

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013615.D
 Acq On : 26 Nov 2019 22:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/27/2019 3:45:43 PM

Quant Time: Nov 27 04:37:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	686978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1046555	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	942864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	480409	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	372695	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	5.49	113	312152	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
50) Toluene-d8	8.71	98	1198682	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	11.14	95	428226	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	398320	52.092	ug/l	99
3) Chloromethane	1.32	50	430827	50.214	ug/l	100
4) Vinyl Chloride	1.40	62	493709	51.125	ug/l	98
5) Bromomethane	1.63	94	312646	48.209	ug/l	99
6) Chloroethane	1.71	64	262271	47.727	ug/l	97
7) Trichlorofluoromethane	1.92	101	525486	49.005	ug/l	97
8) Diethyl Ether	2.18	74	238089	49.078	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	316134	48.267	ug/l	98
10) Methyl Iodide	2.50	142	398778	50.332	ug/l	99
11) Tert butyl alcohol	3.03	59	488110	247.985	ug/l	100
12) 1,1-Dichloroethene	2.36	96	323878	49.540	ug/l	98
13) Acrolein	2.28	56	304850	232.030	ug/l	99
14) Allyl chloride	2.72	41	578580	48.766	ug/l	100
15) Acrylonitrile	3.13	53	1023046	251.800	ug/l	100
16) Acetone	2.43	43	898379	228.189	ug/l	99
17) Carbon Disulfide	2.56	76	873658	46.877	ug/l	98
18) Methyl Acetate	2.76	43	576296	52.567	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	1088119	50.241	ug/l	98
20) Methylene Chloride	2.84	84	365498	48.323	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	346244	48.615	ug/l	99
22) Diisopropyl ether	3.84	45	1129206	49.428	ug/l	99
23) Vinyl Acetate	3.80	43	4749561	249.912	ug/l	100
24) 1,1-Dichloroethane	3.69	63	615141	49.256	ug/l	99
25) 2-Butanone	4.66	43	1462114	249.886	ug/l	98
26) 2,2-Dichloropropane	4.57	77	467473	45.242	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	392305	47.964	ug/l	99
28) Bromochloromethane	5.00	49	243041	49.245	ug/l	100
29) Tetrahydrofuran	5.11	42	943043	261.446	ug/l	99
30) Chloroform	5.20	83	609188	48.098	ug/l	99
31) Cyclohexane	5.57	56	563805	47.864	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	523122	49.425	ug/l	99
36) 1,1-Dichloropropene	5.79	75	462974	48.734	ug/l	99
37) Ethyl Acetate	4.82	43	556379	52.205	ug/l	99
38) Carbon Tetrachloride	5.78	117	447743	51.113	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112619\
 Data File : VX013615.D
 Acq On : 26 Nov 2019 22:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/27/2019 3:45:43 PM

Quant Time: Nov 27 04:37:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	572589	48.760	ug/l	98
40) Benzene	6.14	78	1419431	49.057	ug/l	100
41) Methacrylonitrile	5.03	41	308510	52.783	ug/l	99
42) 1,2-Dichloroethane	6.19	62	488469	49.502	ug/l	99
43) Isopropyl Acetate	6.43	43	902761	51.451	ug/l	99
44) Trichloroethene	7.21	130	383009	48.233	ug/l	94
45) 1,2-Dichloropropane	7.51	63	362007	50.006	ug/l	97
46) Dibromomethane	7.65	93	240032	48.820	ug/l	100
47) Bromodichloromethane	7.89	83	464442	49.968	ug/l	99
48) Methyl methacrylate	7.76	41	444418	52.130	ug/l	99
49) 1,4-Dioxane	7.73	88	200150	1048.866	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2846108	257.875	ug/l	100
52) Toluene	8.78	92	888895	49.452	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	528477	49.951	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	583318	50.466	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	363162	50.136	ug/l	97
56) Ethyl methacrylate	9.17	69	608015	52.209	ug/l	99
57) 1,3-Dichloropropane	9.37	76	610413	48.889	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1156696	253.325	ug/l	100
59) 2-Hexanone	9.49	43	2216908	257.545	ug/l	100
60) Dibromochloromethane	9.58	129	388139	51.632	ug/l	100
61) 1,2-Dibromoethane	9.67	107	382260	49.410	ug/l	99
64) Tetrachloroethene	9.33	164	346127	49.227	ug/l	98
65) Chlorobenzene	10.14	112	960065	49.043	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	361938	51.489	ug/l	99
67) Ethyl Benzene	10.25	91	1698731	50.499	ug/l	99
68) m/p-Xylenes	10.36	106	1303910	101.245	ug/l	99
69) o-Xylene	10.70	106	628921	50.071	ug/l	98
70) Styrene	10.71	104	1092354	51.699	ug/l	99
71) Bromoform	10.85	173	302005	51.924	ug/l #	99
73) Isopropylbenzene	11.01	105	1651904	49.020	ug/l	100
74) N-amyl acetate	10.89	43	789560	51.147	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	587658	50.285	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	464123m	42.953	ug/l	
77) Bromobenzene	11.25	156	443665	48.734	ug/l	99
78) n-propylbenzene	11.35	91	1863462	49.536	ug/l	99
79) 2-Chlorotoluene	11.42	91	1106456	49.032	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1384791	50.139	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	196683	49.799	ug/l	98
82) 4-Chlorotoluene	11.51	91	1268309	48.526	ug/l	100
83) tert-Butylbenzene	11.77	119	1400910	49.909	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1406041	50.161	ug/l	99
85) sec-Butylbenzene	11.94	105	1588575	49.548	ug/l	100
86) p-Isopropyltoluene	12.06	119	1489142	49.927	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	769615	48.496	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	765814	47.377	ug/l	99
89) n-Butylbenzene	12.39	91	1275386	50.135	ug/l	100
90) Hexachloroethane	12.59	117	264623	49.084	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	769392	49.069	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	131071	51.503	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
Data File : VX013615.D
Acq On : 26 Nov 2019 22:02
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM

Quant Time: Nov 27 04:37:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	533422	48.814	ug/l	99
94) Hexachlorobutadiene	13.78	225	241622	46.028	ug/l	98
95) Naphthalene	13.83	128	1720661	52.874	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	539924	49.902	ug/l	100

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

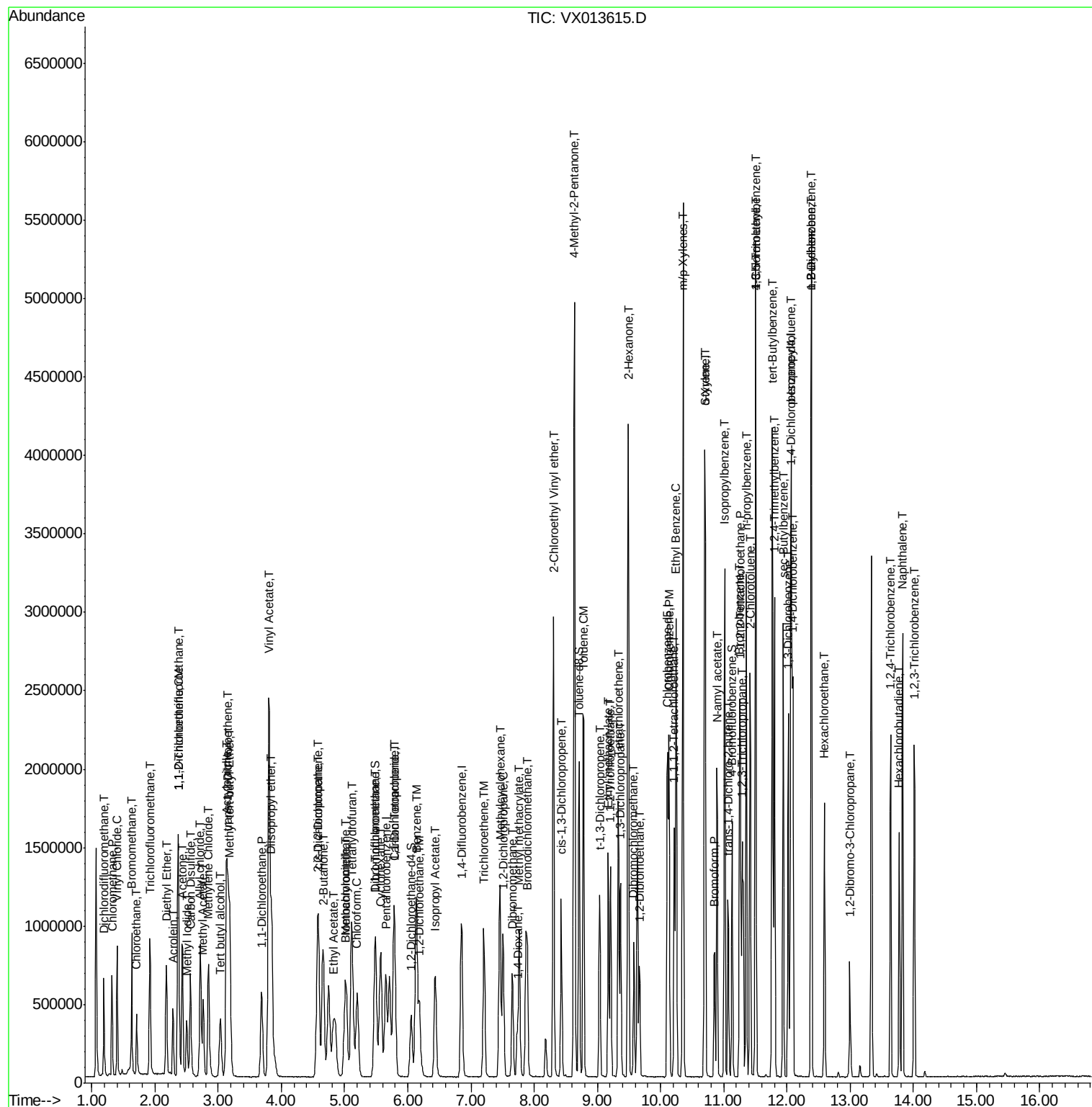
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013615.D
 Acq On : 26 Nov 2019 22:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

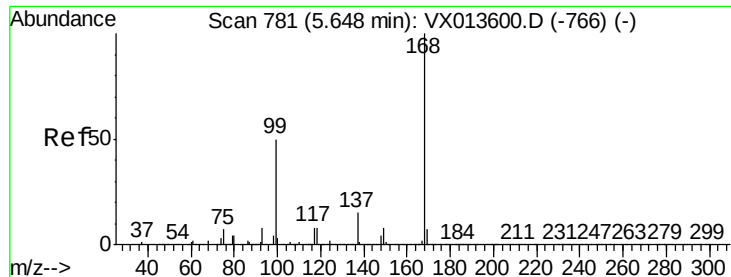
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/27/2019 3:45:43 PM

Quant Time: Nov 27 04:37:05 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 686978

Ion Ratio Lower Upper

168 100

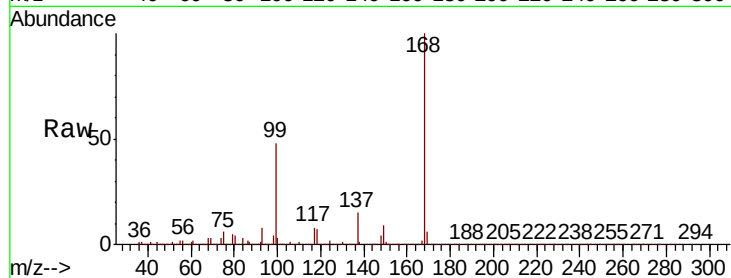
99 48.2 39.8 59.8

Manual Integrations

APPROVED

apatel

11/27/2019 3:45:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

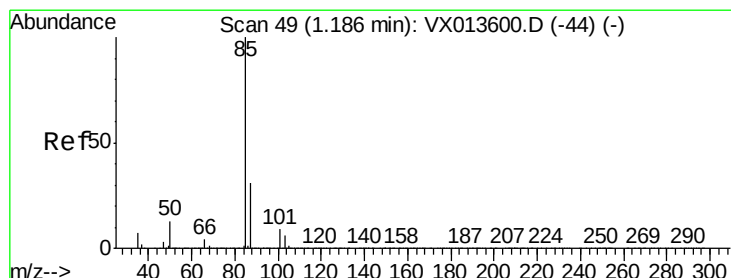
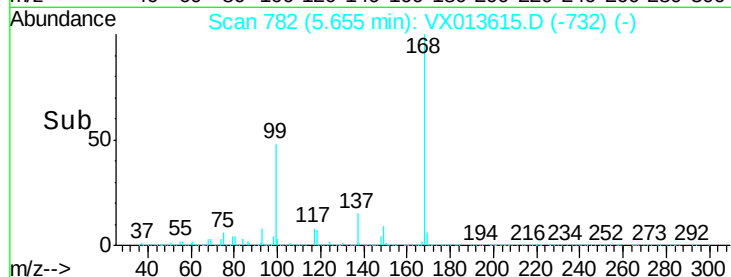
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.092 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013615.D

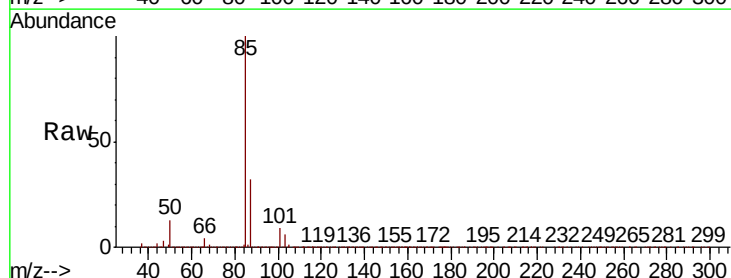
Acq: 26 Nov 2019 22:02

Tgt Ion: 85 Resp: 398320

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400000

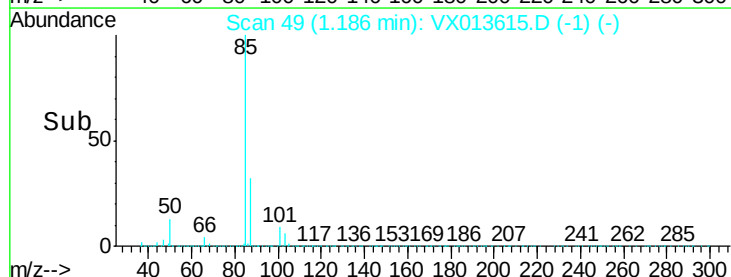
300000

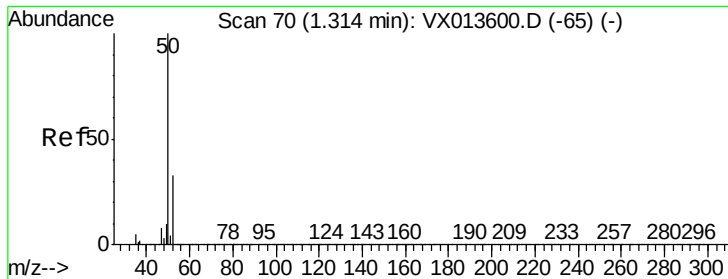
200000

100000

0

Time-->





#3

Chloromethane

Concen: 50.214 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 430827

Ion Ratio Lower Upper

50 100

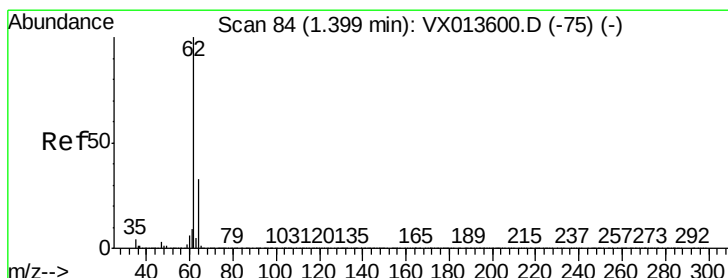
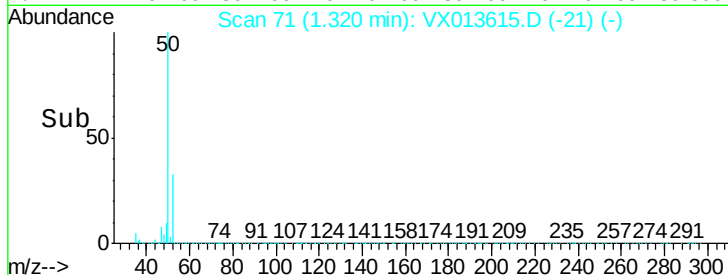
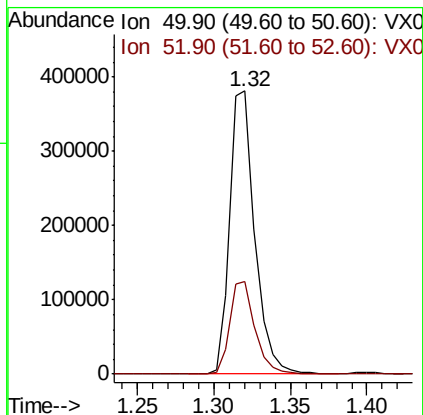
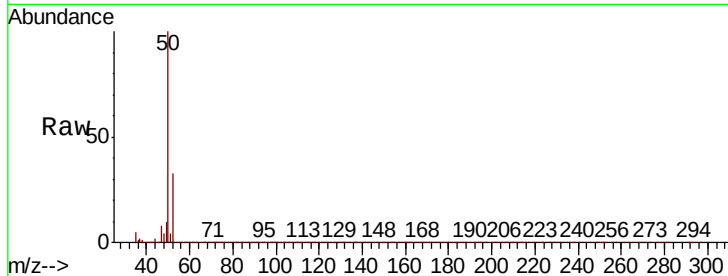
52 32.7 26.0 39.0

Manual Integrations

APPROVED

apatel

11/27/2019 3:45:43 PM



#4

Vinyl Chloride

Concen: 51.125 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013615.D

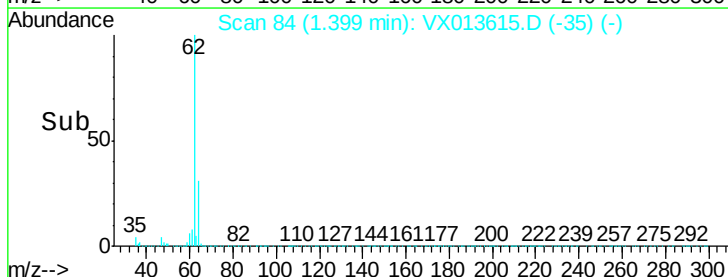
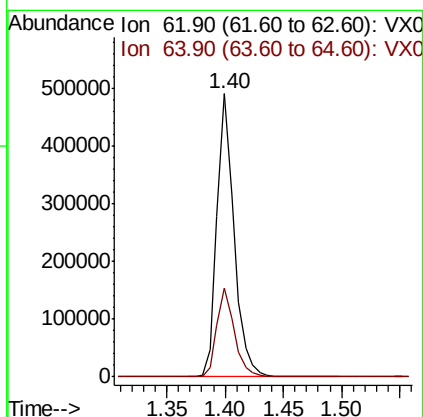
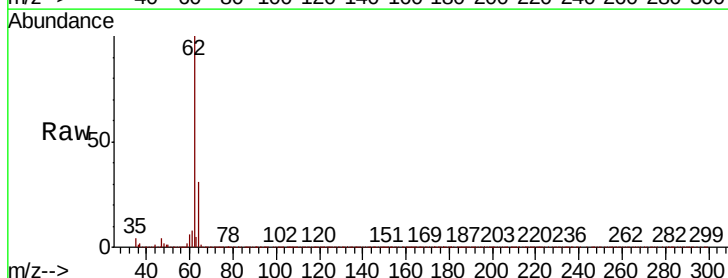
Acq: 26 Nov 2019 22:02

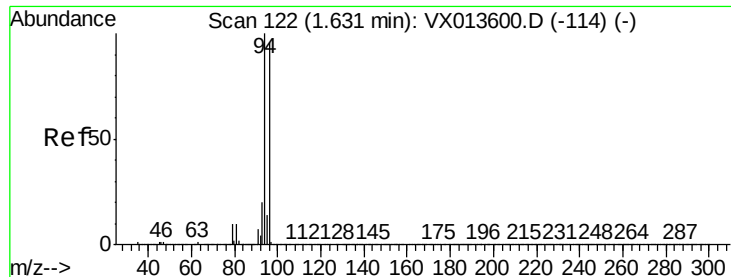
Tgt Ion: 62 Resp: 493709

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0





#5

Bromomethane

Concen: 48.209 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 312646

Ion Ratio Lower Upper

94 100

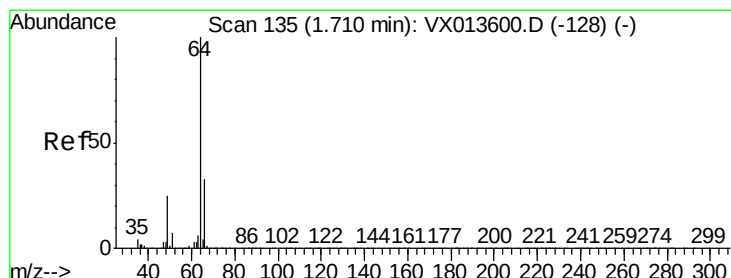
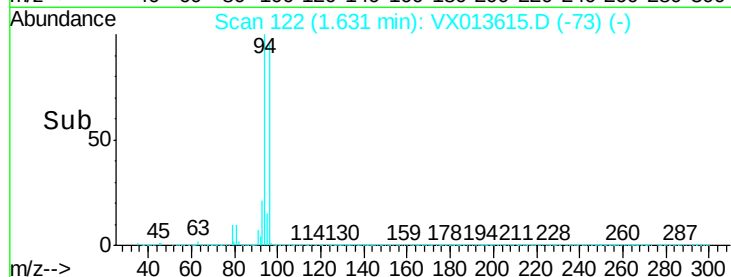
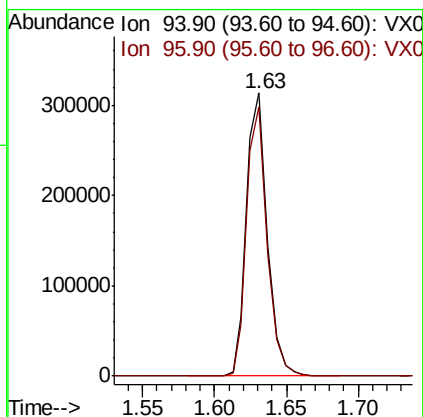
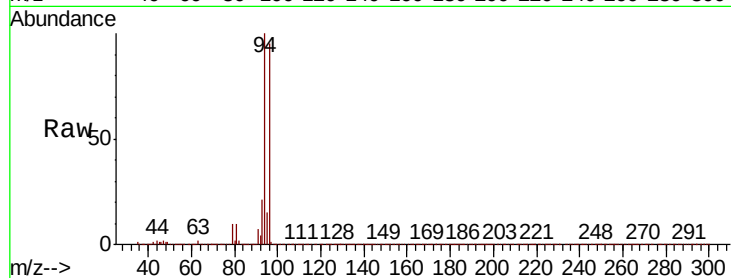
96 95.3 77.0 115.4

Manual Integrations

APPROVED

apatel

11/27/2019 3:45:43 PM



#6

Chloroethane

Concen: 47.727 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013615.D

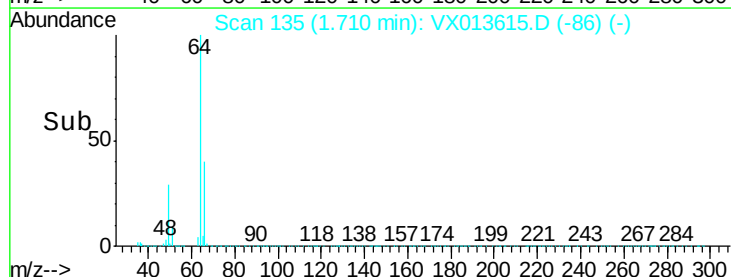
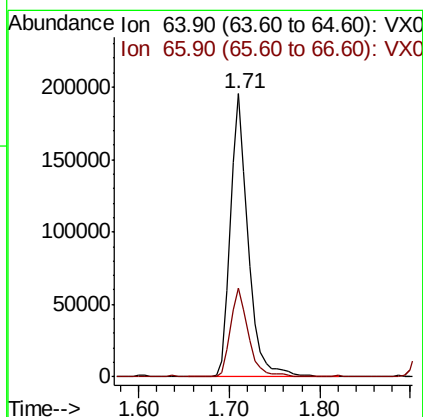
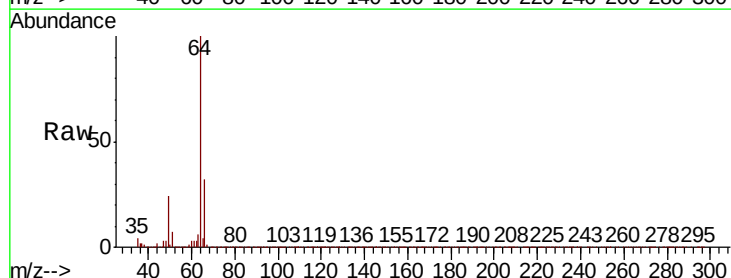
Acq: 26 Nov 2019 22:02

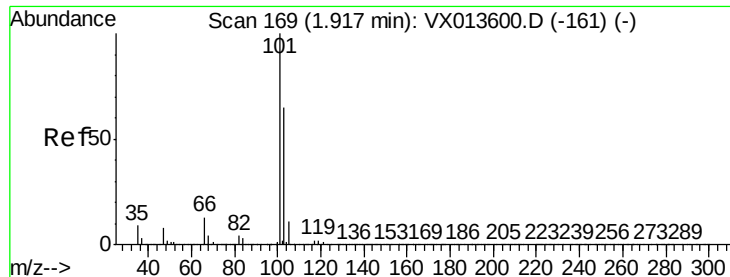
Tgt Ion: 64 Resp: 262271

Ion Ratio Lower Upper

64 100

66 31.4 26.7 40.1





#7

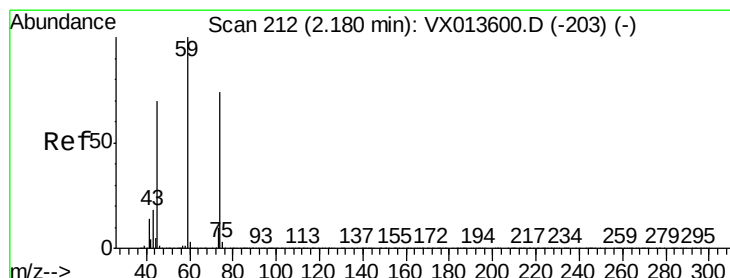
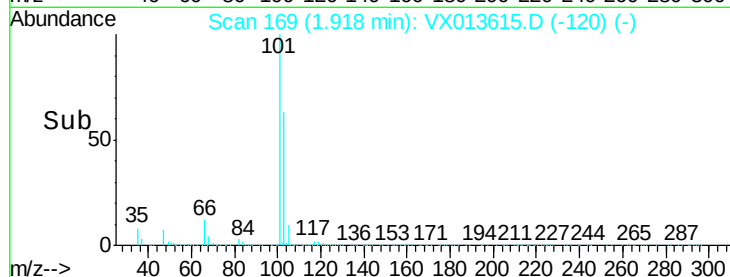
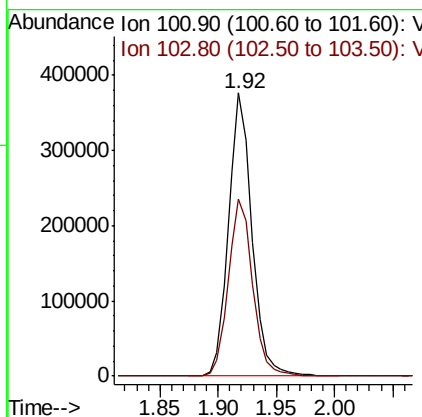
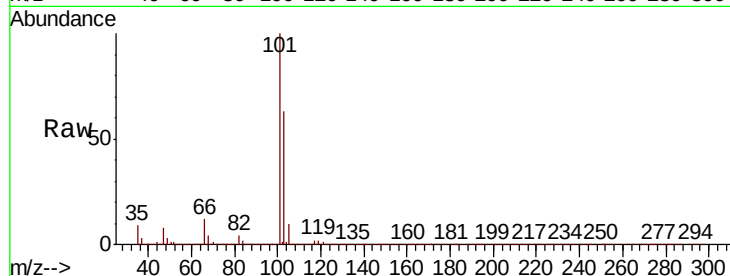
Trichlorofluoromethane
Concen: 49.005 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.8	77.6

Manual Integrations
APPROVED

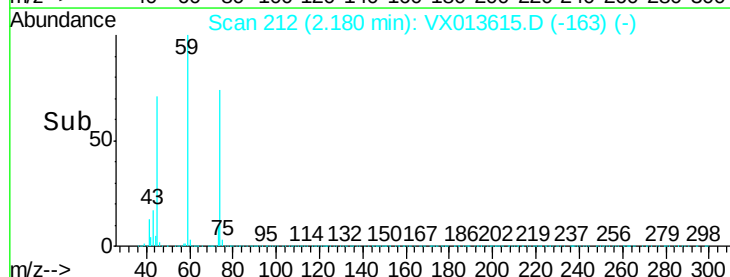
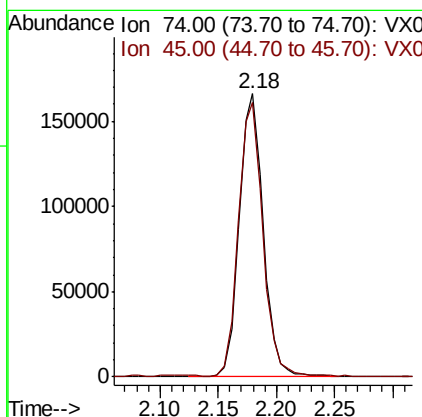
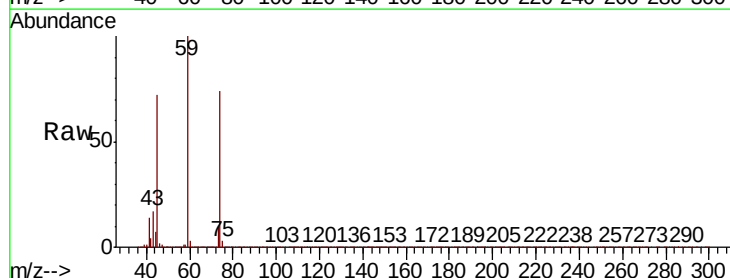
apatel
11/27/2019 3:45:43 PM

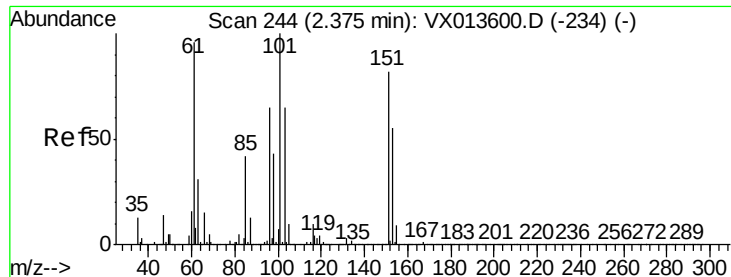


#8

Diethyl Ether
Concen: 49.078 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.267 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

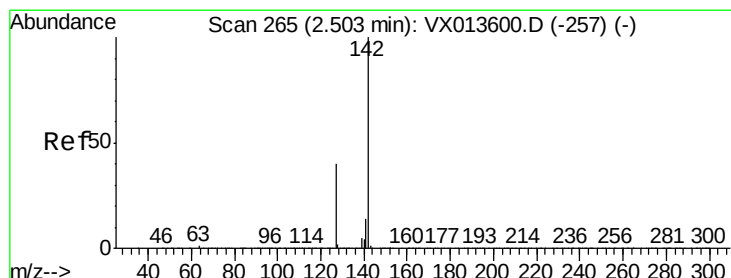
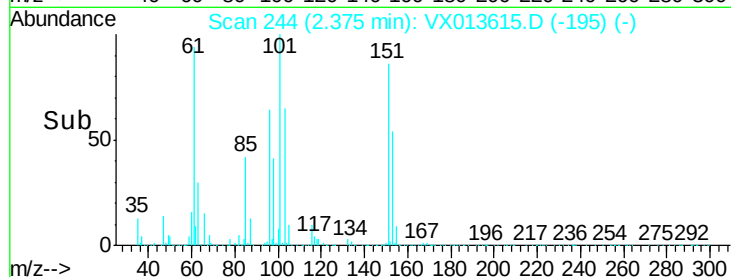
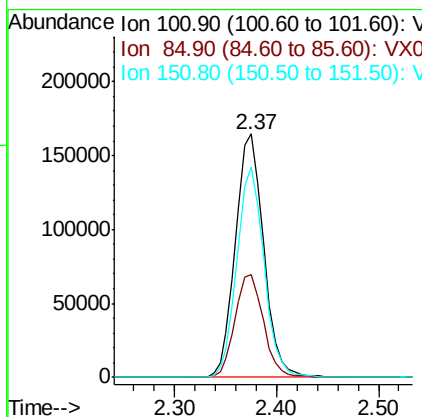
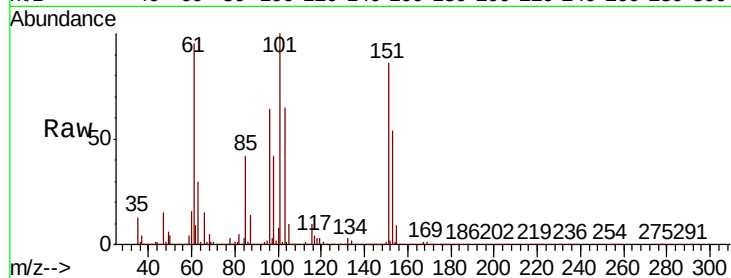
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	316134
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.9	50.9
151	83.2	64.2	96.2

