

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014008.D
 Acq On : 13 Dec 2019 15:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:45:57 PM

Quant Time: Dec 13 16:52:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	545654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	828804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	741012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	367559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	33805	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	
35) Dibromofluoromethane	5.49	113	26664	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
50) Toluene-d8	8.71	98	102565	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
62) 4-Bromofluorobenzene	11.14	95	36096	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	24364	4.177	ug/l	95
3) Chloromethane	1.32	50	32958	4.882	ug/l	98
4) Vinyl Chloride	1.40	62	33048	4.426	ug/l	96
5) Bromomethane	1.62	94	28015	5.484	ug/l	98
6) Chloroethane	1.70	64	22012	5.056	ug/l	90
7) Trichlorofluoromethane	1.91	101	41691	4.878	ug/l	97
8) Diethyl Ether	2.18	74	20281	5.251	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26670	5.131	ug/l	99
10) Methyl Iodide	2.50	142	23278	3.687	ug/l #	93
11) Tert butyl alcohol	3.06	59	40816	26.858	ug/l	95
12) 1,1-Dichloroethene	2.36	96	26582	5.128	ug/l	97
13) Acrolein	2.28	56	18499	20.678	ug/l	97
14) Allyl chloride	2.72	41	44423	4.726	ug/l	92
15) Acrylonitrile	3.13	53	80244	25.111	ug/l	98
16) Acetone	2.44	43	90499	27.556	ug/l	99
17) Carbon Disulfide	2.56	76	73698	4.977	ug/l	100
18) Methyl Acetate	2.76	43	38611	4.546	ug/l	94
19) Methyl tert-butyl Ether	3.19	73	85734	4.983	ug/l	99
20) Methylene Chloride	2.84	84	32935	5.469	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	29051	5.135	ug/l	98
22) Diisopropyl ether	3.84	45	94564	5.200	ug/l	93
23) Vinyl Acetate	3.80	43	382949	25.363	ug/l	99
24) 1,1-Dichloroethane	3.69	63	51625	5.193	ug/l	98
25) 2-Butanone	4.67	43	122725	26.185	ug/l	99
26) 2,2-Dichloropropane	4.57	77	37559	4.585	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	31265	4.815	ug/l	93
28) Bromochloromethane	5.01	49	12112	3.451	ug/l	92
29) Tetrahydrofuran	5.12	42	67887	24.029	ug/l	95
30) Chloroform	5.20	83	48299	4.800	ug/l	95
31) Cyclohexane	5.56	56	46374	4.935	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	40943	4.872	ug/l	99
36) 1,1-Dichloropropene	5.79	75	37031	4.919	ug/l	98
37) Ethyl Acetate	4.83	43	41790	4.976	ug/l	99
38) Carbon Tetrachloride	5.77	117	32620	4.697	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014008.D
 Acq On : 13 Dec 2019 15:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:45:57 PM

Quant Time: Dec 13 16:52:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.45	83	44709	4.796	ug/l	98
40) Benzene	6.13	78	117634	5.119	ug/l	98
41) Methacrylonitrile	5.04	41	21299	4.646	ug/l #	58
42) 1,2-Dichloroethane	6.19	62	41725	5.333	ug/l	97
43) Isopropyl Acetate	6.43	43	68104	4.909	ug/l	97
44) Trichloroethene	7.20	130	32022	5.096	ug/l	93
45) 1,2-Dichloropropane	7.51	63	30292	5.259	ug/l	100
46) Dibromomethane	7.65	93	18520	4.751	ug/l	95
47) Bromodichloromethane	7.89	83	34707	4.711	ug/l	96
48) Methyl methacrylate	7.76	41	31789	4.726	ug/l	95
49) 1,4-Dioxane	7.74	88	15607	105.356	ug/l #	88
51) 4-Methyl-2-Pentanone	8.64	43	225793	25.920	ug/l	97
52) Toluene	8.78	92	73375	5.133	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	35229	4.203	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	41221	4.498	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	28600	4.972	ug/l	97
56) Ethyl methacrylate	9.17	69	43557	4.702	ug/l	99
57) 1,3-Dichloropropane	9.37	76	49837	5.020	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	86243	23.748	ug/l	99
59) 2-Hexanone	9.49	43	174409	25.443	ug/l	98
60) Dibromochloromethane	9.57	129	26591	4.470	ug/l	99
61) 1,2-Dibromoethane	9.67	107	28498	4.644	ug/l	92
64) Tetrachloroethene	9.33	164	30947	5.412	ug/l	98
65) Chlorobenzene	10.14	112	79345	5.128	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	26889	4.854	ug/l	98
67) Ethyl Benzene	10.25	91	133408	5.024	ug/l	97
68) m/p-Xylenes	10.36	106	102703	10.088	ug/l	98
69) o-Xylene	10.70	106	51045	5.141	ug/l	99
70) Styrene	10.71	104	79726	4.760	ug/l	95
71) Bromoform	10.85	173	19246	4.212	ug/l #	100
73) Isopropylbenzene	11.01	105	131468	5.092	ug/l	99
74) N-amyl acetate	10.89	43	58191	4.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	46256	5.175	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	41405m	5.030	ug/l	
77) Bromobenzene	11.25	156	35322	5.076	ug/l	98
78) n-propylbenzene	11.35	91	138951	4.813	ug/l	100
79) 2-Chlorotoluene	11.42	91	87285	5.026	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	107560	5.069	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	11240	3.743	ug/l #	80
82) 4-Chlorotoluene	11.51	91	100237	4.999	ug/l	99
83) tert-Butylbenzene	11.77	119	107592	5.033	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	107624	5.001	ug/l	100
85) sec-Butylbenzene	11.94	105	121785	4.950	ug/l	99
86) p-Isopropyltoluene	12.06	119	112360	4.916	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	61034	5.022	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	62413	5.035	ug/l	95
89) n-Butylbenzene	12.39	91	87635	4.490	ug/l	99
90) Hexachloroethane	12.59	117	18579	4.485	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	63473	5.270	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	9746	5.056	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
Data File : VX014008.D
Acq On : 13 Dec 2019 15:12
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

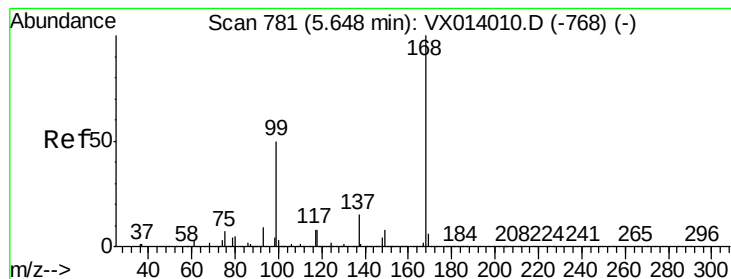
Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM

Quant Time: Dec 13 16:52:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 16:34:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	36670	4.408	ug/l	97
94) Hexachlorobutadiene	13.78	225	18145	4.507	ug/l	96
95) Naphthalene	13.83	128	104752	4.239	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	37168	4.492	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 545654

Ion Ratio Lower Upper

168 100

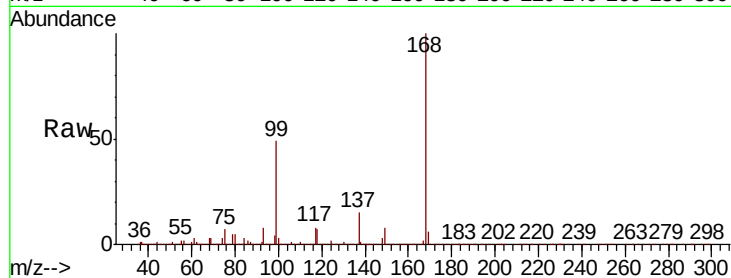
99 49.1 40.3 60.5

Manual Integrations

APPROVED

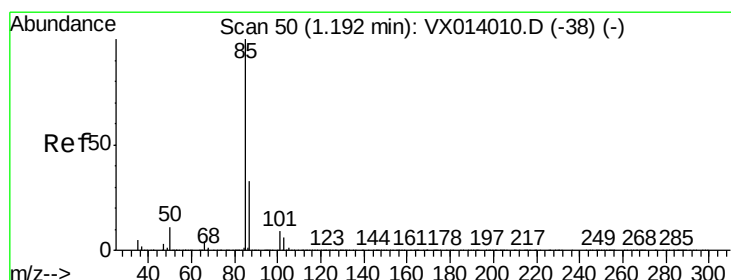
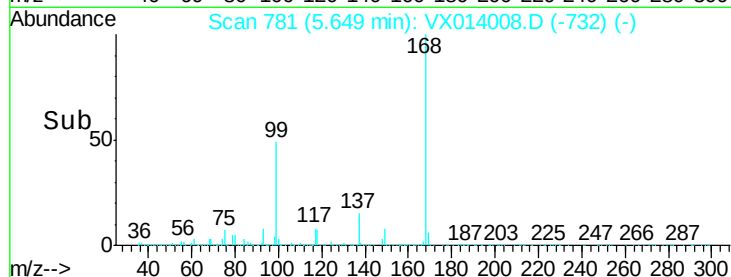
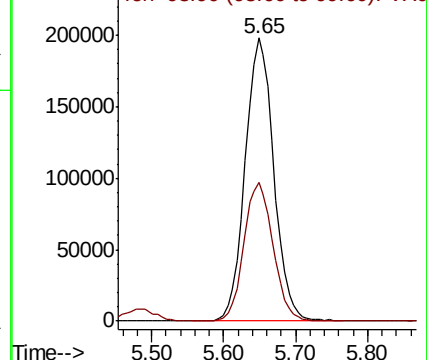
apatel

12/16/2019 12:45:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 4.177 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014008.D

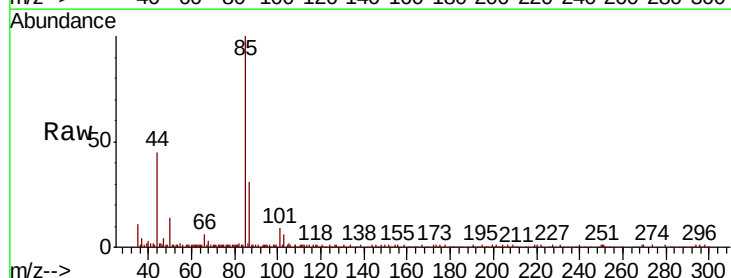
Acq: 13 Dec 2019 15:12

Tgt Ion: 85 Resp: 24364

Ion Ratio Lower Upper

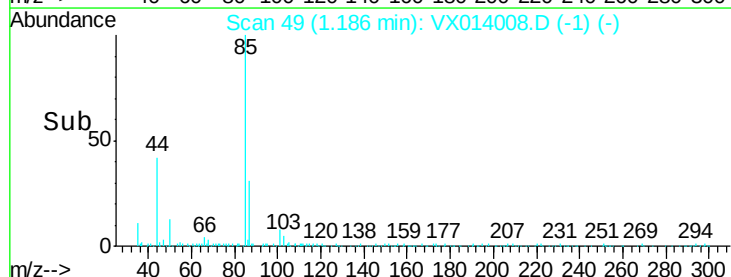
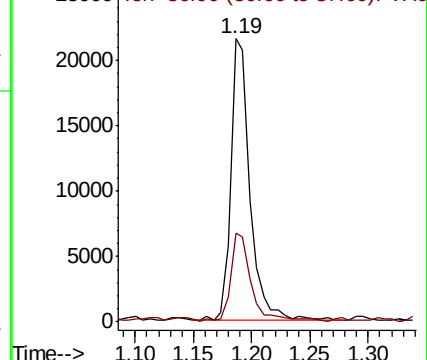
85 100

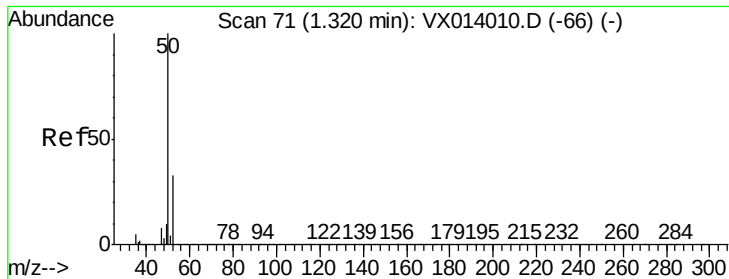
87 30.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 4.882 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 32958

Ion Ratio Lower Upper

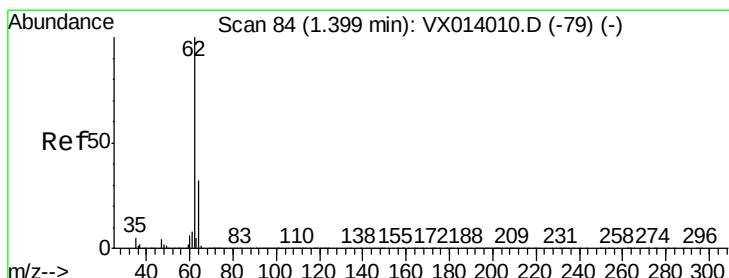
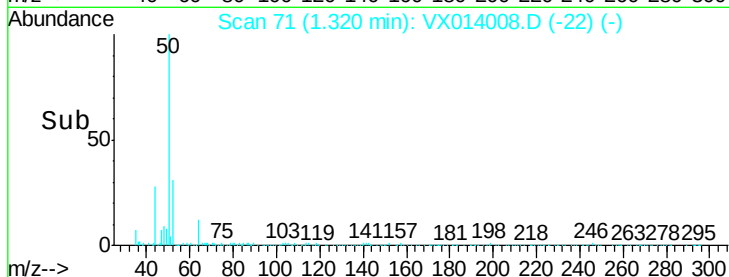
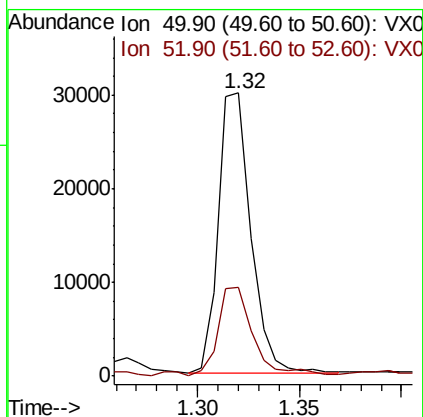
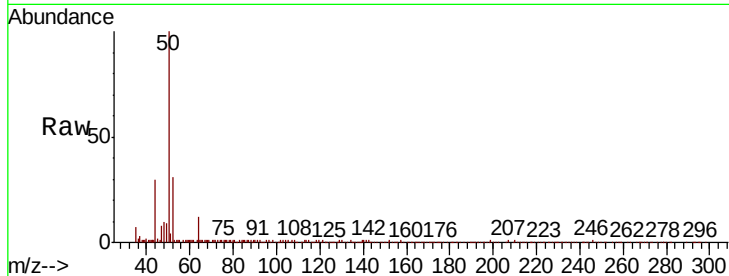
50 100

52 31.7 26.2 39.4

Manual Integrations
APPROVED

apatel

12/16/2019 12:45:57 PM



#4

Vinyl Chloride

Concen: 4.426 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014008.D

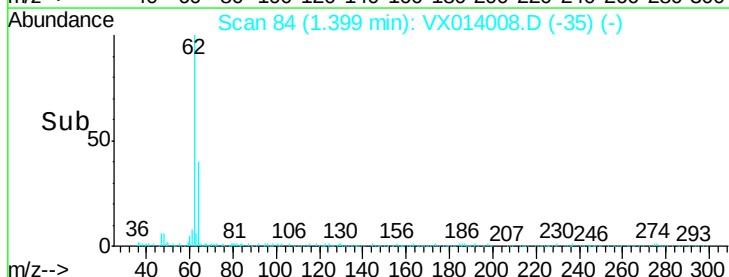
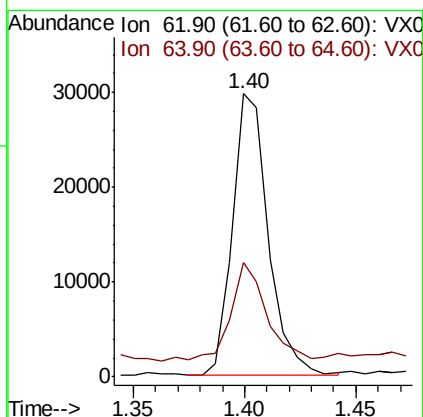
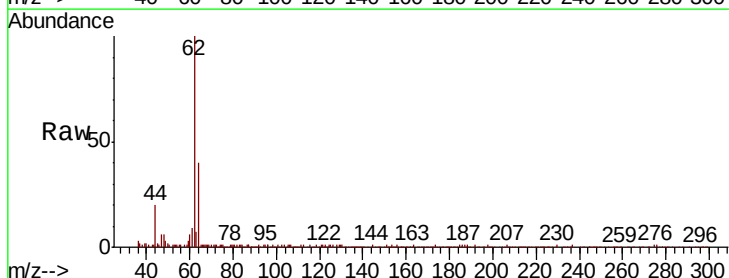
Acq: 13 Dec 2019 15:12

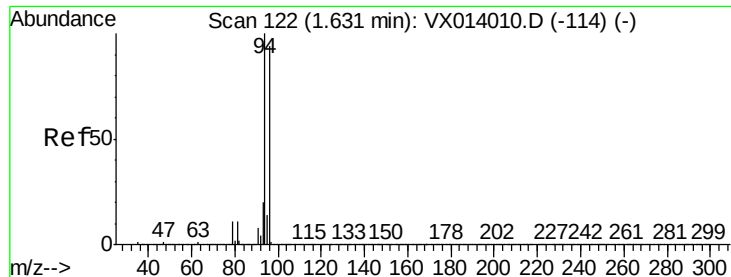
Tgt Ion: 62 Resp: 33048

Ion Ratio Lower Upper

62 100

64 34.4 25.7 38.5





#5

Bromomethane

Concen: 5.484 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 28015

Ion Ratio Lower Upper

94 100

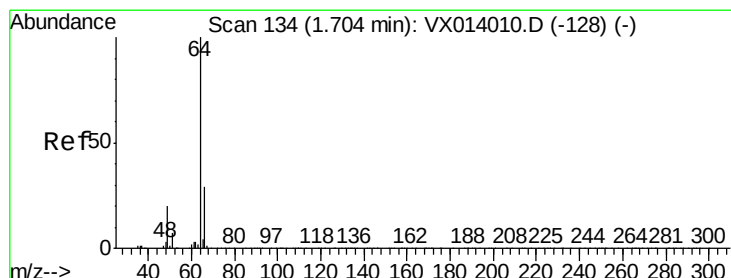
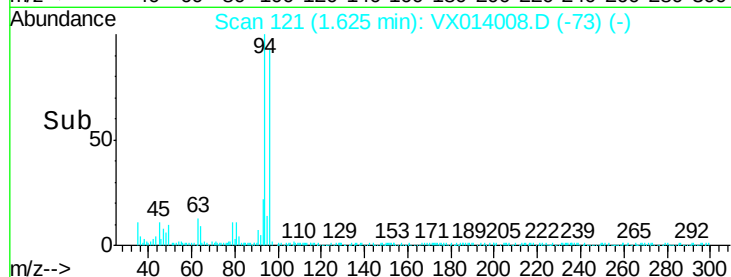
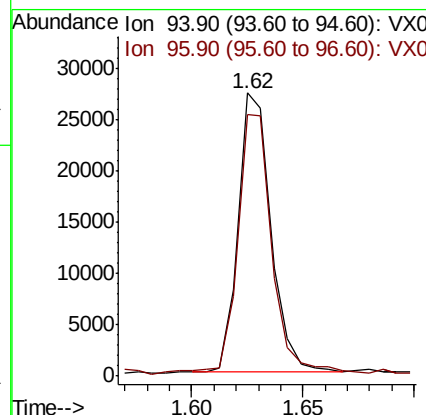
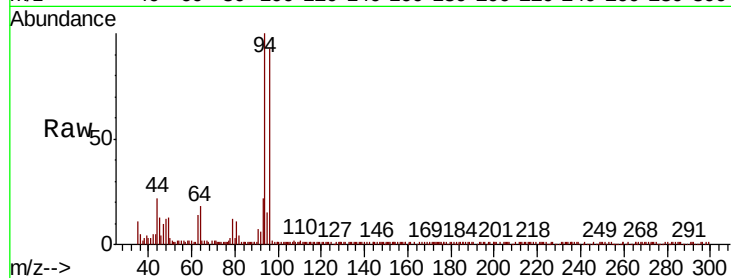
96 91.9 75.2 112.8

