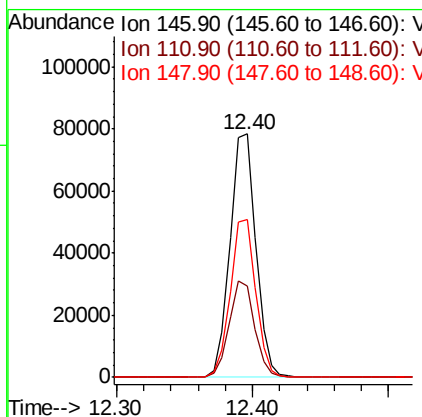
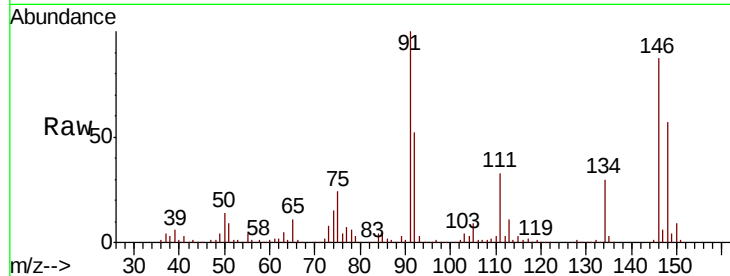
#91
 1,2-Dichlorobenzene
 Concen: 19.510 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	59.9
148	64.0	32.2	96.6

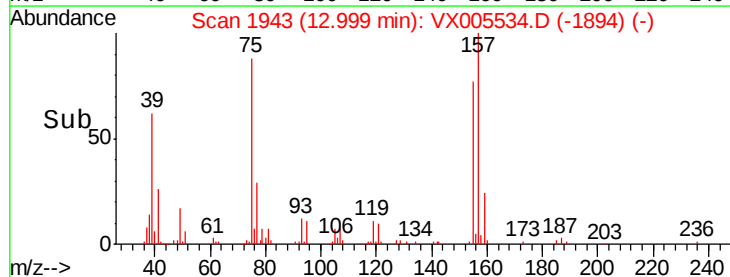
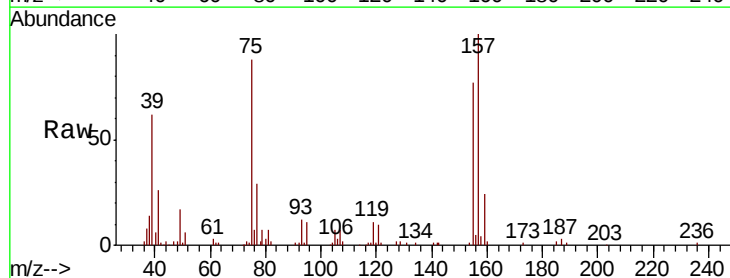
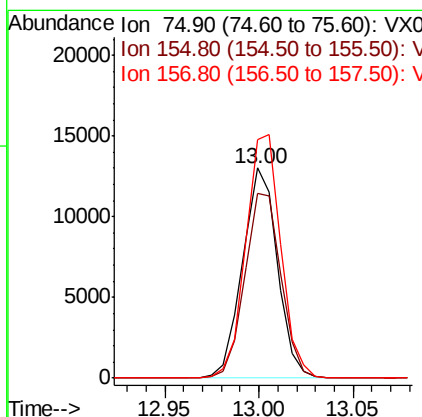
Manual Integrations
 APPROVED

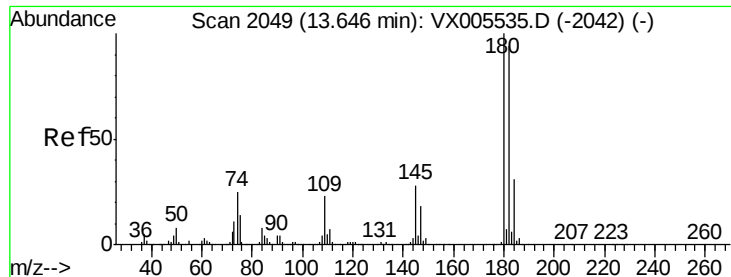
MMDadoda
 10/26/2018 11:53:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.650 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	45.4	136.1
157	116.7	57.4	172.0