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM



#10

Methyl Iodide

Concen: 50.332 ug/l

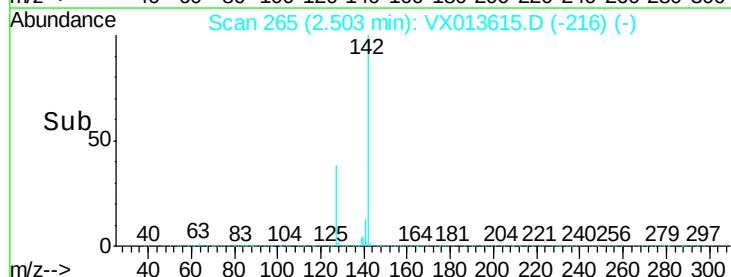
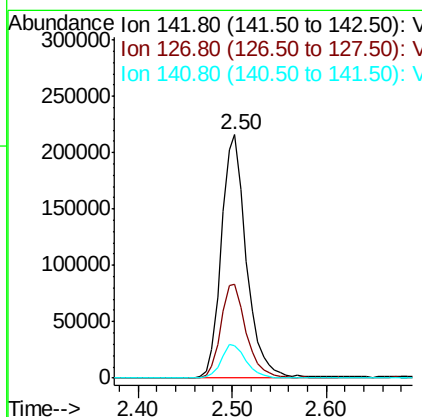
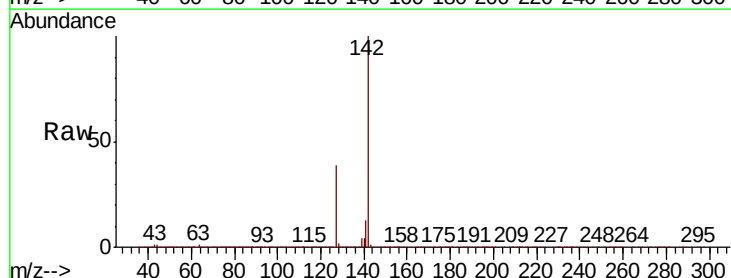
RT: 2.50 min Scan# 265

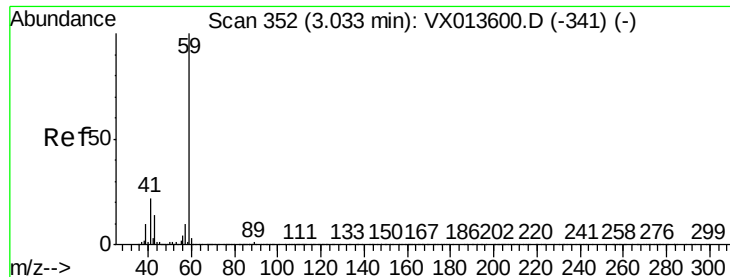
Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Tgt Ion:	142	Resp:	398778
Ion Ratio	Lower	Upper	
142	100		
127	39.2	31.0	46.4
141	13.9	11.6	17.4





#11

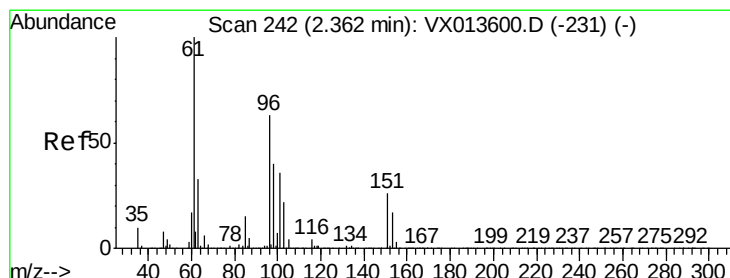
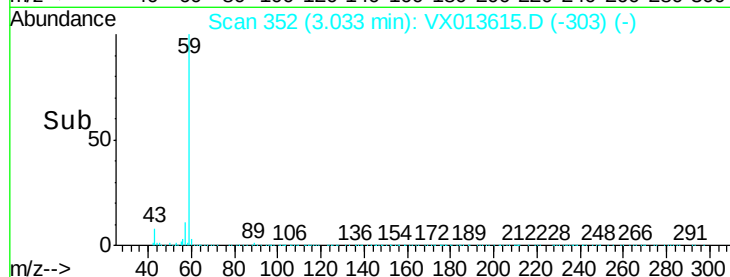
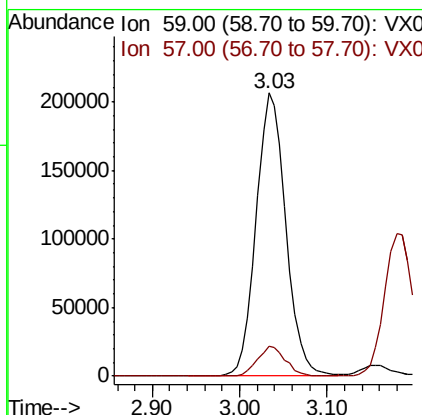
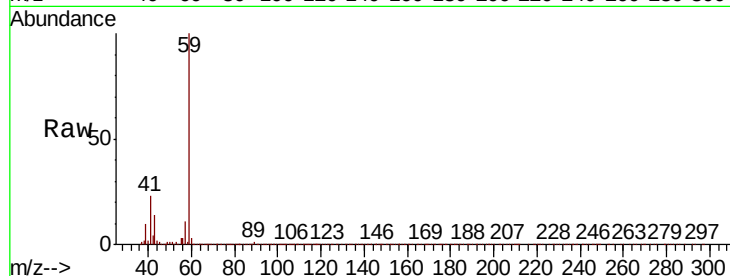
Tert butyl alcohol
Concen: 247.985 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.6

Manual Integrations
APPROVED

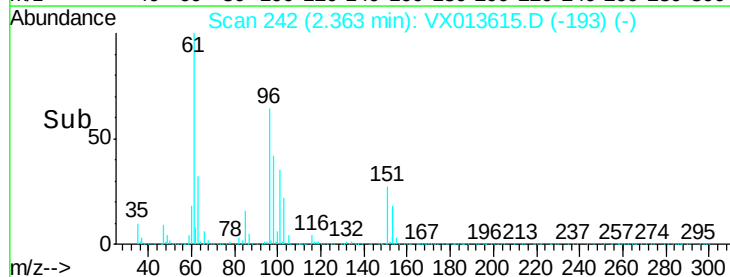
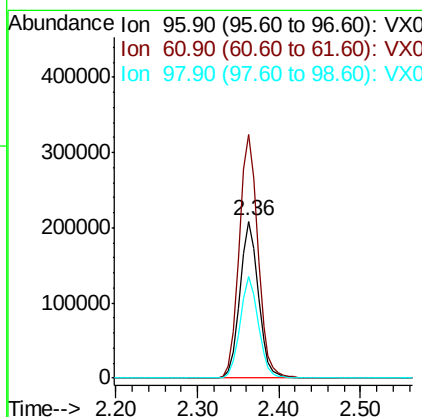
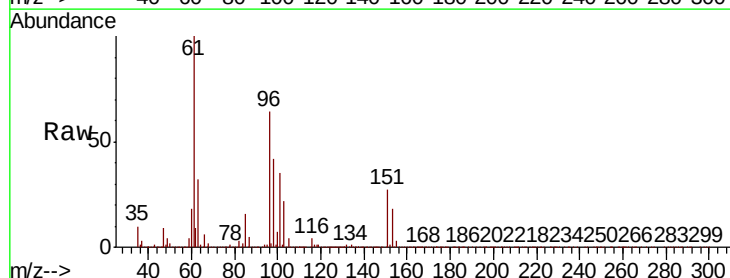
apatel
11/27/2019 3:45:43 PM

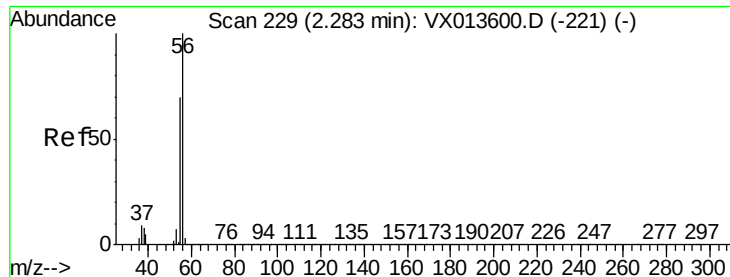


#12

1,1-Dichloroethene
Concen: 49.540 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	126.6	190.0
98	64.2	50.6	76.0





#13

Acrolein

Concen: 232.030 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 304850

Ion Ratio Lower Upper

56 100

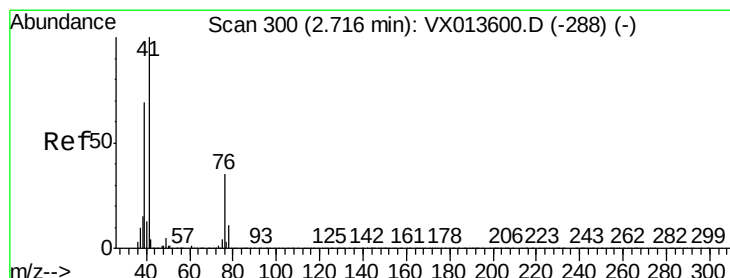
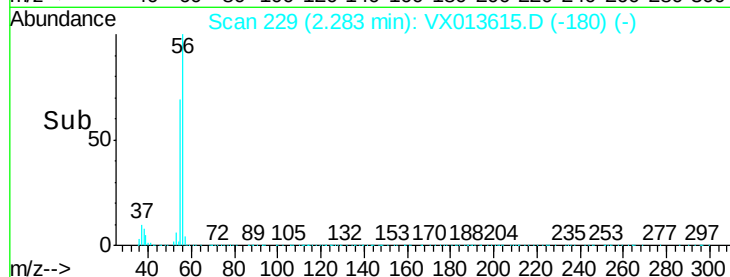
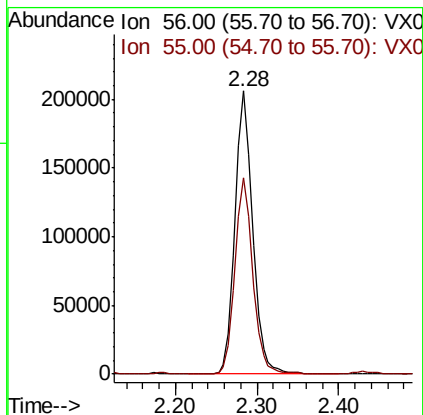
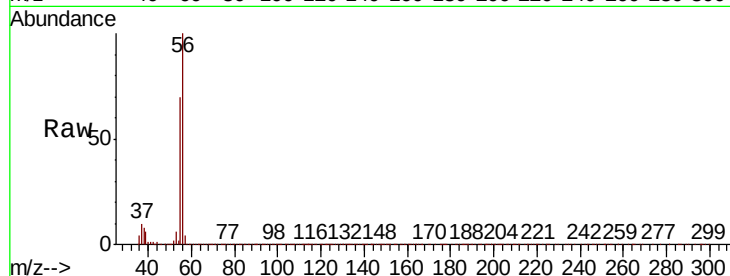
55 69.7 56.2 84.4

Manual Integrations

APPROVED

apatel

11/27/2019 3:45:43 PM



#14

Allyl chloride

Concen: 48.766 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

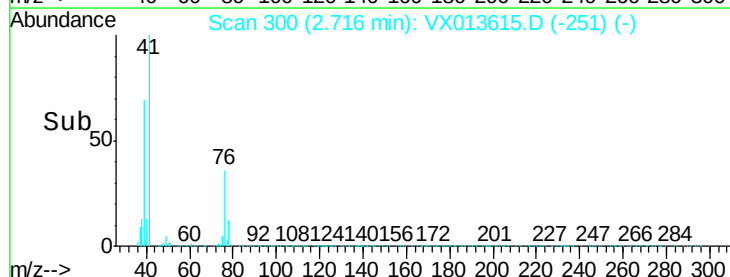
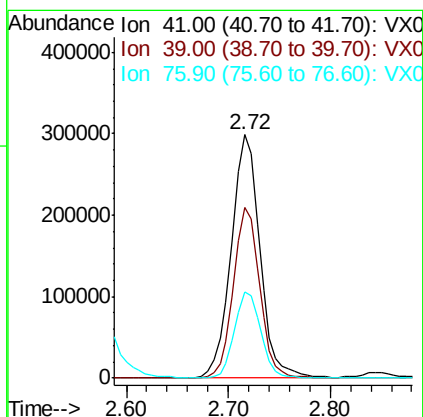
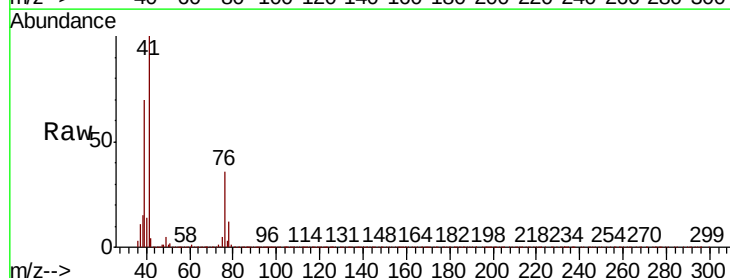
Tgt Ion: 41 Resp: 578580

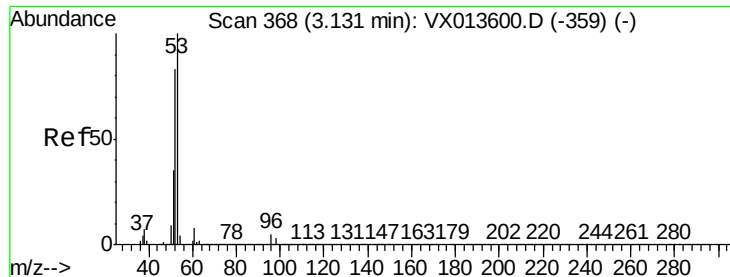
Ion Ratio Lower Upper

41 100

39 64.2 51.7 77.5

76 32.4 25.9 38.9





#15

Acrylonitrile

Concen: 251.800 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

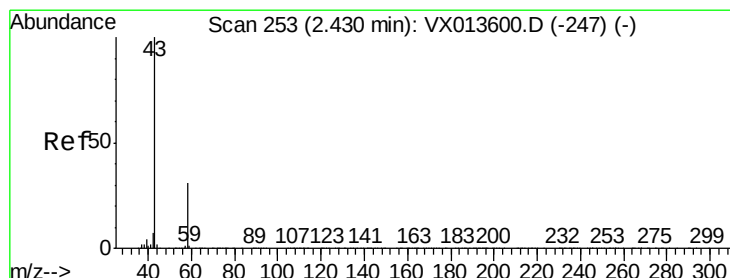
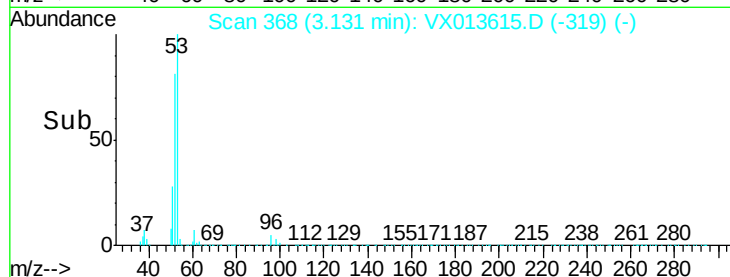
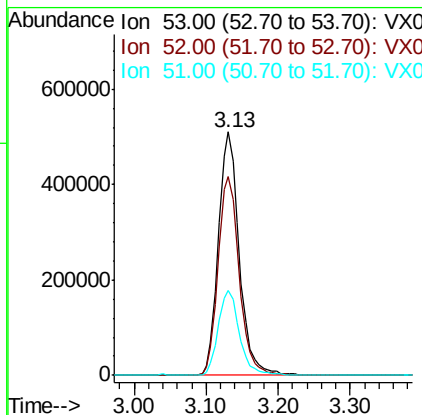
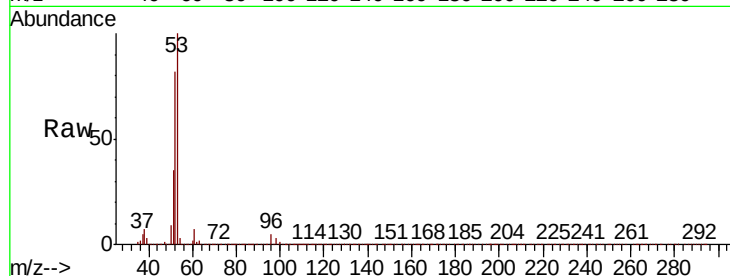
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	1023046
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	35.8	29.0	43.6

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM



#16

Acetone

Concen: 228.189 ug/l

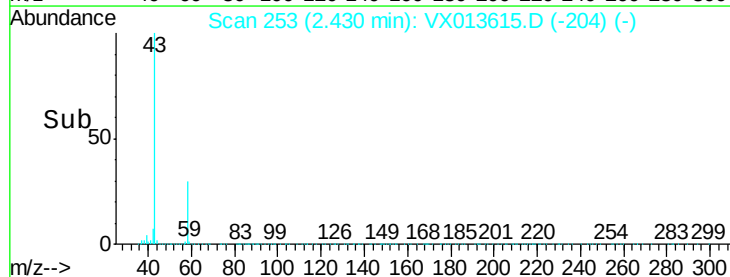
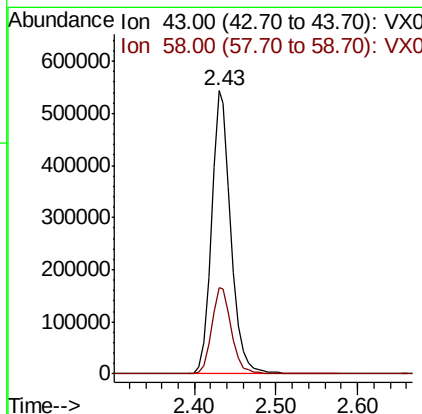
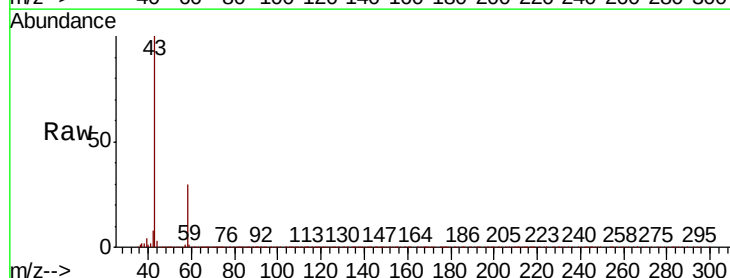
RT: 2.43 min Scan# 253

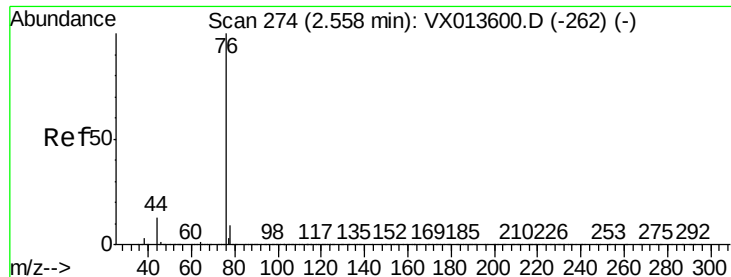
Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Tgt Ion:	43	Resp:	898379
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.6	36.8





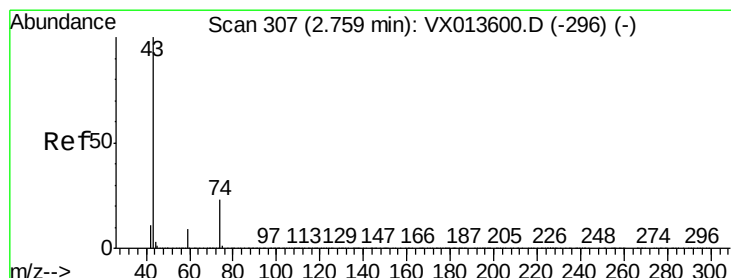
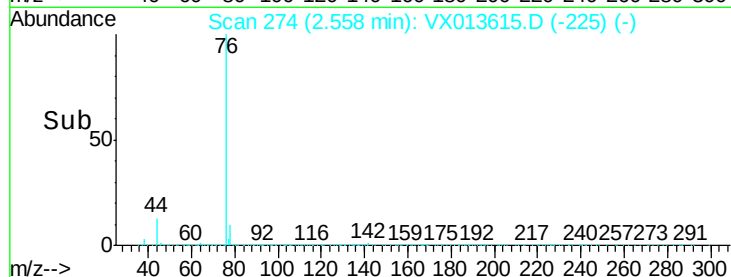
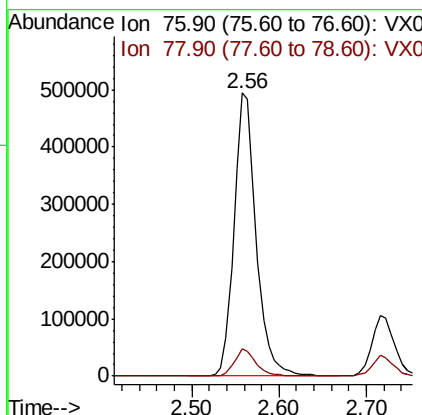
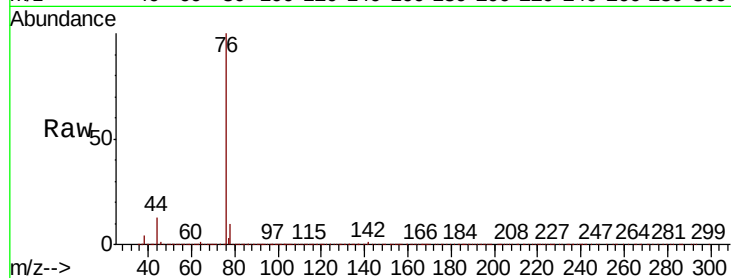
#17
Carbon Disulfide
Concen: 46.877 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

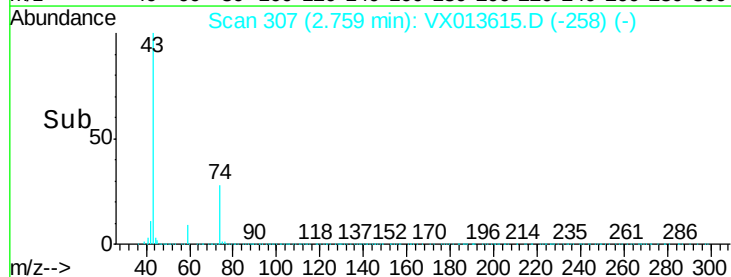
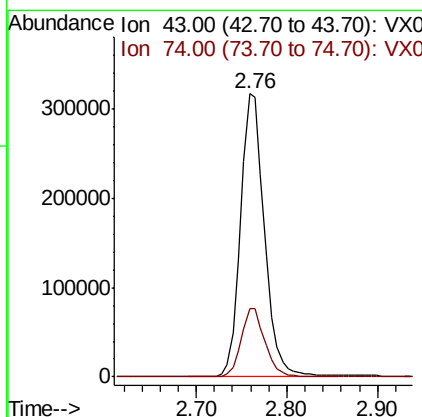
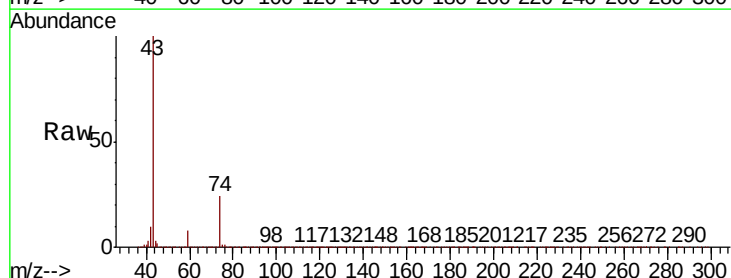
Manual Integrations
APPROVED

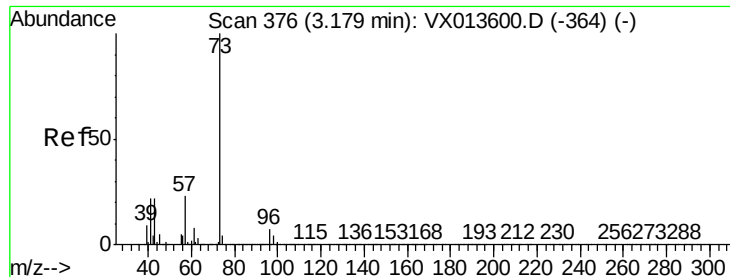
apatel
11/27/2019 3:45:43 PM



#18
Methyl Acetate
Concen: 52.567 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.5	29.3





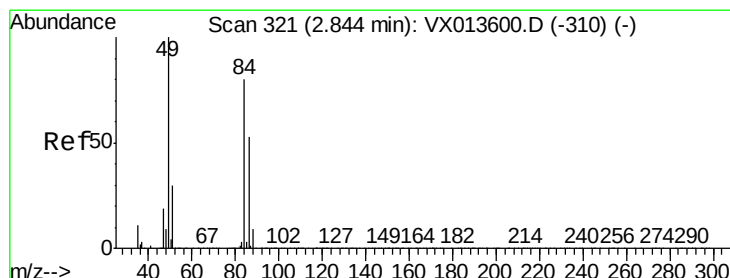
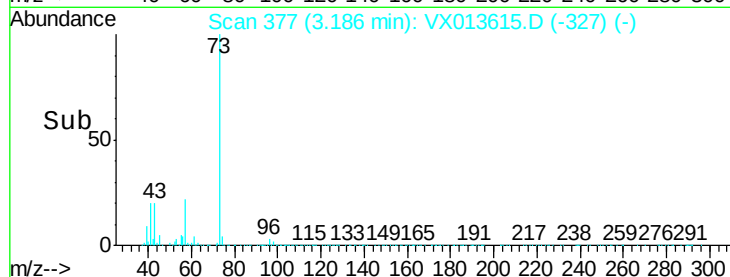
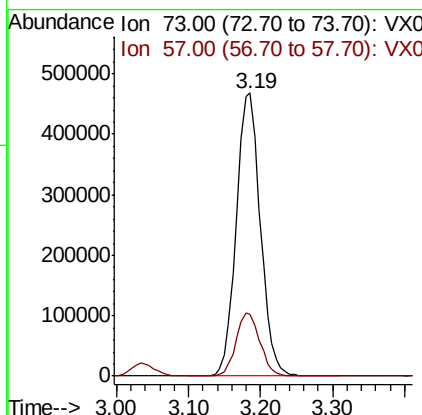
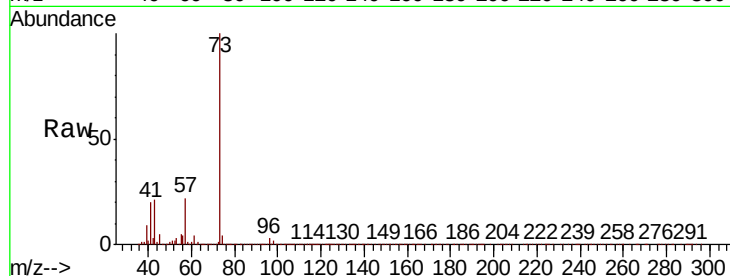
#19
Methyl tert-butyl Ether
Concen: 50.241 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1088119
Ion Ratio Lower Upper
73 100
57 21.9 18.3 27.5

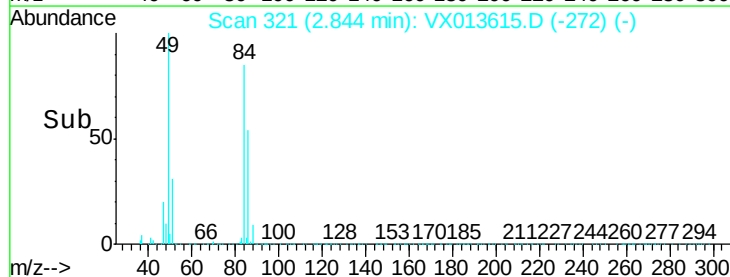
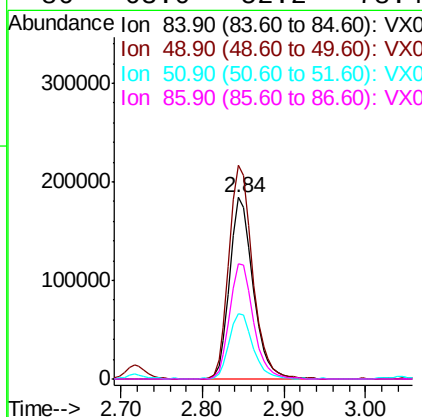
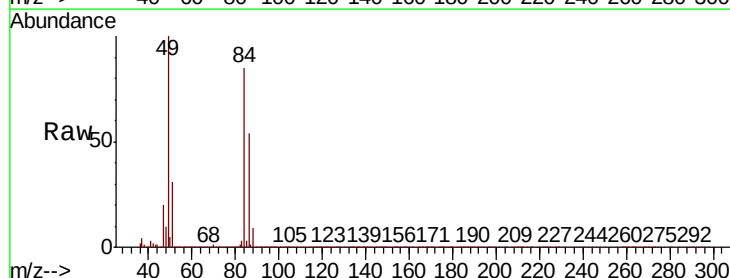
Manual Integrations
APPROVED

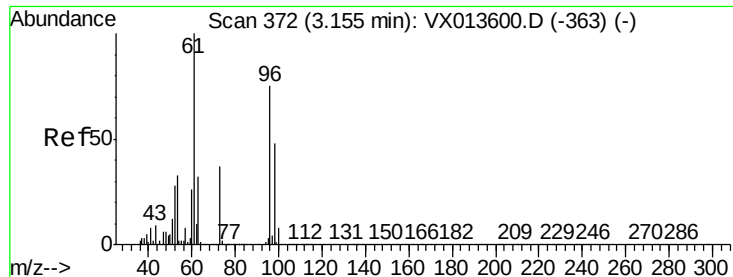
apatel
11/27/2019 3:45:43 PM



#20
Methylene Chloride
Concen: 48.323 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion: 84 Resp: 365498
Ion Ratio Lower Upper
84 100
49 117.5 99.7 149.5
51 36.0 29.9 44.9
86 63.0 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 48.615 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

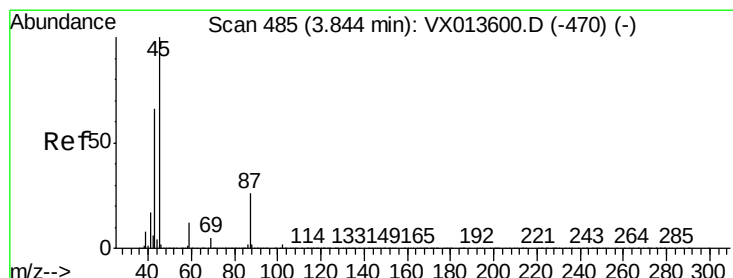
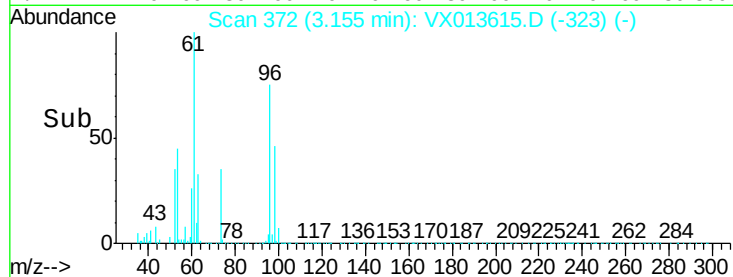
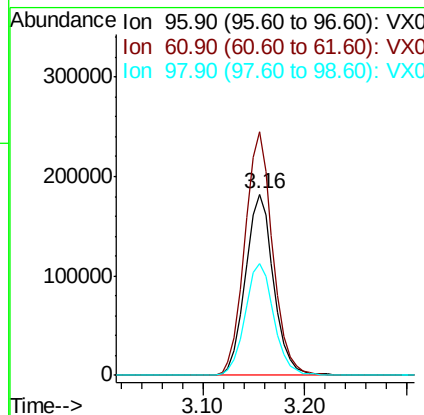
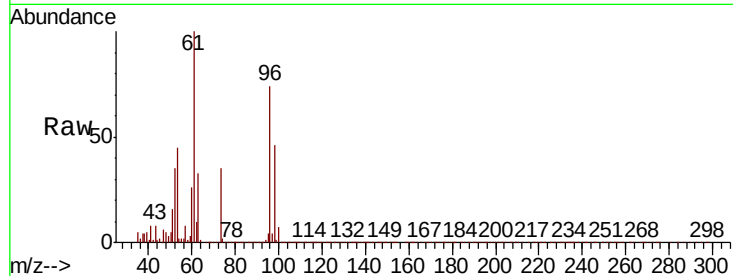
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	346244
Ion	Ratio	Lower	Upper
96	100		
61	134.4	107.2	160.8
98	61.5	51.4	77.0