Manual Integrations

APPROVED

apatel

12/16/2019 12:45:57 PM



#6

Chloroethane

Concen: 5.056 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX014008.D

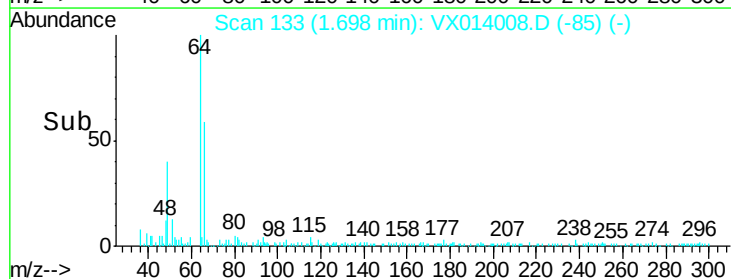
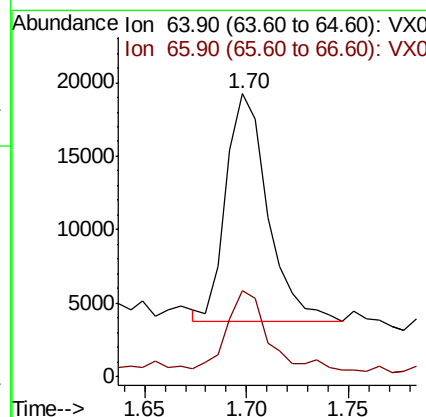
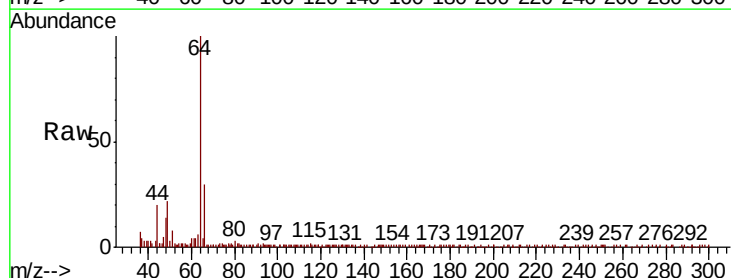
Acq: 13 Dec 2019 15:12

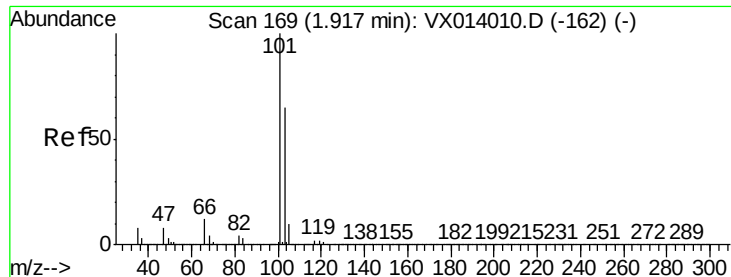
Tgt Ion: 64 Resp: 22012

Ion Ratio Lower Upper

64 100

66 34.5 23.4 35.2





#7

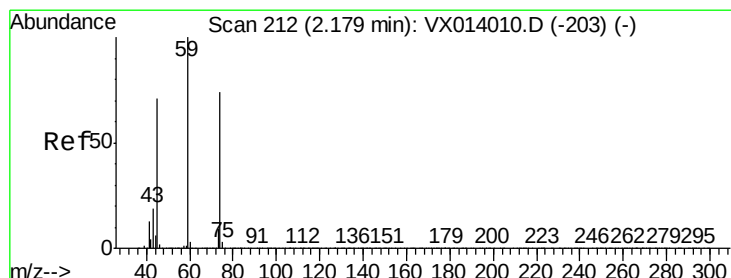
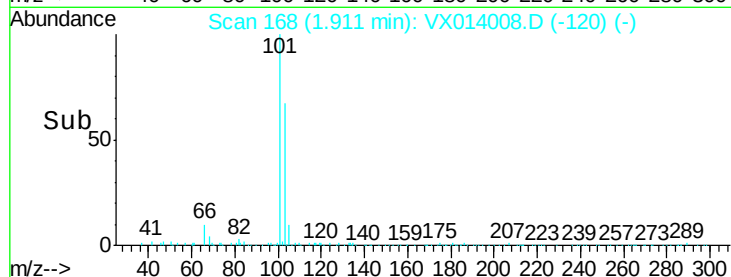
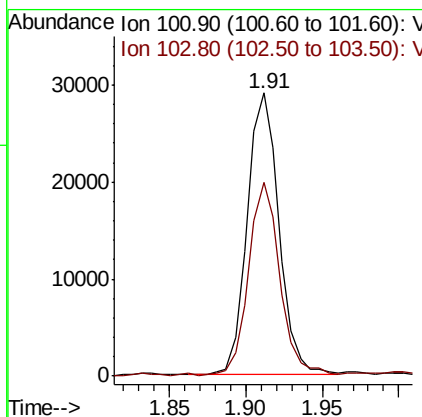
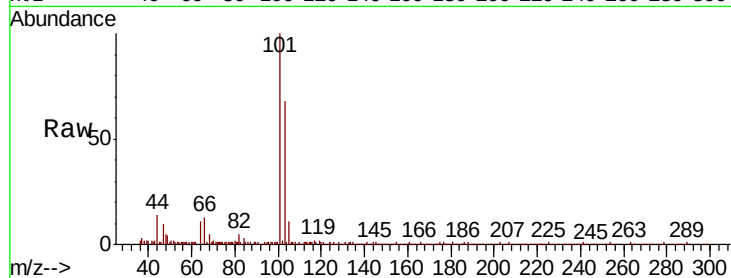
Trichlorofluoromethane
Concen: 4.878 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.2	78.4

Manual Integrations
APPROVED

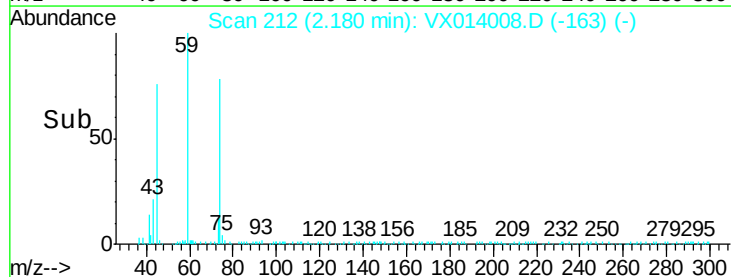
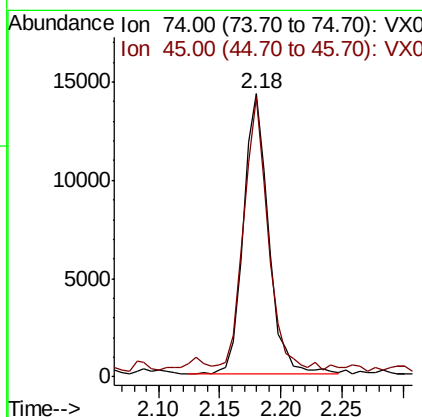
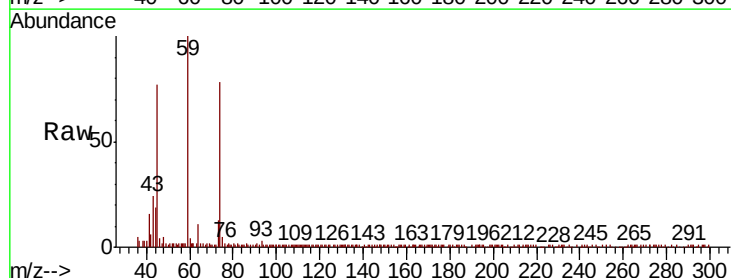
apatel
12/16/2019 12:45:57 PM

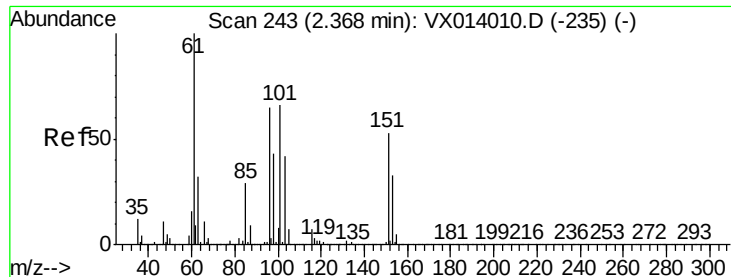


#8

Diethyl Ether
Concen: 5.251 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.2	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.131 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

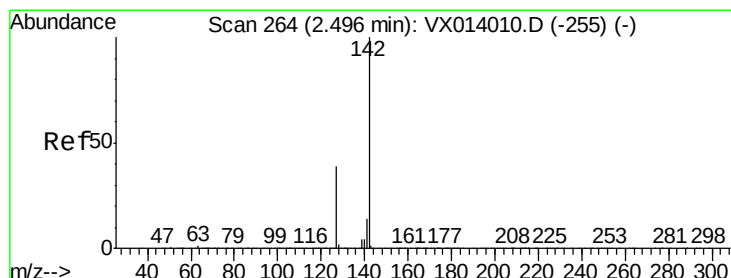
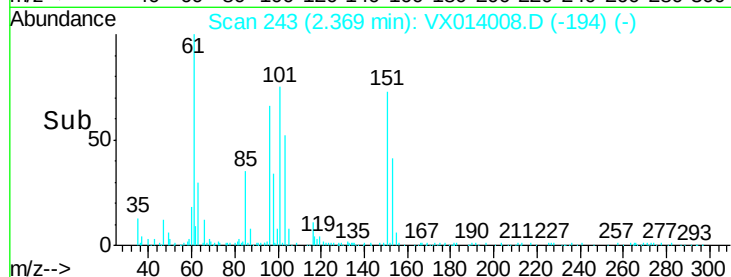
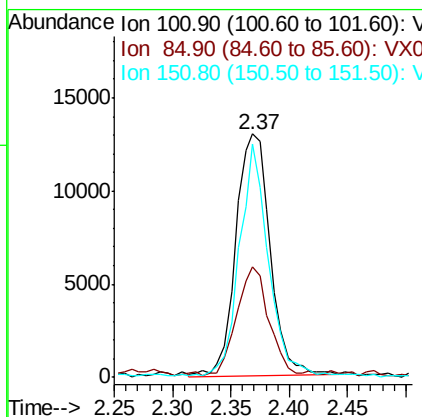
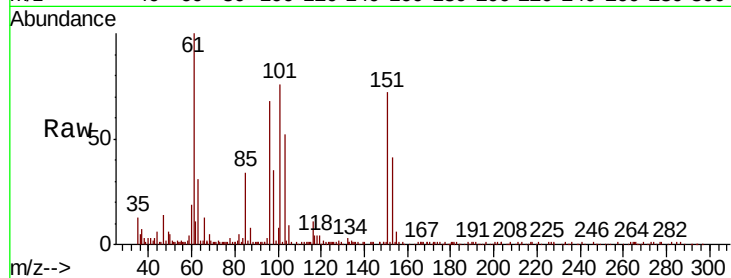
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	26670
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.7	50.5
151	82.3	64.5	96.7

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#10

Methyl Iodide

Concen: 3.687 ug/l

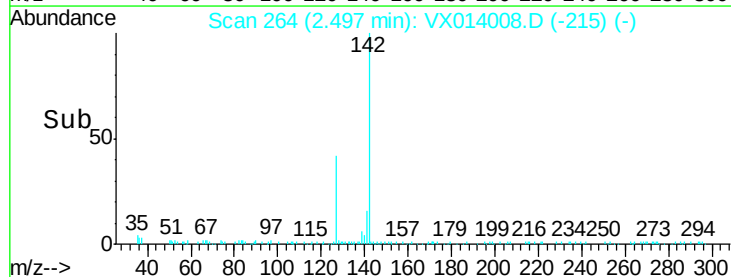
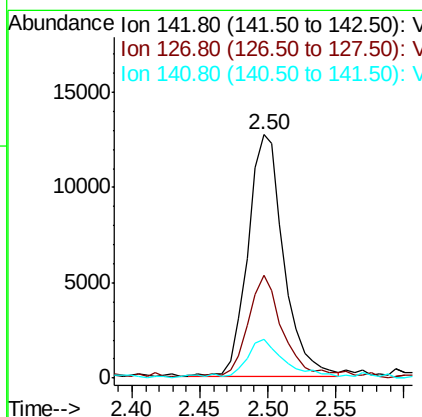
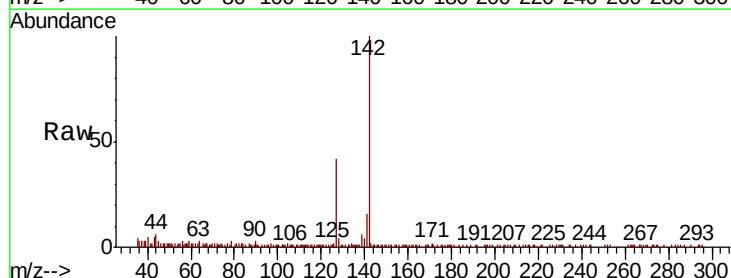
RT: 2.50 min Scan# 264

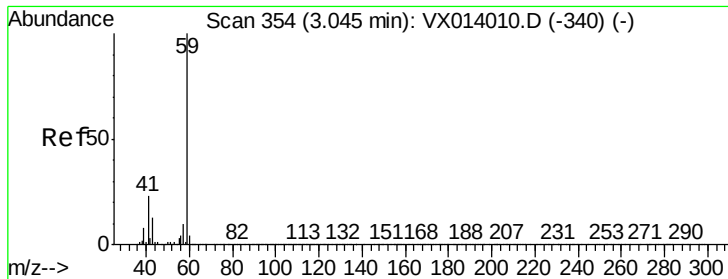
Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	142	Resp:	23278
Ion Ratio	Lower	Upper	
142	100		
127	42.8	31.6	47.4
141	18.8	11.6	17.4





#11

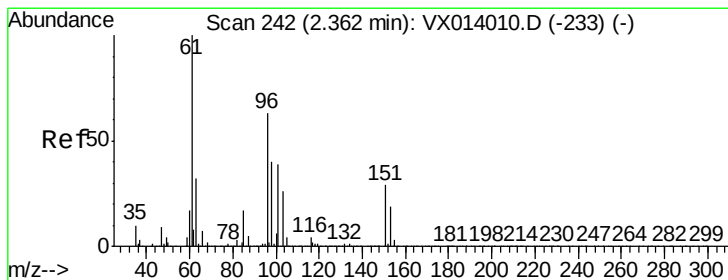
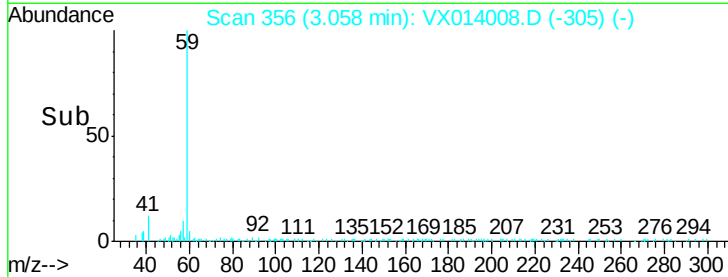
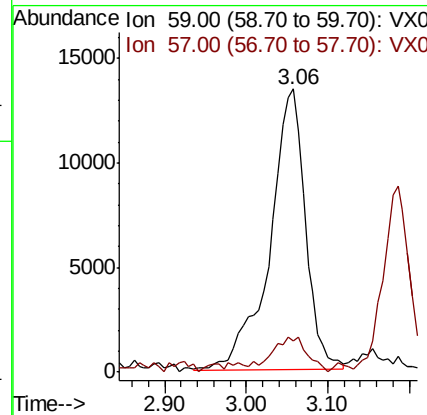
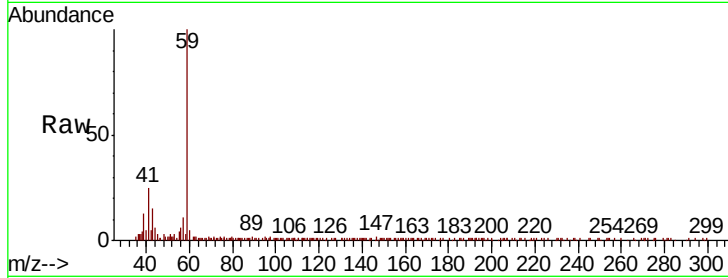
Tert butyl alcohol
Concen: 26.858 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.5	8.4	12.6

Manual Integrations
APPROVED

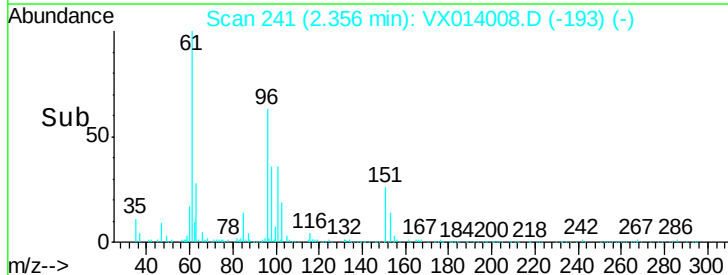
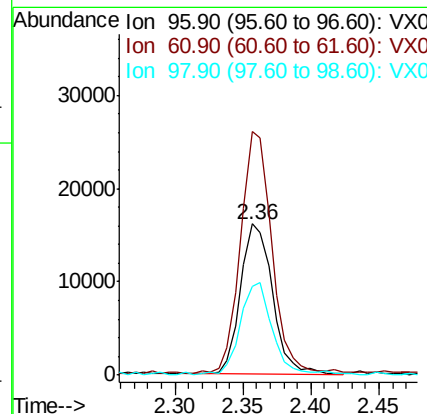
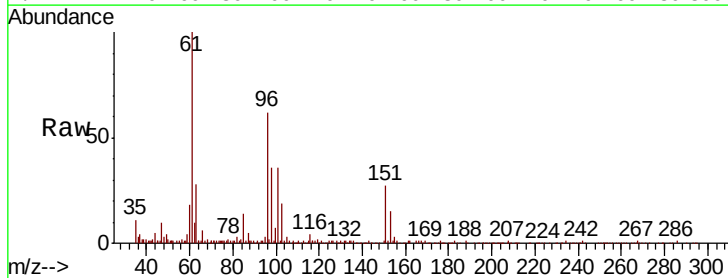
apatel
12/16/2019 12:45:57 PM

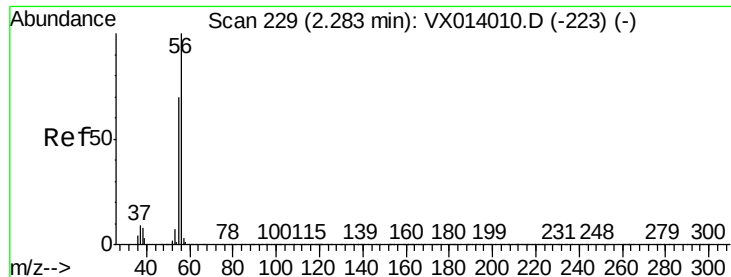


#12

1,1-Dichloroethene
Concen: 5.128 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	127.9	191.9
98	58.4	50.5	75.7





#13

Acrolein

Concen: 20.678 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 18499

Ion Ratio Lower Upper

56 100

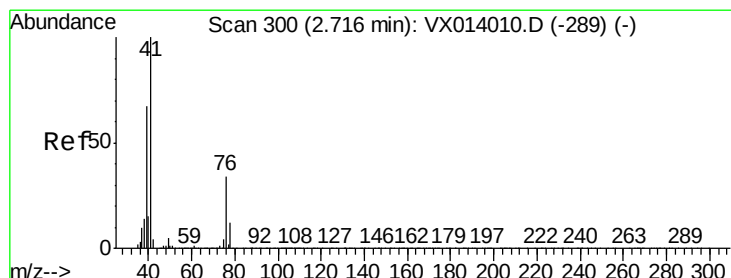
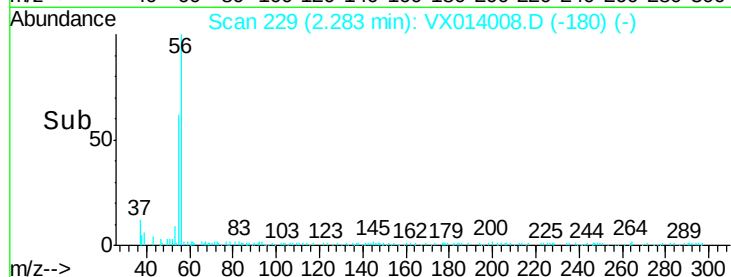
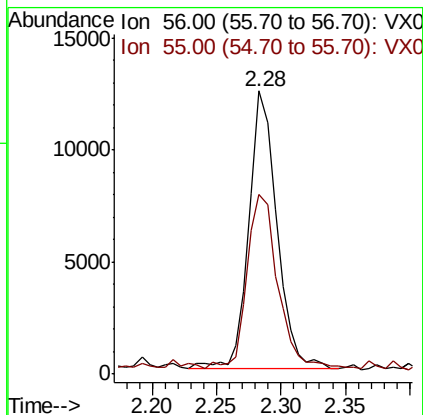
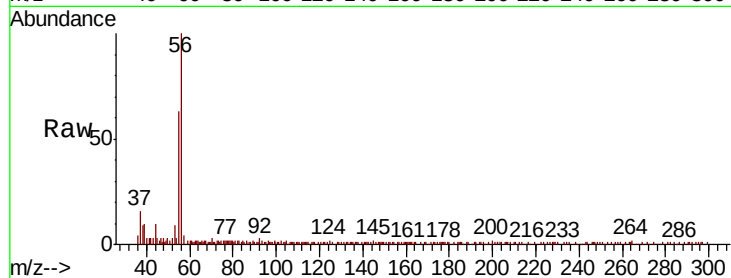
55 68.6 56.9 85.3