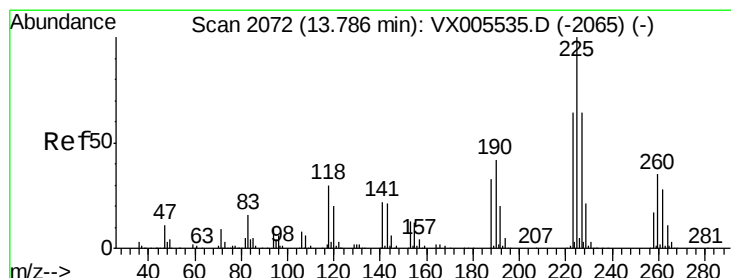
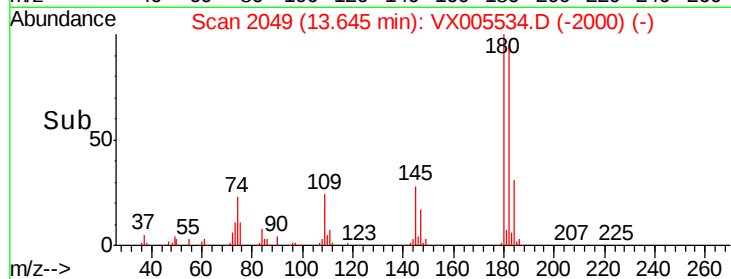
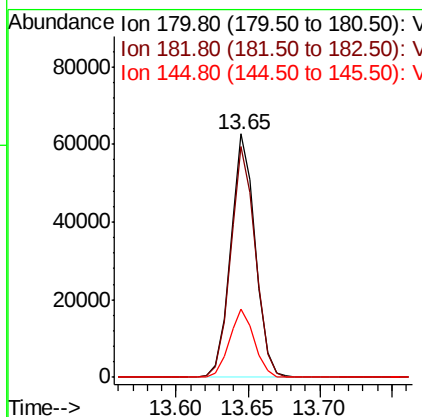
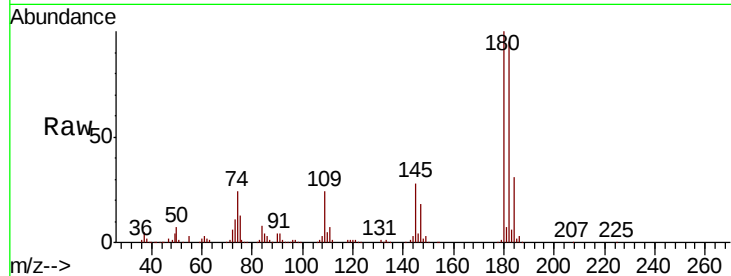
#93
 1,2,4-Trichlorobenzene
 Concen: 19.361 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.8
145	28.2	14.1	42.2

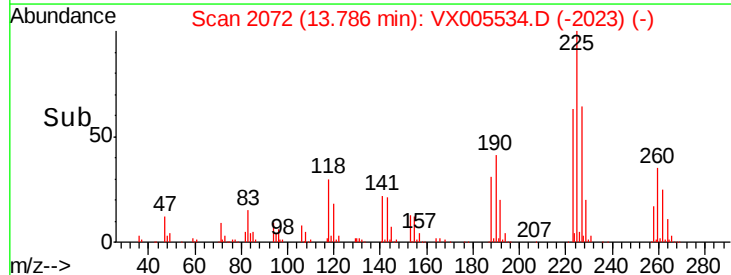
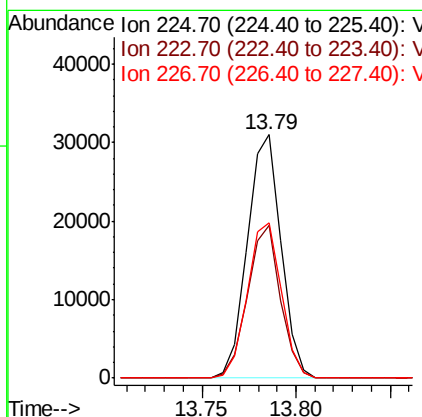
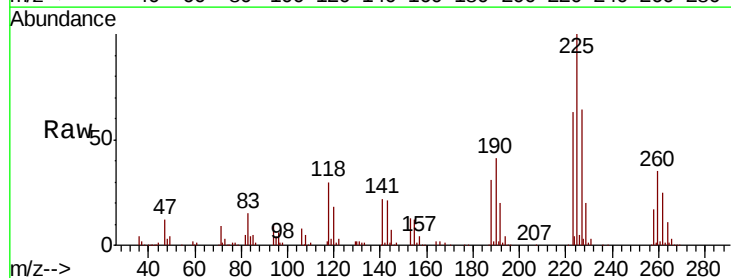
Manual Integrations
 APPROVED