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM



#22

Diisopropyl ether

Concen: 49.428 ug/l

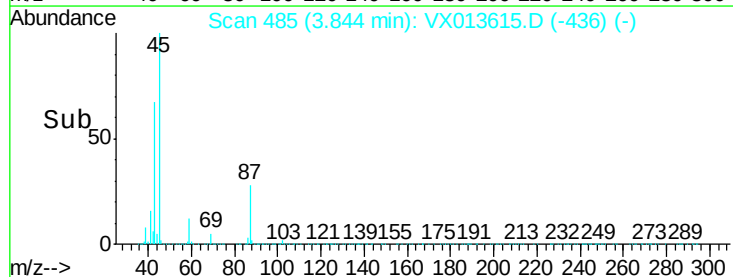
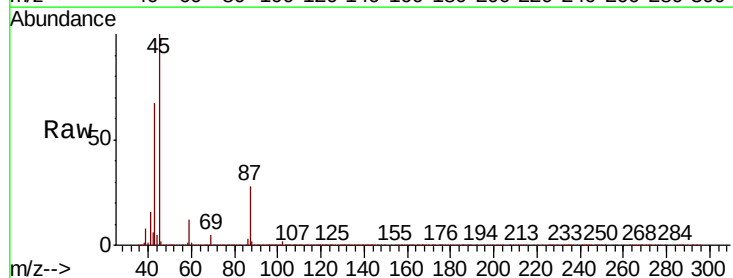
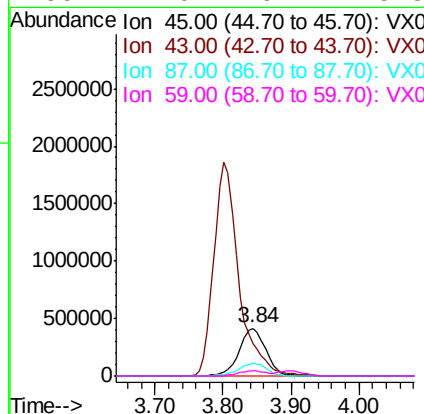
RT: 3.84 min Scan# 485

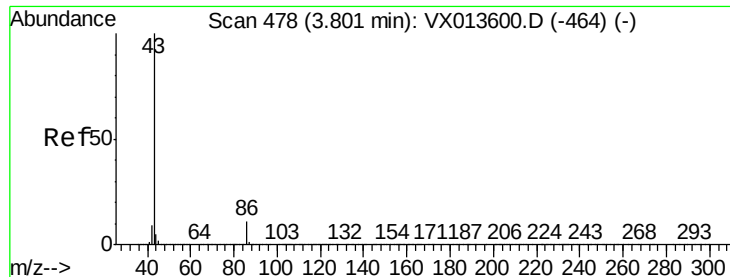
Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Tgt Ion:	45	Resp:	1129206
Ion	Ratio	Lower	Upper
45	100		
43	66.7	52.6	79.0
87	27.6	21.1	31.7
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 249.912 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4749561

Ion Ratio Lower Upper

43 100

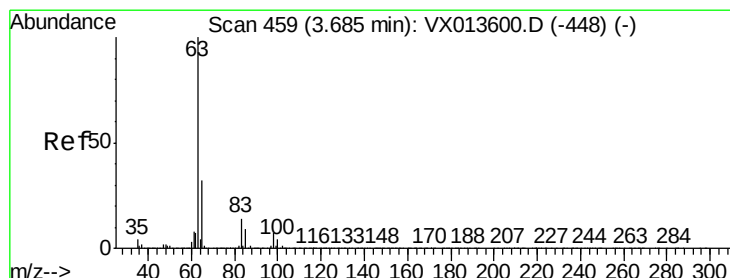
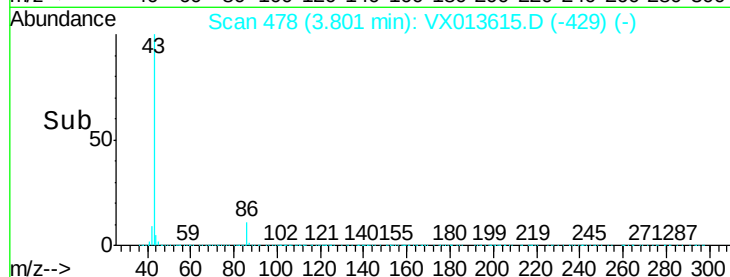
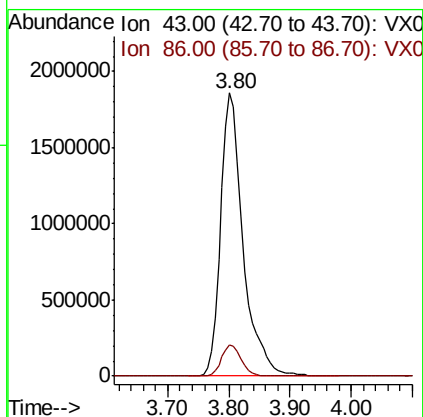
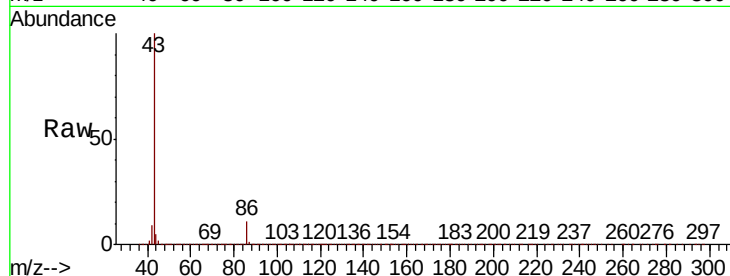
86 10.9 8.7 13.1

Manual Integrations

APPROVED

apatel

11/27/2019 3:45:43 PM



#24

1,1-Dichloroethane

Concen: 49.256 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

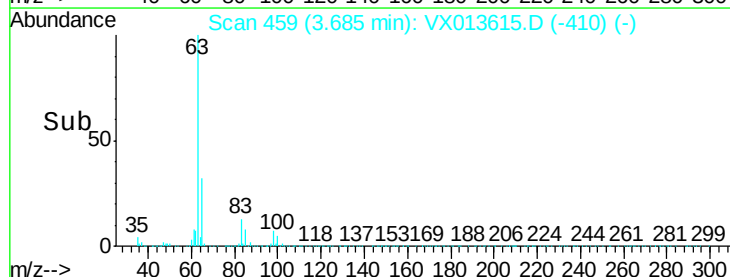
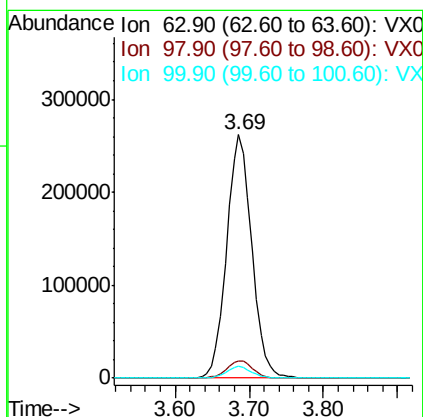
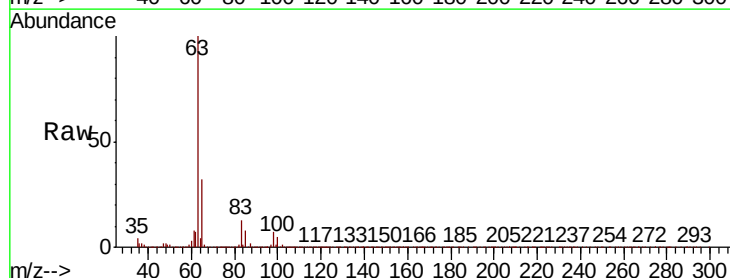
Tgt Ion: 63 Resp: 615141

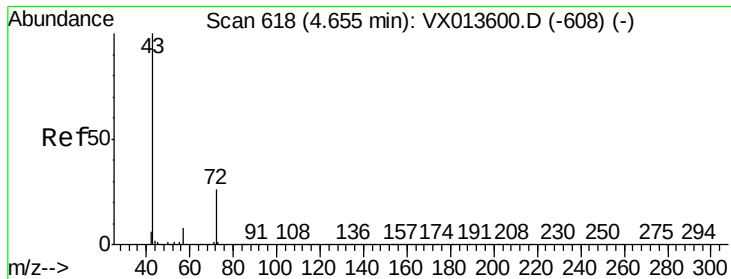
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 5.0 2.1 6.3





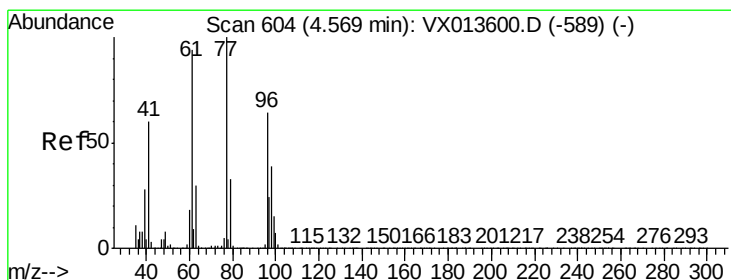
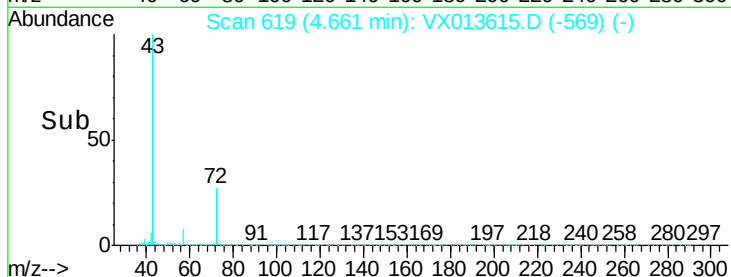
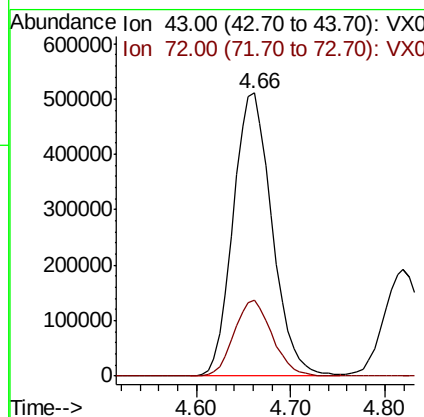
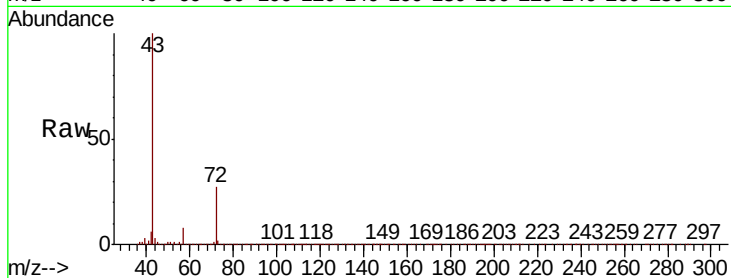
#25
2-Butanone
Concen: 249.886 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1462114
Ion Ratio Lower Upper
43 100
72 26.9 20.6 31.0

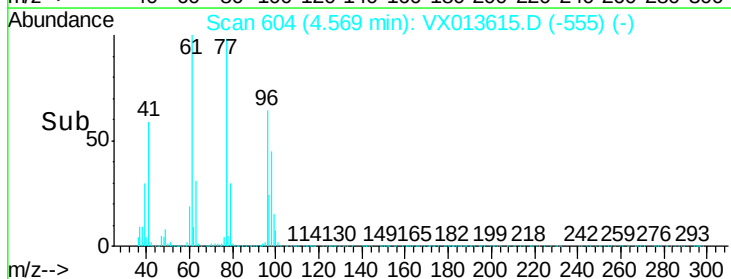
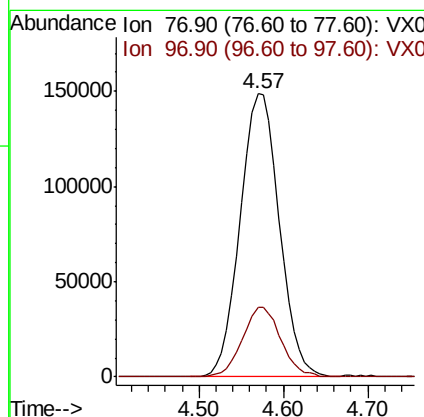
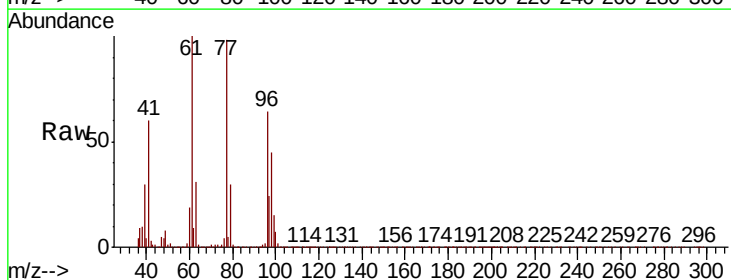
Manual Integrations
APPROVED

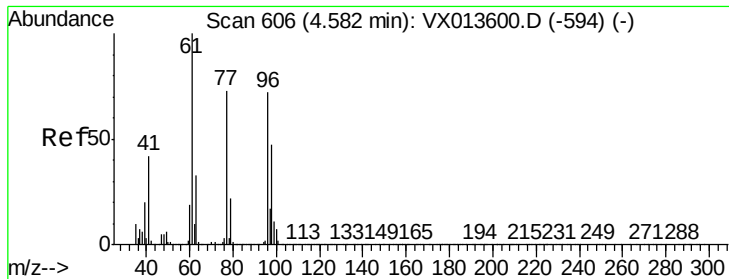
apatel
11/27/2019 3:45:43 PM



#26
2,2-Dichloropropane
Concen: 45.242 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion: 77 Resp: 467473
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.1





#27

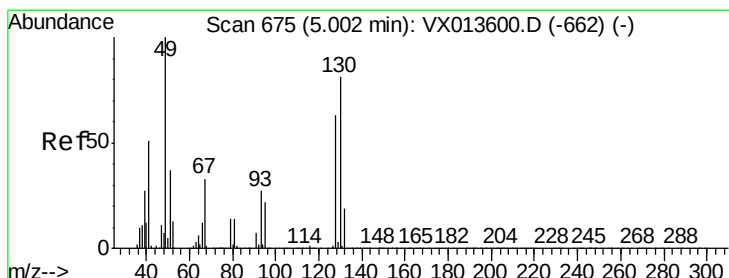
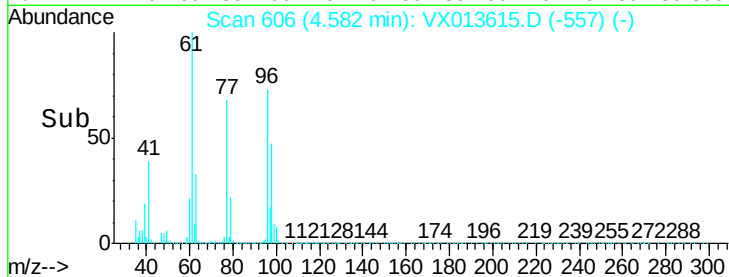
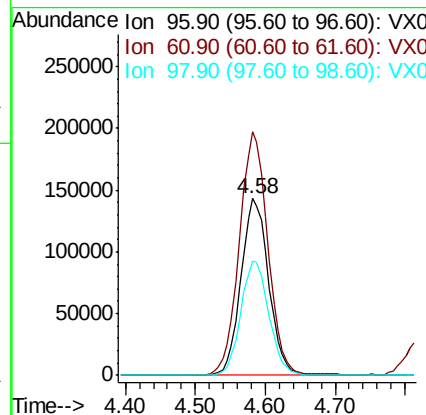
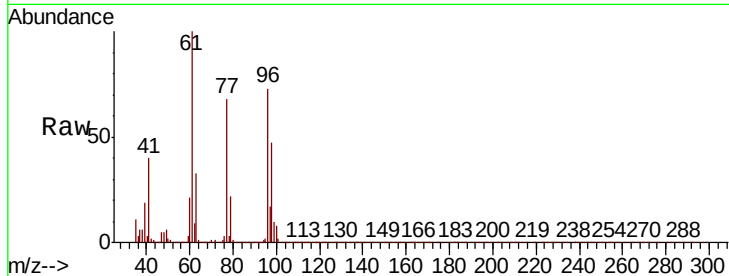
cis-1,2-Dichloroethene
Concen: 47.964 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	392305		
61	142.1	0.0	286.4	
98	65.0	0.0	127.4	

Manual Integrations
APPROVED

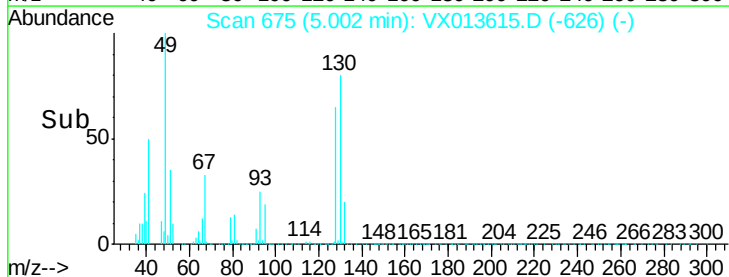
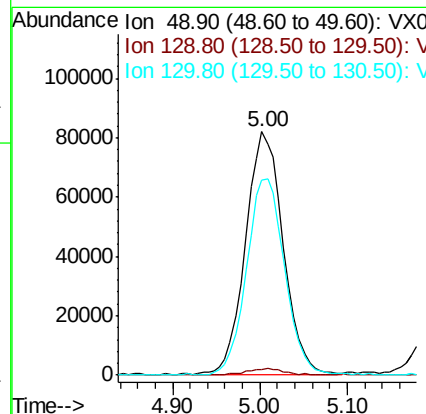
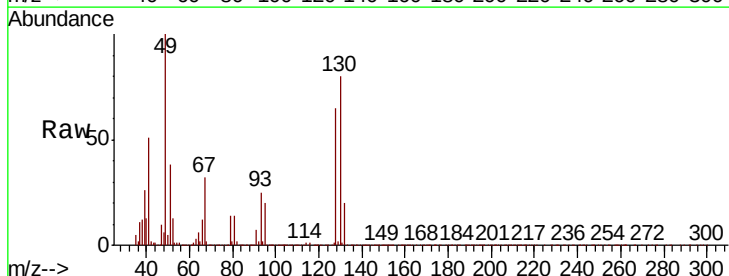
apatel
11/27/2019 3:45:43 PM

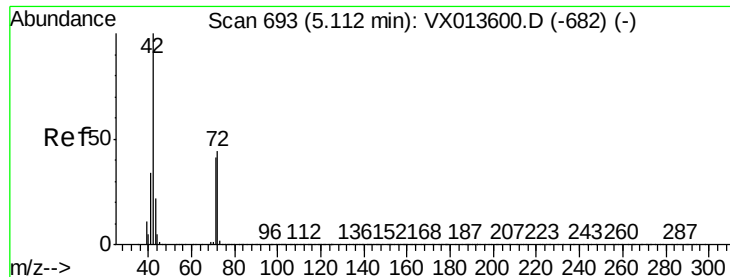


#28

Bromochloromethane
Concen: 49.245 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	243041		
129	2.6	0.0	5.0	
130	81.8	65.4	98.0	





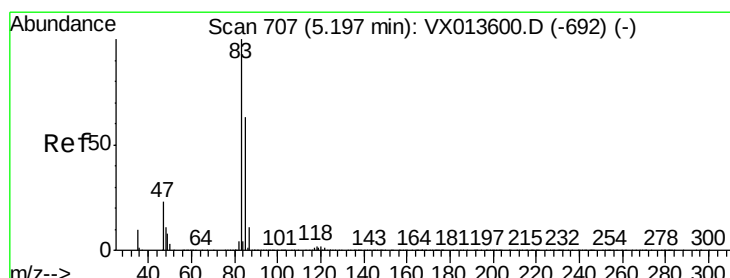
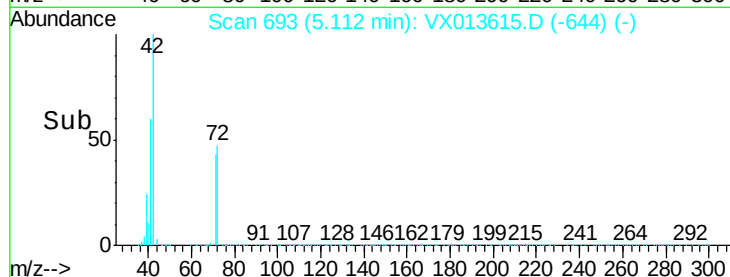
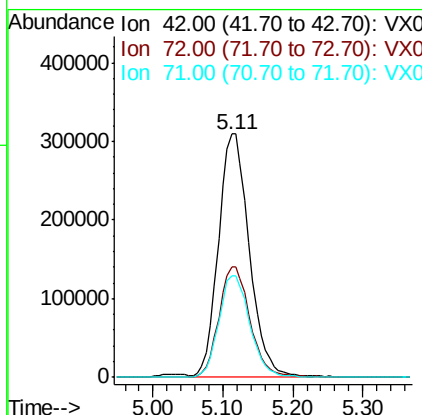
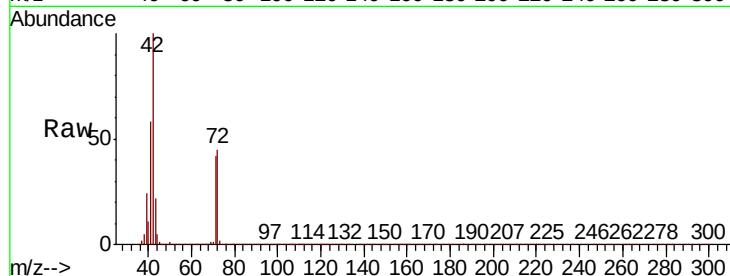
#29
Tetrahydrofuran
Concen: 261.446 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.3	54.5
71	42.3	33.2	49.8

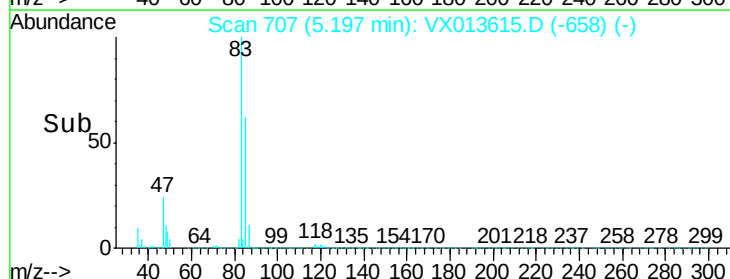
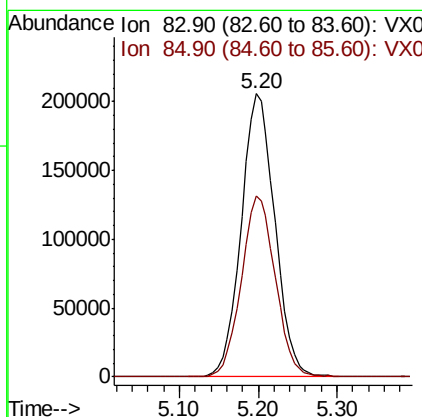
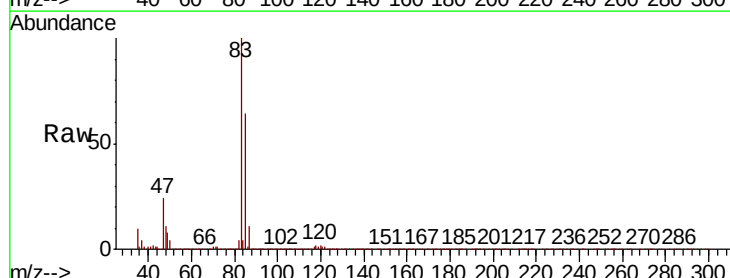
Manual Integrations
APPROVED

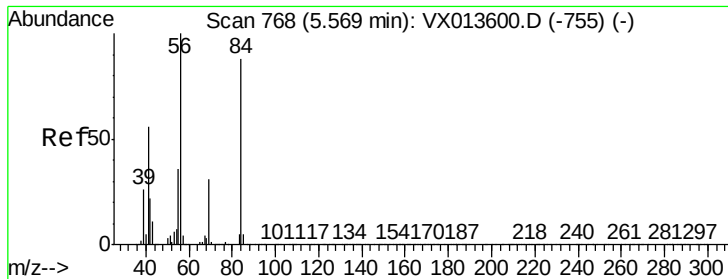
apatel
11/27/2019 3:45:43 PM



#30
Chloroform
Concen: 48.098 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.2	75.4





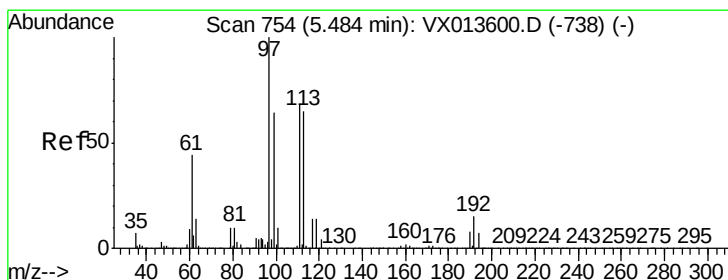
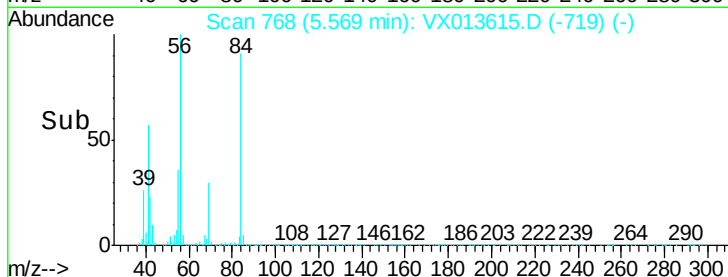
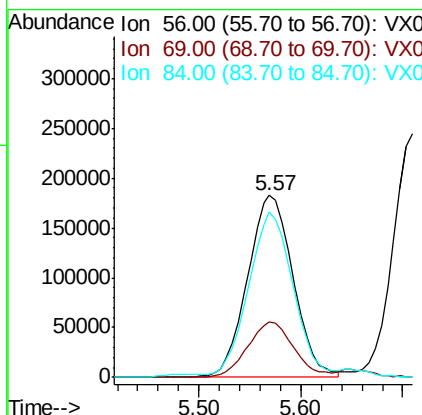
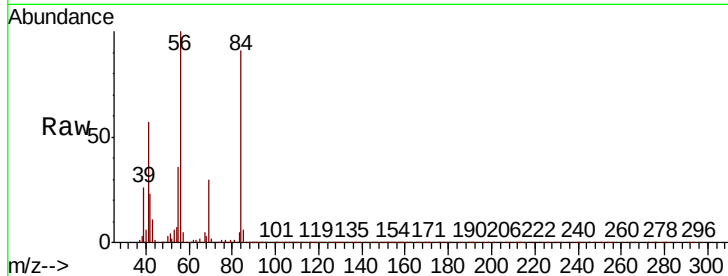
#31
Cyclohexane
Concen: 47.864 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.6	36.8
84	90.0	70.0	105.0

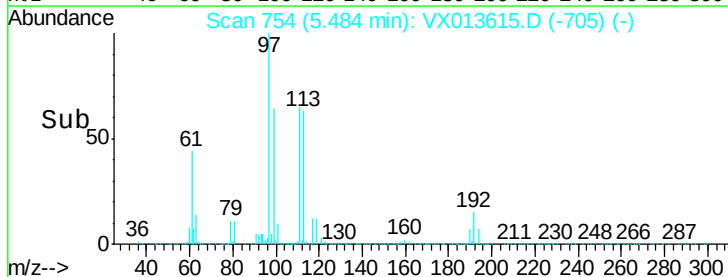
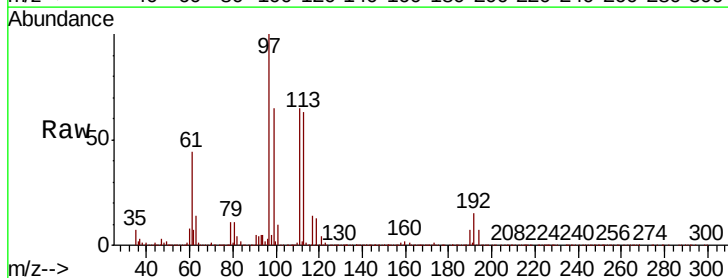
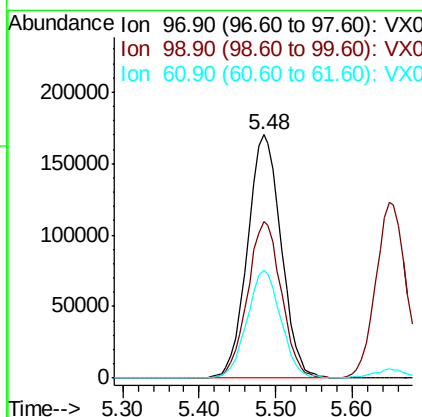
Manual Integrations
APPROVED

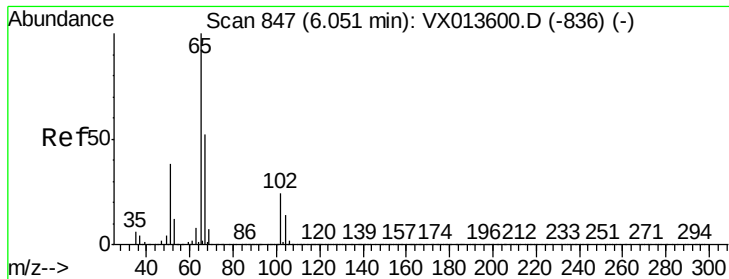
apatel
11/27/2019 3:45:43 PM



#32
1,1,1-Trichloroethane
Concen: 49.425 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	44.1	36.1	54.1





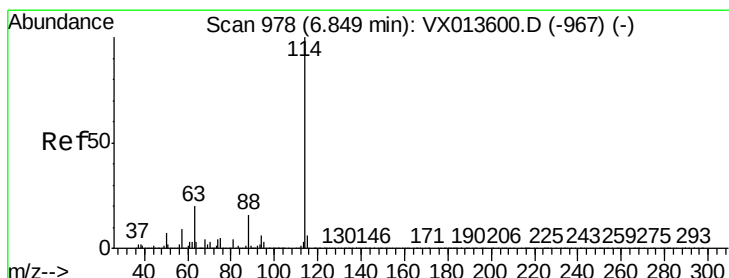
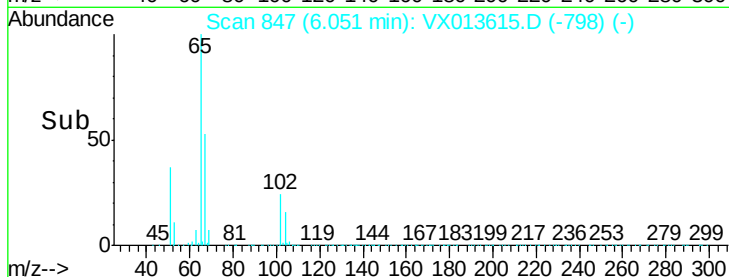
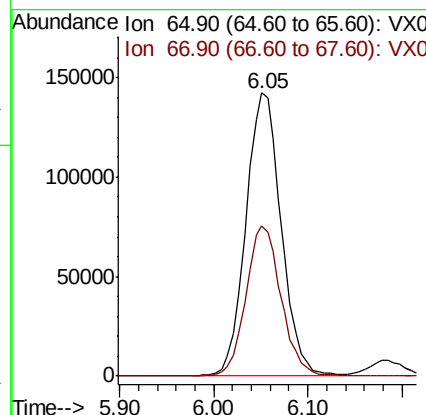
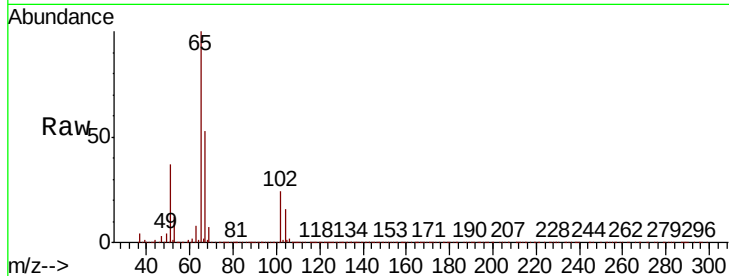
#33
 1,2-Dichloroethane-d4
 Concen: 46.737 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013615.D
 Acq: 26 Nov 2019 22:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.4