Manual Integrations

APPROVED

apatel

12/16/2019 12:45:57 PM



#14

Allyl chloride

Concen: 4.726 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

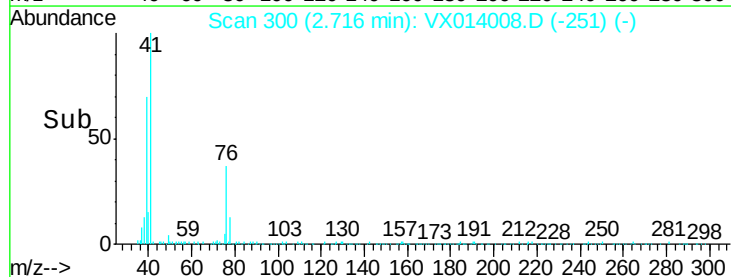
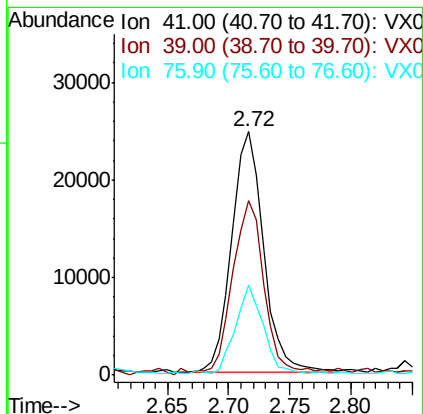
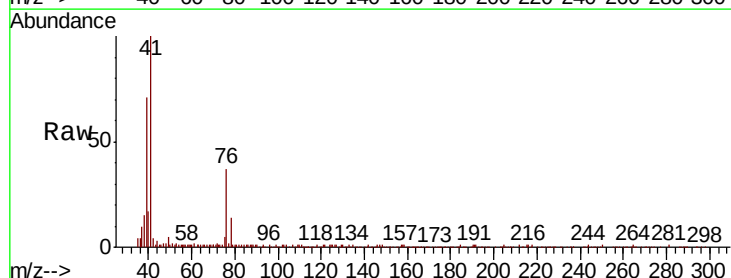
Tgt Ion: 41 Resp: 44423

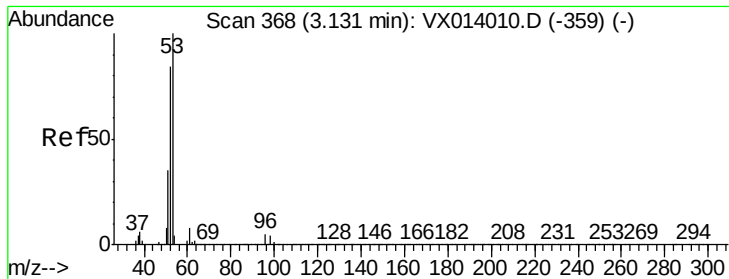
Ion Ratio Lower Upper

41 100

39 74.3 51.8 77.8

76 31.8 25.9 38.9





#15

Acrylonitrile

Concen: 25.111 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

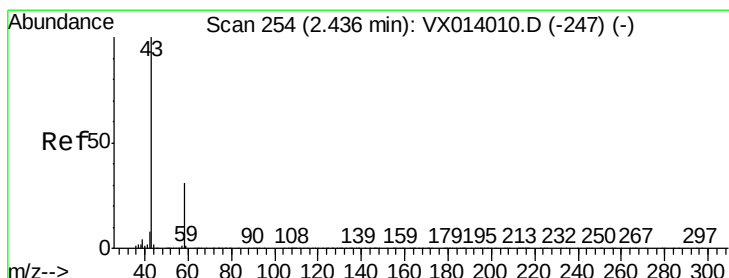
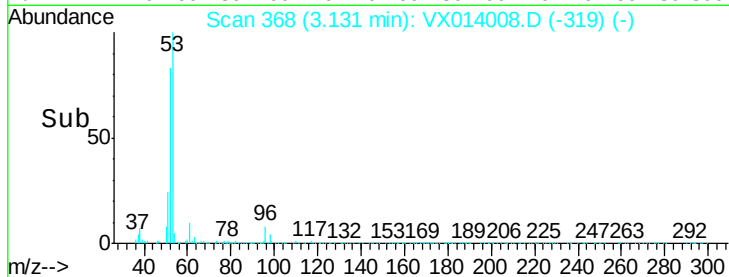
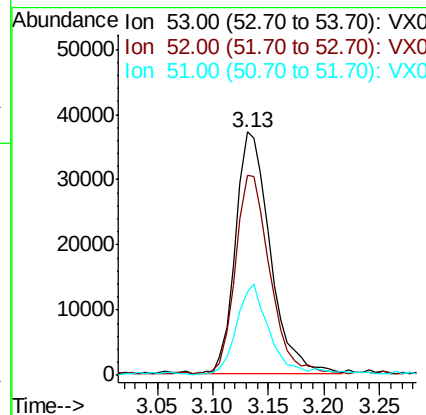
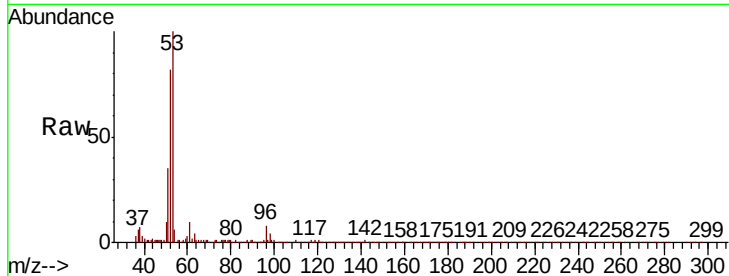
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	80244
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.5	99.7
51	35.0	28.1	42.1

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#16

Acetone

Concen: 27.556 ug/l

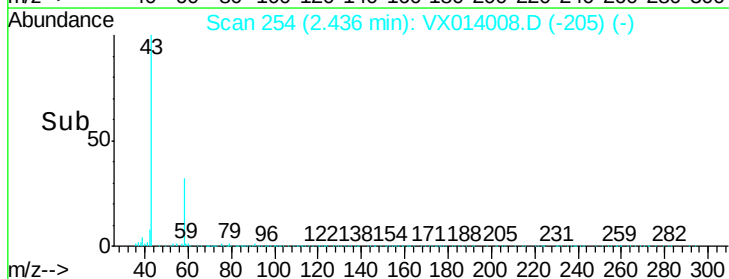
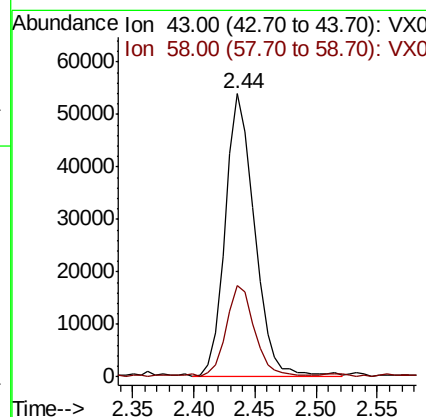
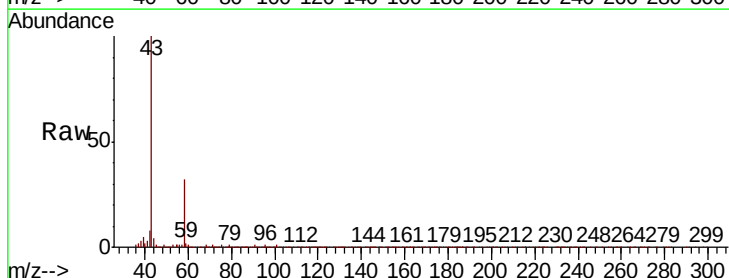
RT: 2.44 min Scan# 254

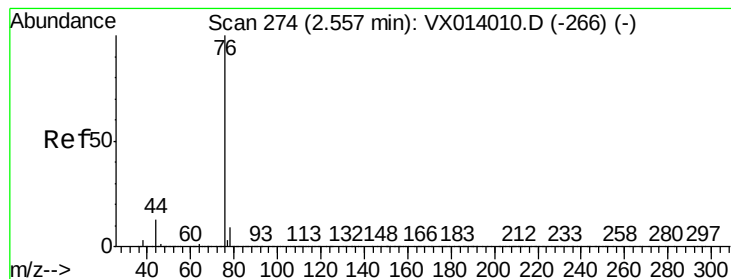
Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	43	Resp:	90499
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.9	37.3





#17

Carbon Disulfide

Concen: 4.977 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 73698

Ion Ratio Lower Upper

76 100

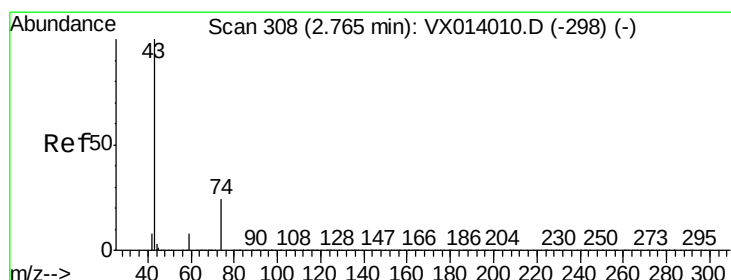
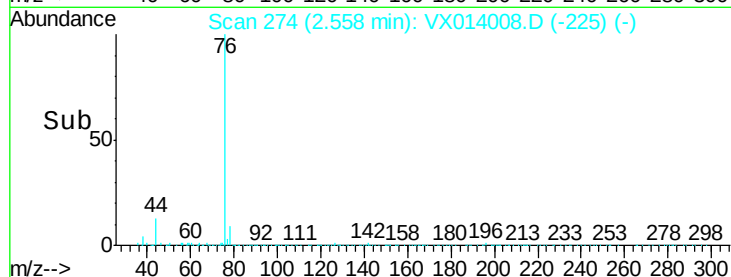
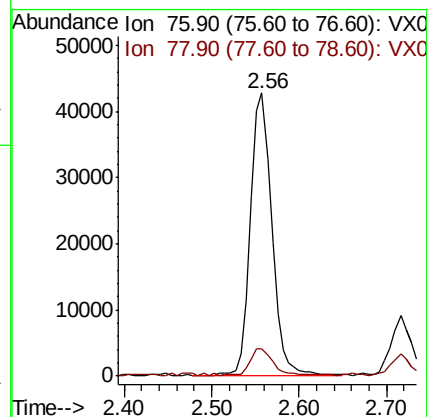
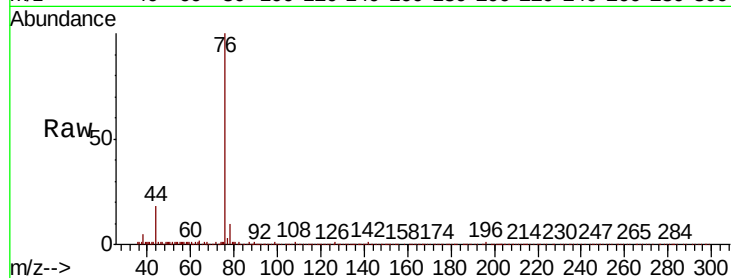
78 9.1 7.2 10.8

Manual Integrations

APPROVED

apatel

12/16/2019 12:45:57 PM



#18

Methyl Acetate

Concen: 4.546 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014008.D

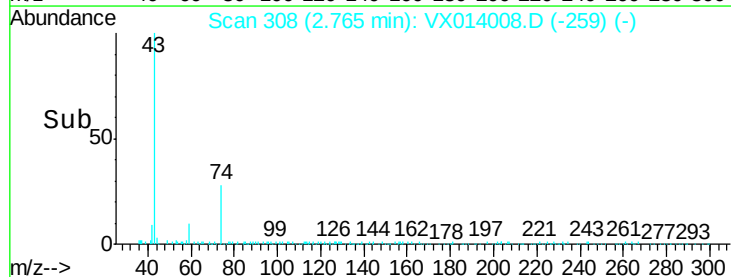
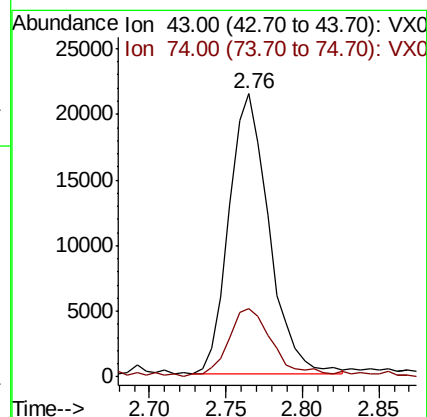
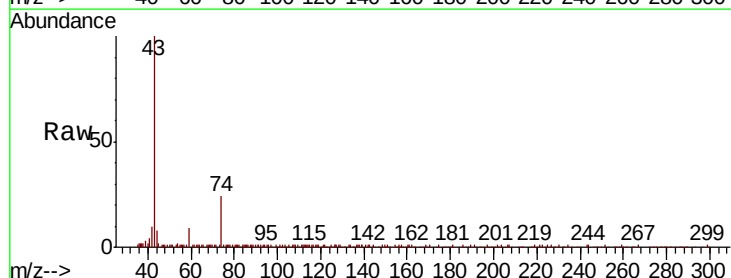
Acq: 13 Dec 2019 15:12

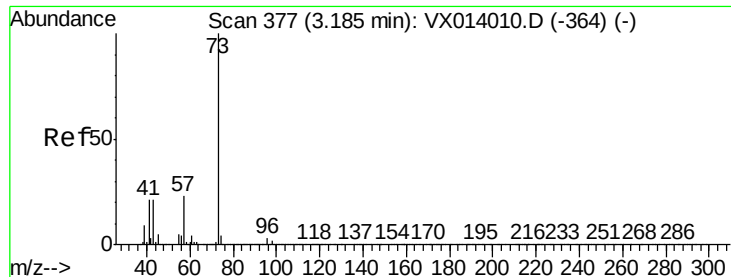
Tgt Ion: 43 Resp: 38611

Ion Ratio Lower Upper

43 100

74 27.5 19.5 29.3





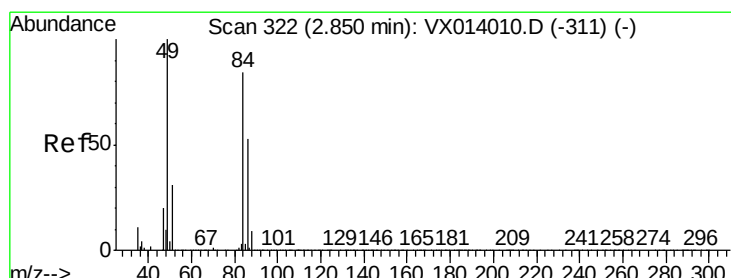
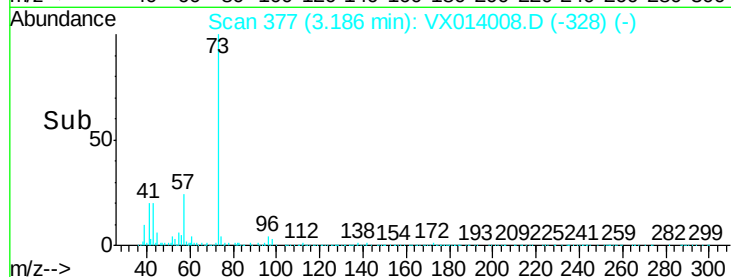
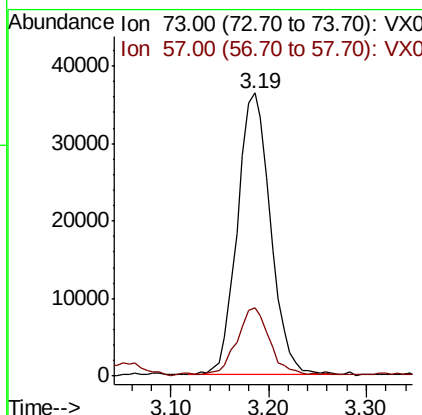
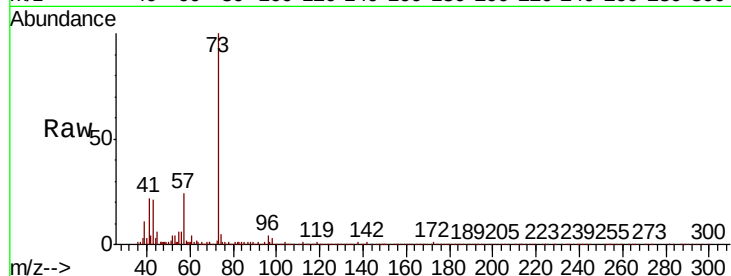
#19
Methyl tert-butyl Ether
Concen: 4.983 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.8	28.2

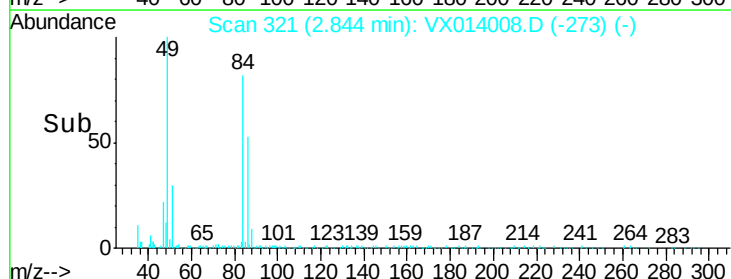
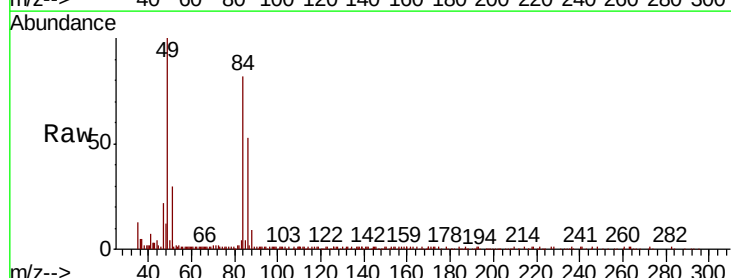
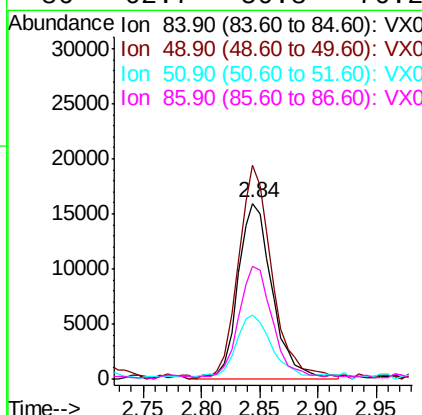
Manual Integrations
APPROVED

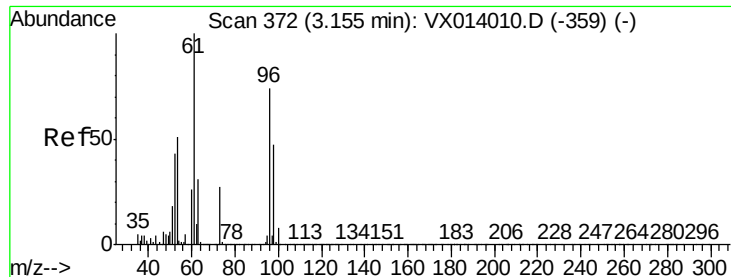
apatel
12/16/2019 12:45:57 PM



#20
Methylene Chloride
Concen: 5.469 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.8	95.8	143.6
51	35.6	29.8	44.8
86	62.7	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 5.135 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

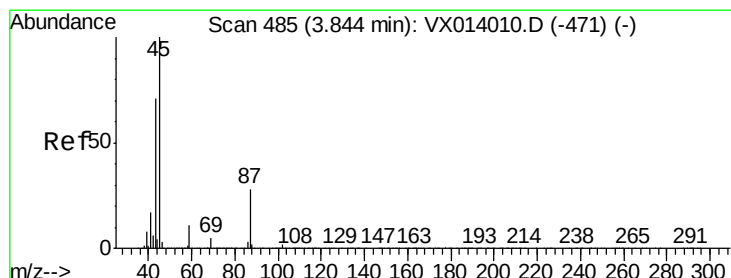
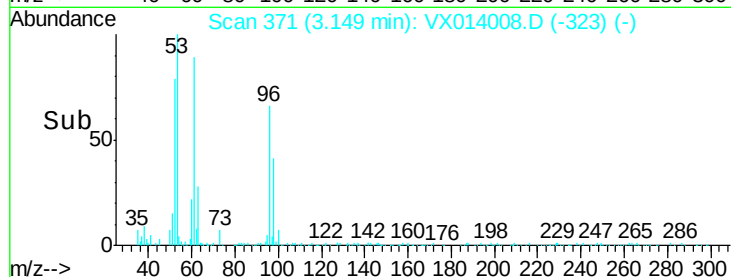
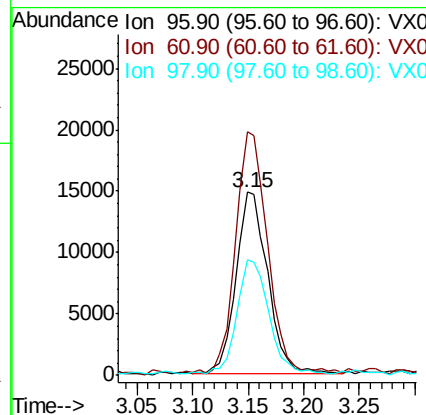
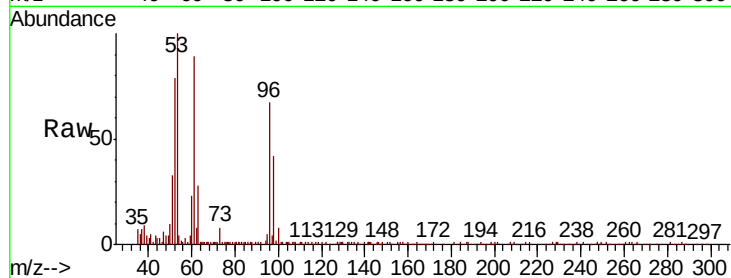
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	29051
Ion Ratio	Lower	Upper	
96	100		
61	133.0	108.3	162.5
98	61.9	50.8	76.2