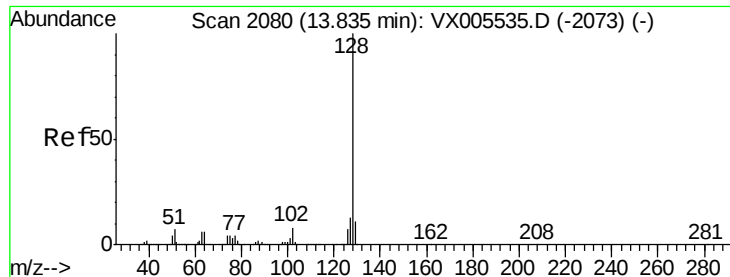
MMDadoda
 10/26/2018 11:53:06 AM



#94
 Hexachlorobutadiene
 Concen: 19.174 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005534.D
 Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.7	95.1
227	64.5	32.3	96.9





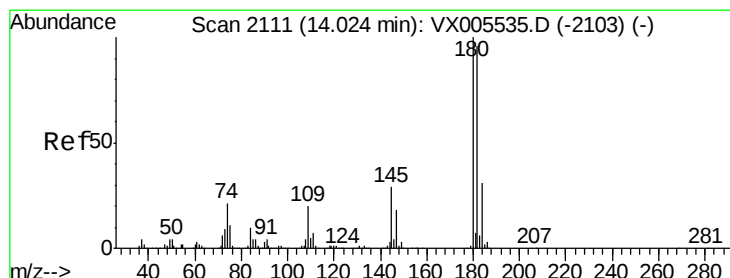
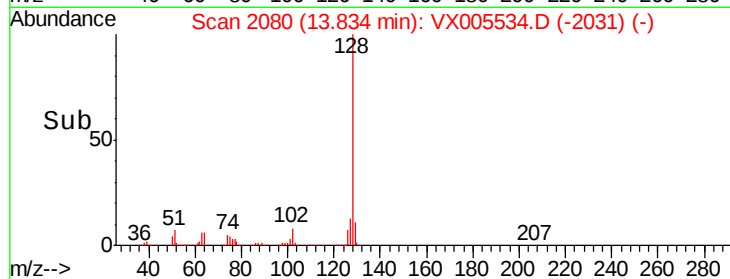
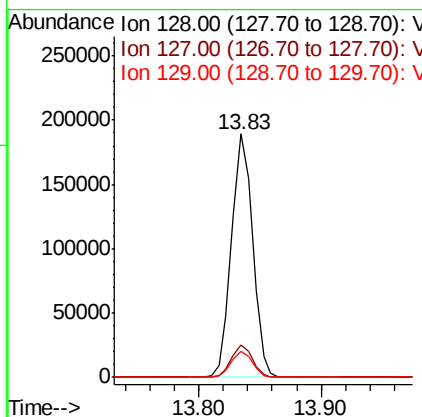
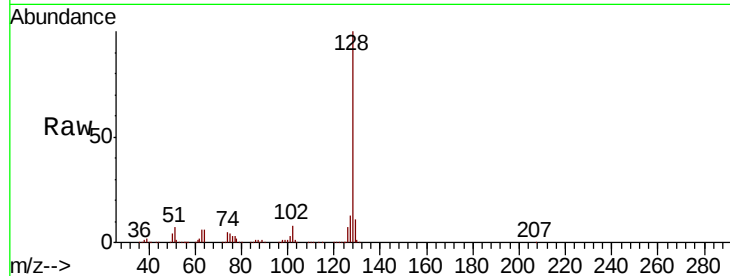
#95
Naphthalene
Concen: 20.146 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.839 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005534.D
Acq: 24 Oct 2018 11:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	29.6	15.1	45.3