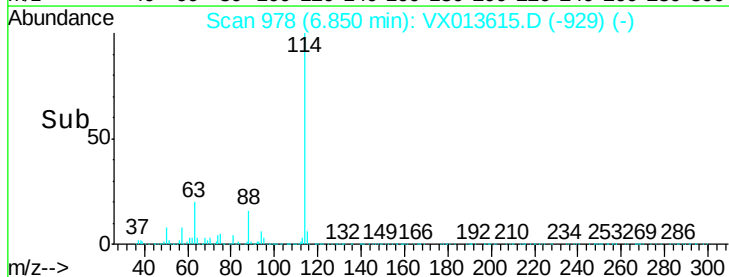
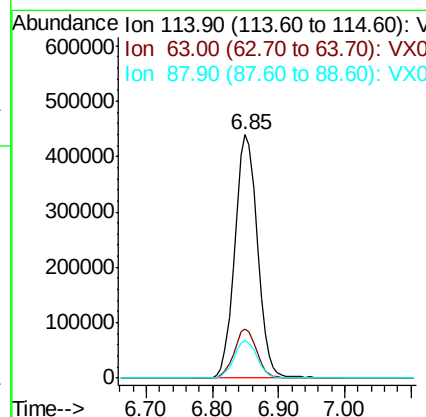
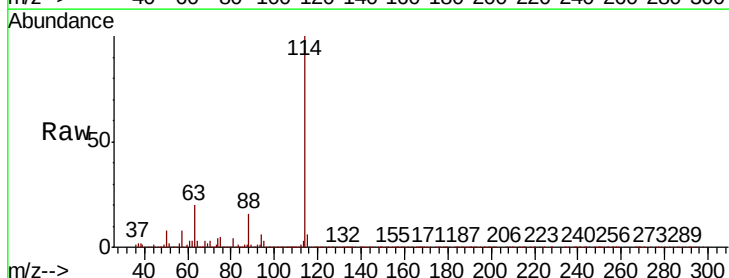
Manual Integrations
 APPROVED

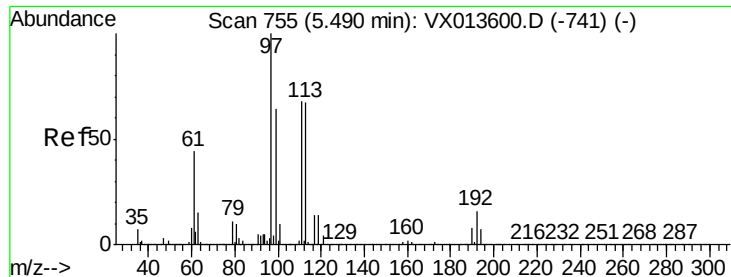
apatel
 11/27/2019 3:45:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013615.D
 Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.6
88	15.5	0.0	31.4





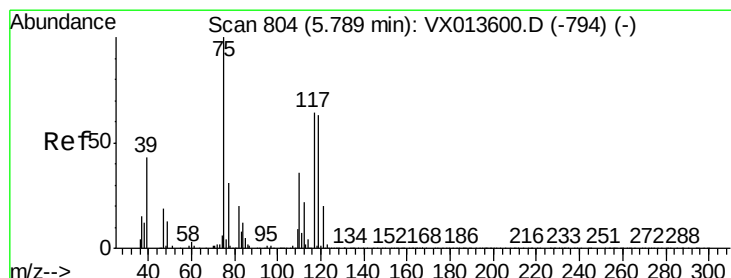
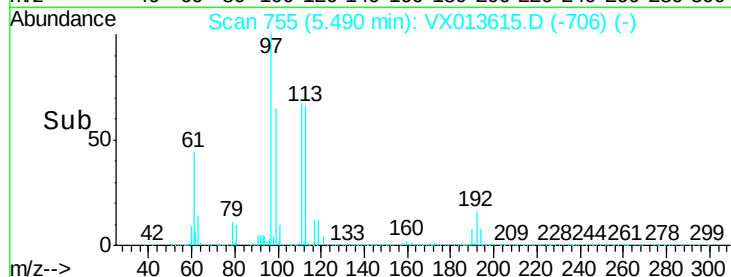
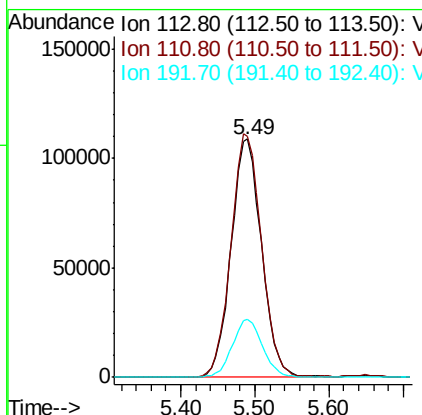
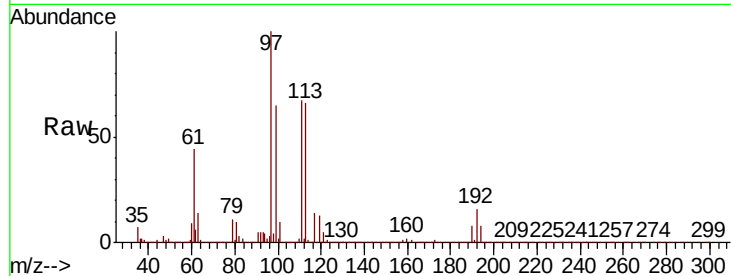
#35
Dibromofluoromethane
Concen: 48.247 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	312152		
111	102.7	83.6	125.4	
192	24.2	19.2	28.8	

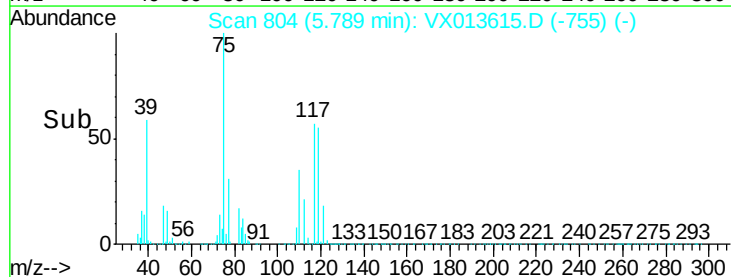
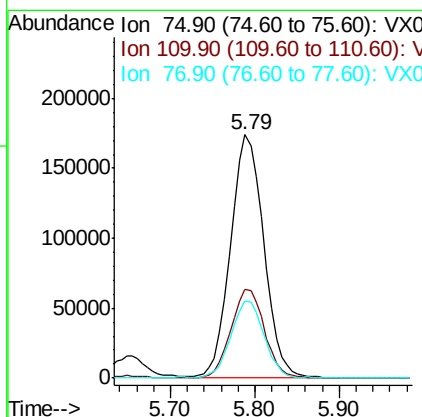
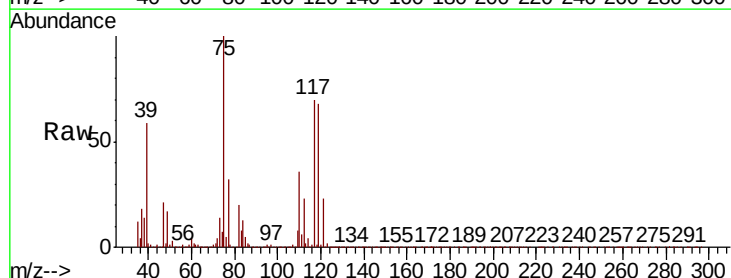
Manual Integrations
APPROVED

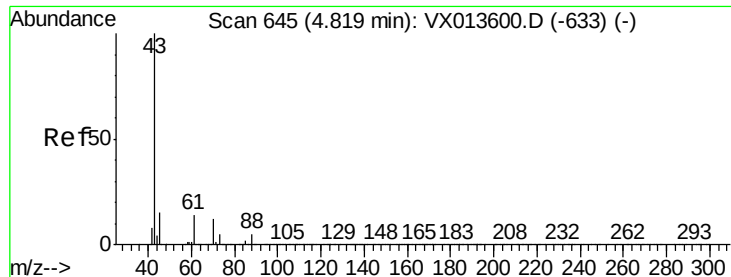
apatel
11/27/2019 3:45:43 PM



#36
1,1-Dichloropropene
Concen: 48.734 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	462974		
110	36.8	18.1	54.1	
77	31.1	24.5	36.7	





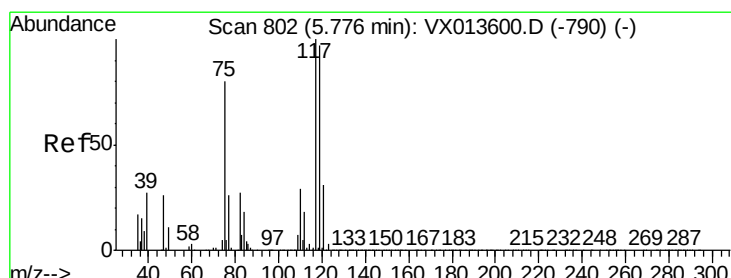
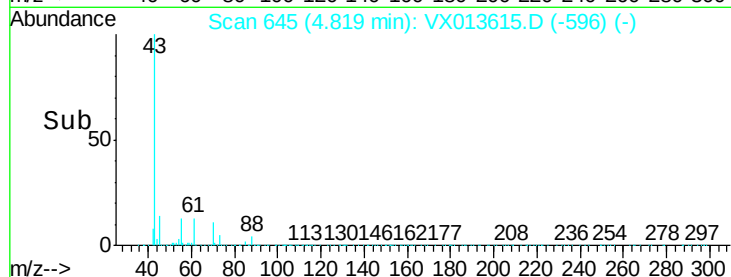
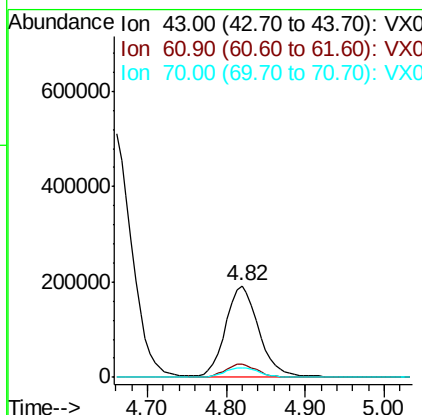
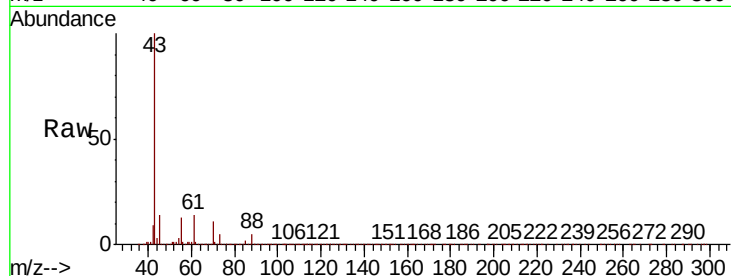
#37
Ethyl Acetate
Concen: 52.205 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	556379
Ion Ratio	100	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	10.6	8.6	12.8

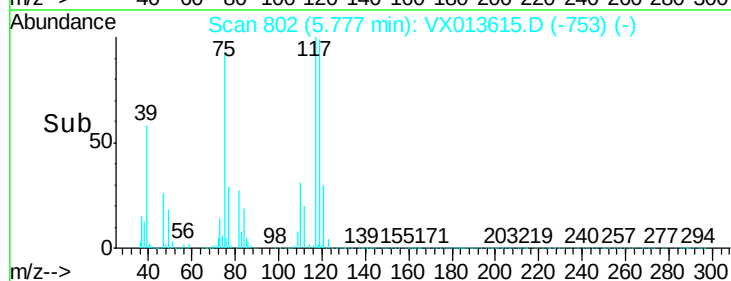
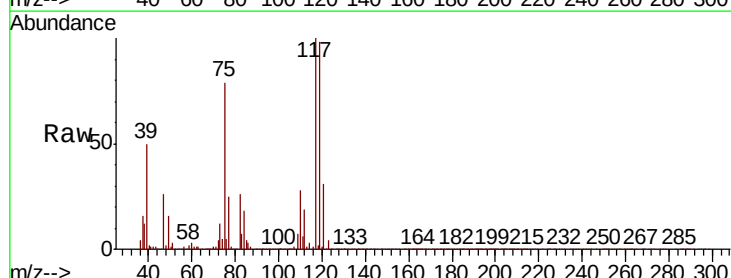
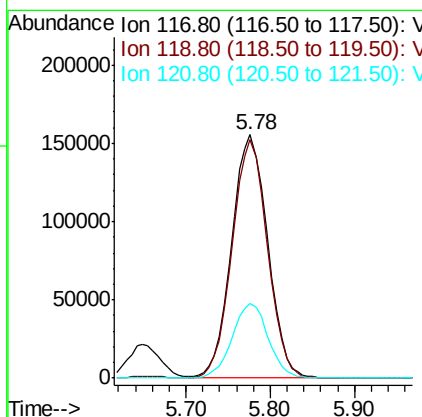
Manual Integrations
APPROVED

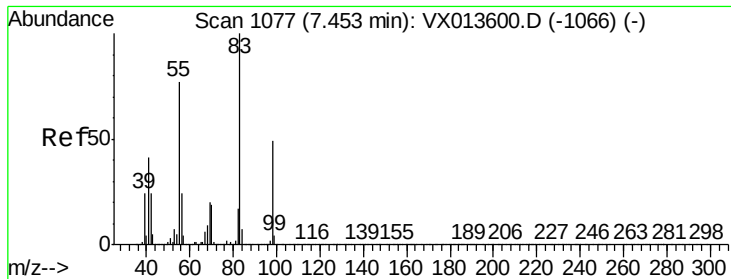
apatel
11/27/2019 3:45:43 PM



#38
Carbon Tetrachloride
Concen: 51.113 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	117	Resp	447743
Ion Ratio	100	Lower	Upper
117	100		
119	97.8	77.5	116.3
121	30.7	25.0	37.6





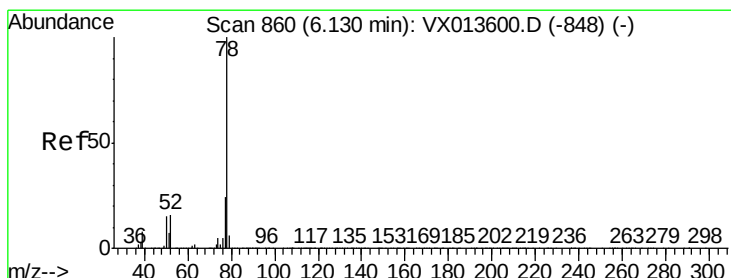
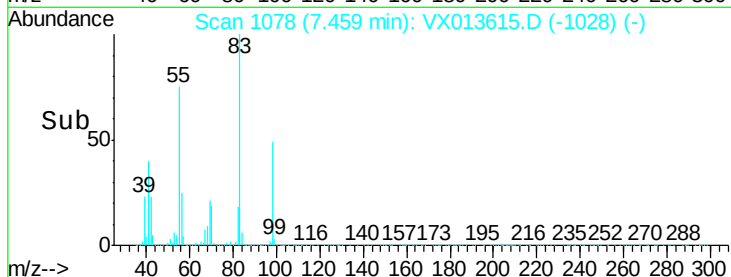
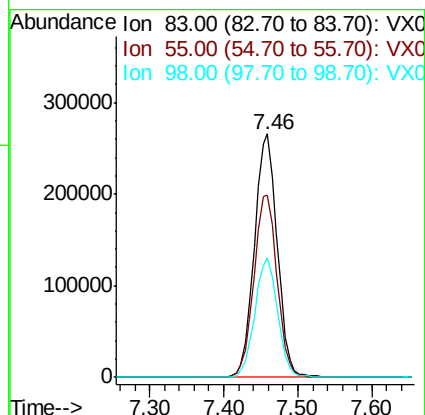
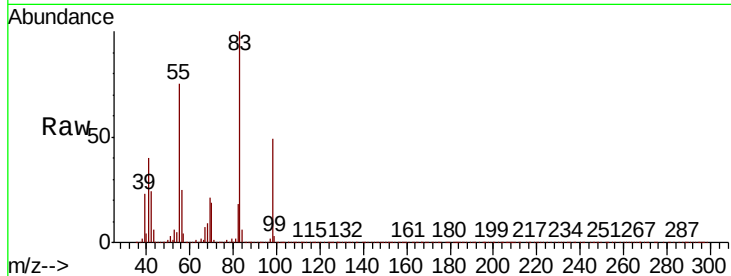
#39
Methylvlcyclohexane
Concen: 48.760 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.9	92.9
98	49.2	39.4	59.0

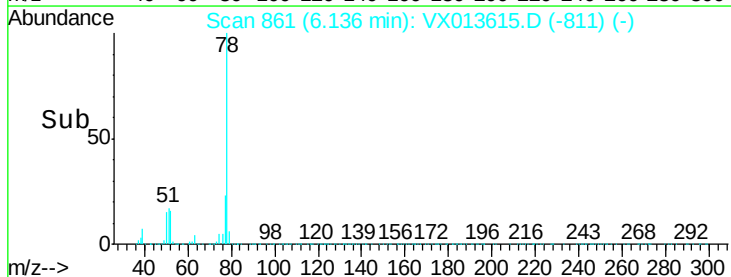
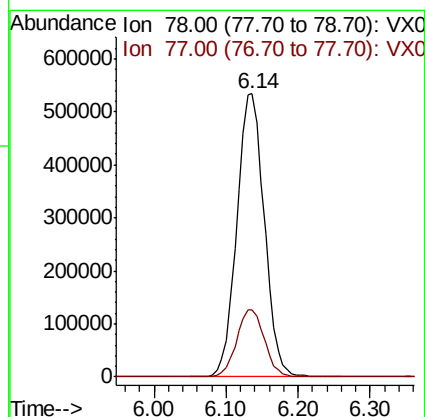
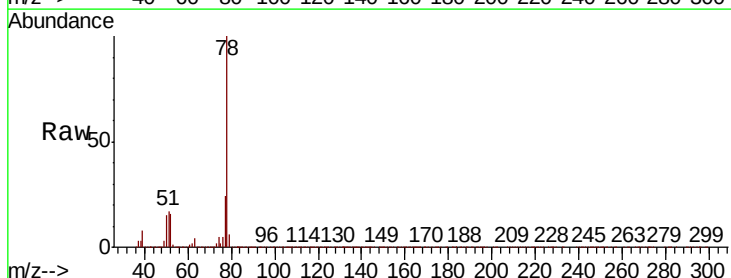
Manual Integrations
APPROVED

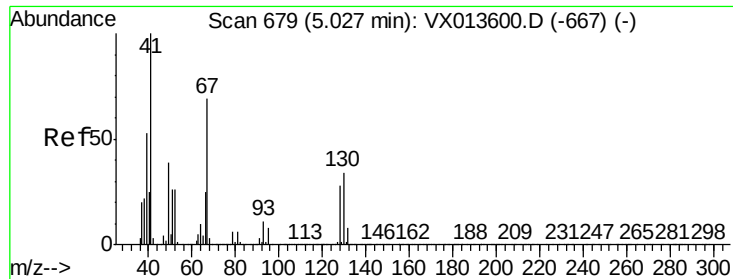
apatel
11/27/2019 3:45:43 PM



#40
Benzene
Concen: 49.057 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





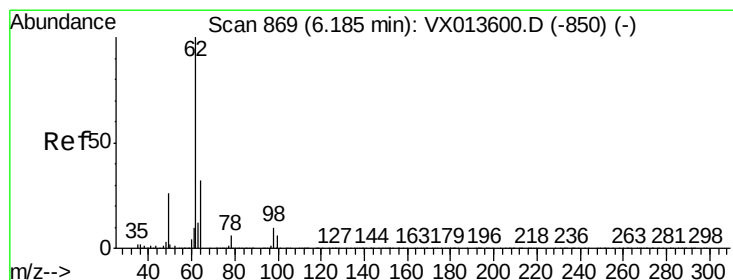
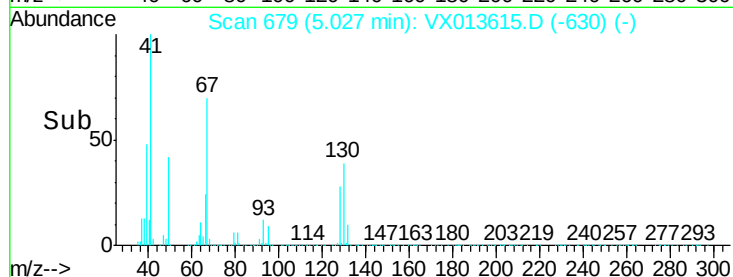
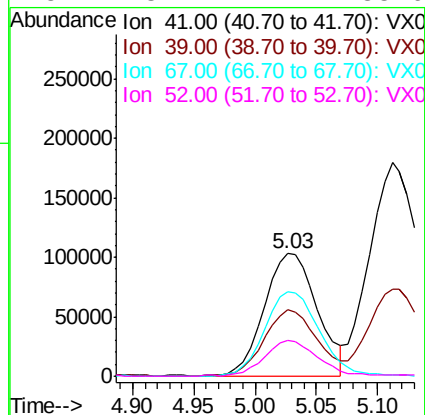
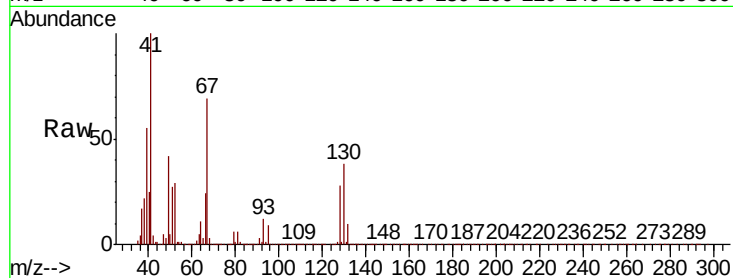
#41
Methacrylonitrile
Concen: 52.783 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.6	42.9	64.3	
67	71.1	57.4	86.0	
52	28.7	22.4	33.6	

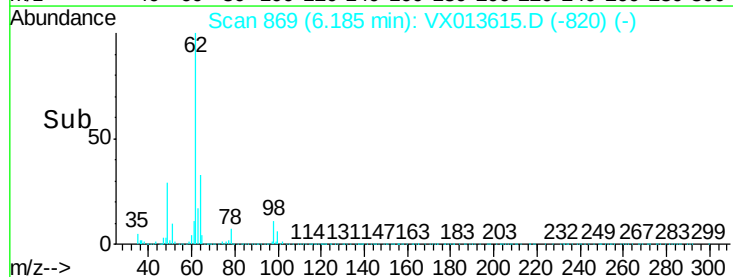
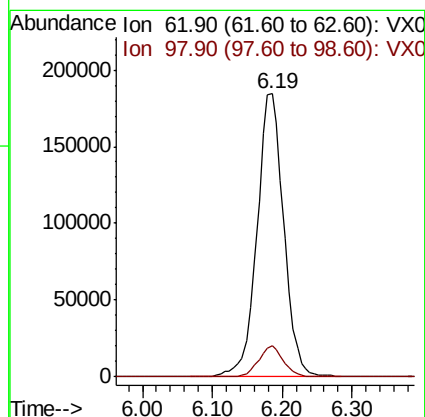
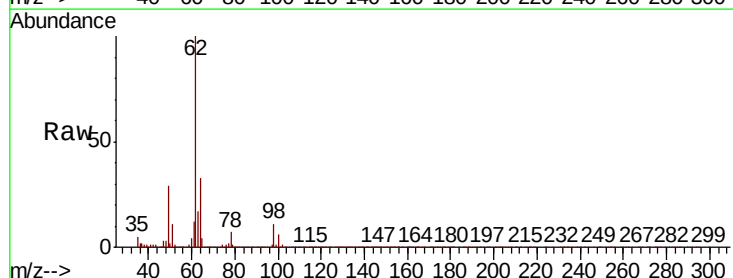
Manual Integrations
APPROVED

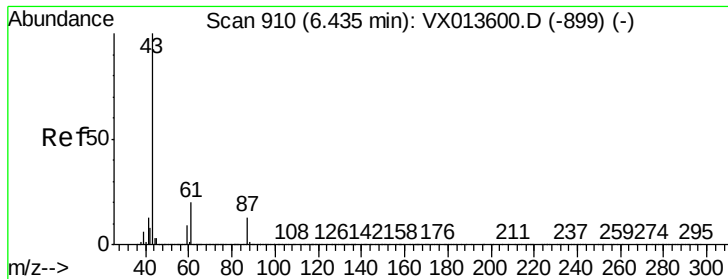
apatel
11/27/2019 3:45:43 PM



#42
1,2-Dichloroethane
Concen: 49.502 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.8	





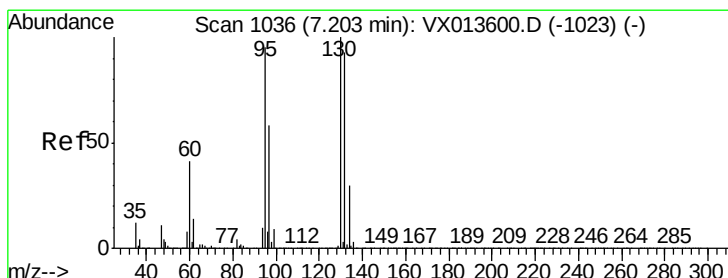
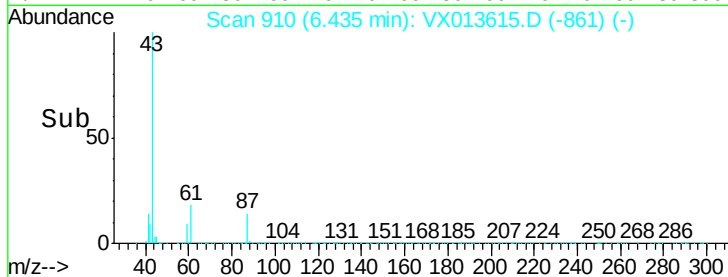
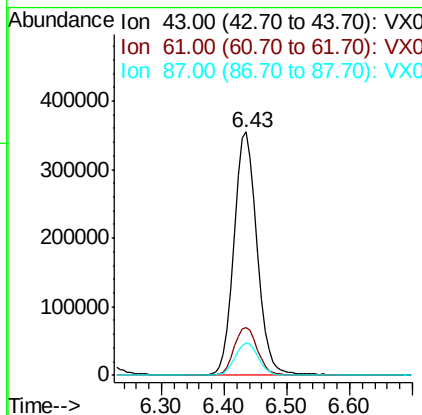
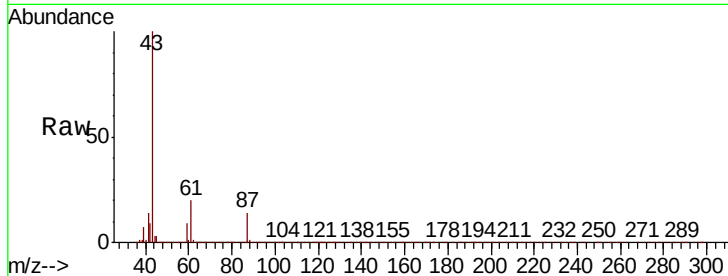
#43
Isopropyl Acetate
Concen: 51.451 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	902761
Ion Ratio		Lower	Upper
43	100		
61	20.1	16.3	24.5
87	13.3	10.8	16.2

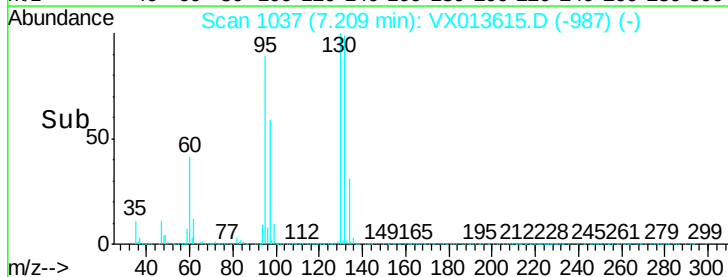
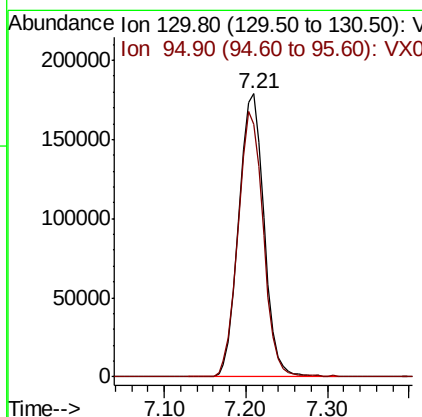
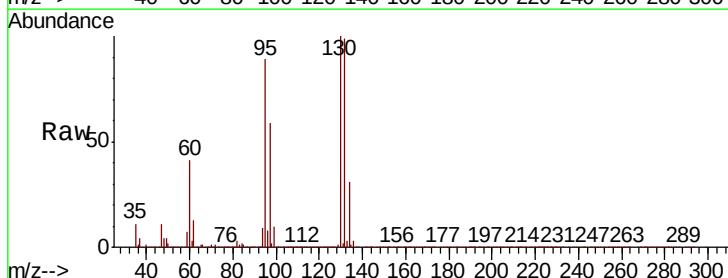
Manual Integrations
APPROVED

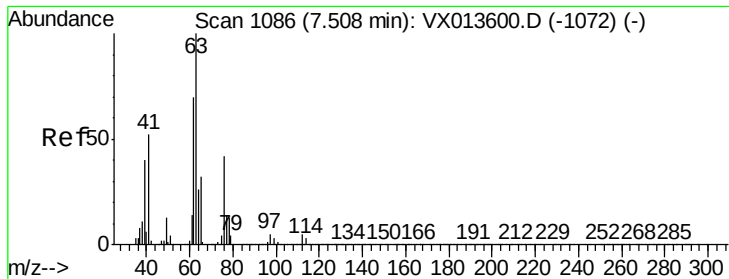
apatel
11/27/2019 3:45:43 PM



#44
Trichloroethene
Concen: 48.233 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion:	130	Resp:	383009
Ion Ratio		Lower	Upper
130	100		
95	89.2	0.0	190.8





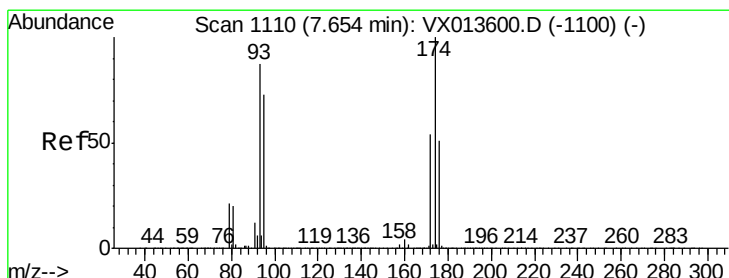
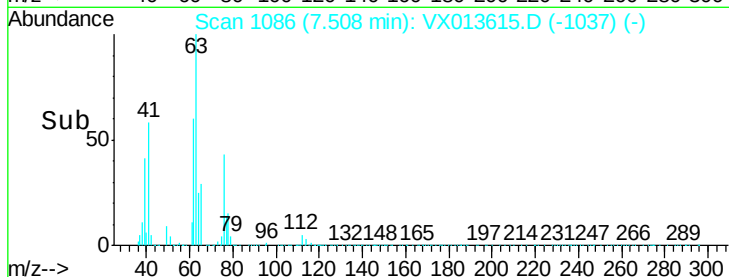
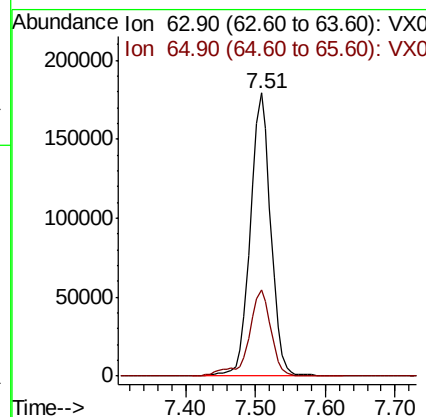
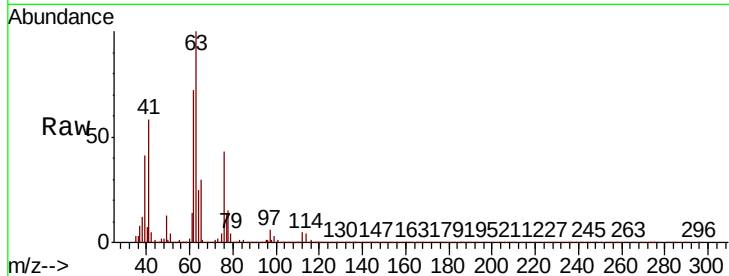
#45
 1,2-Dichloropropane
 Concen: 50.006 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013615.D
 Acq: 26 Nov 2019 22:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.5	38.3

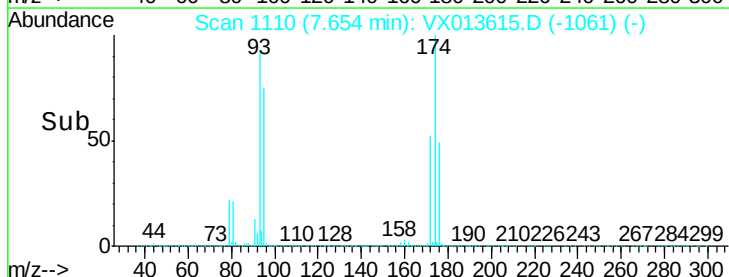
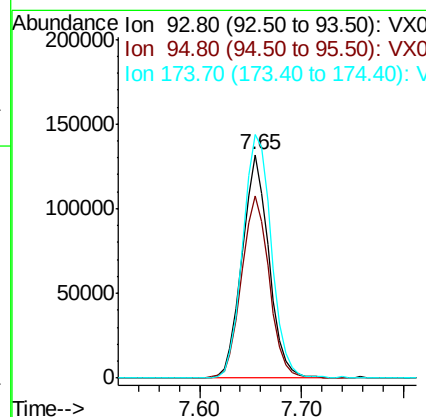
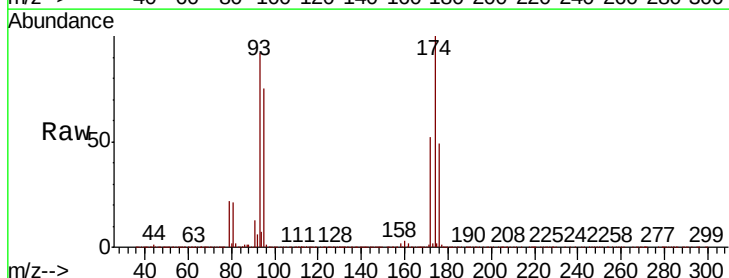
Manual Integrations
 APPROVED