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#22

Diisopropyl ether

Concen: 5.200 ug/l

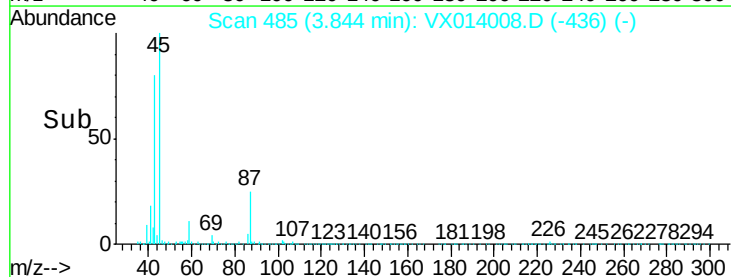
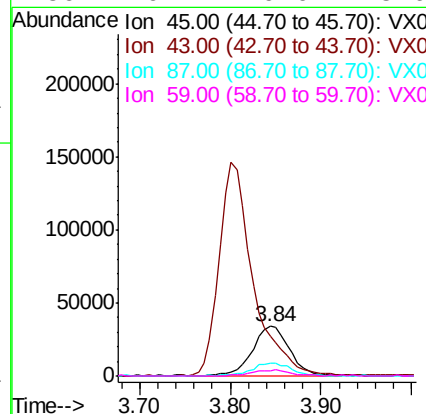
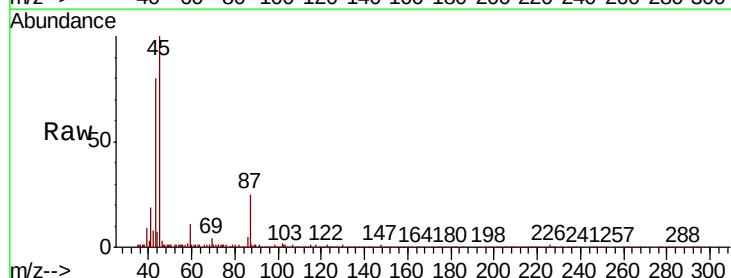
RT: 3.84 min Scan# 485

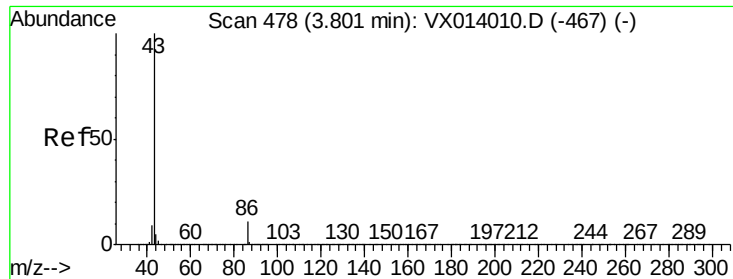
Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	45	Resp:	94564
Ion Ratio	Lower	Upper	
45	100		
43	78.6	57.4	86.0
87	25.1	21.9	32.9
59	10.4	9.0	13.6





#23

Vinyl Acetate

Concen: 25.363 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 382949

Ion Ratio Lower Upper

43 100

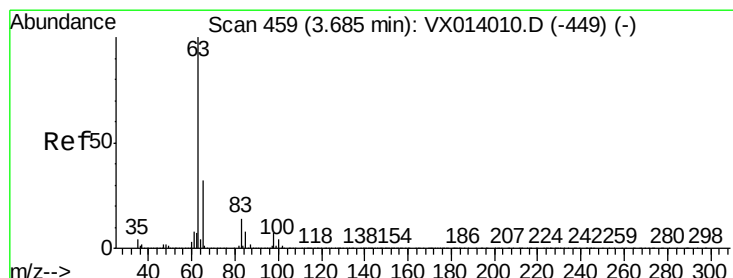
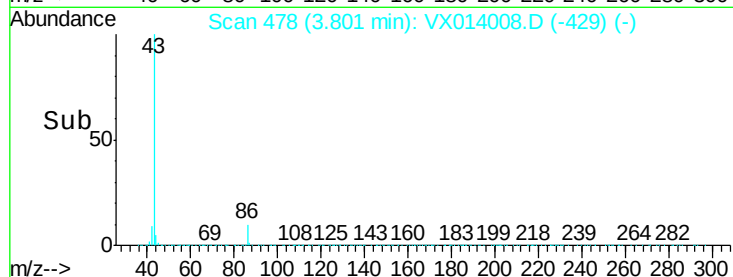
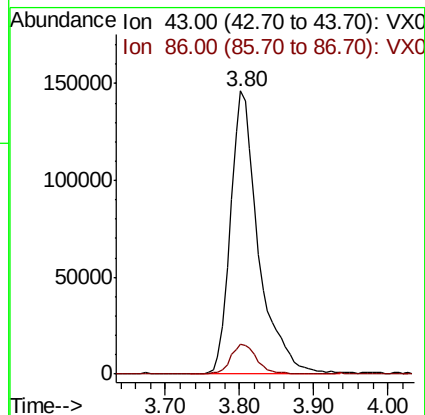
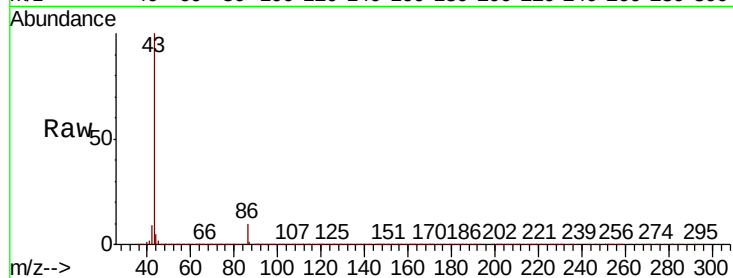
86 10.4 8.6 12.8

Manual Integrations

APPROVED

apatel

12/16/2019 12:45:57 PM



#24

1,1-Dichloroethane

Concen: 5.193 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

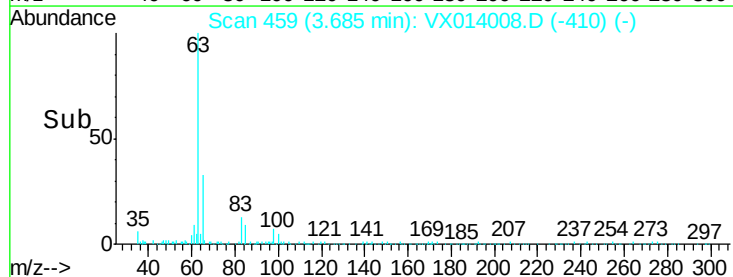
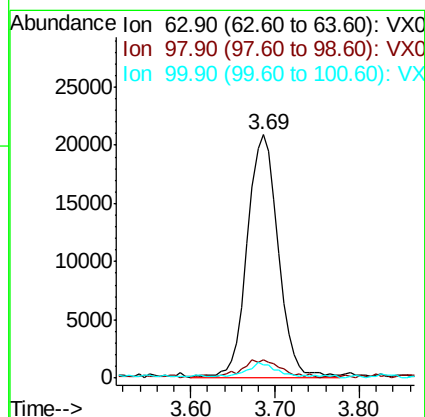
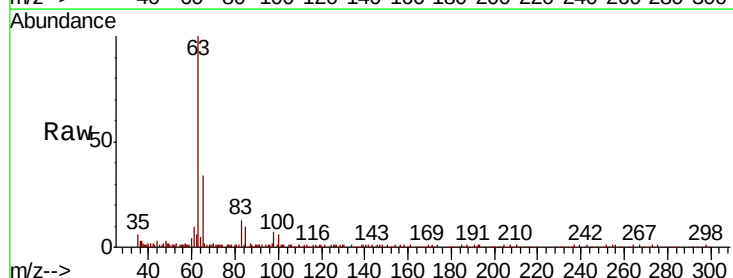
Tgt Ion: 63 Resp: 51625

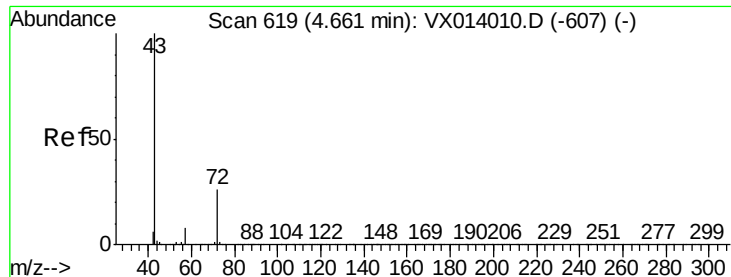
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

100 5.4 2.3 6.8





#25

2-Butanone

Concen: 26.185 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014008.D

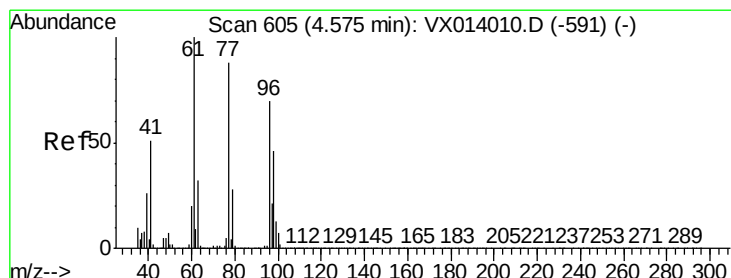
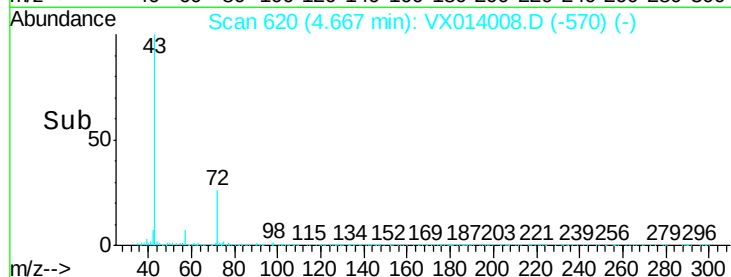
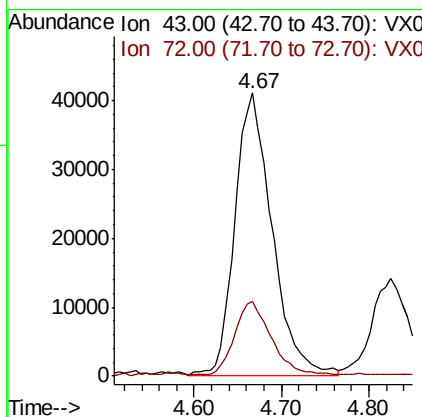
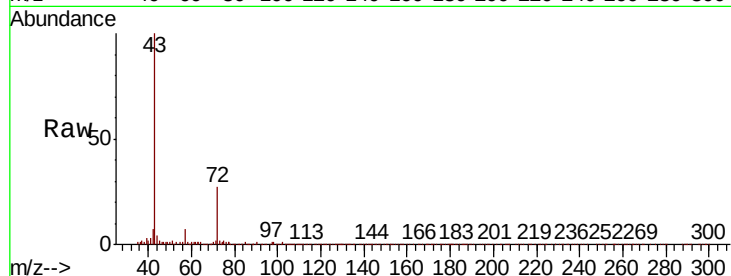
Acq: 13 Dec 2019 15:12

Tot Ion:	43	Resp:	122725
Ion Ratio	Lower	Upper	
43	100		
72	25.9	21.0	31.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#26

2,2-Dichloropropane

Concen: 4.585 ug/l

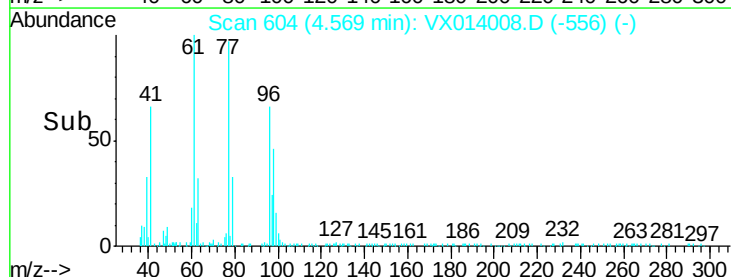
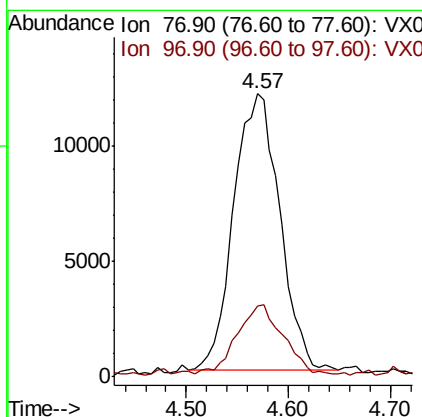
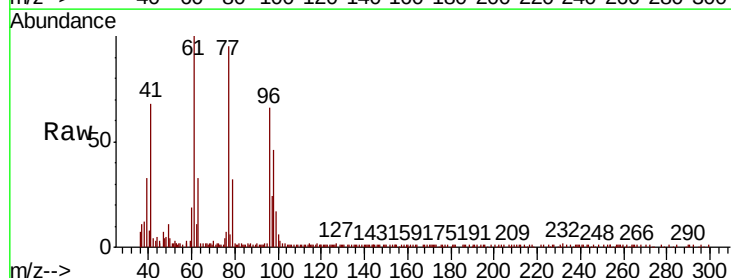
RT: 4.57 min Scan# 604

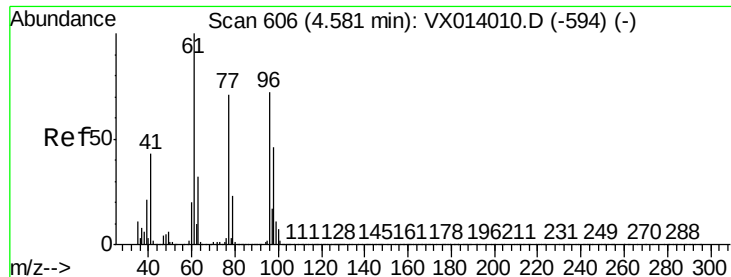
Delta R.T. -0.01 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	77	Resp:	37559
Ion Ratio	Lower	Upper	
77	100		
97	25.4	11.9	35.9





#27

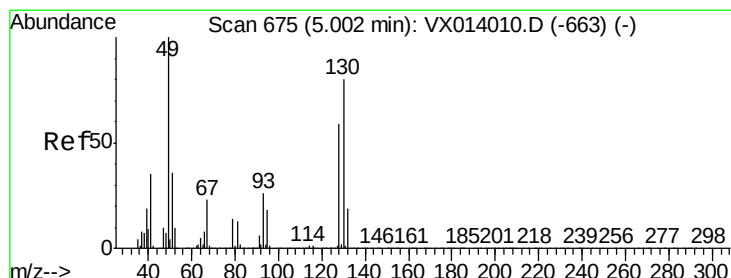
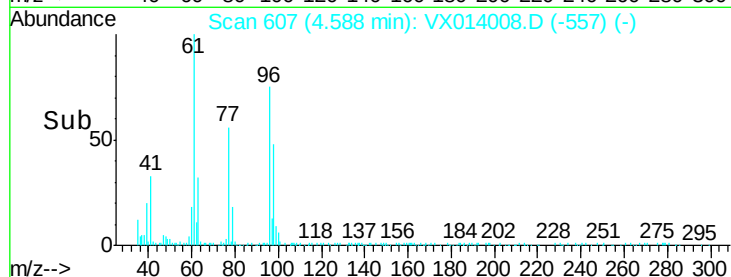
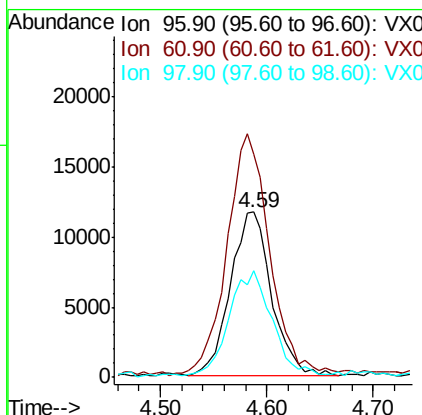
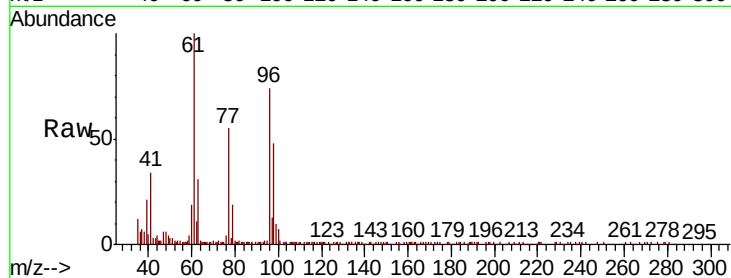
cis-1,2-Dichloroethene
Concen: 4.815 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.6	0.0	288.4	
98	67.0	0.0	129.6	

Manual Integrations
APPROVED

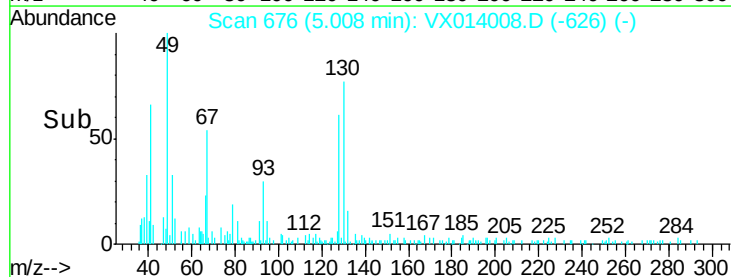
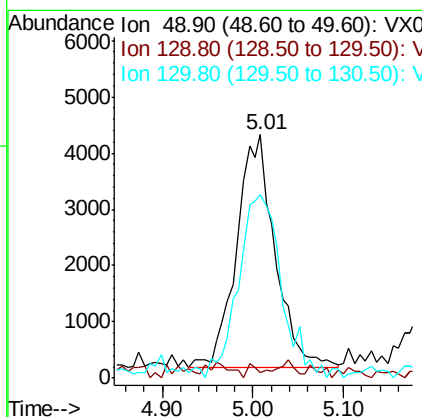
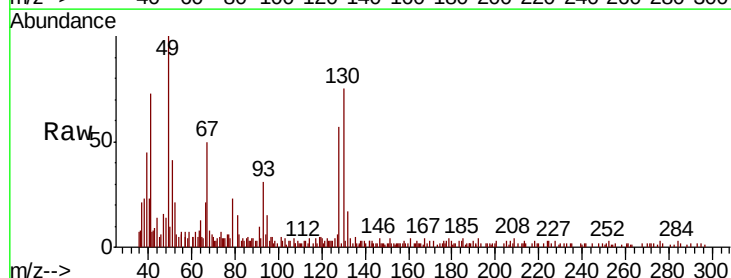
apatel
12/16/2019 12:45:57 PM

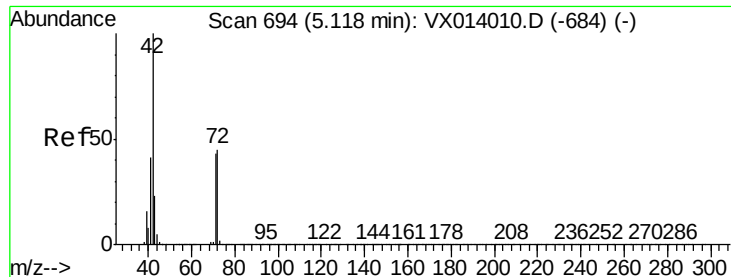


#28

Bromochloromethane
Concen: 3.451 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	5.0	
130	88.4	64.6	97.0	