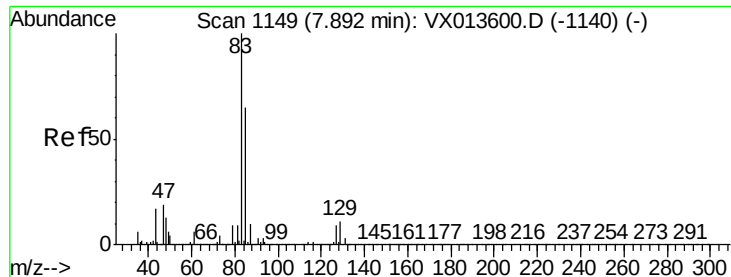
apatel
 11/27/2019 3:45:43 PM



#46
 Dibromomethane
 Concen: 48.820 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013615.D
 Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.2	99.2
174	116.7	93.4	140.0





#47

Bromodichloromethane

Concen: 49.968 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

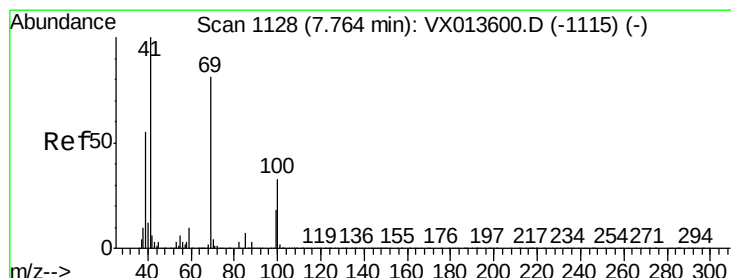
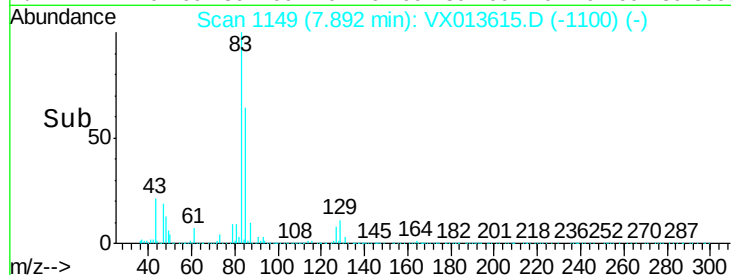
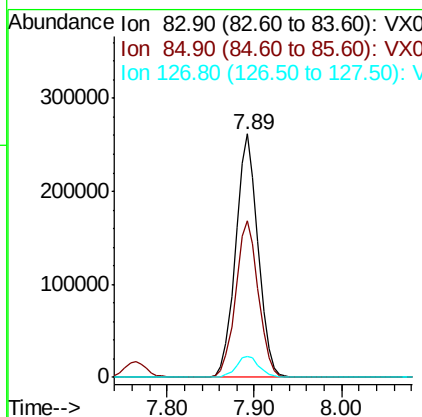
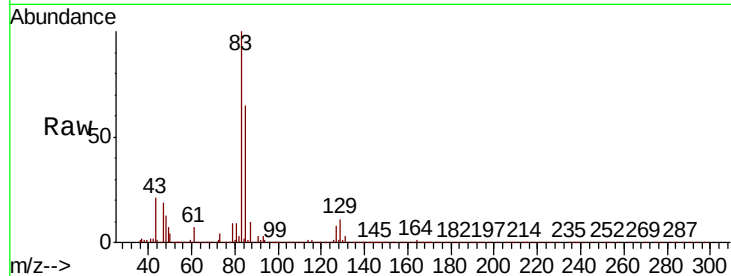
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	464442
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.1	78.1
127	8.4	7.0	10.4

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM



#48

Methyl methacrylate

Concen: 52.130 ug/l

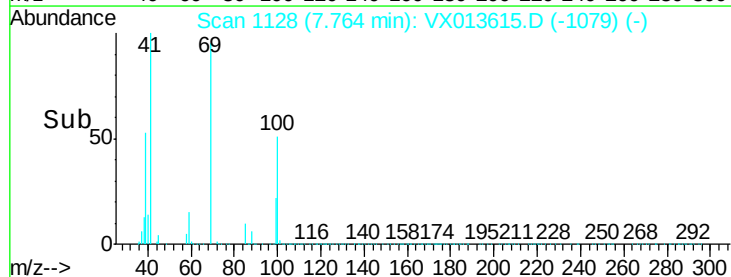
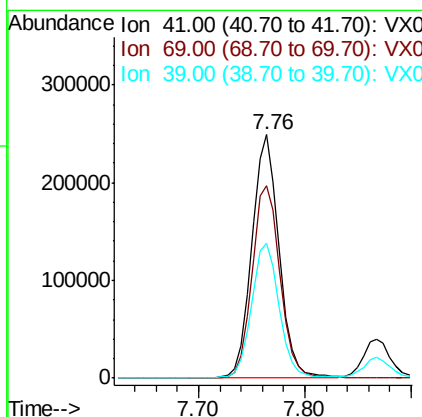
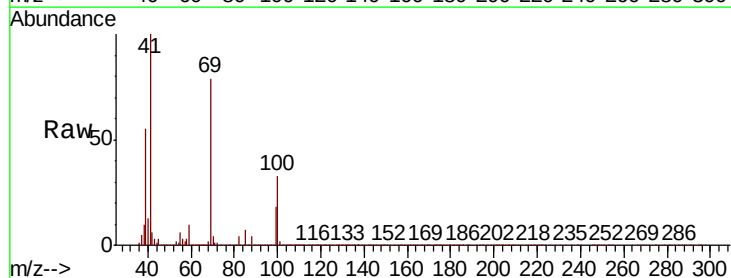
RT: 7.76 min Scan# 1128

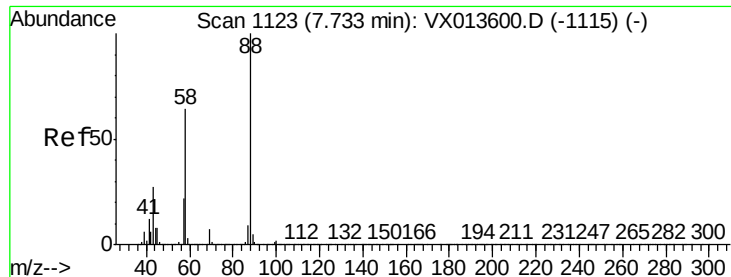
Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Tgt Ion:	41	Resp:	444418
Ion Ratio	Lower	Upper	
41	100		
69	81.8	64.7	97.1
39	56.2	43.8	65.6





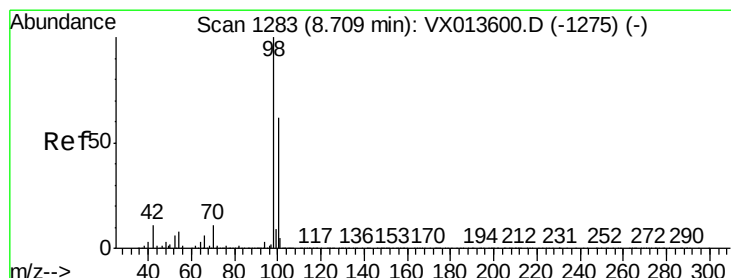
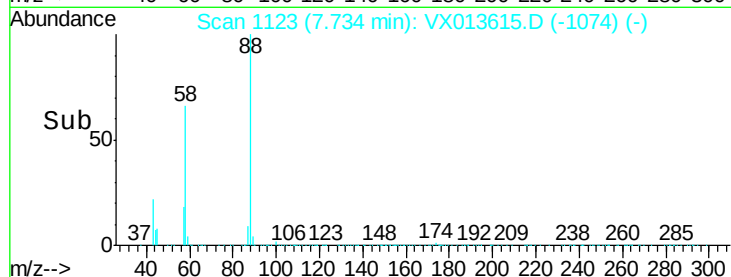
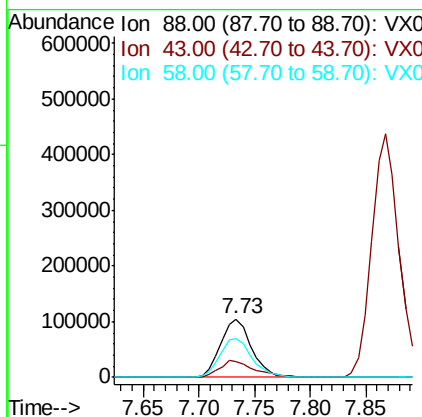
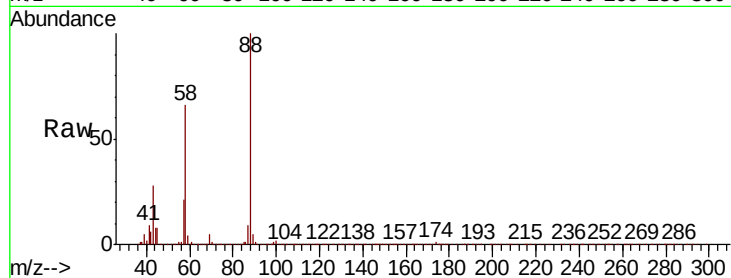
#49
1,4-Dioxane
Concen: 1048.866 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	200150
Ion Ratio	Lower	Upper	
88	100		
43	32.9	25.8	38.6
58	69.5	54.6	82.0

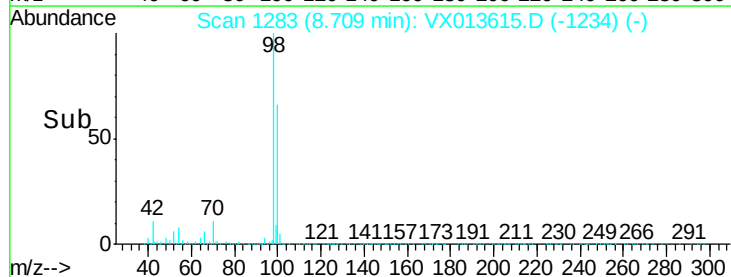
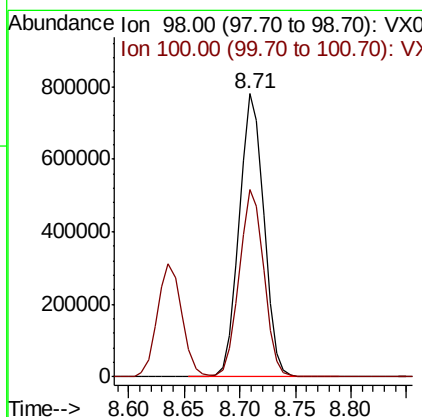
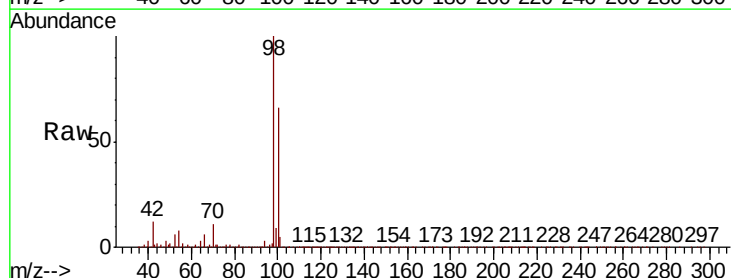
Manual Integrations
APPROVED

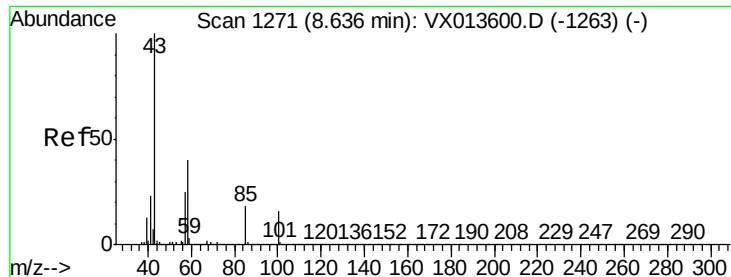
apatel
11/27/2019 3:45:43 PM



#50
Toluene-d8
Concen: 47.552 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	98	Resp	1198682
Ion Ratio	Lower	Upper	
98	100		
100	66.1	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 257.875 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2846108

Ion Ratio Lower Upper

43 100

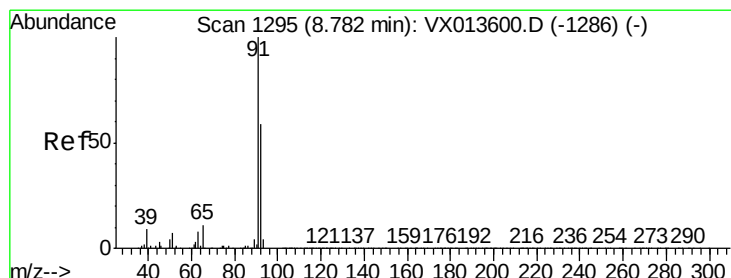
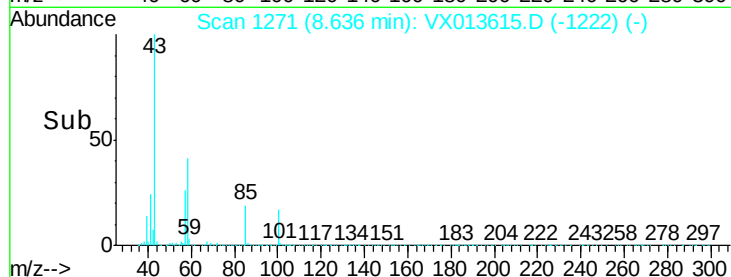
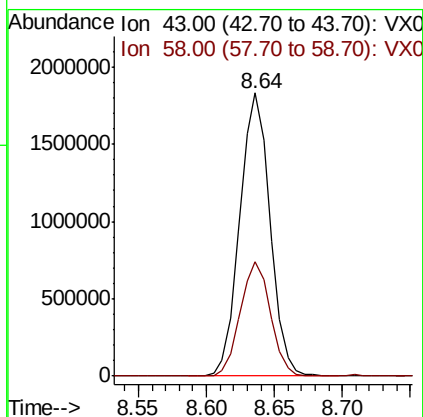
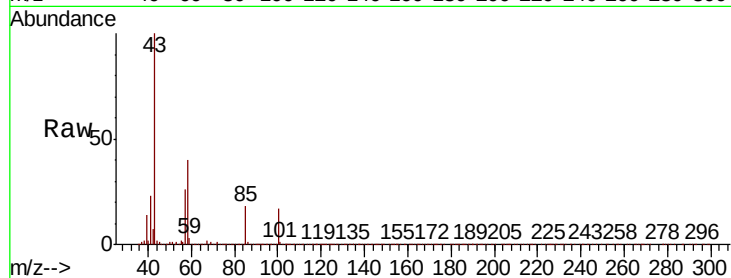
58 40.3 32.1 48.1

Manual Integrations

APPROVED

apatel

11/27/2019 3:45:43 PM



#52

Toluene

Concen: 49.452 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013615.D

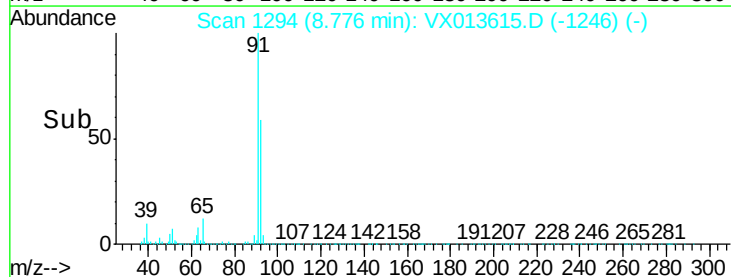
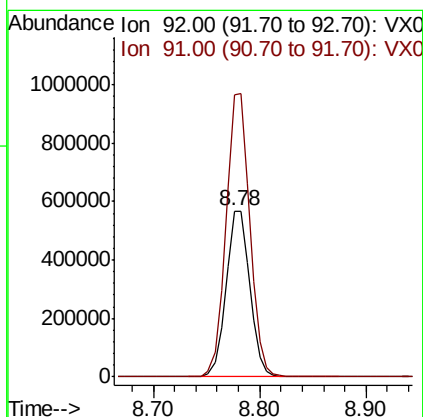
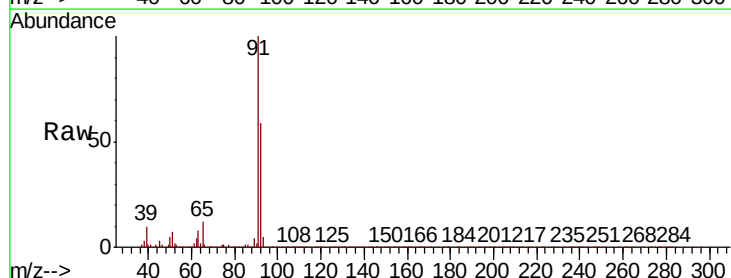
Acq: 26 Nov 2019 22:02

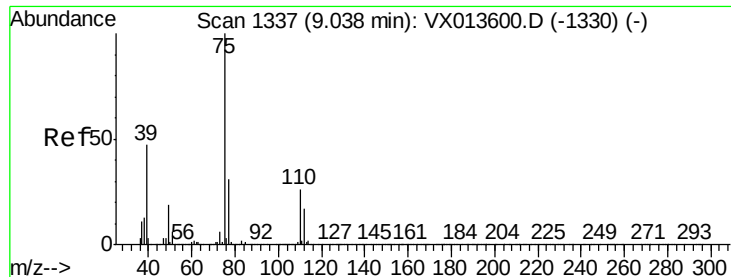
Tgt Ion: 92 Resp: 888895

Ion Ratio Lower Upper

92 100

91 170.8 136.2 204.2





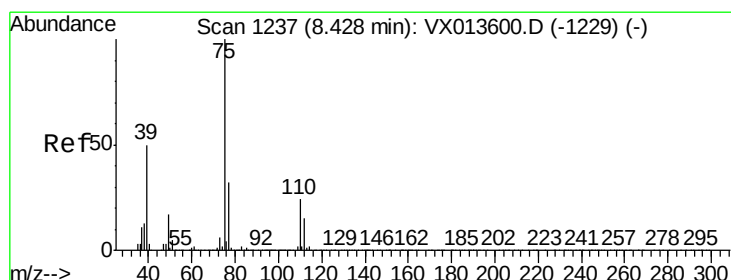
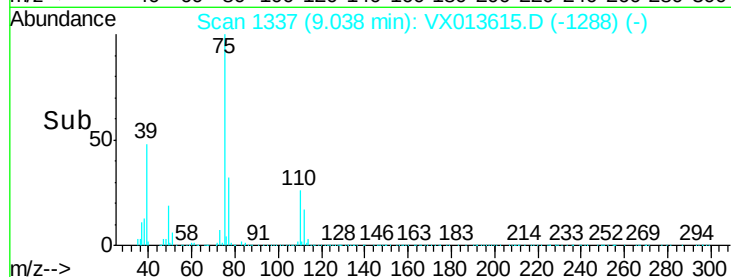
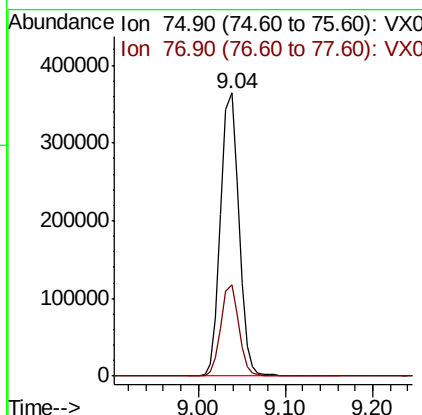
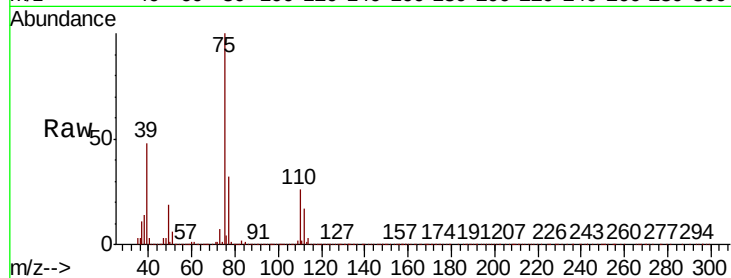
#53
t-1,3-Dichloropropene
Concen: 49.951 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.4	36.6

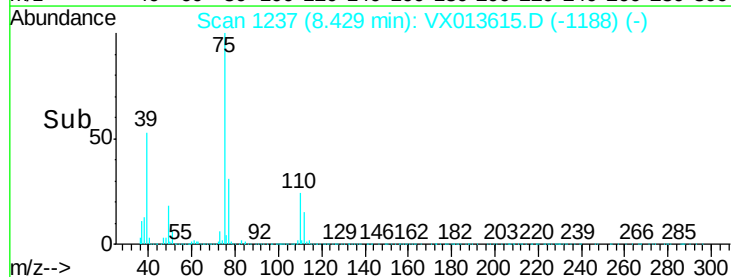
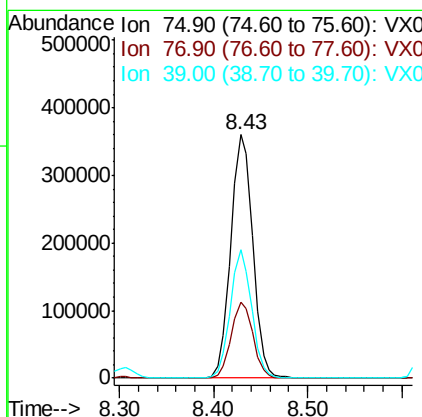
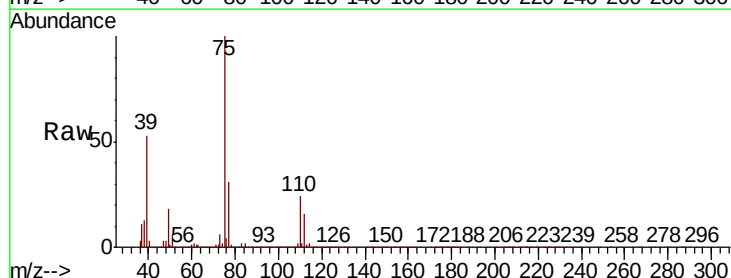
Manual Integrations
APPROVED

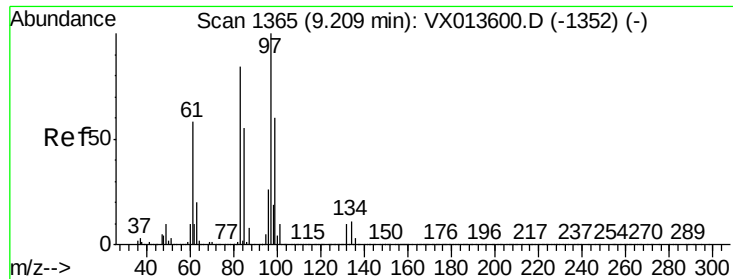
apatel
11/27/2019 3:45:43 PM



#54
cis-1,3-Dichloropropene
Concen: 50.466 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	52.8	39.9	59.9





#55

1,1,2-Trichloroethane

Concen: 50.136 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

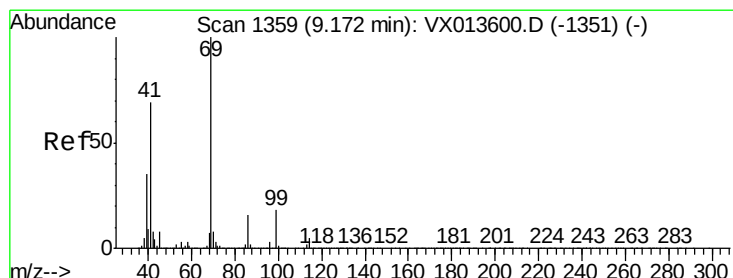
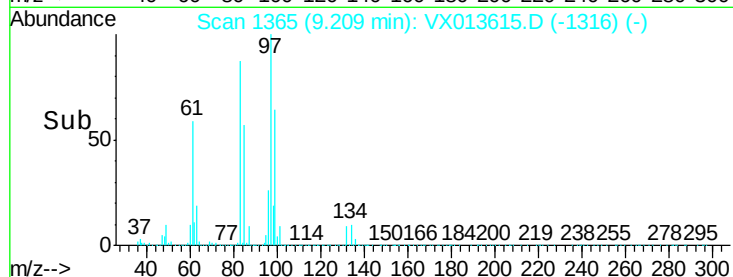
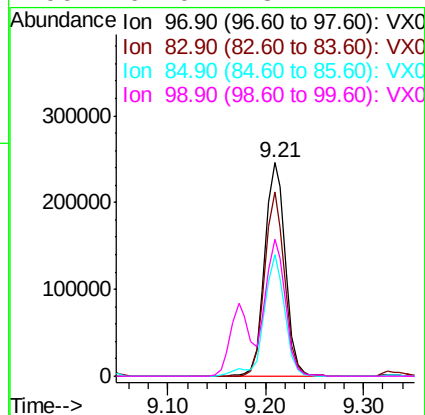
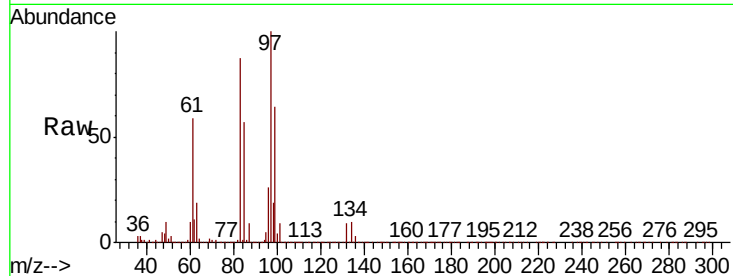
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		363162		
83	86.5	67.3	100.9		
85	56.8	43.6	65.4		
99	64.0	48.2	72.4		

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM



#56

Ethyl methacrylate

Concen: 52.209 ug/l

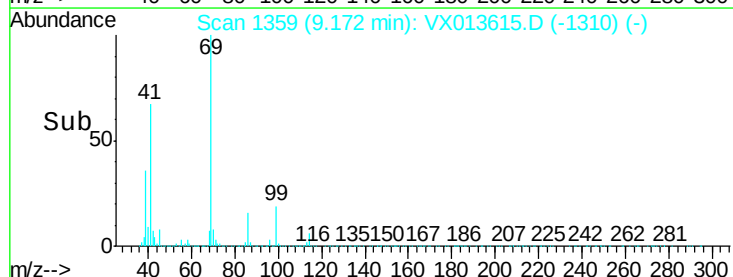
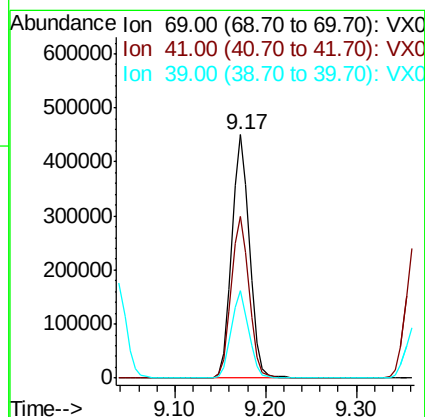
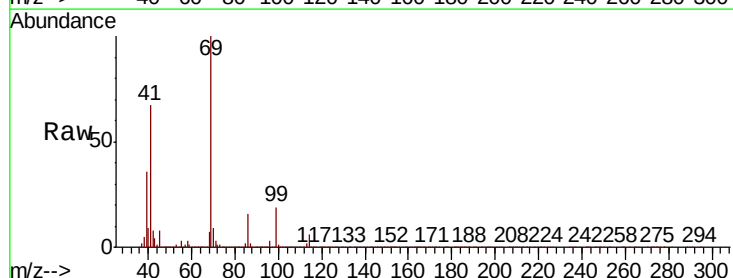
RT: 9.17 min Scan# 1359

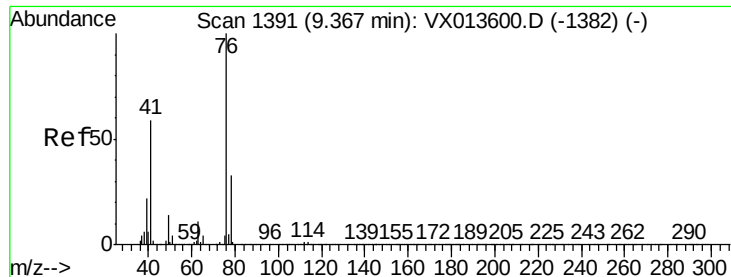
Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		608015		
41	67.5	55.0	82.4		
39	35.5	28.7	43.1		





#57

1,3-Dichloropropane

Concen: 48.889 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 610413

Ion Ratio Lower Upper

76 100

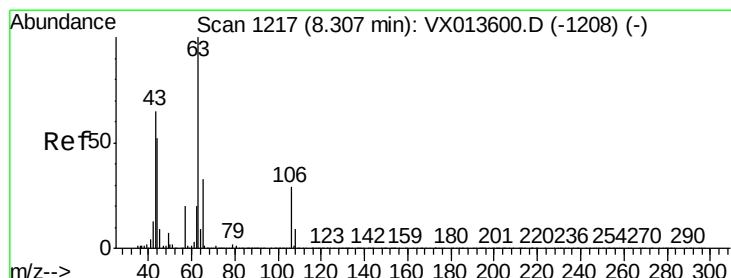
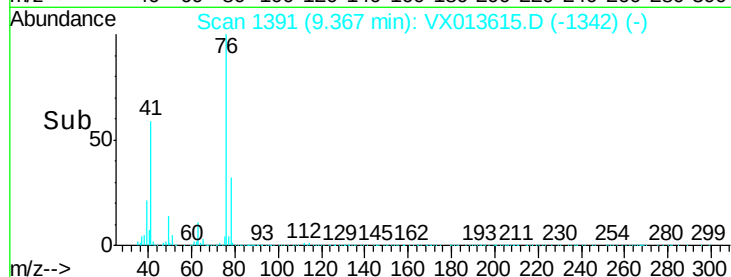
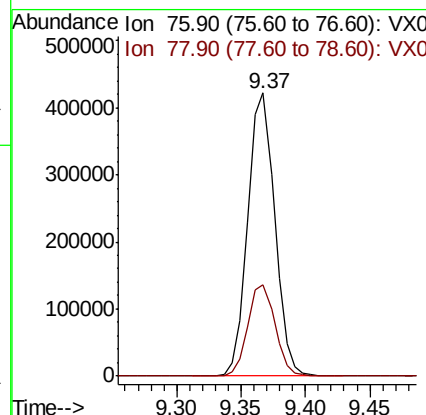
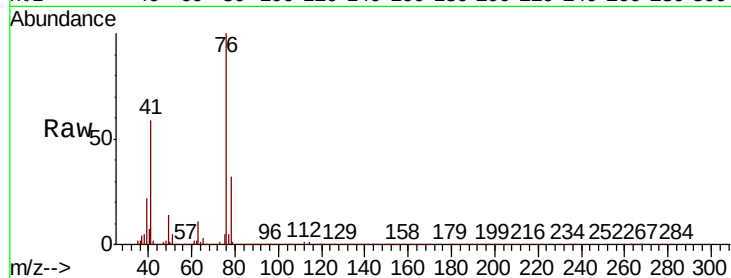
78 32.5 26.0 39.0

Manual Integrations

APPROVED

apatel

11/27/2019 3:45:43 PM



#58

2-Chloroethyl Vinyl ether

Concen: 253.325 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013615.D

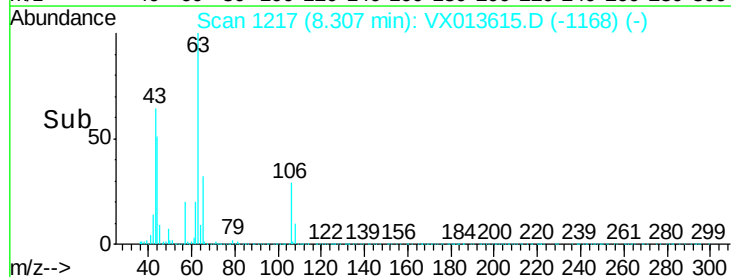
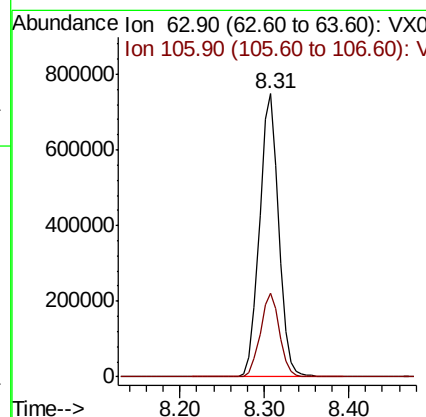
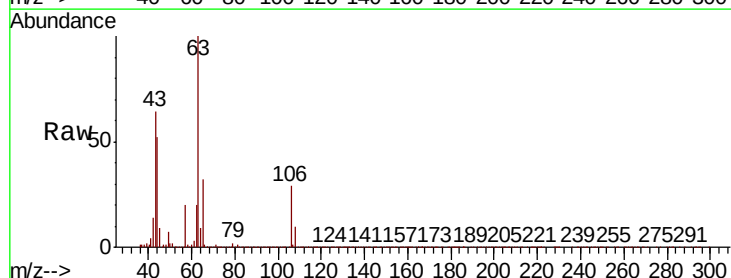
Acq: 26 Nov 2019 22:02