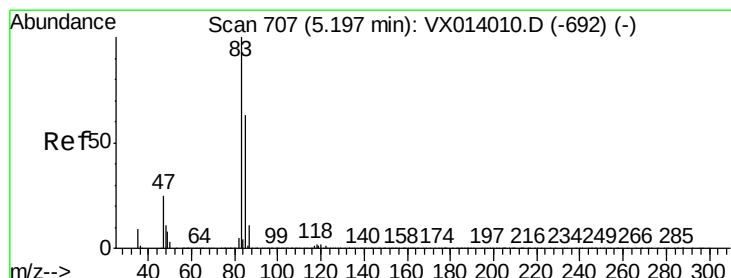
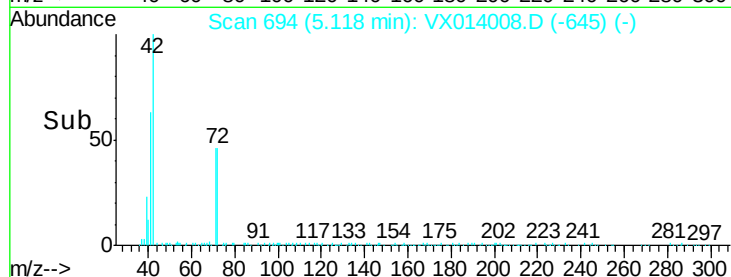
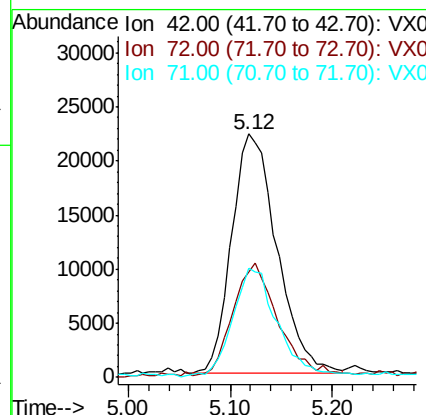
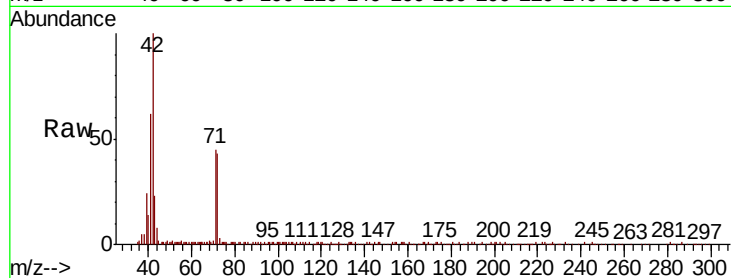
#29
Tetrahydrofuran
Concen: 24.029 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	67887
Ion	Ratio	Lower	Upper
42	100		
72	47.0	35.8	53.8
71	46.1	33.6	50.4

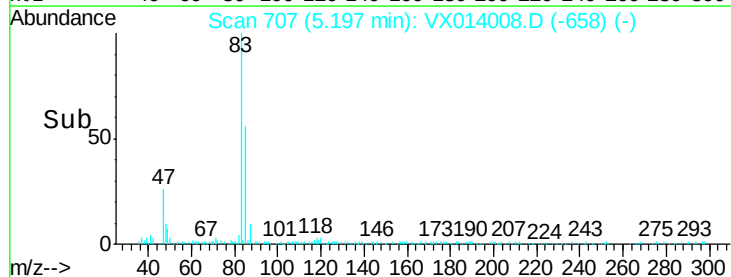
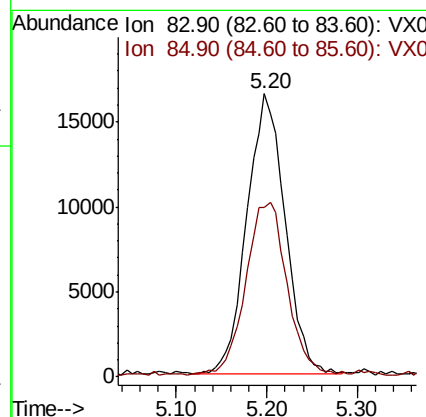
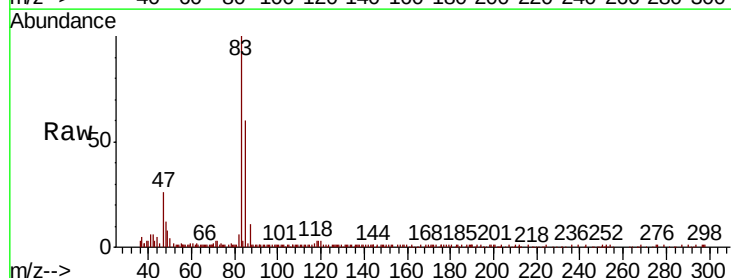
Manual Integrations
APPROVED

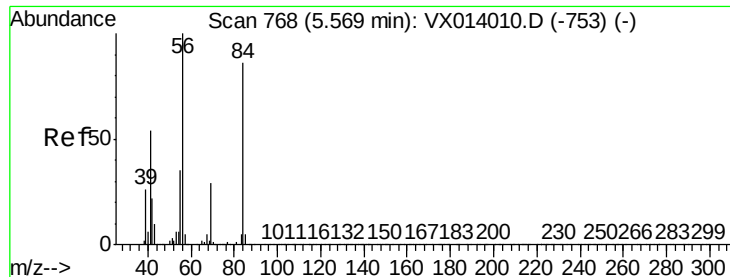
apatel
12/16/2019 12:45:57 PM



#30
Chloroform
Concen: 4.800 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion:	83	Resp:	48299
Ion	Ratio	Lower	Upper
83	100		
85	59.3	50.8	76.2





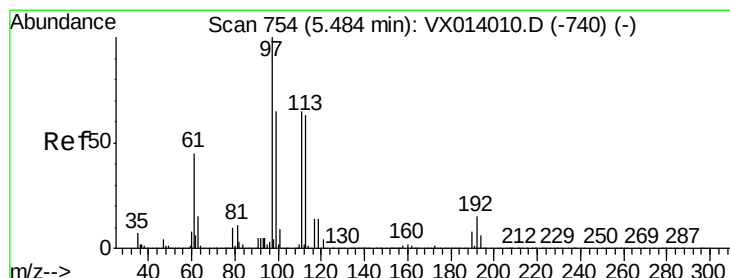
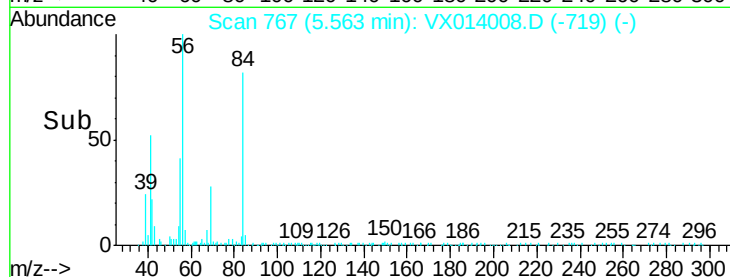
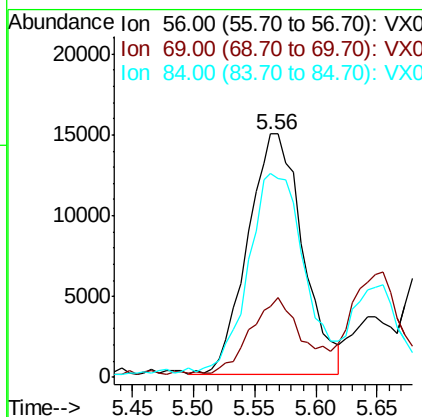
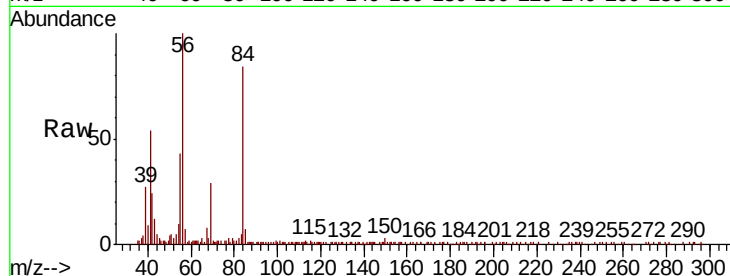
#31
Cyclohexane
Concen: 4.935 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.2	34.8
84	82.4	69.2	103.8

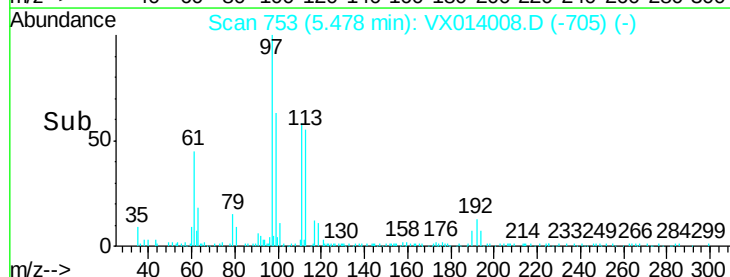
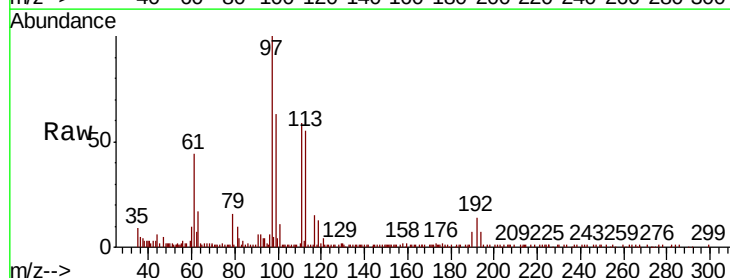
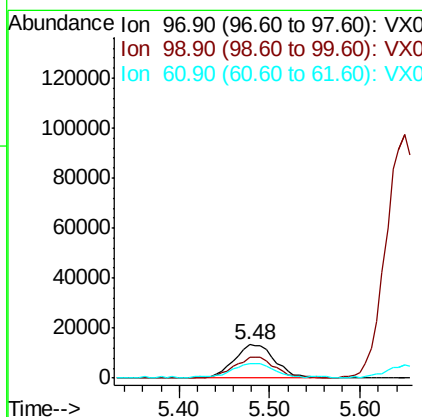
Manual Integrations
APPROVED

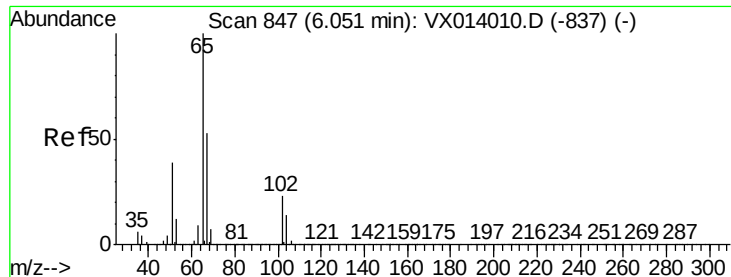
apatel
12/16/2019 12:45:57 PM



#32
1,1,1-Trichloroethane
Concen: 4.872 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	44.9	36.7	55.1





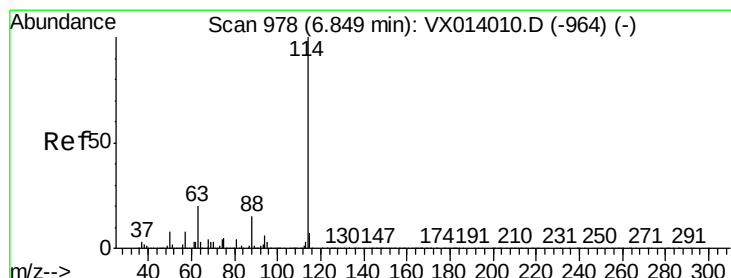
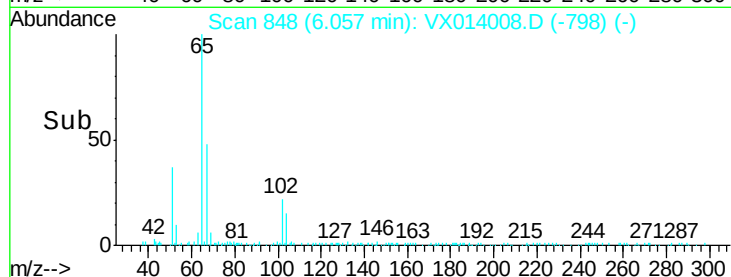
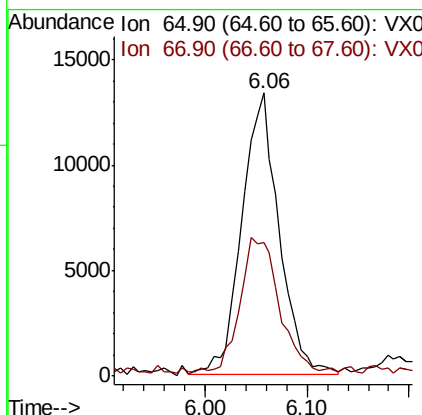
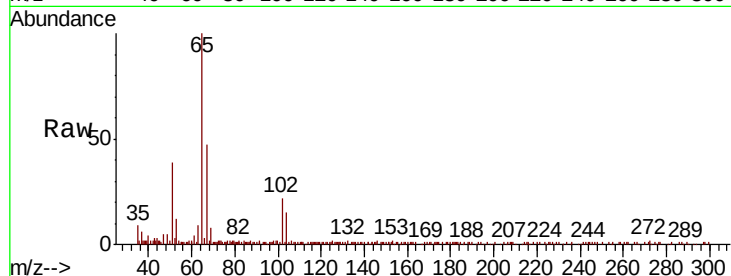
#33
 1,2-Dichloroethane-d4
 Concen: 5.329 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	106.4

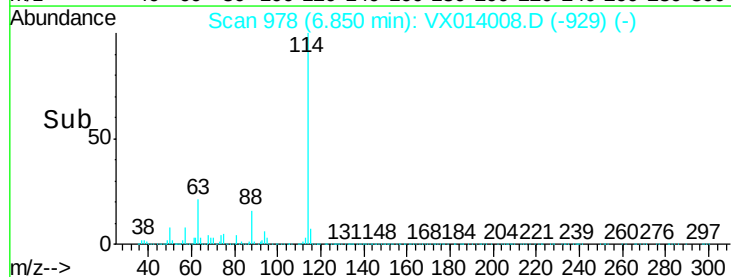
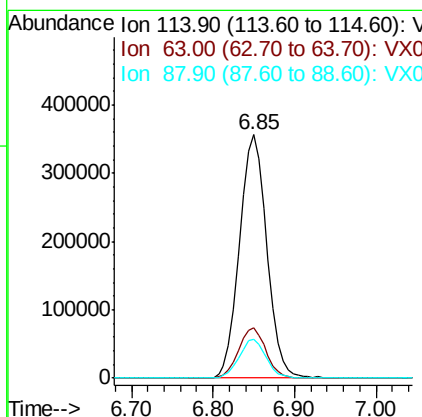
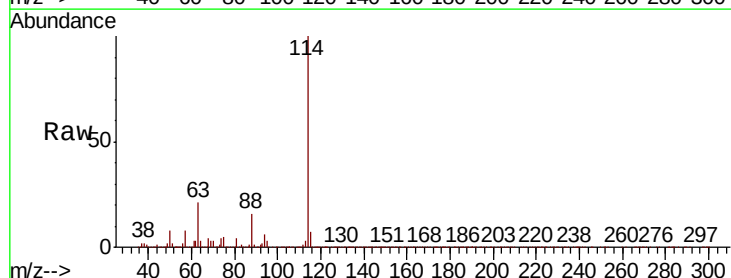
Manual Integrations
 APPROVED

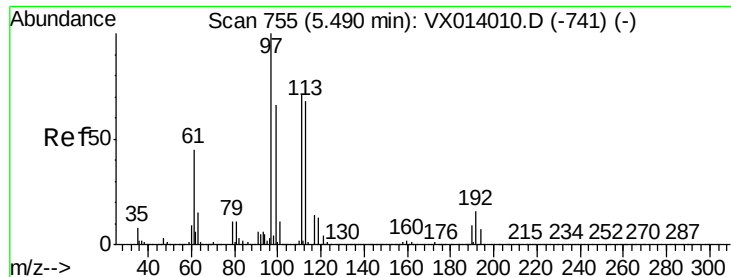
apatel
 12/16/2019 12:45:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	15.7	0.0	30.4





#35

Dibromofluoromethane

Concen: 5.176 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

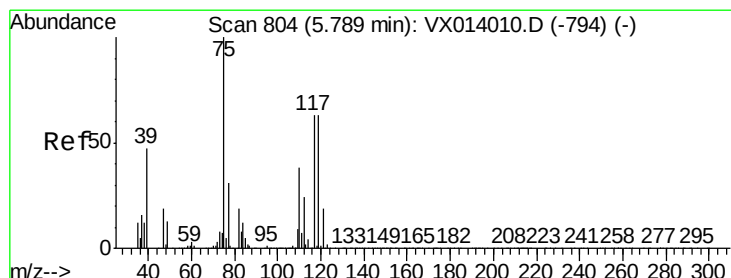
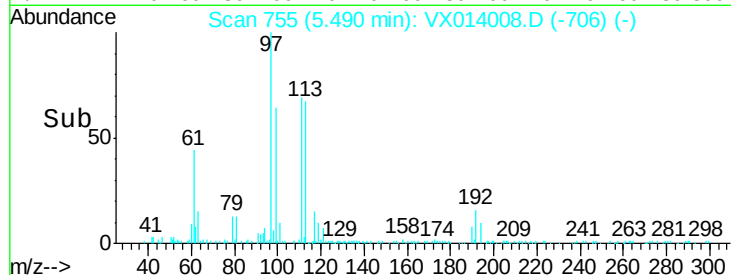
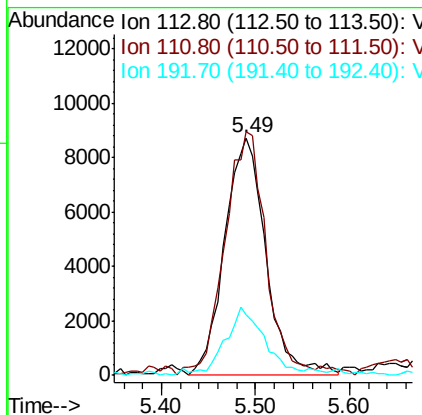
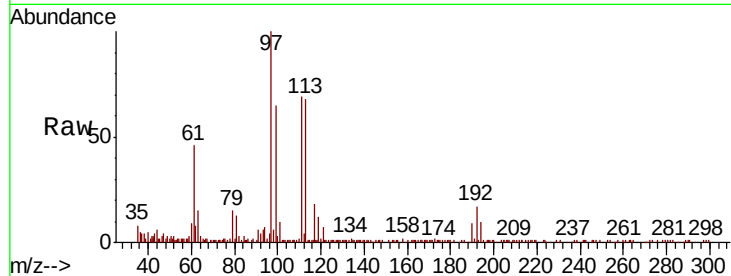
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	26664
Ion Ratio	Lower	Upper	
113	100		
111	101.2	82.0	123.0
192	25.7	19.3	28.9

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#36

1,1-Dichloropropene

Concen: 4.919 ug/l

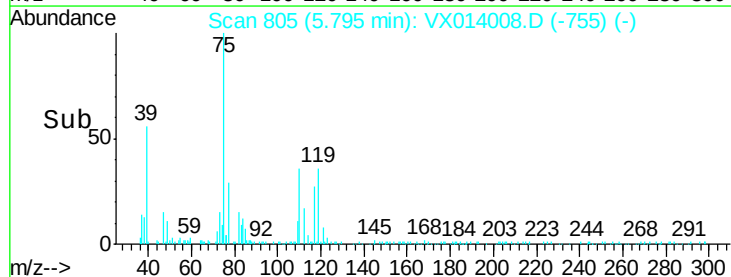
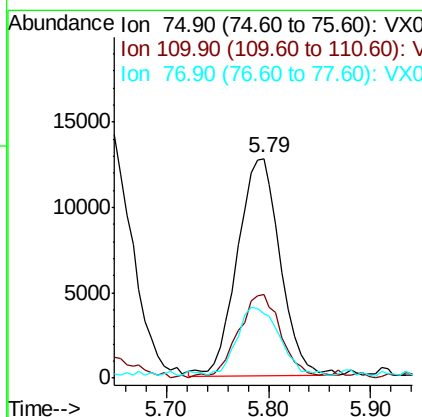
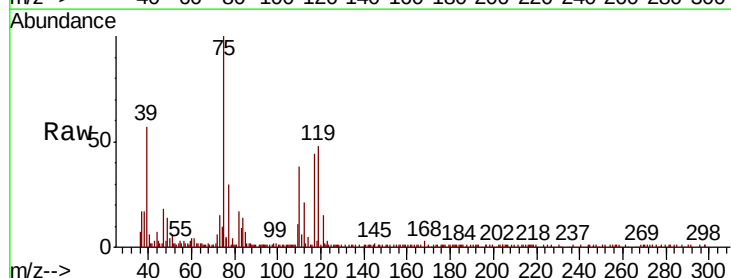
RT: 5.79 min Scan# 805

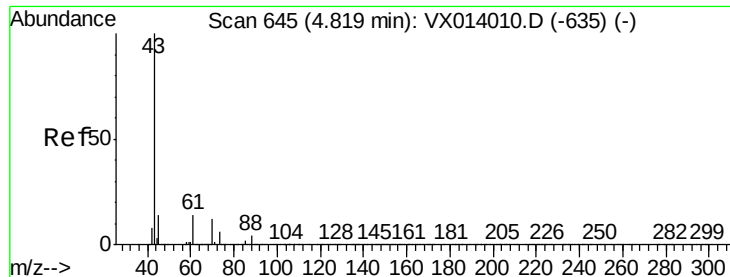
Delta R.T. 0.01 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	75	Resp:	37031
Ion Ratio	Lower	Upper	
75	100		
110	39.0	18.3	54.9
77	30.8	24.8	37.2





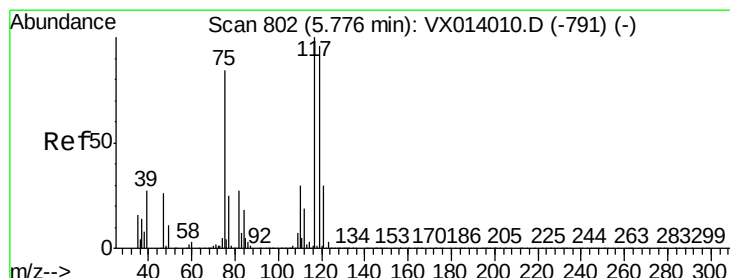
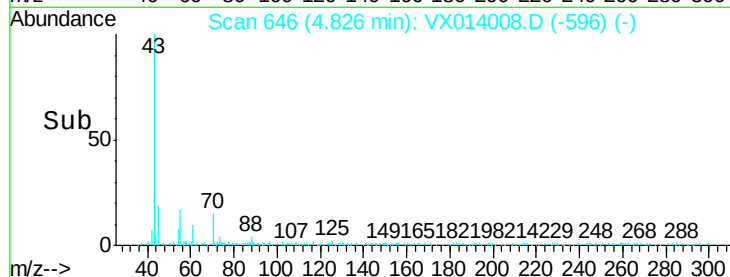
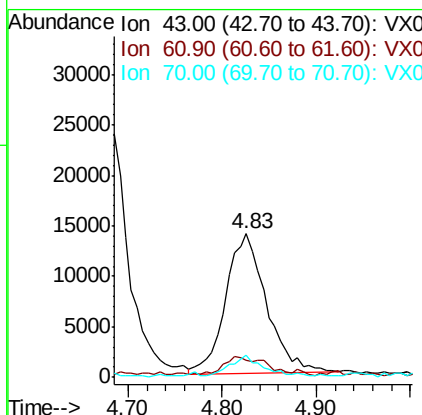
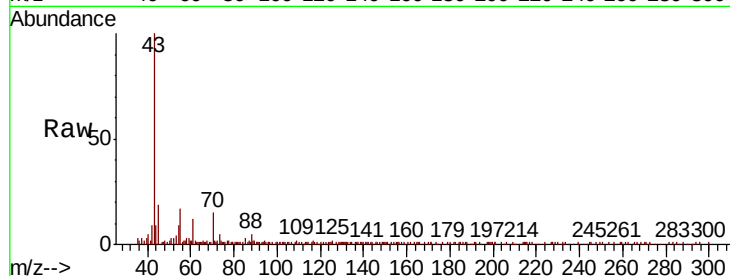
#37
Ethyl Acetate
Concen: 4.976 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	41790
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.4	8.6	12.8

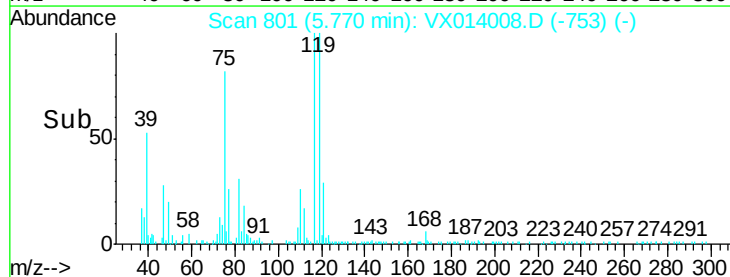
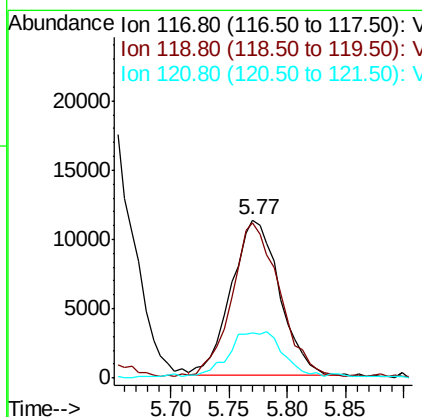
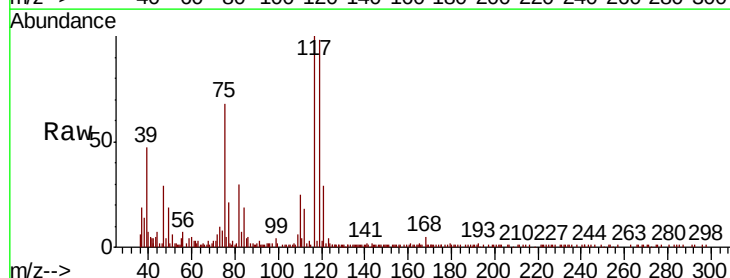
Manual Integrations
APPROVED

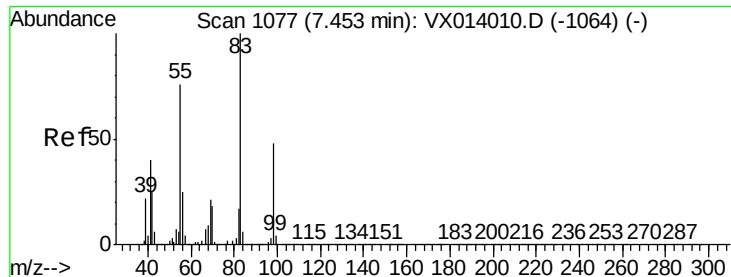
apatel
12/16/2019 12:45:57 PM



#38
Carbon Tetrachloride
Concen: 4.697 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion:	117	Resp:	32620
Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.2	114.4
121	27.8	23.6	35.4





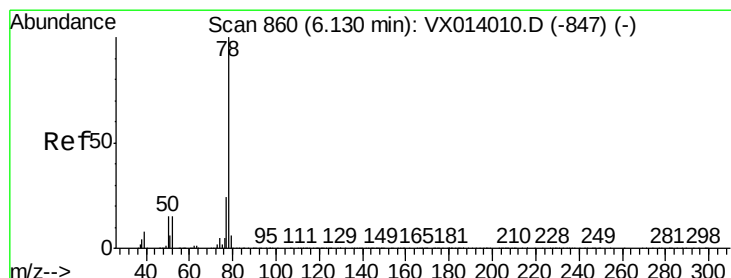
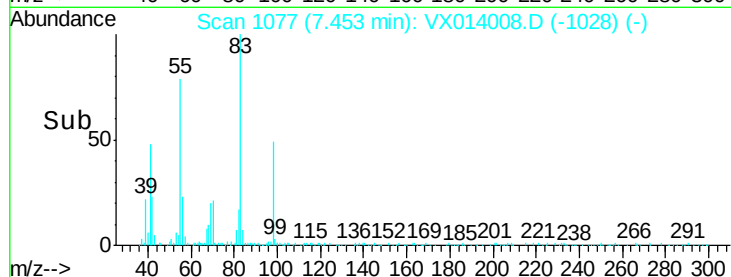
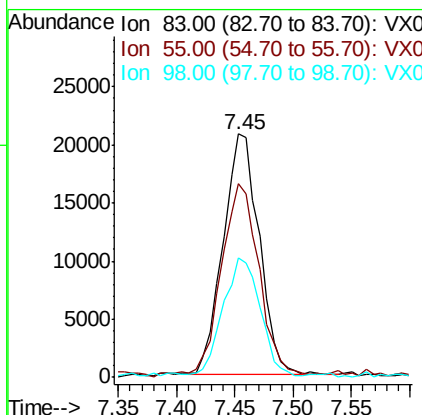
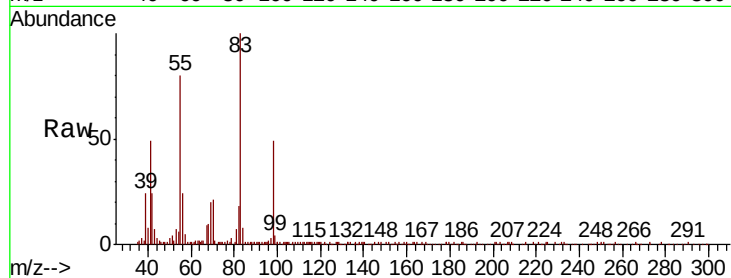
#39
Methylvclclohexane
Concen: 4.796 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	61.0	91.6
98	49.2	38.6	57.8

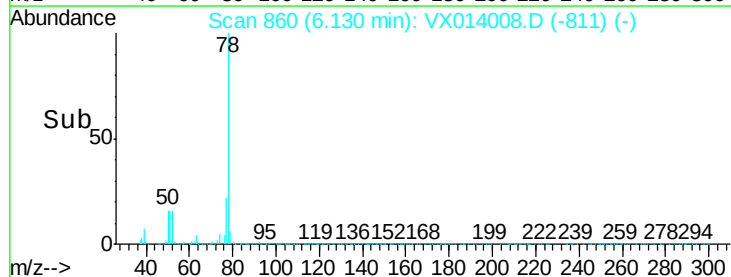
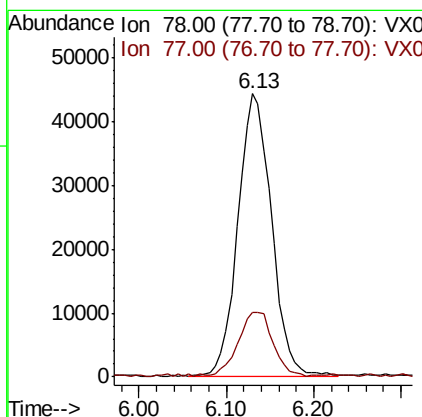
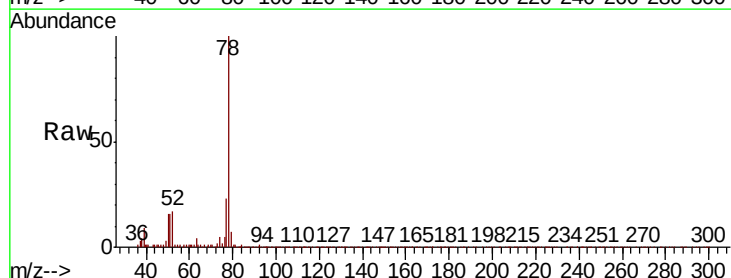
Manual Integrations
APPROVED

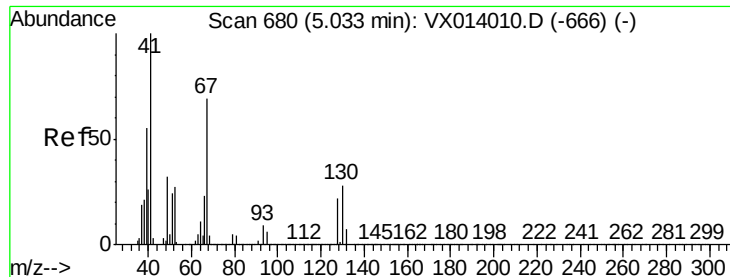
apatel
12/16/2019 12:45:57 PM



#40
Benzene
Concen: 5.119 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.8	28.2





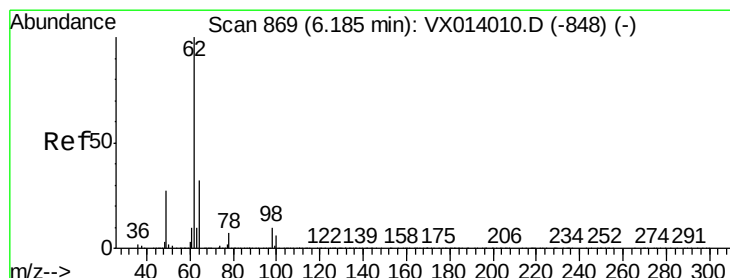
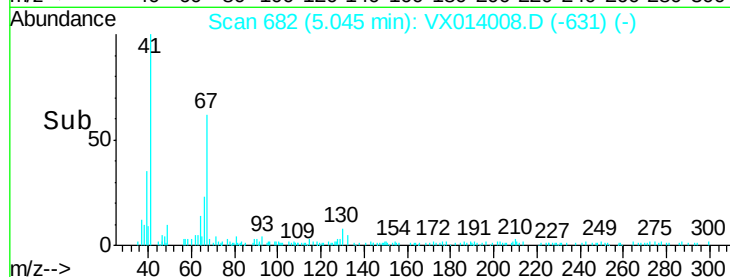
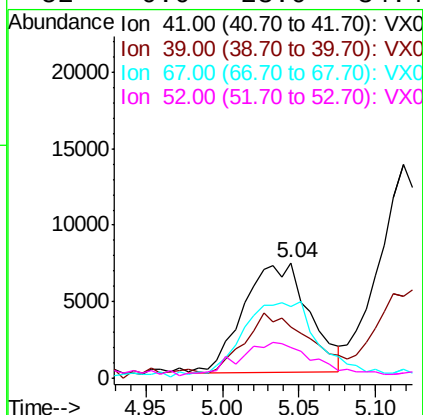
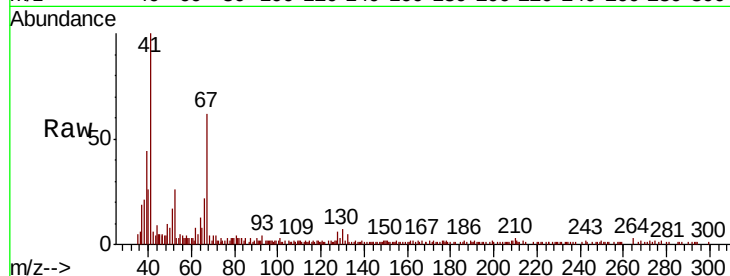
#41
Methacrylonitrile
Concen: 4.646 ug/l
RT: 5.04 min Scan# 682
Delta R.T. 0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.5	66.7#
67	80.3	57.4	86.0
52	0.0	23.0	34.4#

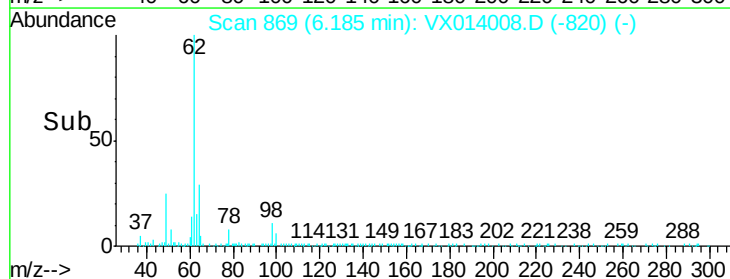
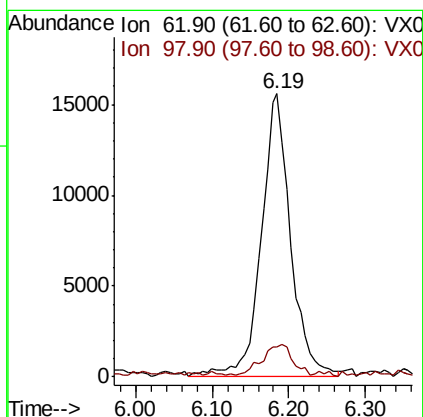
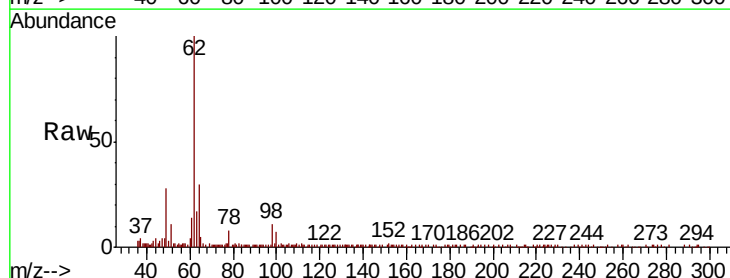
Manual Integrations
APPROVED

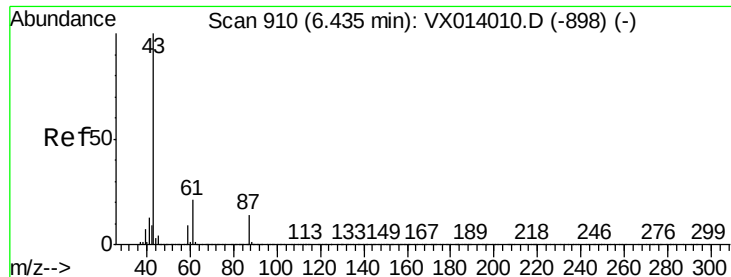
apatel
12/16/2019 12:45:57 PM



#42
1,2-Dichloroethane
Concen: 5.333 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	21.0





#43

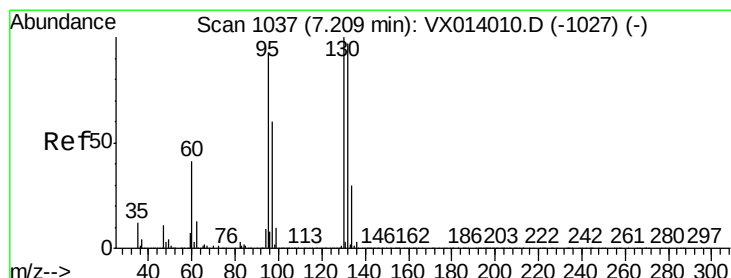
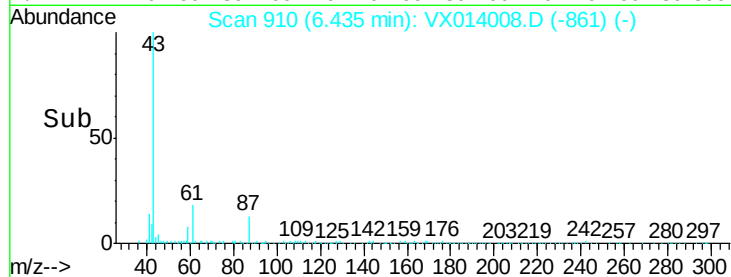
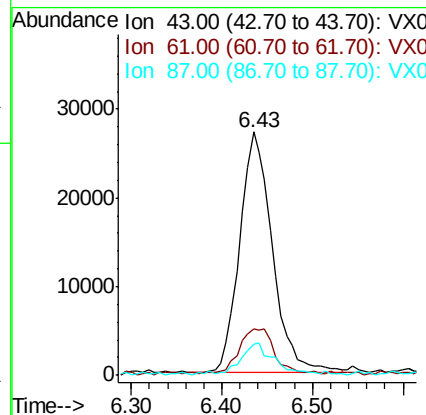
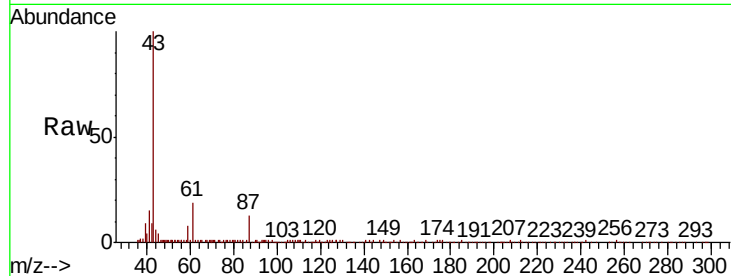
Isopropyl Acetate
 Concen: 4.909 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	43	Resp:	68104
Ion	Ratio	Lower	Upper
43	100		
61	19.4	16.4	24.6
87	12.1	10.7	16.1

Manual Integrations
 APPROVED

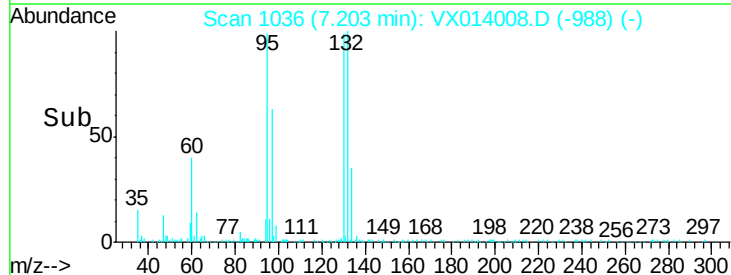
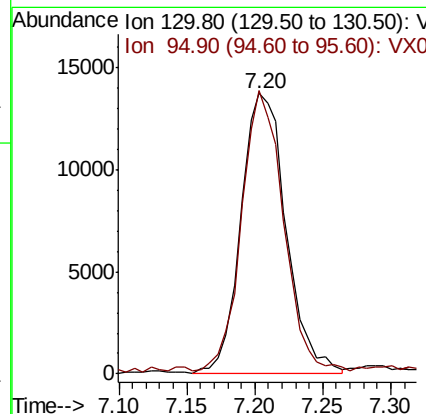
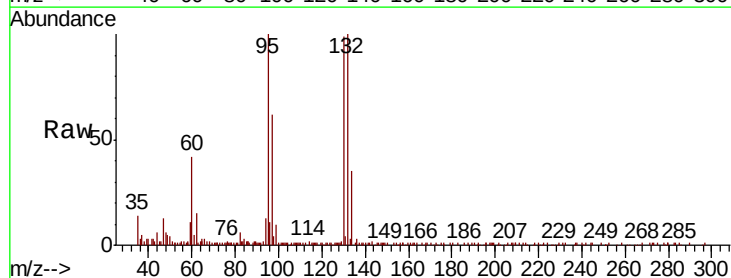
apatel
 12/16/2019 12:45:57 PM

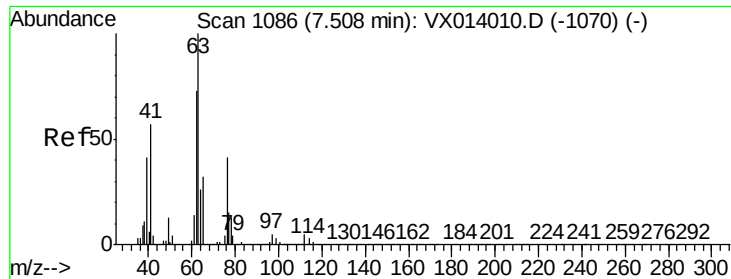


#44

Trichloroethene
 Concen: 5.096 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion:	130	Resp:	32022
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	185.6