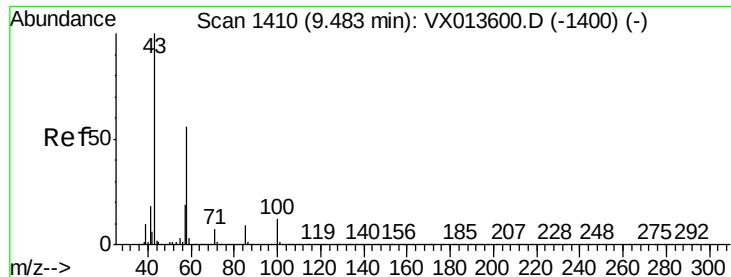
Tgt Ion: 63 Resp: 1156696

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.0





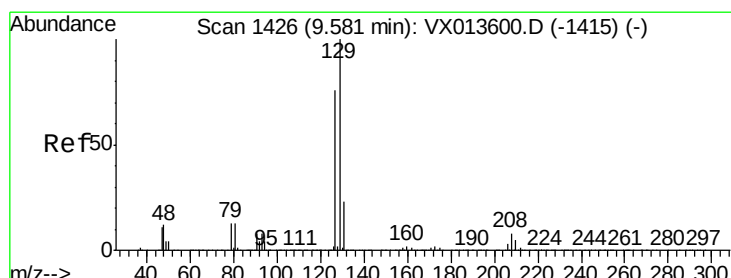
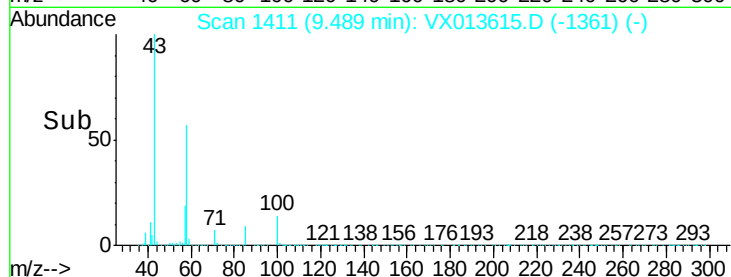
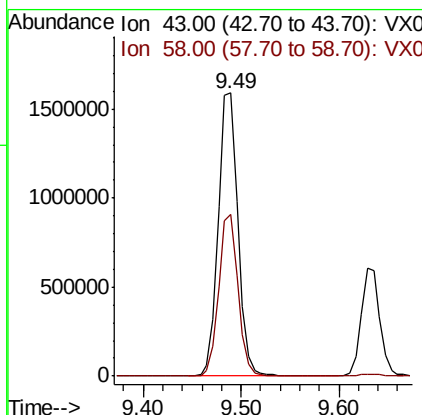
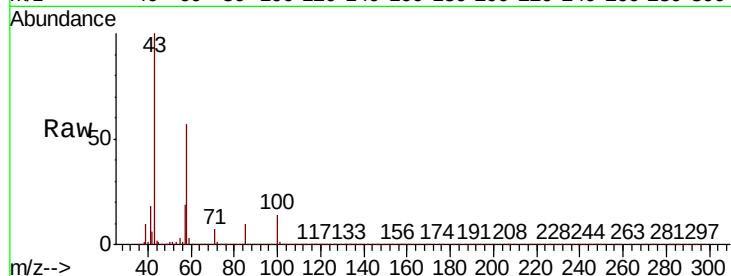
#59
2-Hexanone
Concen: 257.545 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2216908
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.4

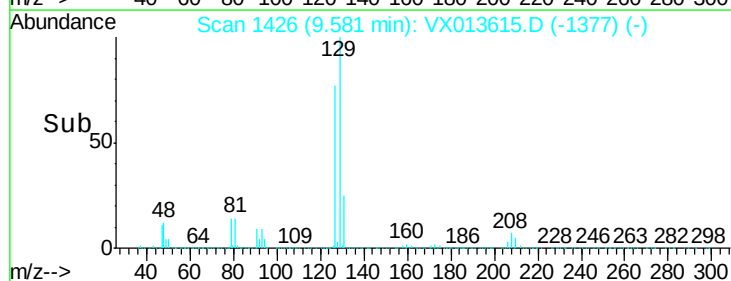
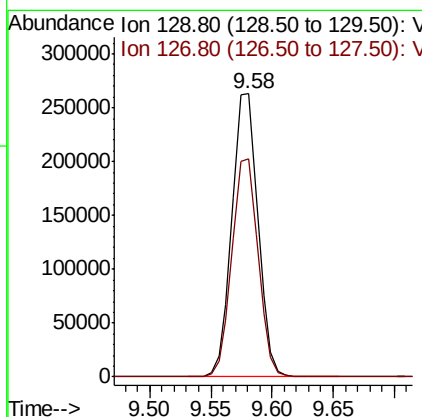
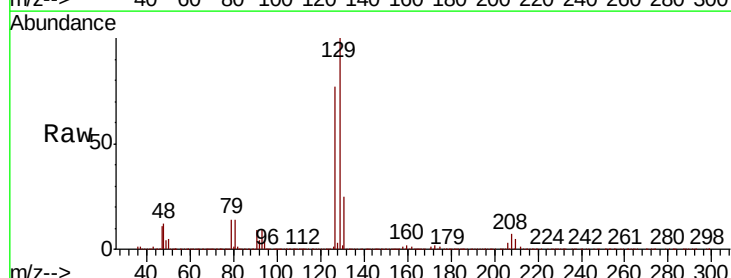
Manual Integrations
APPROVED

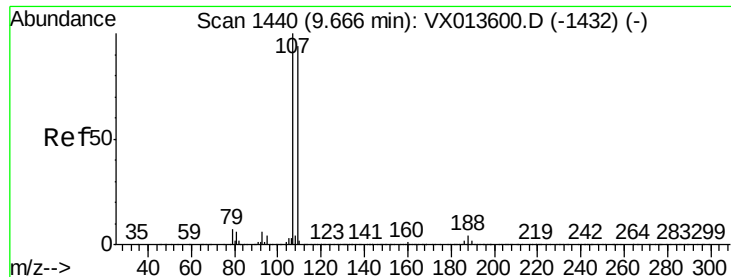
apatel
11/27/2019 3:45:43 PM



#60
Dibromochloromethane
Concen: 51.632 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion: 129 Resp: 388139
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.410 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 382260

Ion Ratio Lower Upper

107 100

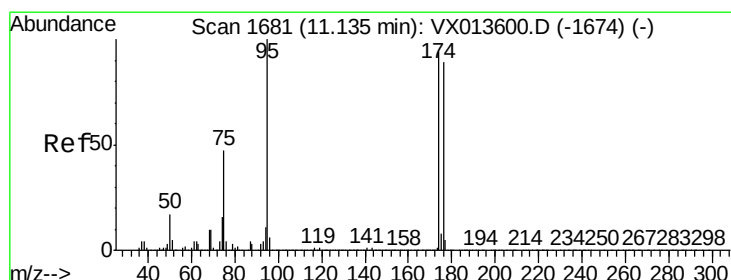
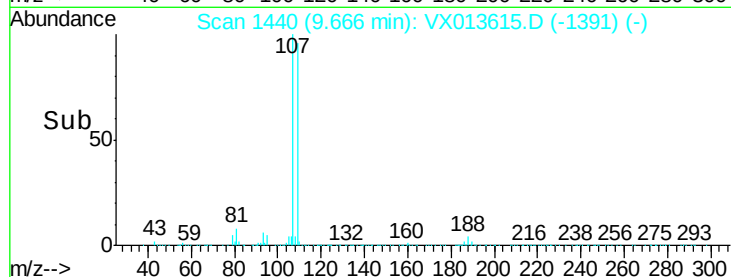
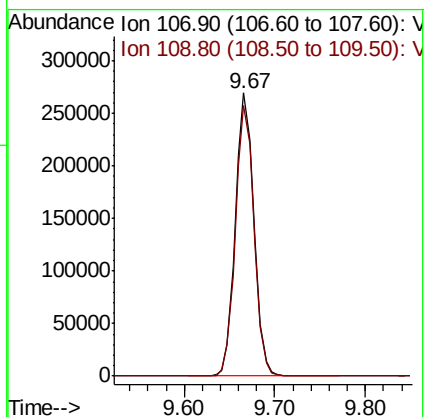
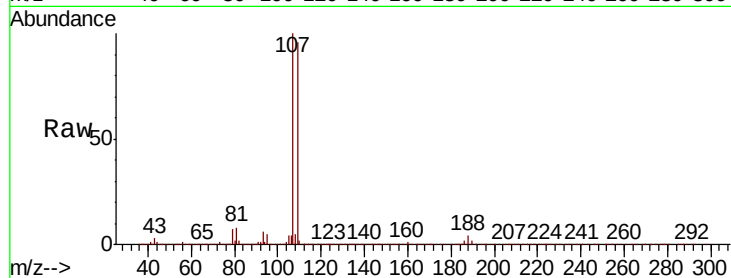
109 95.7 76.1 114.1

Manual Integrations

APPROVED

apatel

11/27/2019 3:45:43 PM



#62

4-Bromofluorobenzene

Concen: 47.110 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

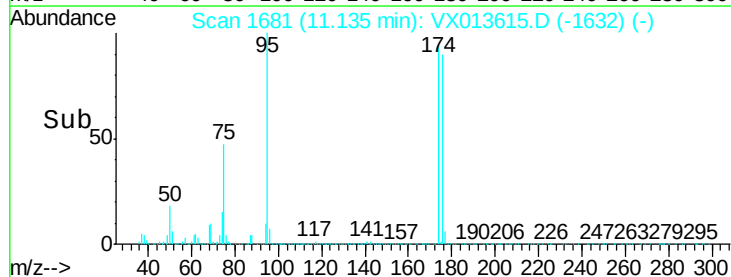
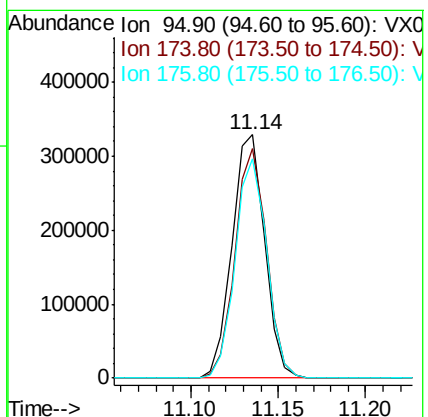
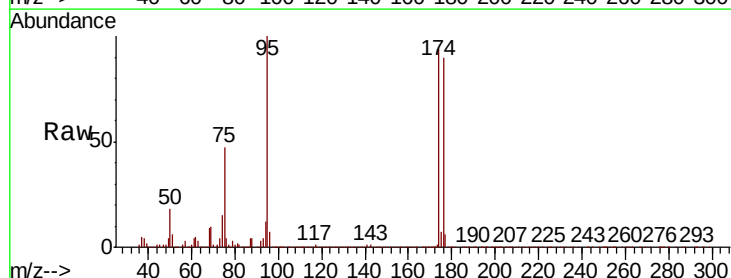
Tgt Ion: 95 Resp: 428226

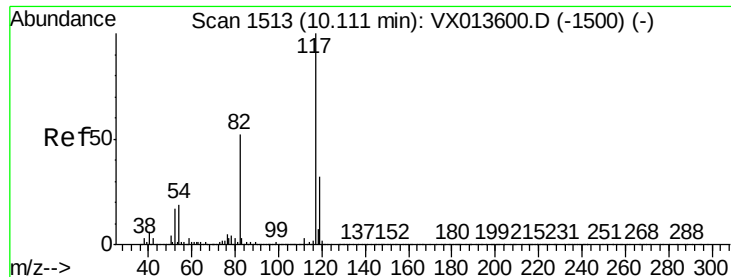
Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.0

176 87.4 0.0 173.6





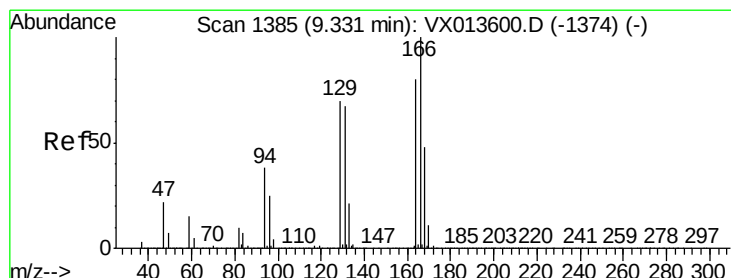
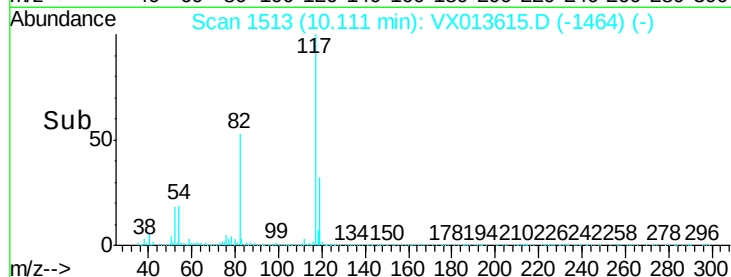
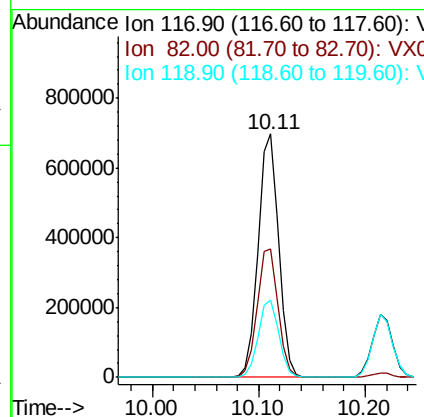
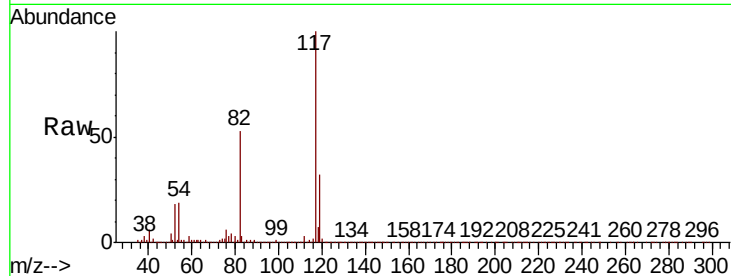
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.8
119	31.7	25.8	38.8

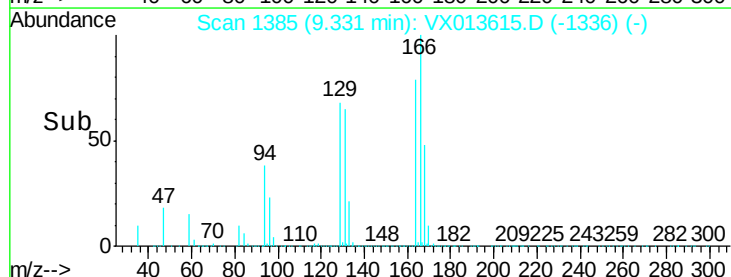
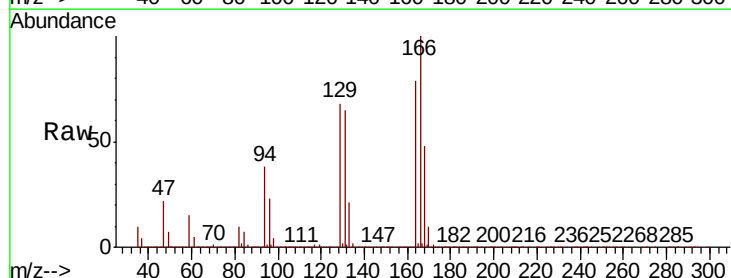
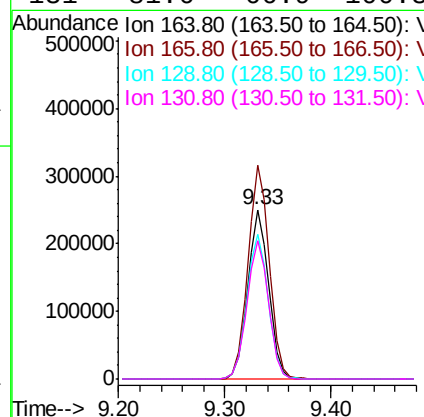
Manual Integrations
APPROVED

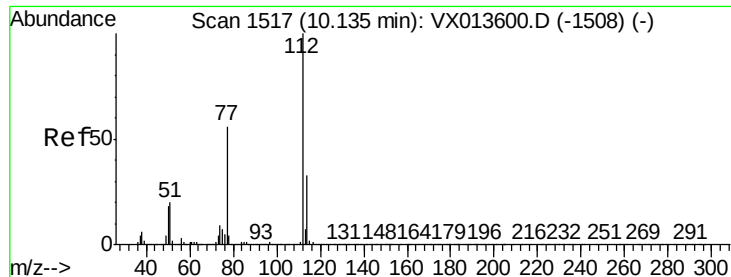
apatel
11/27/2019 3:45:43 PM



#64
Tetrachloroethene
Concen: 49.227 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	99.7	149.5
129	85.6	70.1	105.1
131	81.6	66.9	100.3





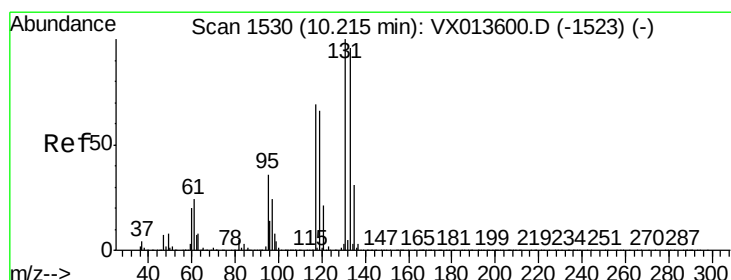
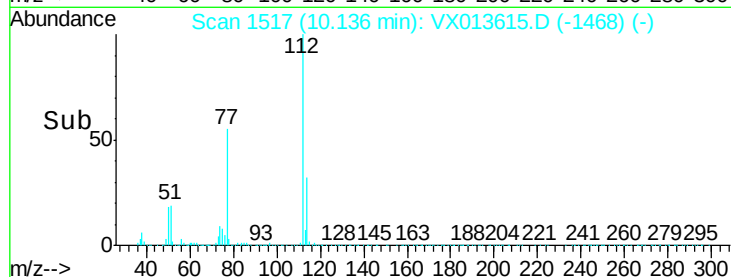
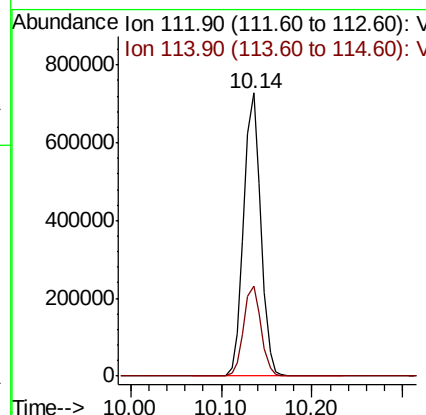
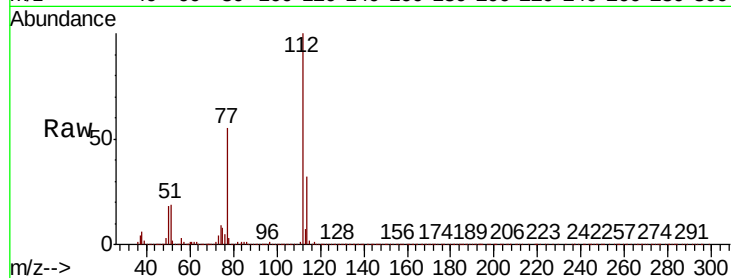
#65
Chlorobenzene
Concen: 49.043 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.1	39.1

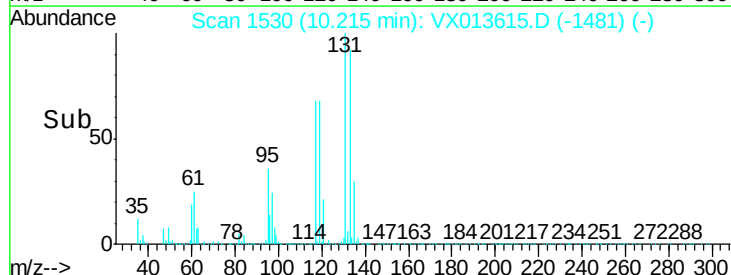
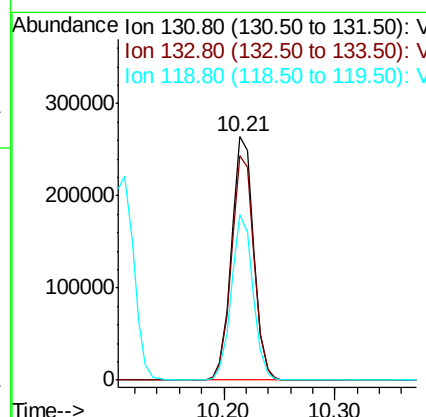
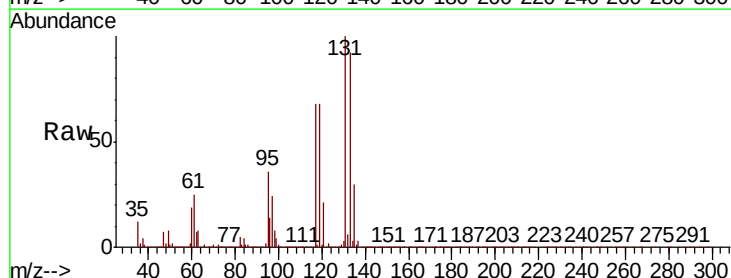
Manual Integrations
APPROVED

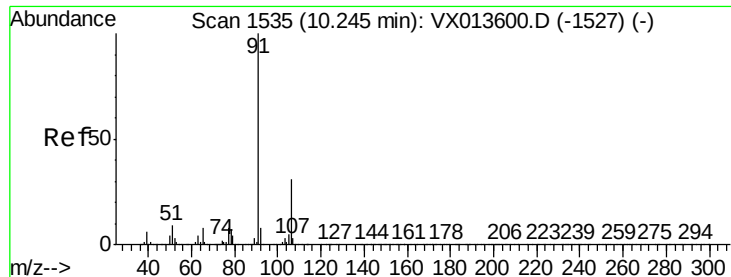
apatel
11/27/2019 3:45:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.489 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.7	143.1
119	66.1	32.9	98.6





#67

Ethyl Benzene

Concen: 50.499 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1698731

Ion Ratio Lower Upper

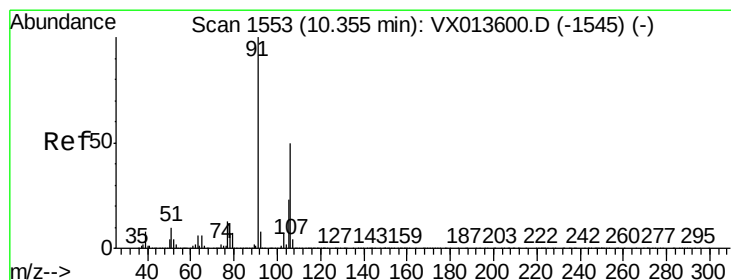
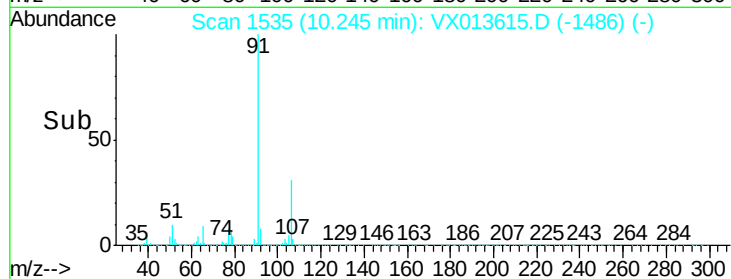
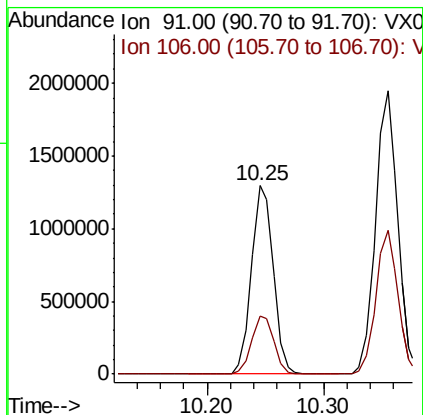
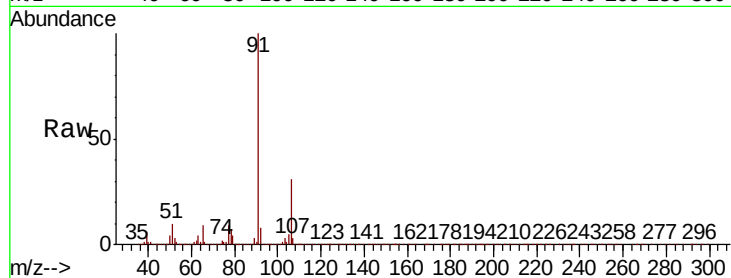
91 100

106 31.0 24.5 36.7

Manual Integrations
APPROVED

apatel

11/27/2019 3:45:43 PM



#68

m/p-Xylenes

Concen: 101.245 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013615.D

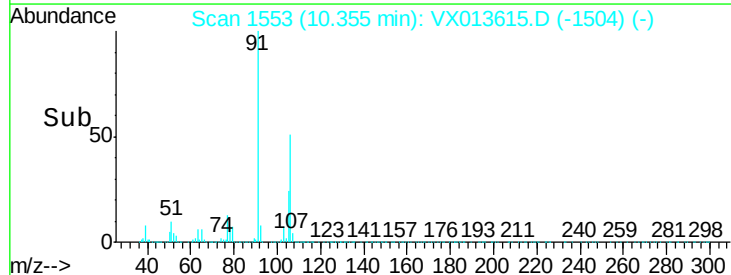
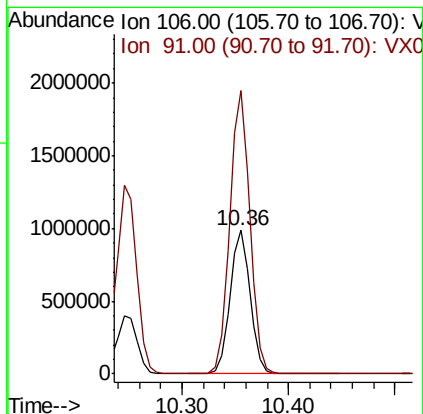
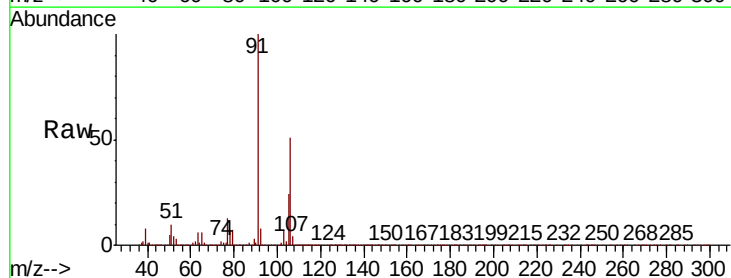
Acq: 26 Nov 2019 22:02

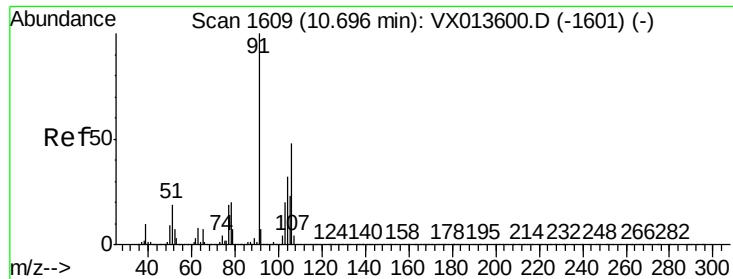
Tgt Ion: 106 Resp: 1303910

Ion Ratio Lower Upper

106 100

91 197.7 159.0 238.4





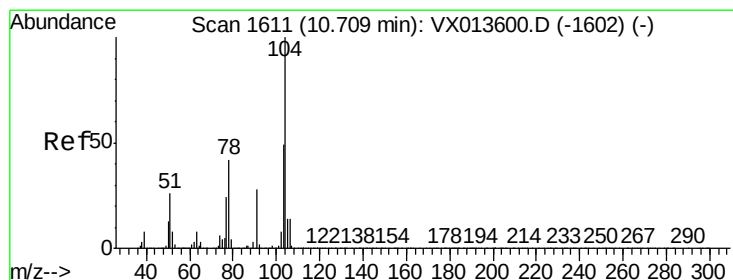
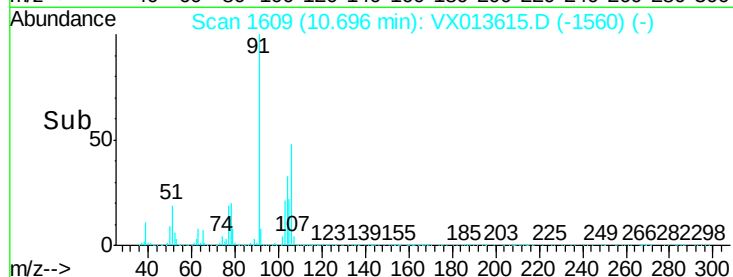
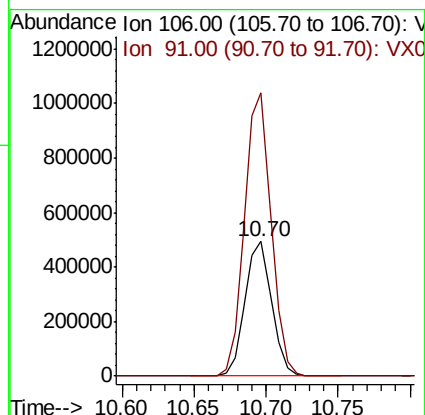
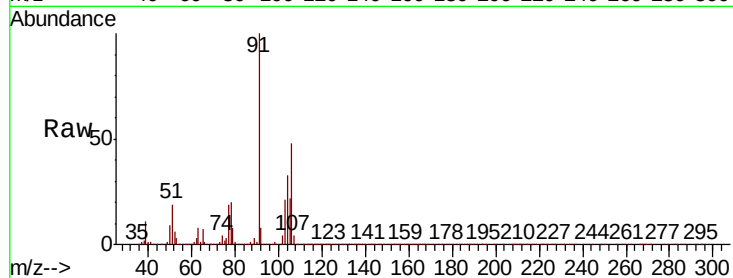
#69
o-Xylene
Concen: 50.071 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.1	104.1	312.2

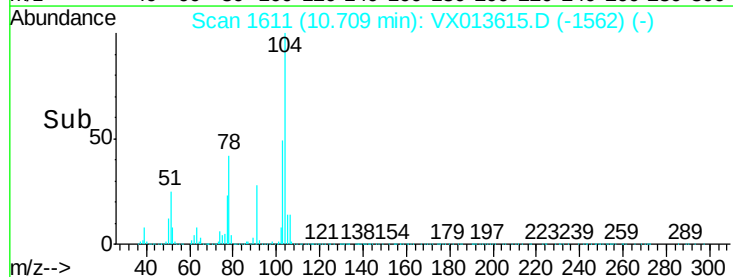
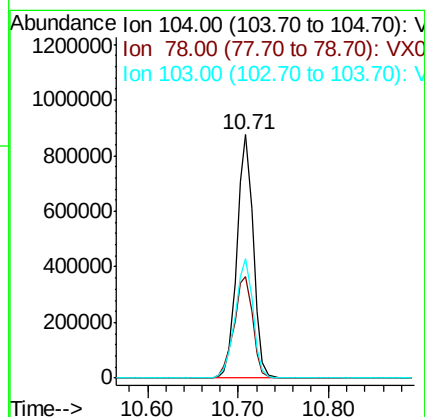
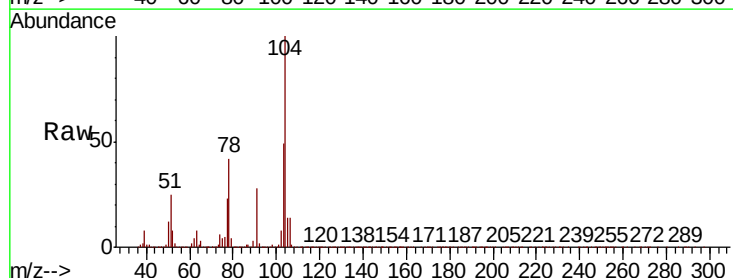
Manual Integrations
APPROVED