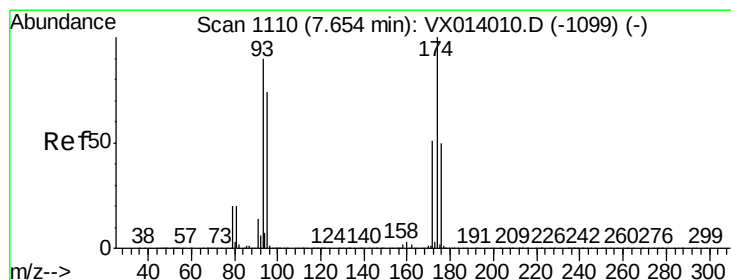
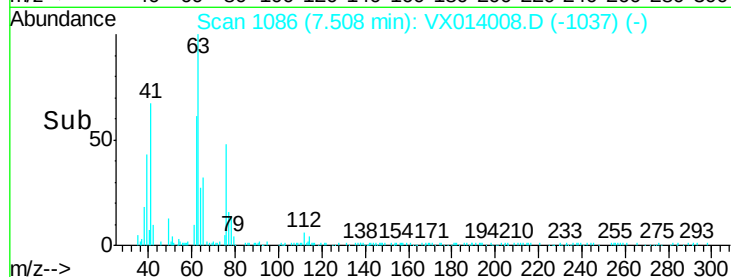
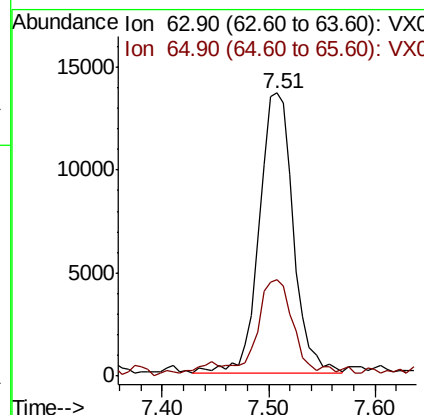
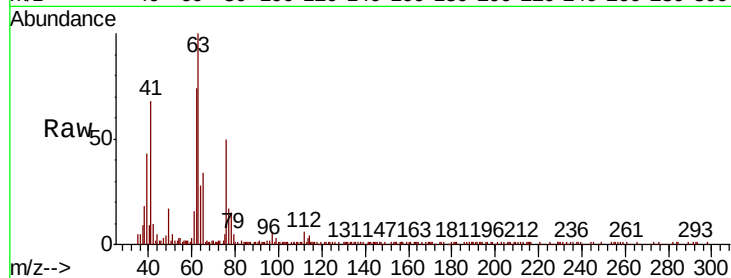
#45
 1,2-Dichloropropane
 Concen: 5.259 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.8

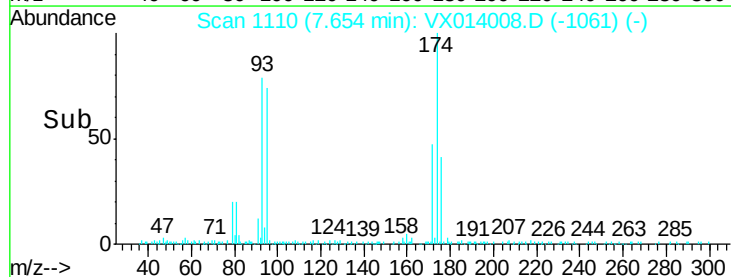
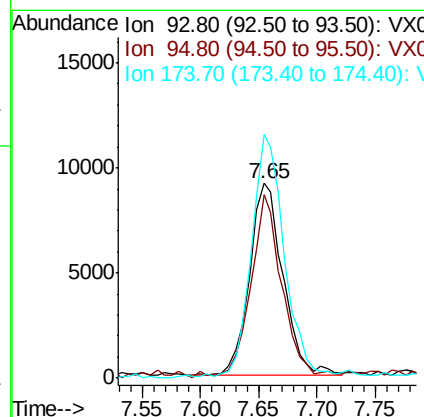
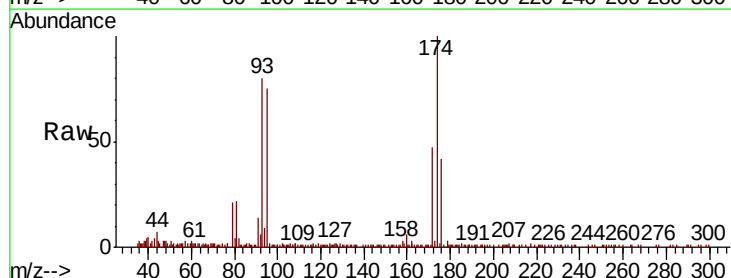
Manual Integrations
 APPROVED

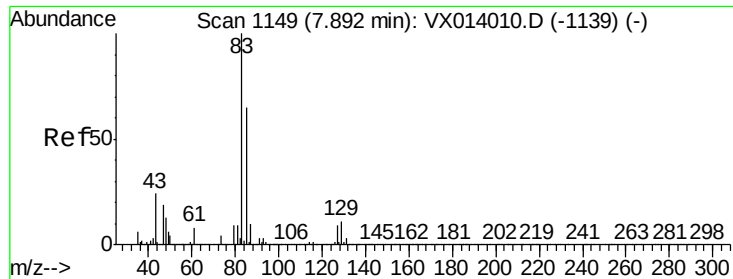
apatel
 12/16/2019 12:45:57 PM



#46
 Dibromomethane
 Concen: 4.751 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.3	100.9
174	121.4	91.6	137.4





#47

Bromodichloromethane

Concen: 4.711 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

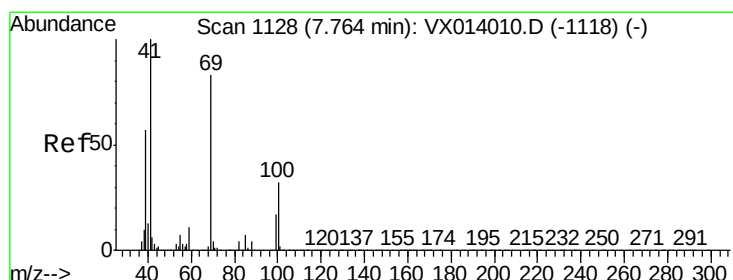
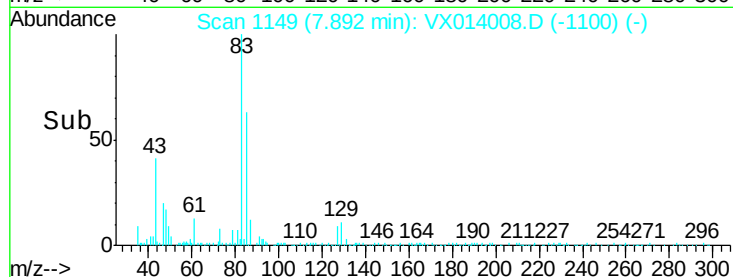
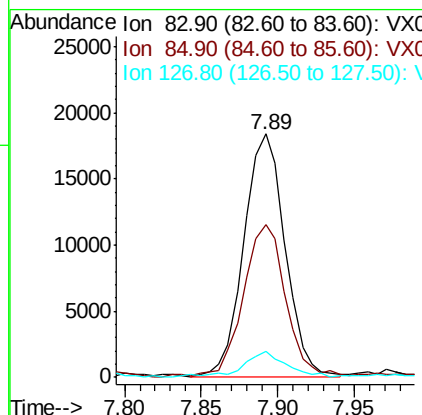
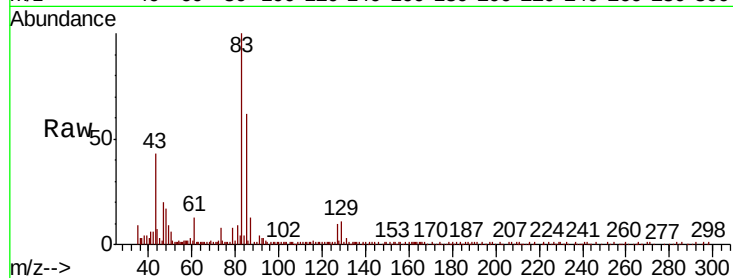
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	34707
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.8
127	9.5	7.0	10.4

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#48

Methyl methacrylate

Concen: 4.726 ug/l

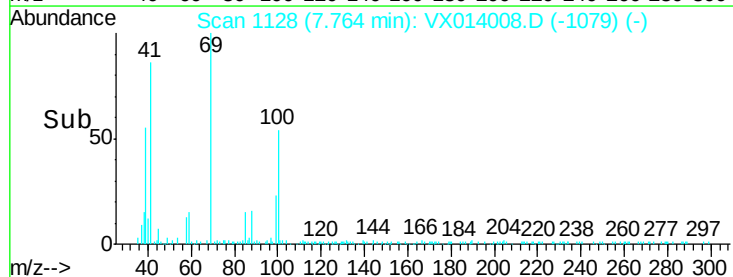
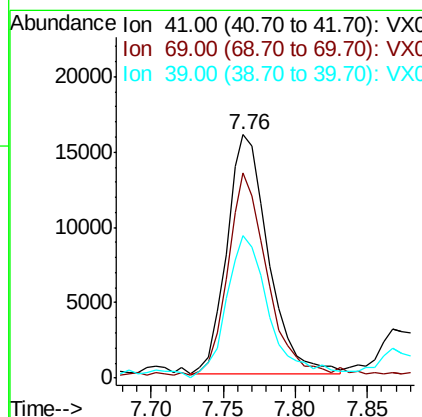
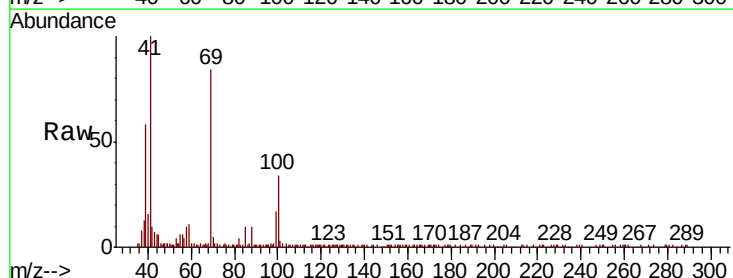
RT: 7.76 min Scan# 1128

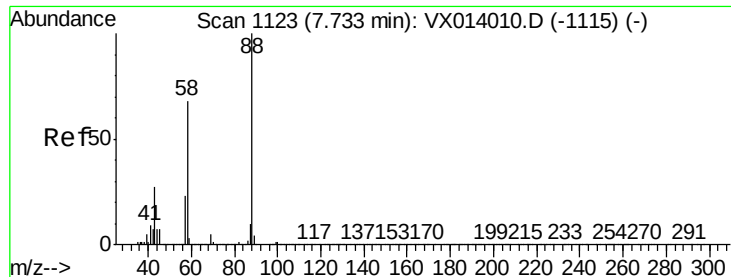
Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	41	Resp:	31789
Ion	Ratio	Lower	Upper
41	100		
69	80.1	65.8	98.6
39	62.6	44.6	67.0





#49

1,4-Dioxane

Concen: 105.356 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

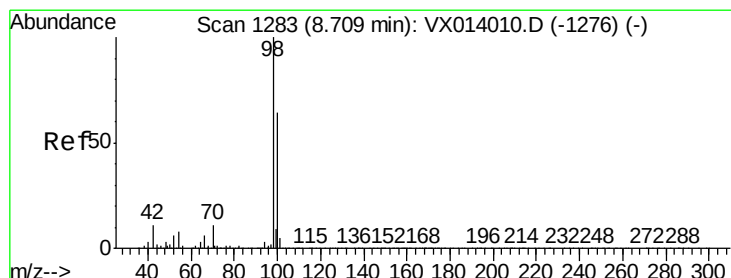
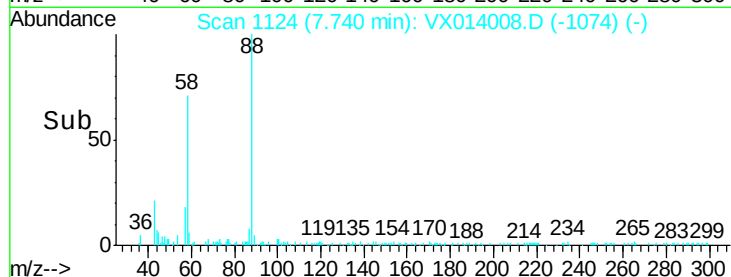
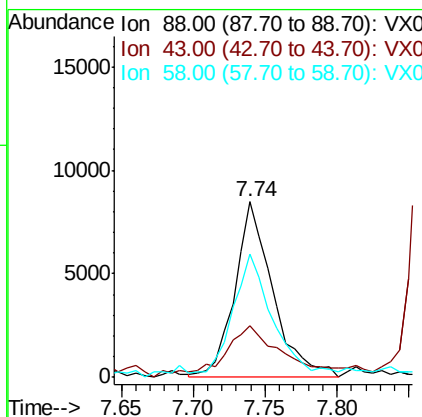
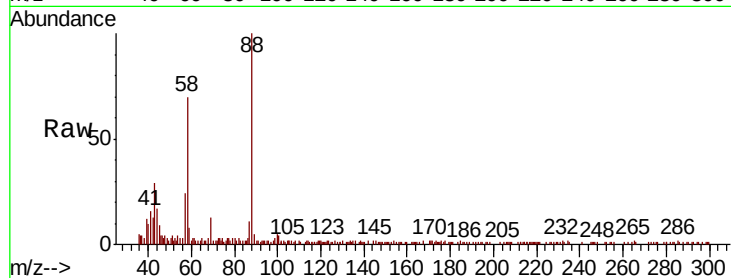
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	15607
Ion Ratio	Lower	Upper	
88	100		
43	50.4	26.5	39.7#
58	68.8	56.8	85.2

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#50

Toluene-d8

Concen: 5.092 ug/l

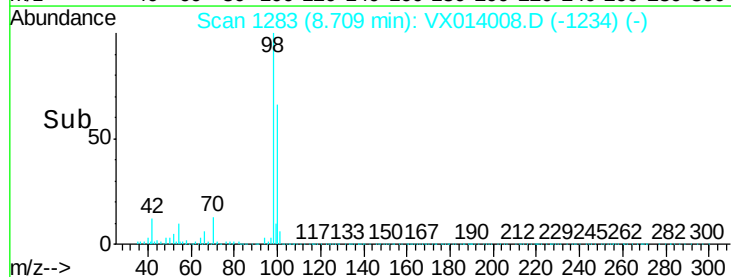
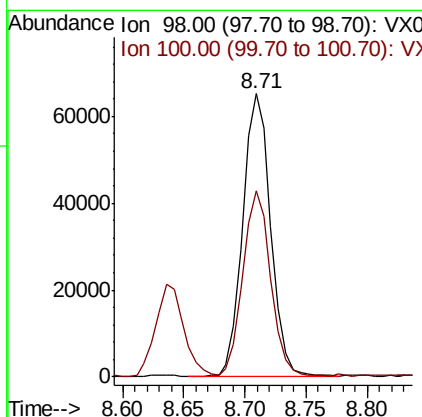
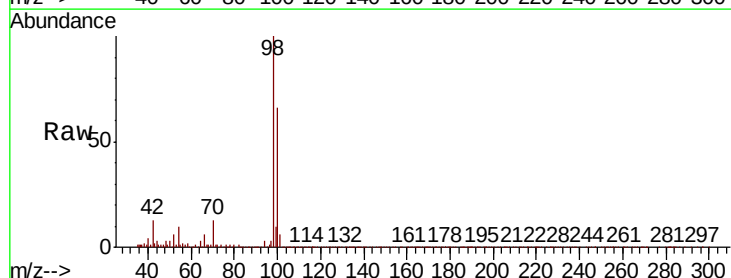
RT: 8.71 min Scan# 1283

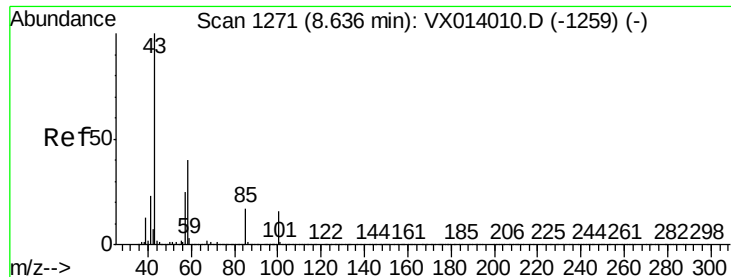
Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	98	Resp:	102565
Ion Ratio	Lower	Upper	
98	100		
100	65.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 25.920 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 225793

Ion Ratio Lower Upper

43 100

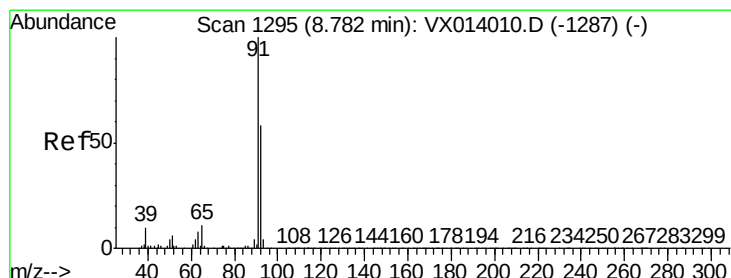
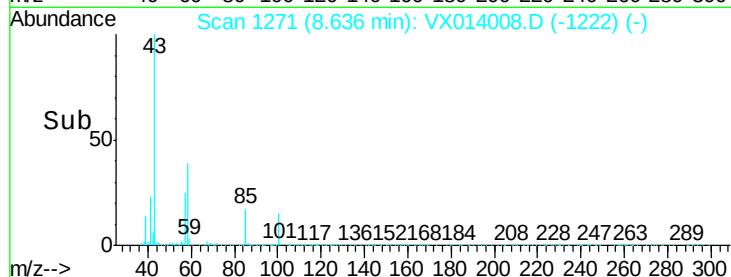
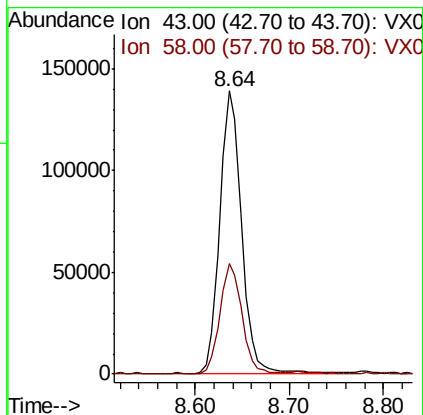
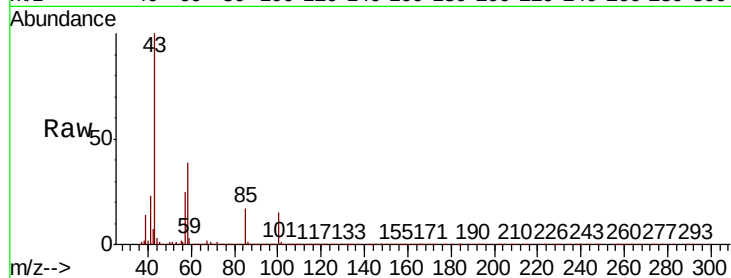
58 38.3 32.2 48.2

Manual Integrations

APPROVED

apatel

12/16/2019 12:45:57 PM



#52

Toluene

Concen: 5.133 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014008.D

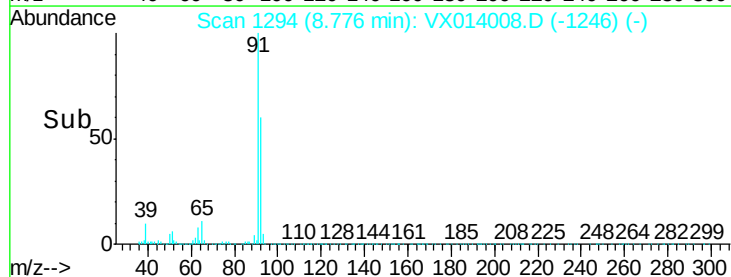
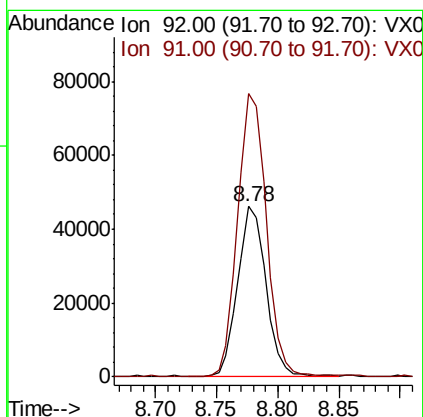
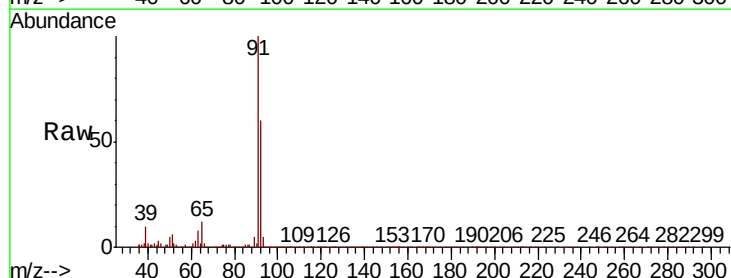
Acq: 13 Dec 2019 15:12