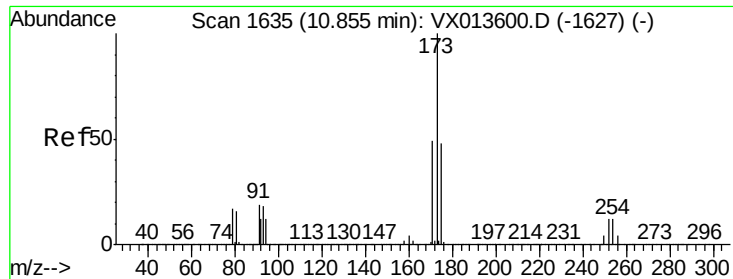
apatel
11/27/2019 3:45:43 PM



#70
Styrene
Concen: 51.699 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	53.6	43.7	65.5





#71

Bromoform

Concen: 51.924 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 302005

Ion Ratio Lower Upper

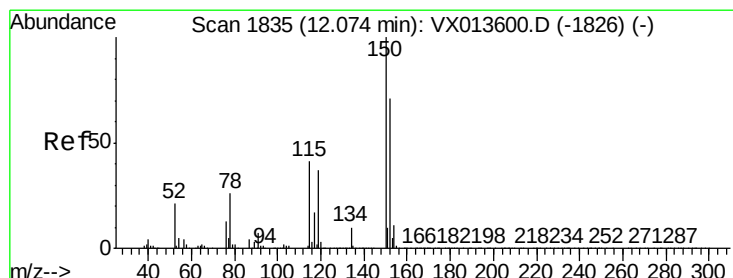
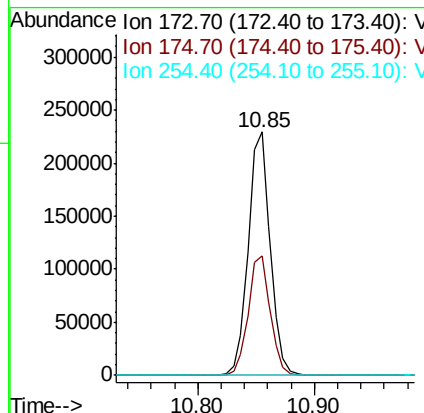
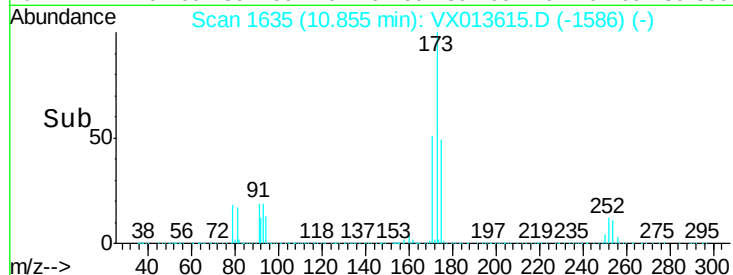
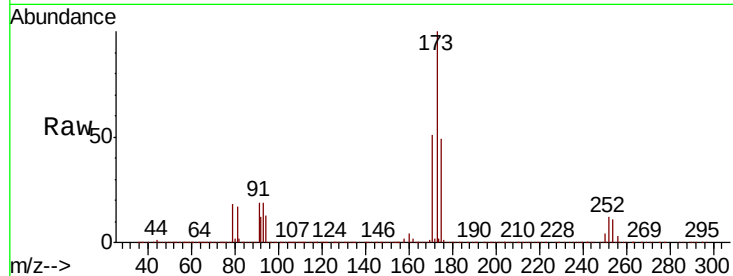
173 100

175 49.2 24.3 72.8

254 0.2 0.2 0.4

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

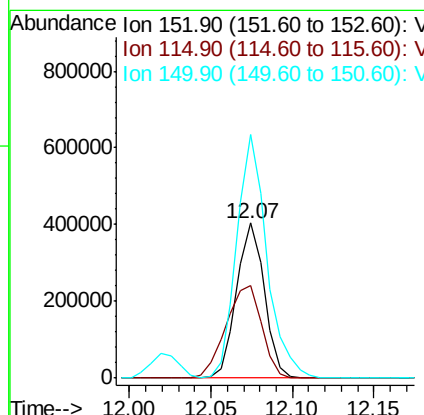
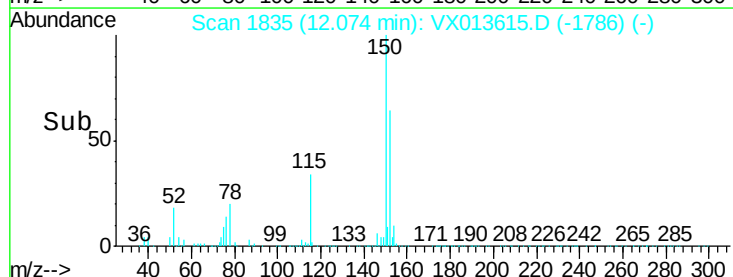
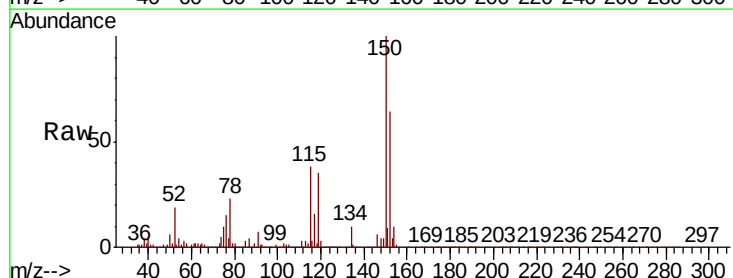
Tgt Ion:152 Resp: 480409

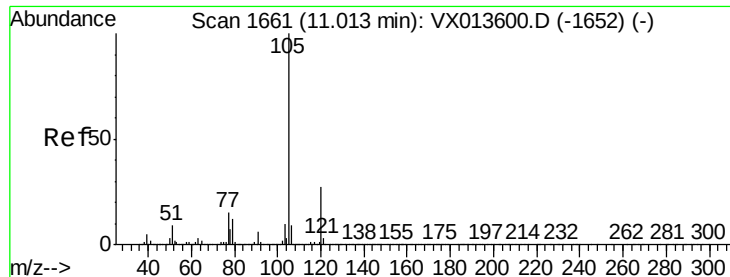
Ion Ratio Lower Upper

152 100

115 76.7 38.4 115.1

150 170.0 0.0 346.8





#73

Isopropylbenzene

Concen: 49.020 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1651904

Ion Ratio Lower Upper

105 100

120 27.1

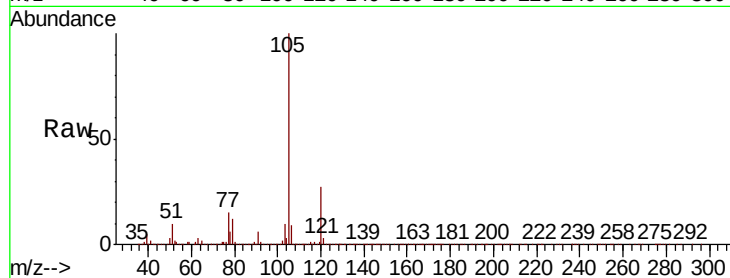
13.5 40.5

Manual Integrations

APPROVED

apatel

11/27/2019 3:45:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

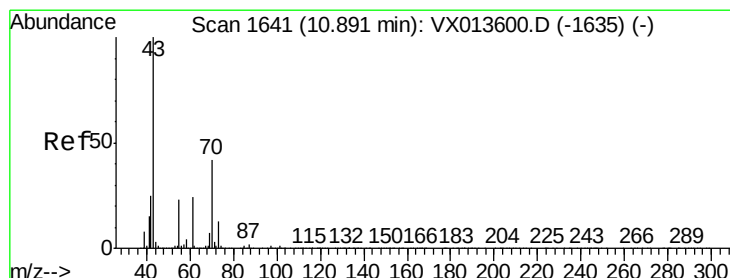
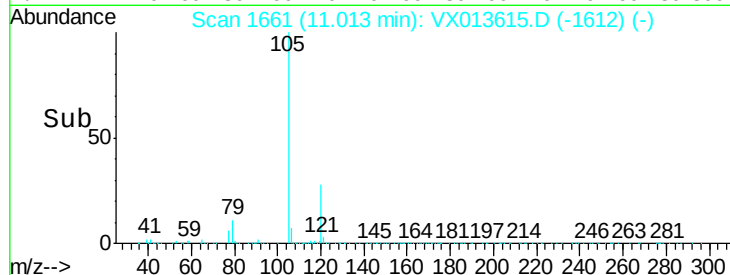
11.01

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 51.147 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Tgt Ion: 43 Resp: 789560

Ion Ratio Lower Upper

43 100

70 43.9

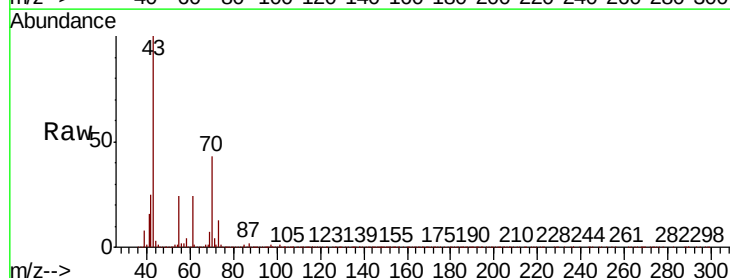
34.3 51.5

55 23.9

18.5 27.7

61 25.0

19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

1000000

10.89

800000

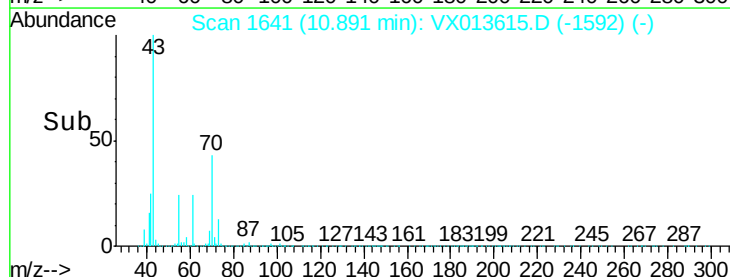
600000

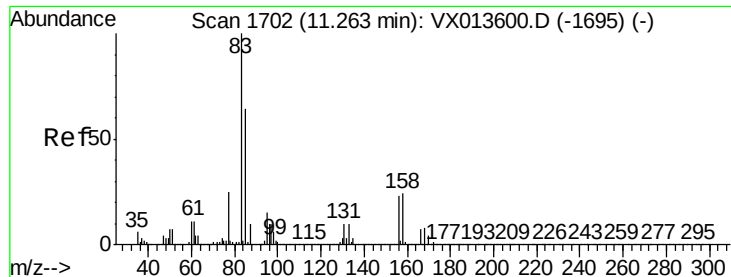
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.285 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 587658

Ion Ratio Lower Upper

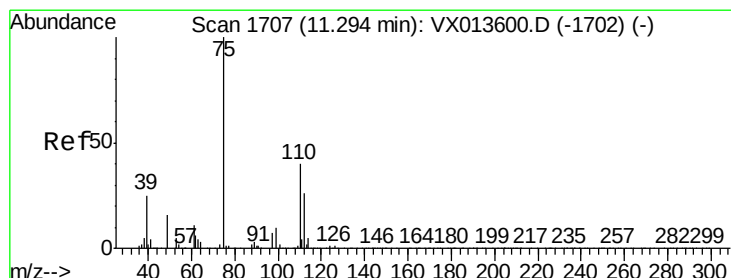
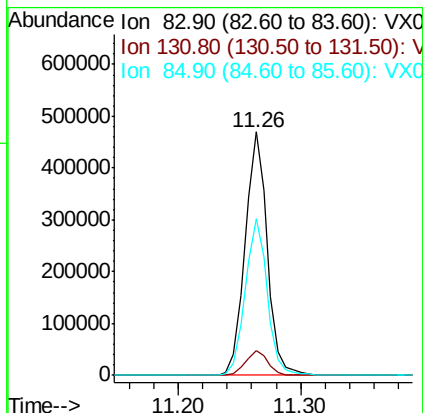
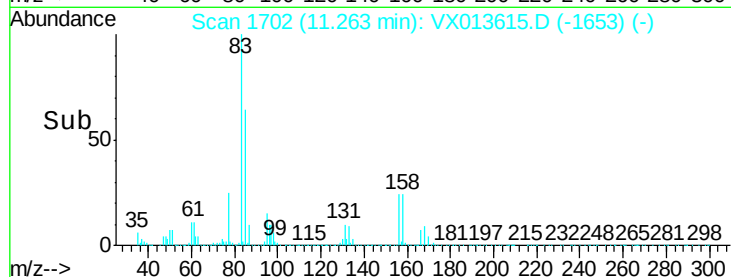
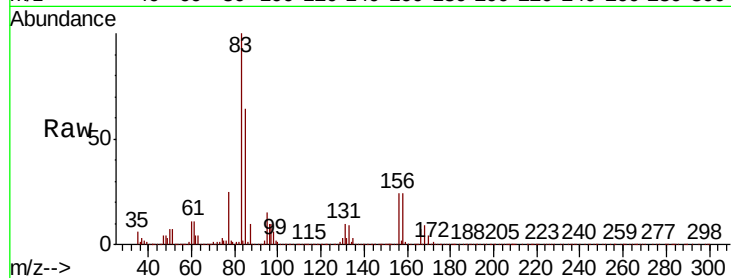
83 100

131 10.2 5.1 15.3

85 64.3 31.8 95.3

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM



#76

1,2,3-Trichloropropane

Concen: 42.953 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013615.D

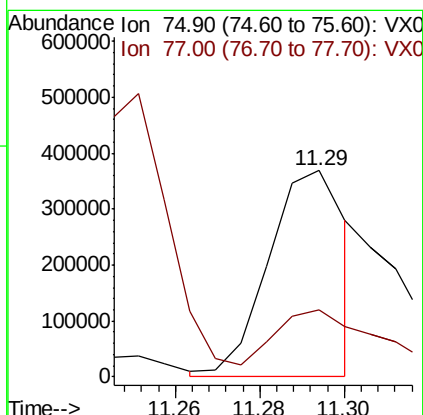
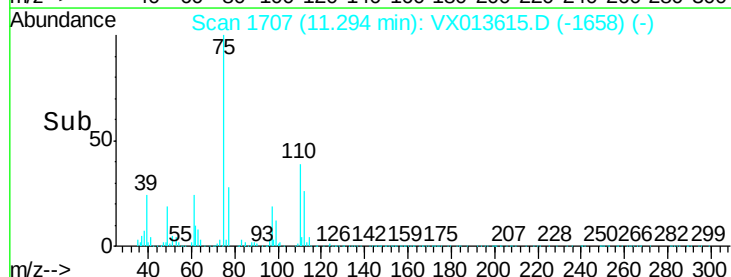
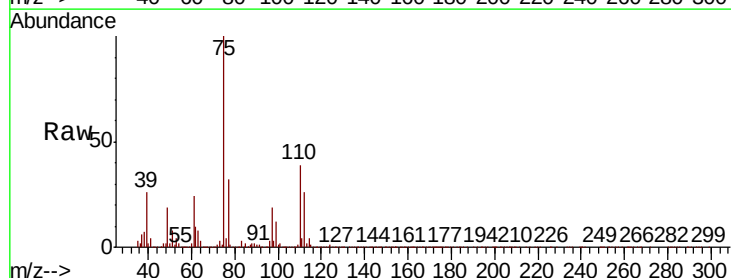
Acq: 26 Nov 2019 22:02

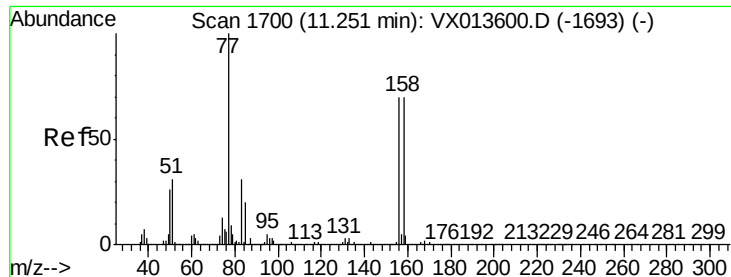
Tgt Ion: 75 Resp: 464123

Ion Ratio Lower Upper

75 100

77 44.9 19.1 57.5





#77

Bromobenzene

Concen: 48.734 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

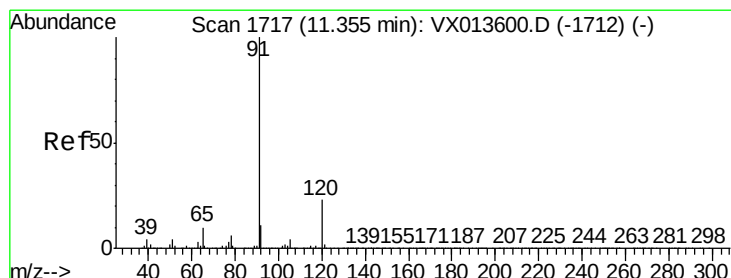
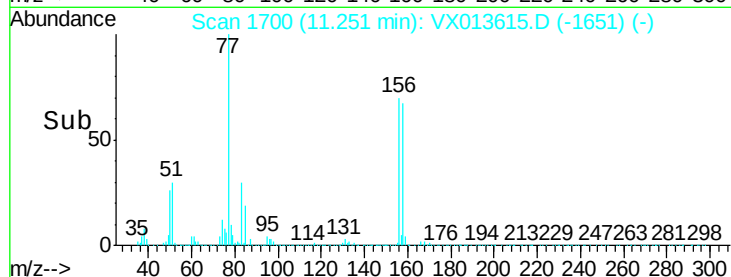
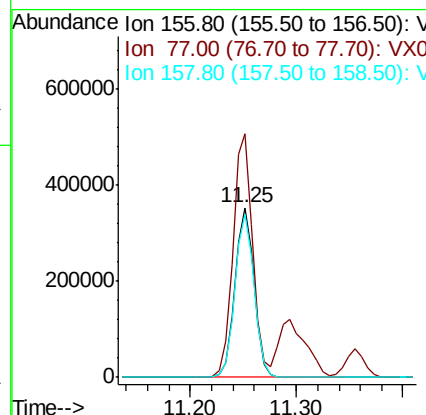
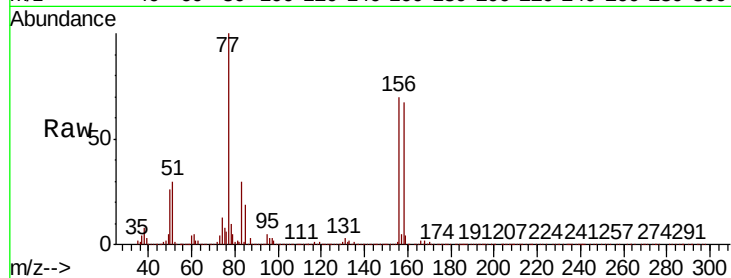
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	443665
Ion Ratio	Lower	Upper	
156	100		
77	146.8	74.4	223.1
158	96.6	48.9	146.6

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM



#78

n-propylbenzene

Concen: 49.536 ug/l

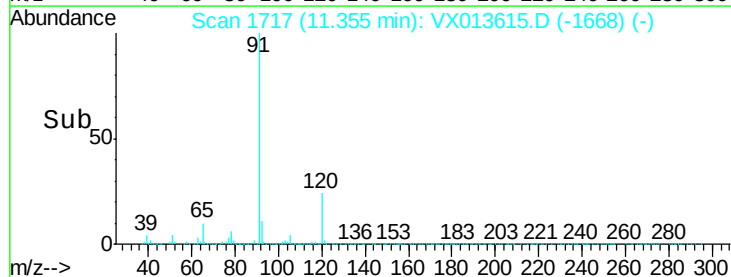
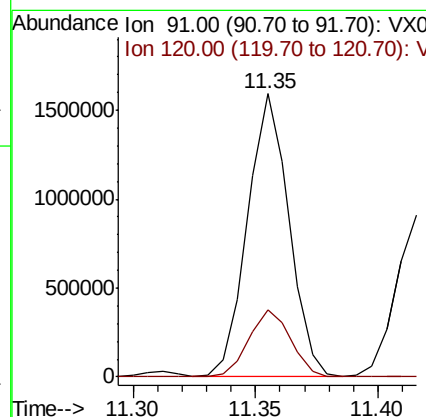
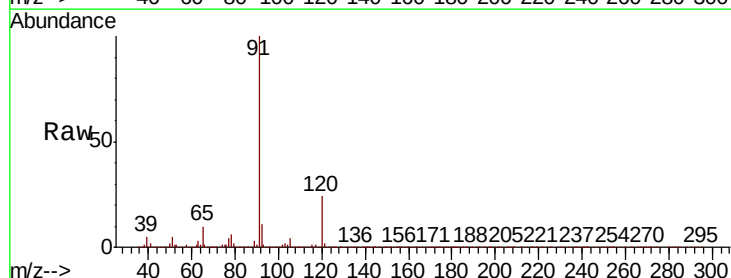
RT: 11.35 min Scan# 1717

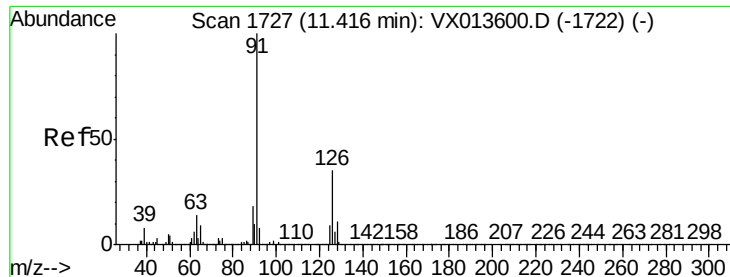
Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Tgt Ion:	91	Resp:	1863462
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.3





#79

2-Chlorotoluene

Concen: 49.032 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1106456

Ion Ratio Lower Upper

91 100

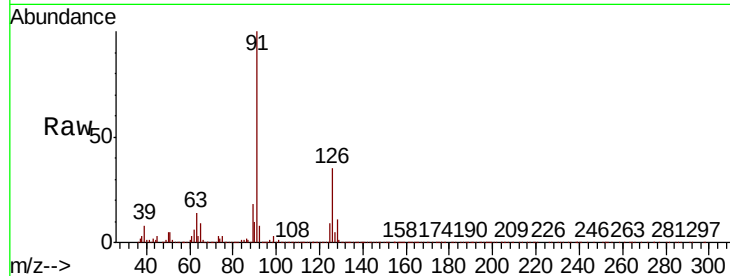
126 35.5 17.5 52.5

Manual Integrations

APPROVED

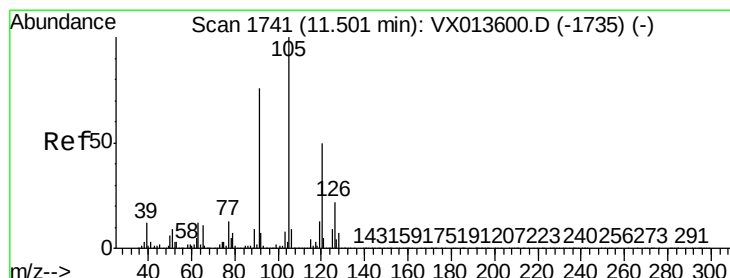
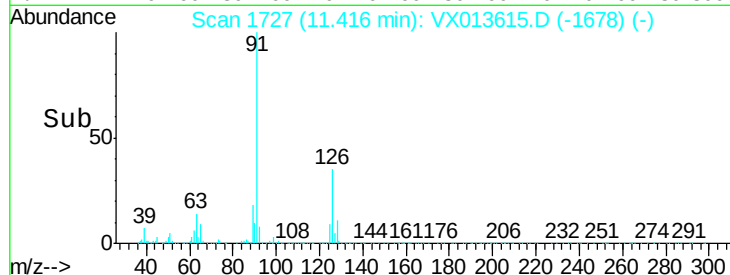
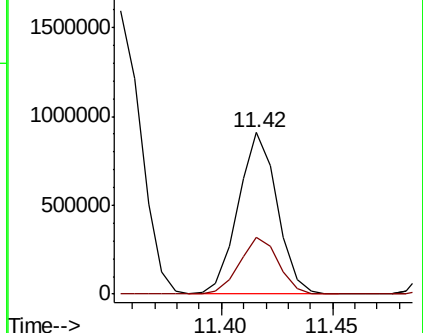
apatel

11/27/2019 3:45:43 PM



Abundance Ion 91.00 (90.70 to 91.70): VX013600.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX013600.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.139 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013615.D

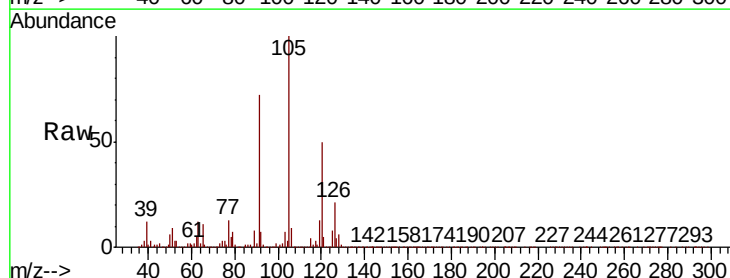
Acq: 26 Nov 2019 22:02

Tgt Ion: 105 Resp: 1384791

Ion Ratio Lower Upper

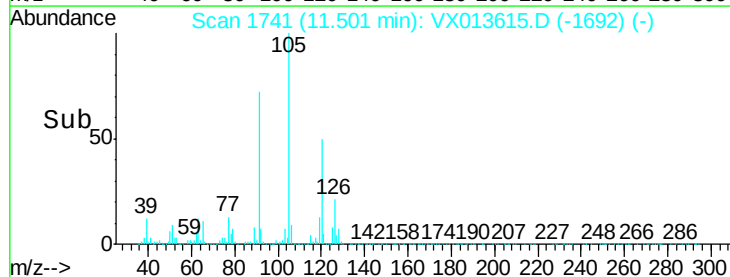
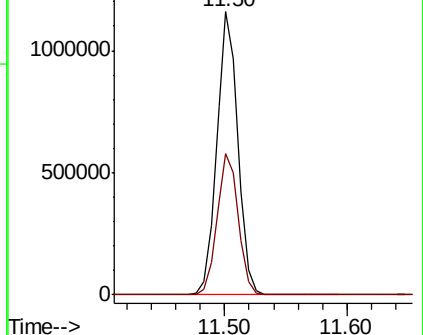
105 100

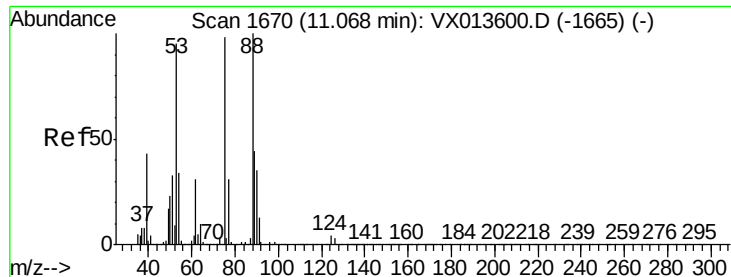
120 50.6 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX013600.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013600.D (-1735) (-)





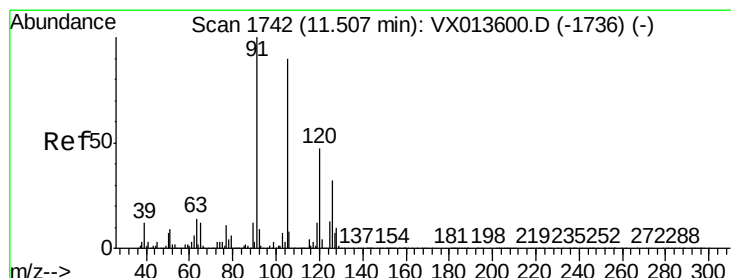
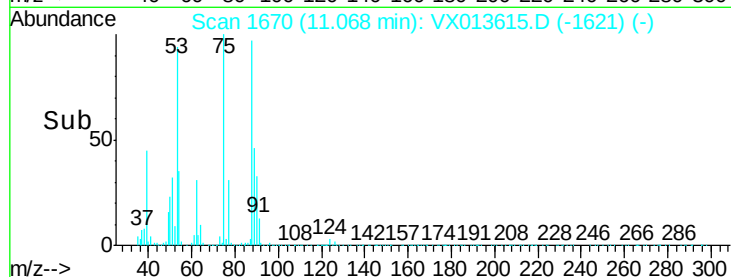
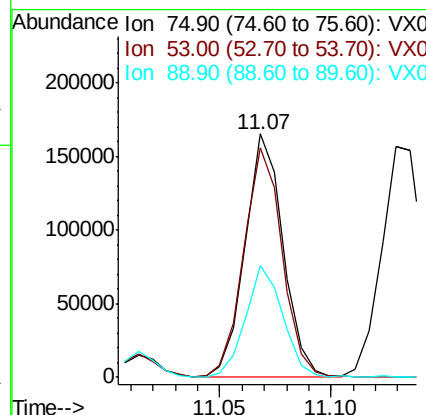
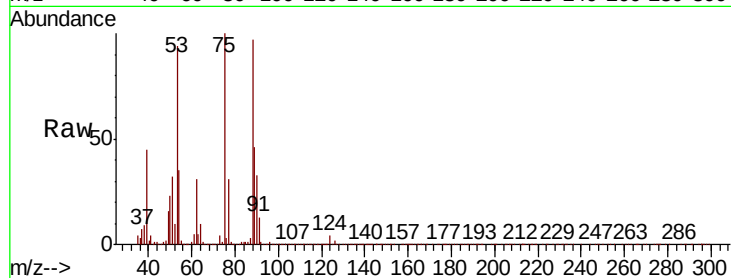
#81
trans-1,4-Dichloro-2-butene
Concen: 49.799 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	78.2	117.2
89	45.9	35.4	53.2

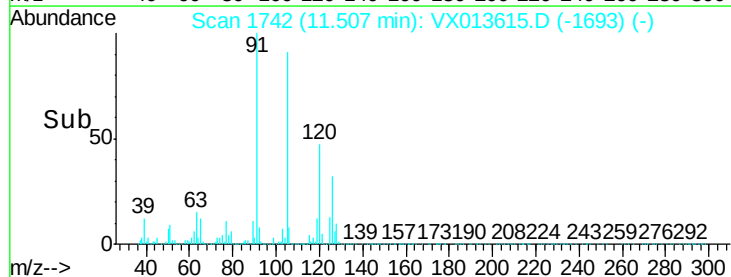
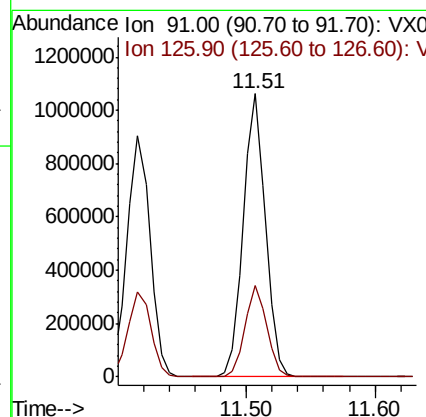
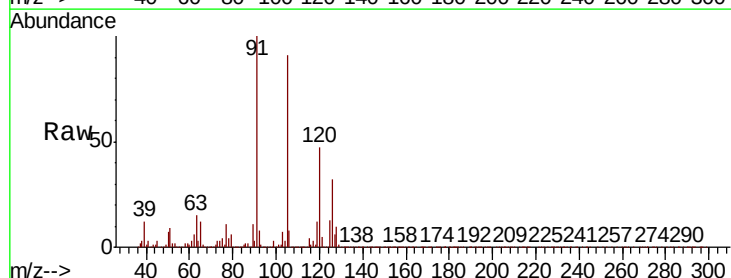
Manual Integrations
APPROVED

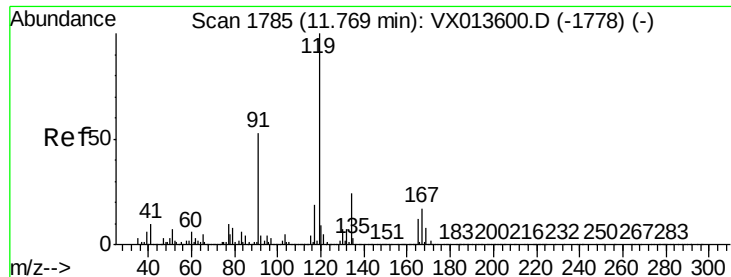
apatel
11/27/2019 3:45:43 PM



#82
4-Chlorotoluene
Concen: 48.526 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.0





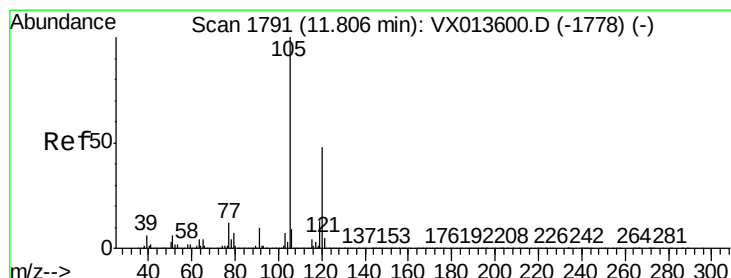
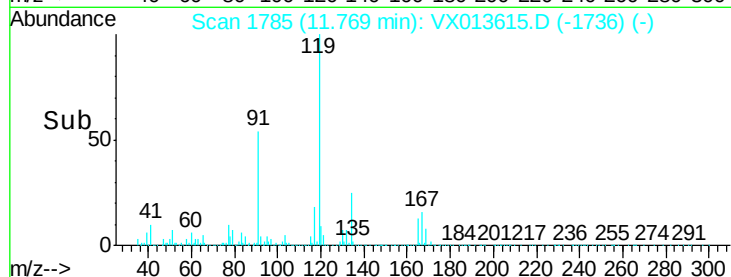
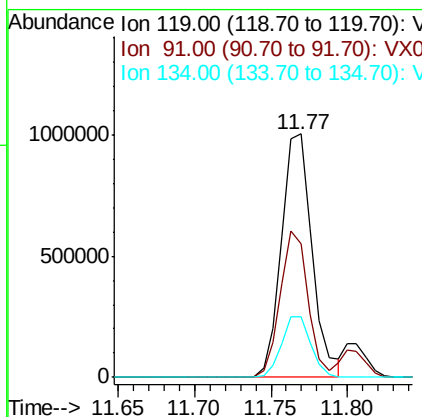
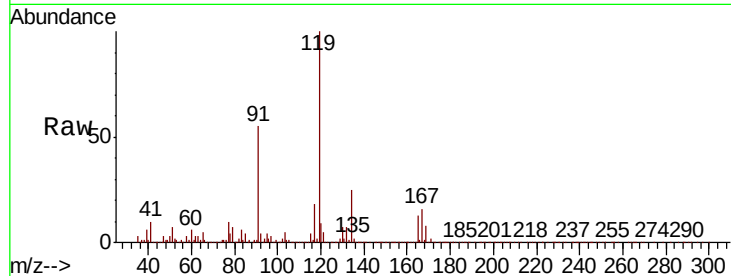
#83
 tert-Butylbenzene
 Concen: 49.909 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX013615.D
 Acq: 26 Nov 2019 22:02

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.4	27.2	81.6
134	23.9	11.7	35.1

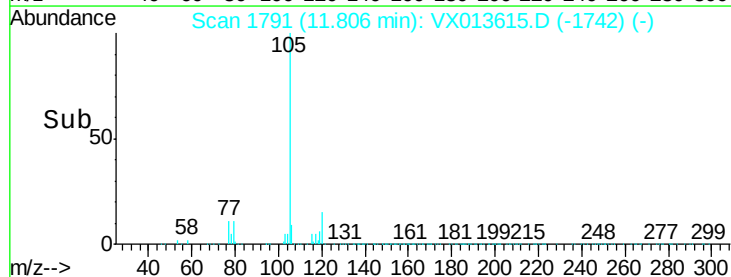
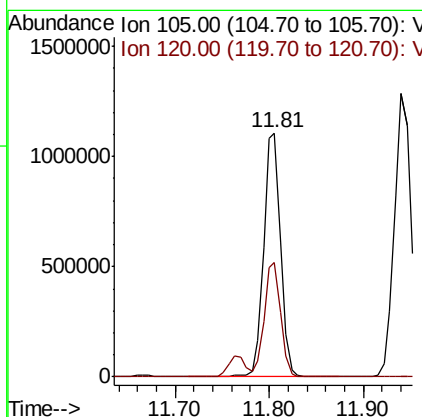
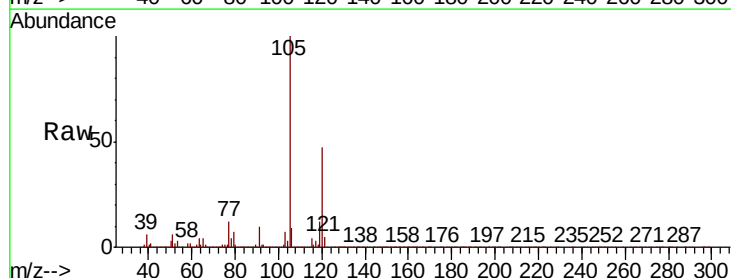
Manual Integrations
 APPROVED

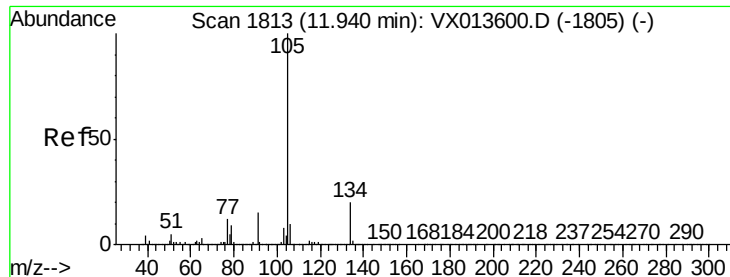
apatel
 11/27/2019 3:45:43 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.161 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX013615.D
 Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.1	69.3





#85

sec-Butylbenzene

Concen: 49.548 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1588575

Ion Ratio Lower Upper

105 100

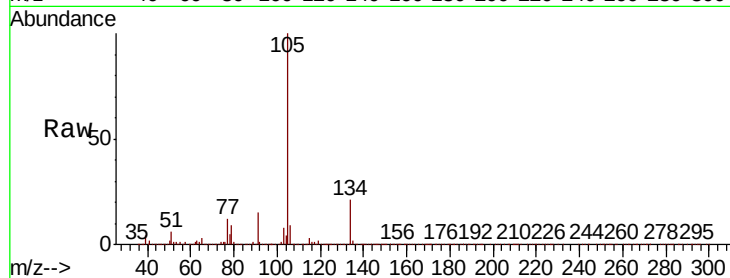
134 20.9 10.4 31.2

Manual Integrations

APPROVED

apatel

11/27/2019 3:45:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

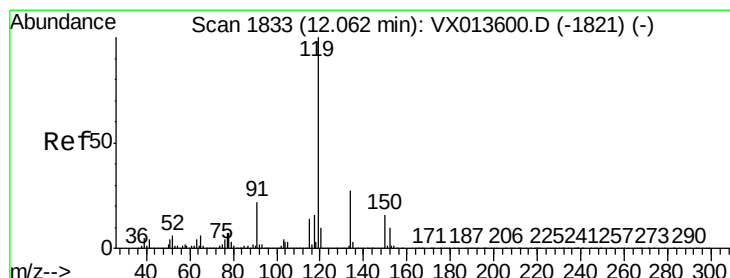
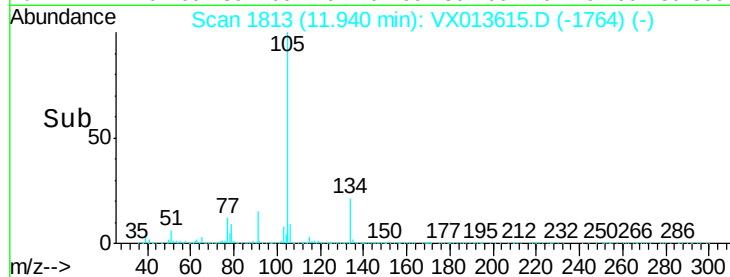
11.94

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.927 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

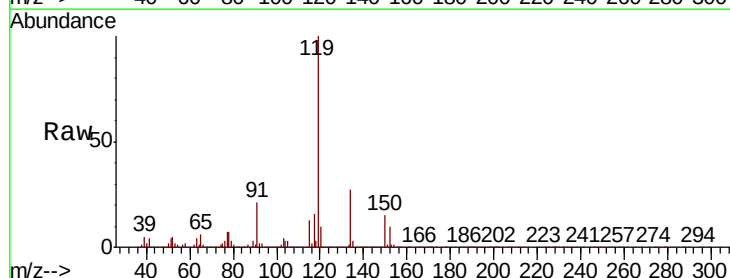
Tgt Ion:119 Resp: 1489142

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.2 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1500000

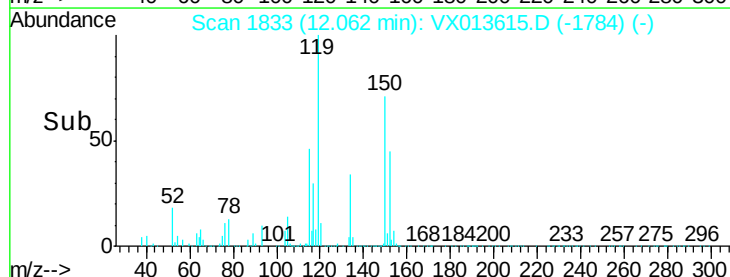
12.06

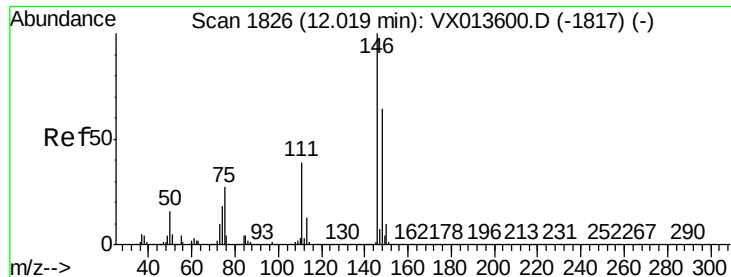
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.496 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

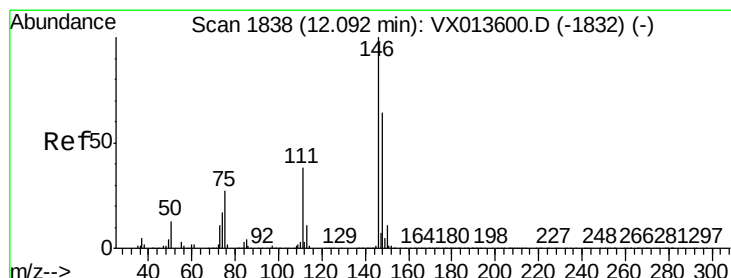
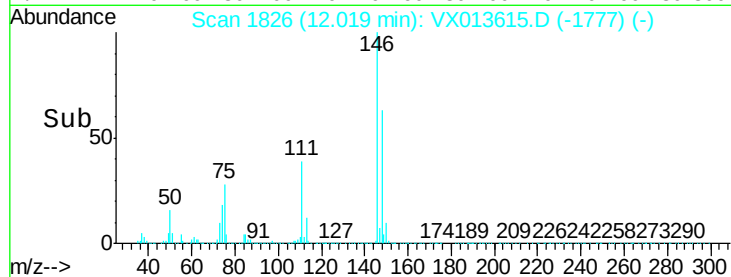
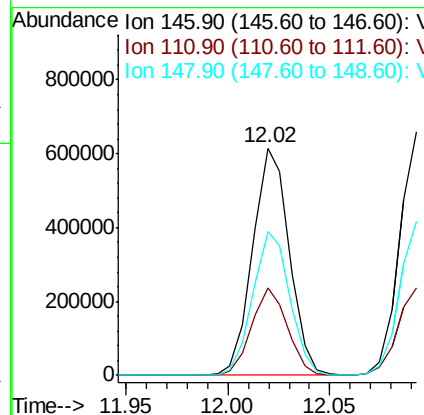
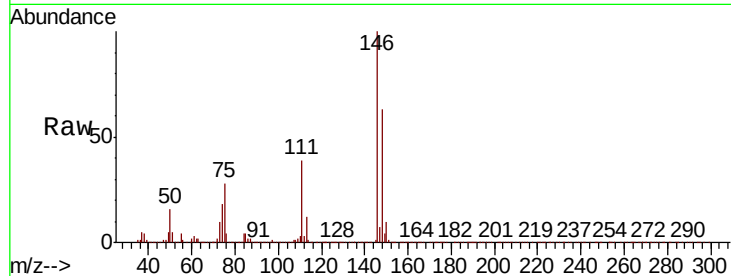
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	769615
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.0	57.0
148	63.8	31.8	95.4

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM



#88

1,4-Dichlorobenzene

Concen: 47.377 ug/l

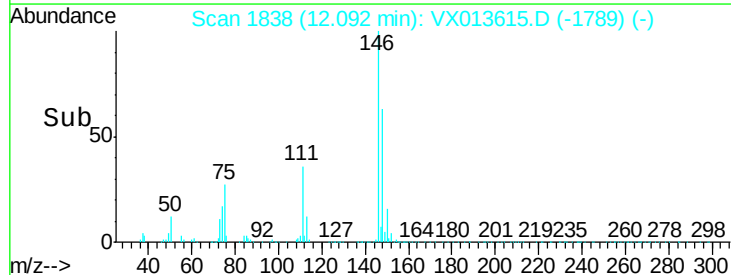
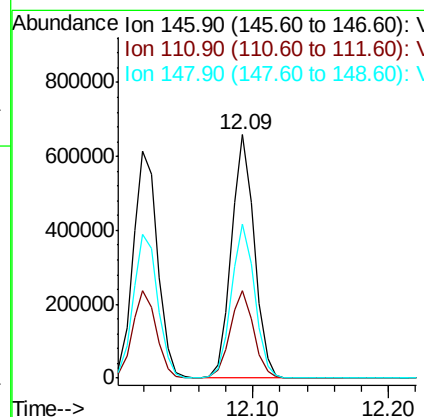
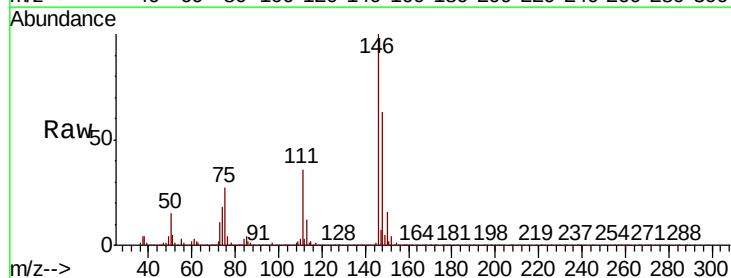
RT: 12.09 min Scan# 1838

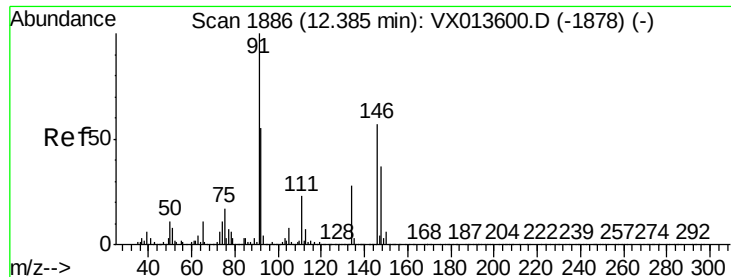
Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Tgt Ion:	146	Resp:	765814
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.9	56.9
148	64.4	31.9	95.5





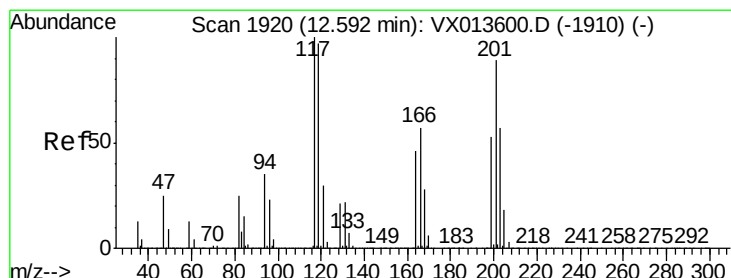
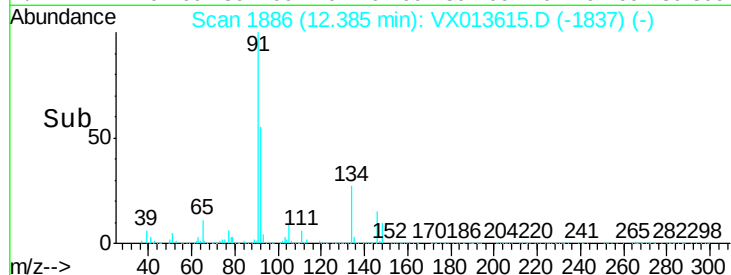
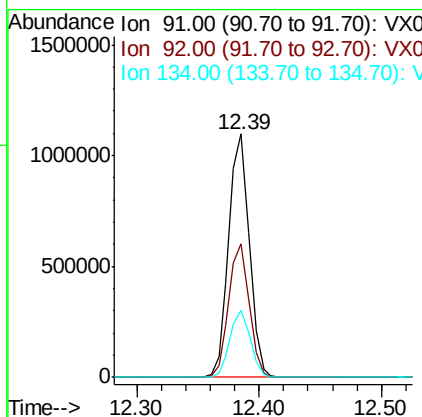
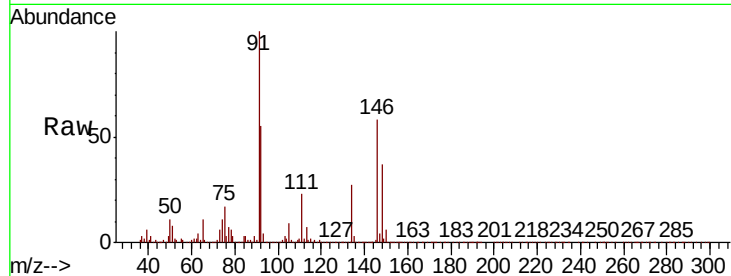
#89
n-Butylbenzene
Concen: 50.135 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.2
134	27.1	13.5	40.4

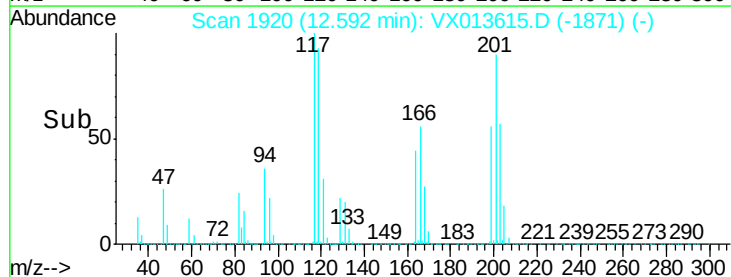
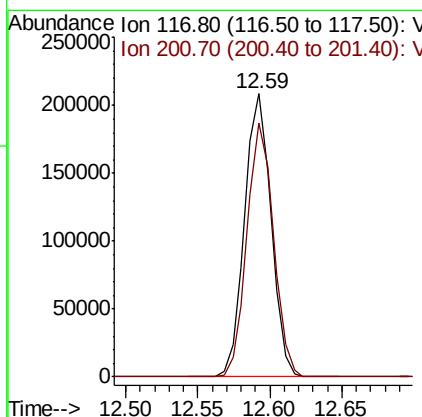
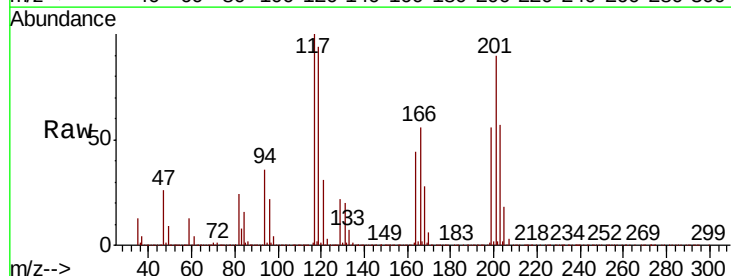
Manual Integrations
APPROVED

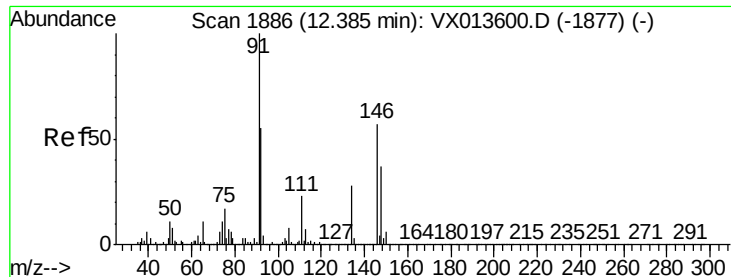
apatel
11/27/2019 3:45:43 PM



#90
Hexachloroethane
Concen: 49.084 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	44.1	132.4





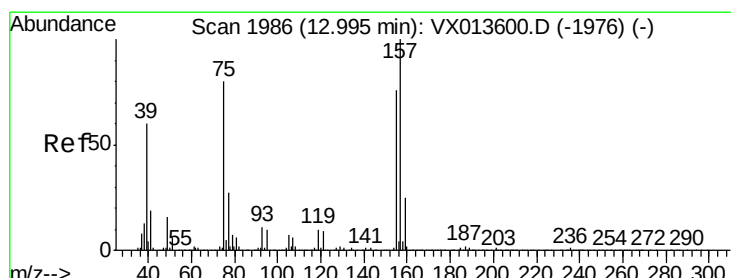
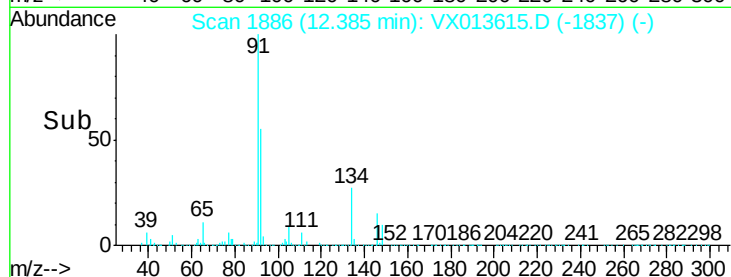
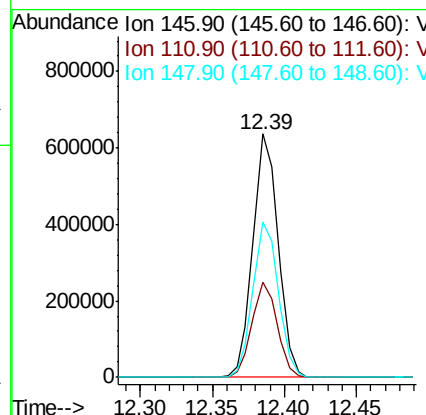
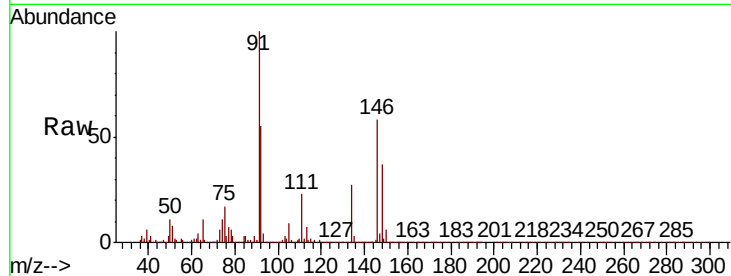
#91
 1,2-Dichlorobenzene
 Concen: 49.069 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013615.D
 Acq: 26 Nov 2019 22:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	769392		
111	39.2	19.6	58.7	
148	64.8	31.9	95.7	

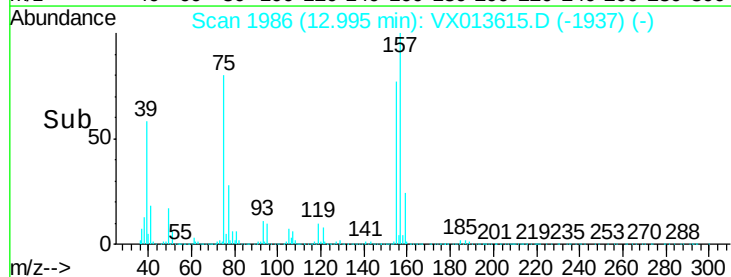
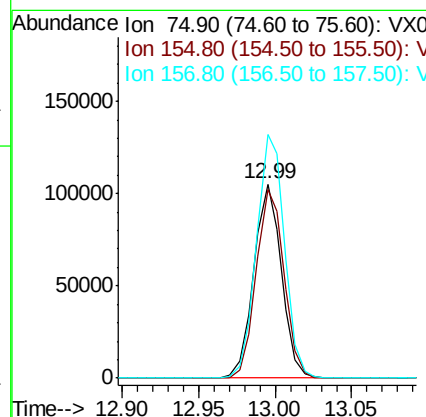
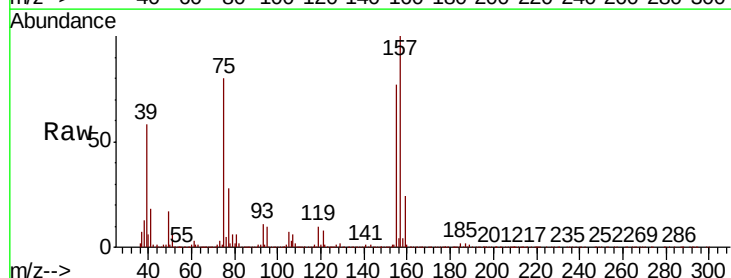
Manual Integrations
 APPROVED

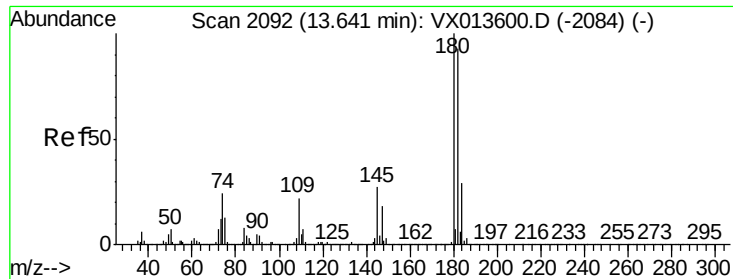
apatel
 11/27/2019 3:45:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.503 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013615.D
 Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131071		
155	99.1	47.6	142.8	
157	128.8	62.1	186.2	





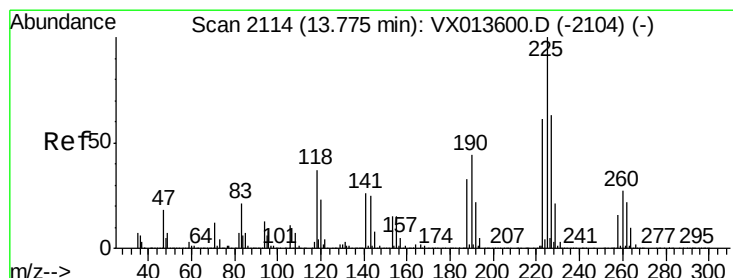
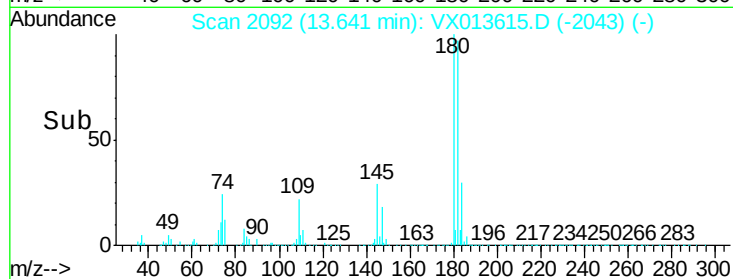
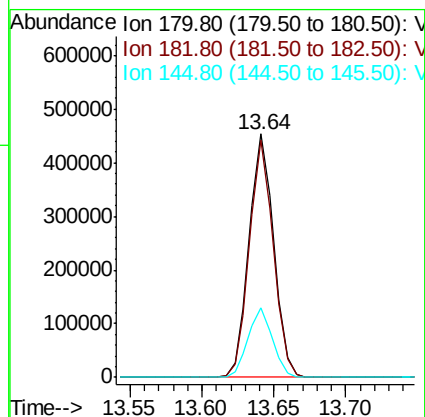
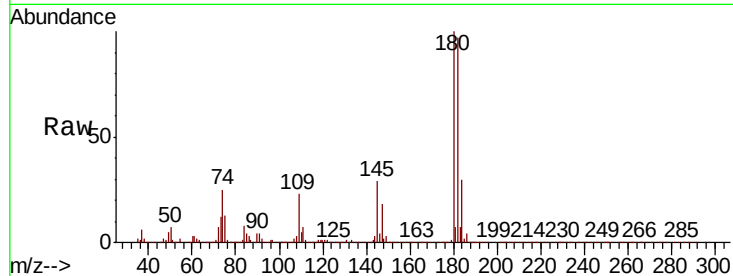
#93
1,2,4-Trichlorobenzene
Concen: 48.814 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.2	141.6
145	28.5	13.8	41.4

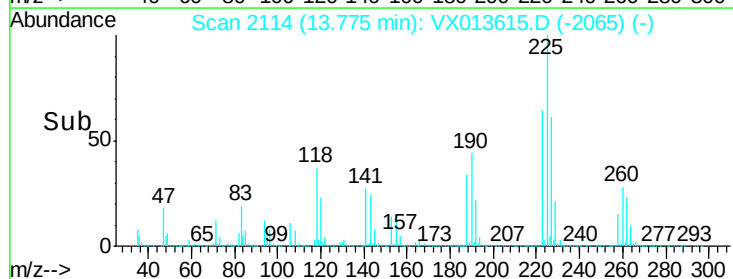
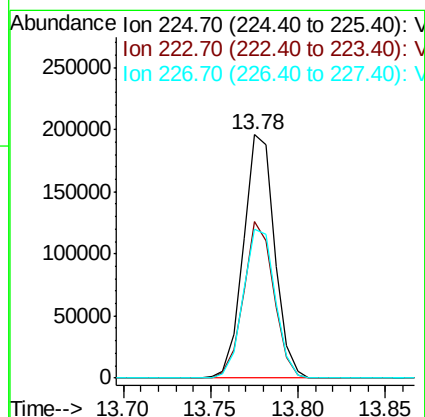
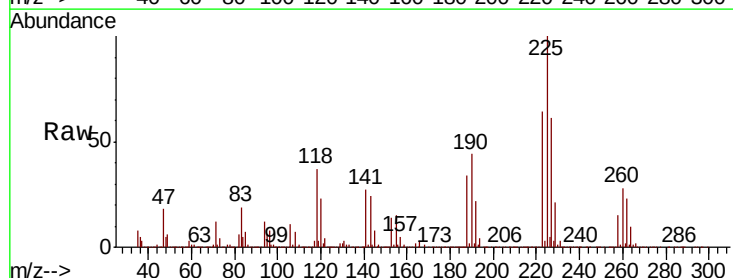
Manual Integrations
APPROVED

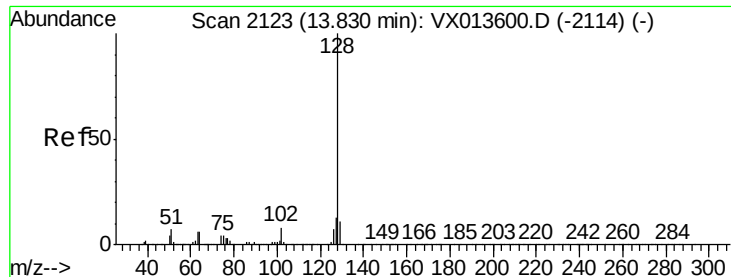
apatel
11/27/2019 3:45:43 PM



#94
Hexachlorobutadiene
Concen: 46.028 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013615.D
Acq: 26 Nov 2019 22:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.9	95.5
227	62.8	32.1	96.3





#95

Naphthalene

Concen: 52.874 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Instrument :

MSVOA_X

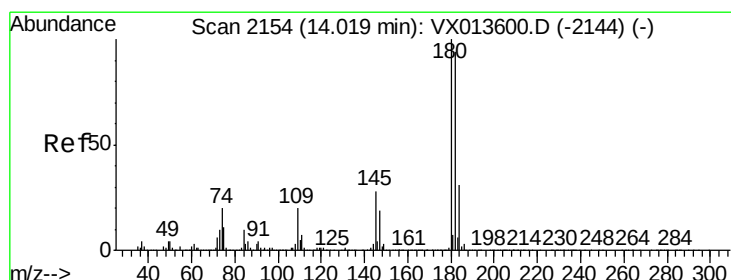
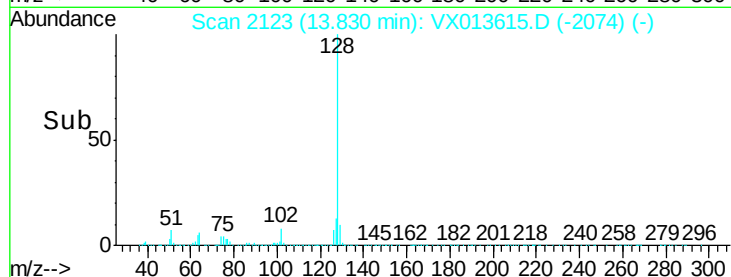
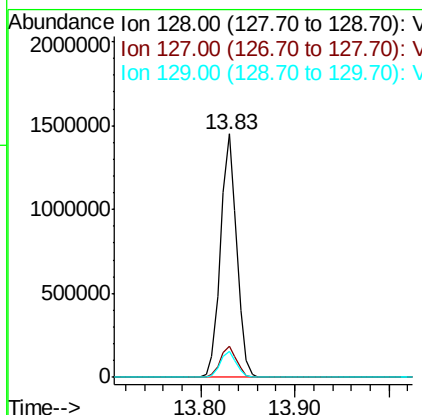
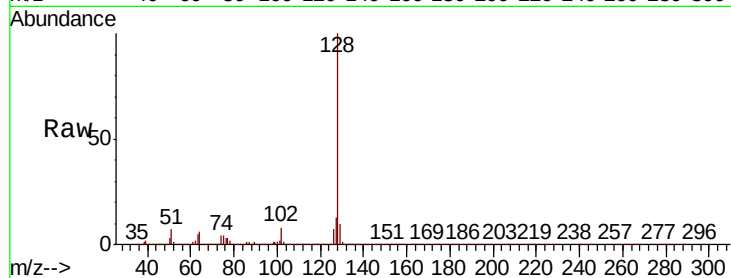
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1720661
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

apatel
11/27/2019 3:45:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.902 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX013615.D

Acq: 26 Nov 2019 22:02

Tgt Ion:	180	Resp:	539924
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.8
145	30.0	15.0	45.0