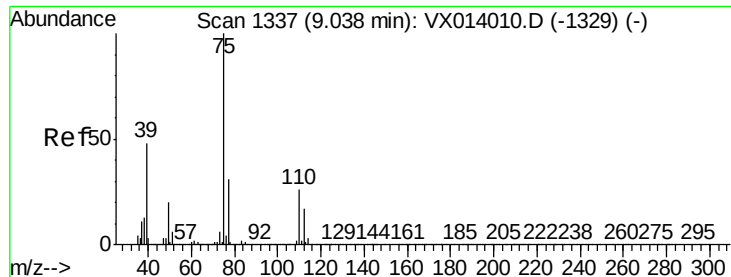
Tgt Ion: 92 Resp: 73375

Ion Ratio Lower Upper

92 100

91 169.5 136.2 204.4





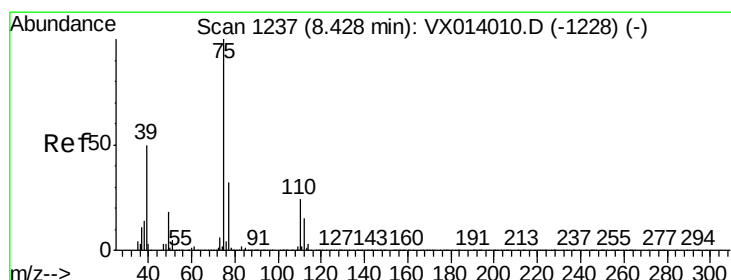
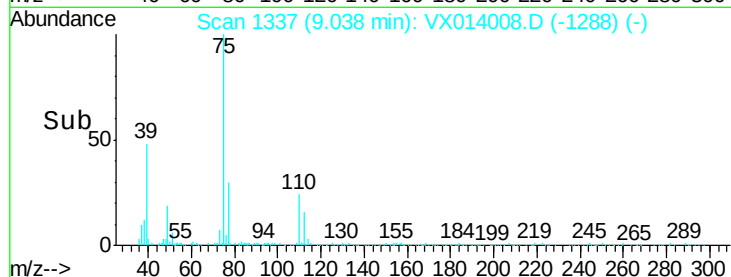
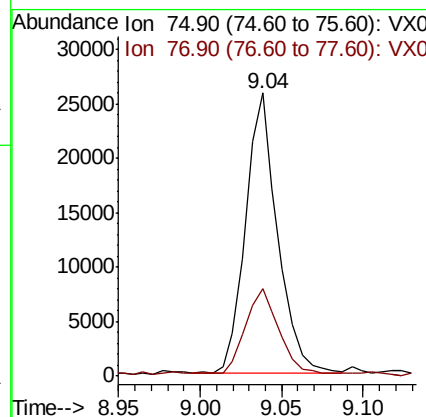
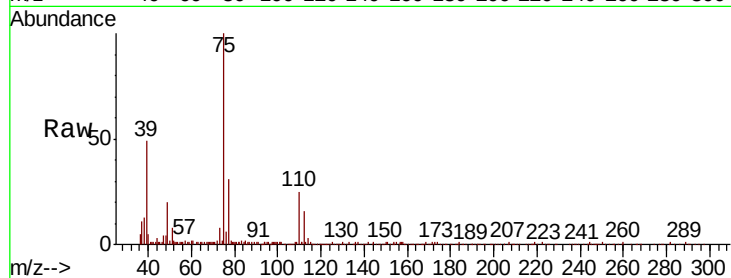
#53
t-1,3-Dichloropropene
Concen: 4.203 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.1	37.7

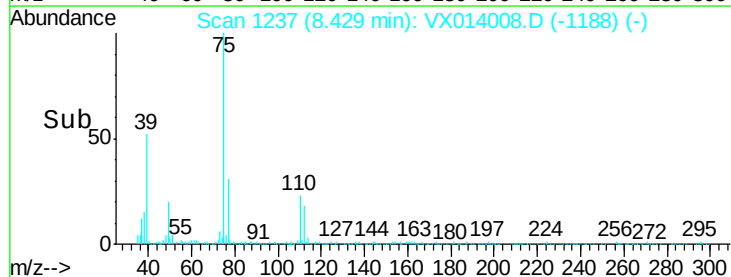
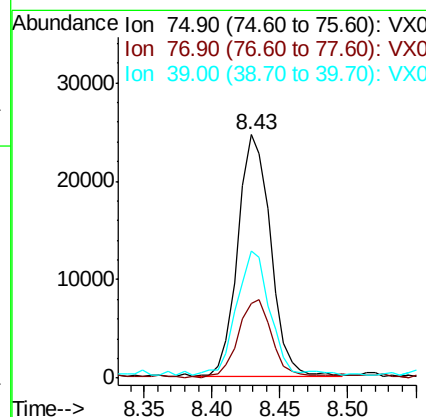
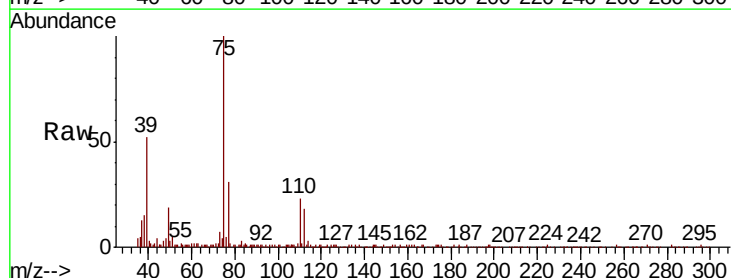
Manual Integrations
APPROVED

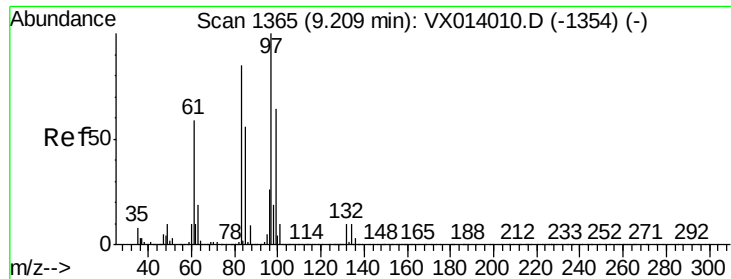
apatel
12/16/2019 12:45:57 PM



#54
cis-1,3-Dichloropropene
Concen: 4.498 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.3	37.9
39	51.5	39.9	59.9





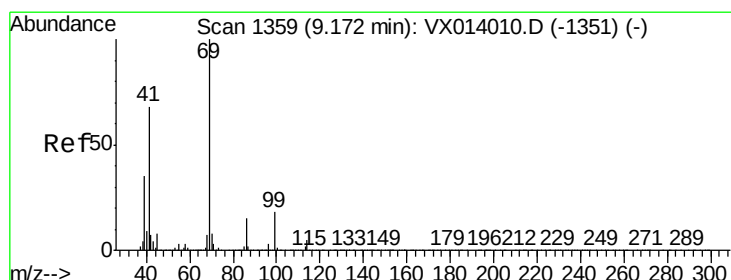
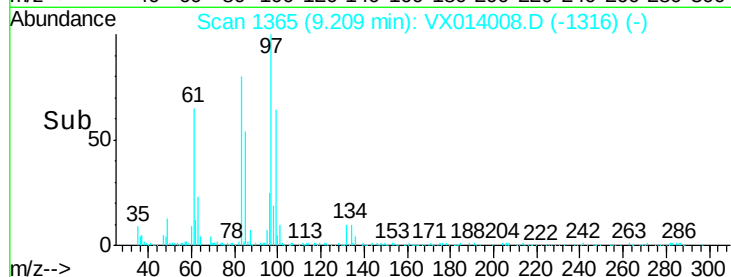
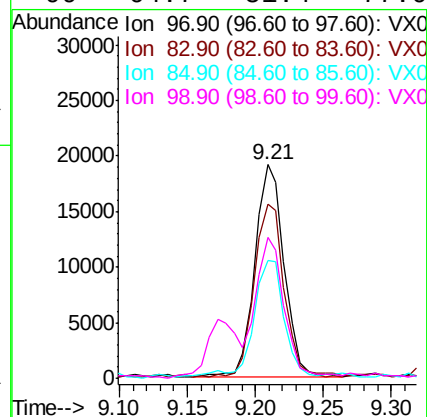
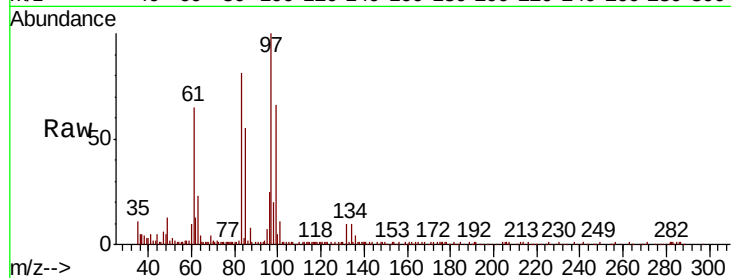
#55
 1,1,2-Trichloroethane
 Concen: 4.972 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		28600		
83	80.6	68.2	102.4		
85	54.1	44.6	66.8		
99	64.7	51.4	77.0		

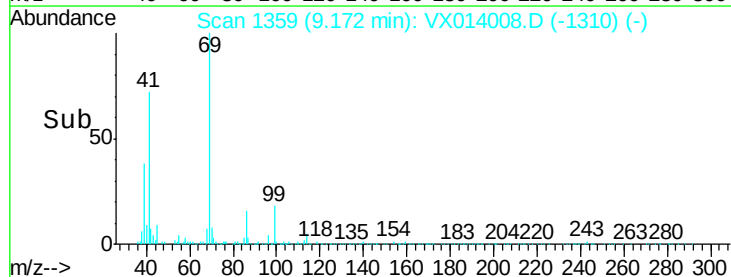
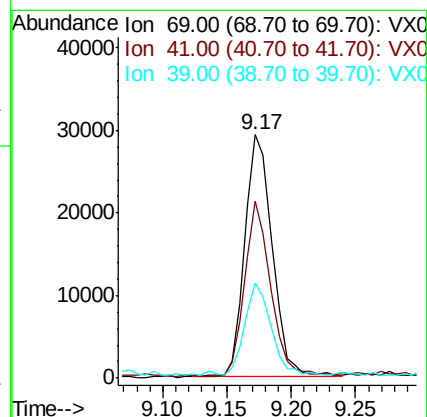
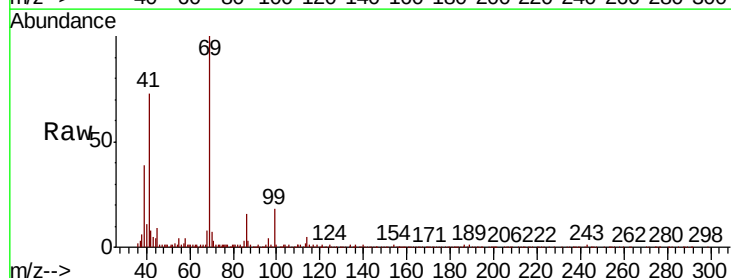
Manual Integrations
 APPROVED

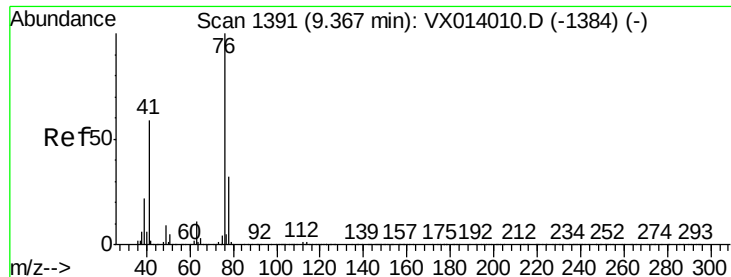
apatel
 12/16/2019 12:45:57 PM



#56
 Ethyl methacrylate
 Concen: 4.702 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		43557		
41	67.9	54.8	82.2		
39	37.0	28.3	42.5		





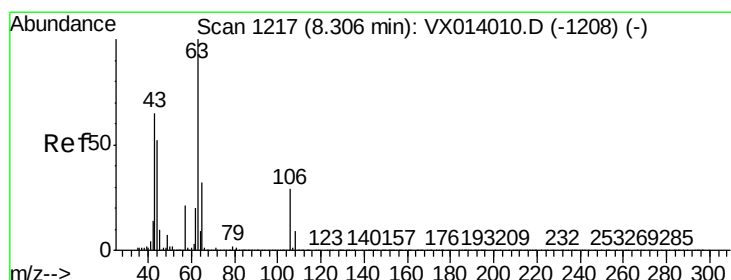
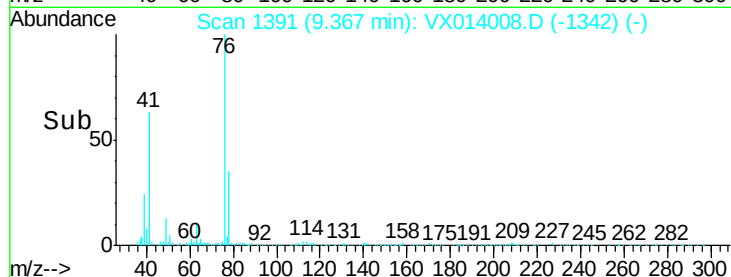
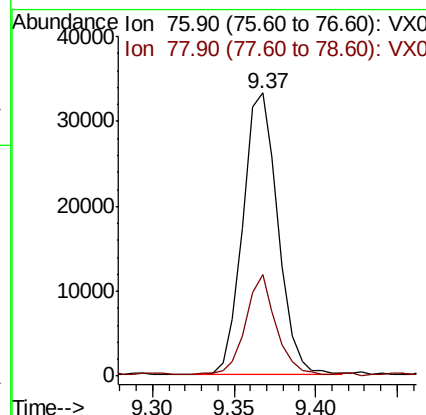
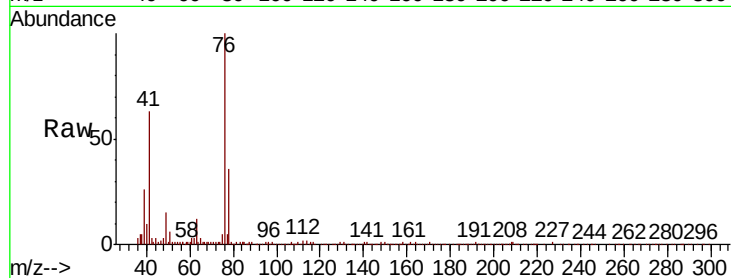
#57
 1,3-Dichloropropane
 Concen: 5.020 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.6	25.8	38.6

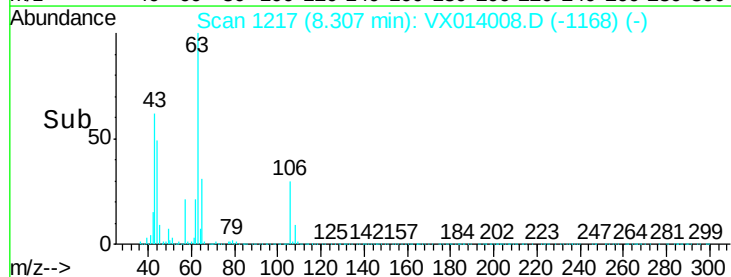
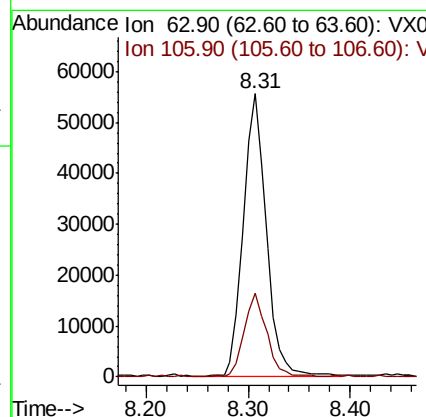
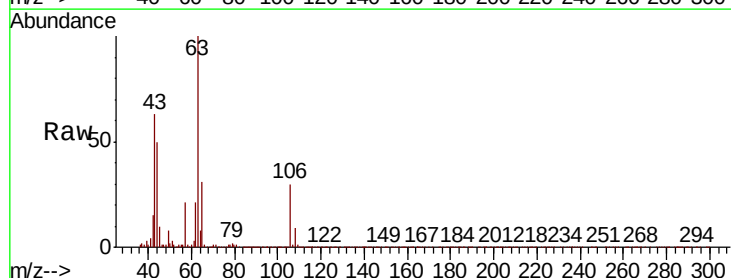
Manual Integrations
 APPROVED

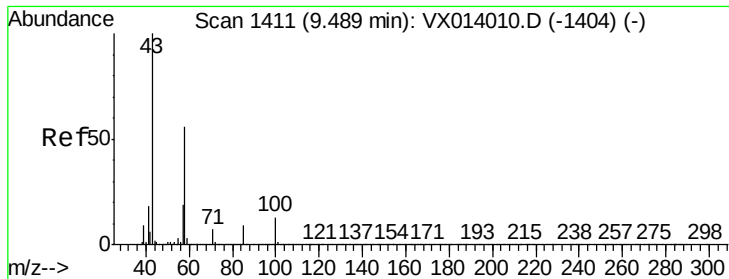
apatel
 12/16/2019 12:45:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.748 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.0	34.6





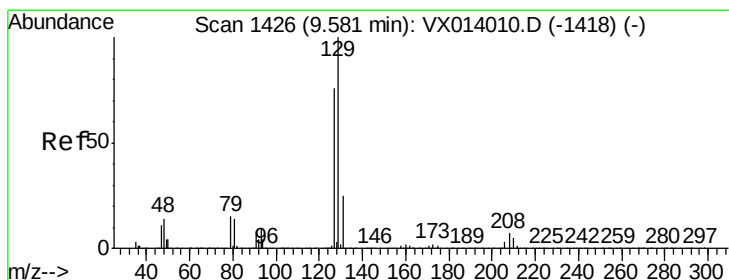
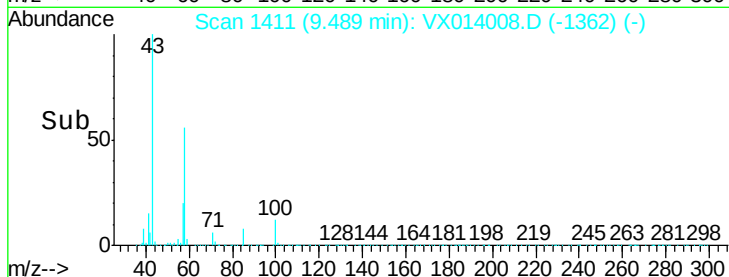
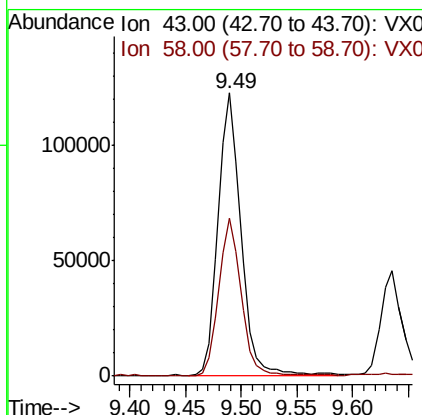
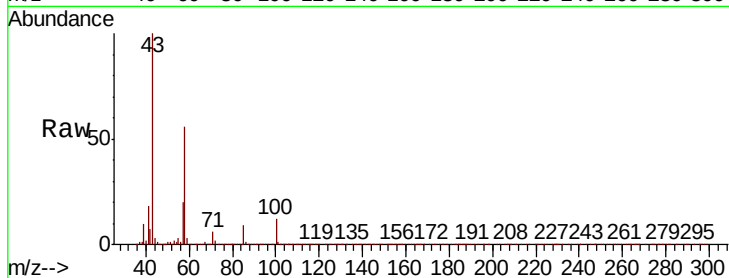
#59
2-Hexanone
Concen: 25.443 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	28.0	84.0

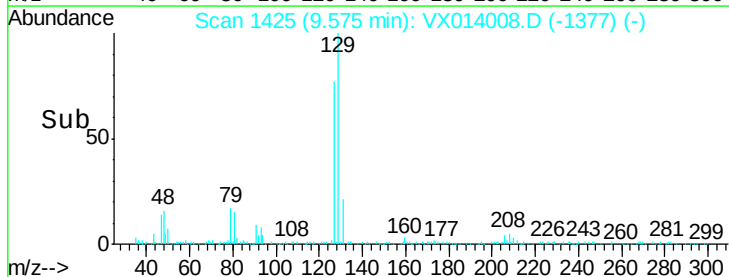
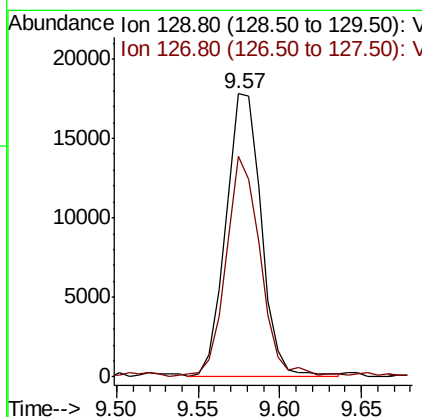
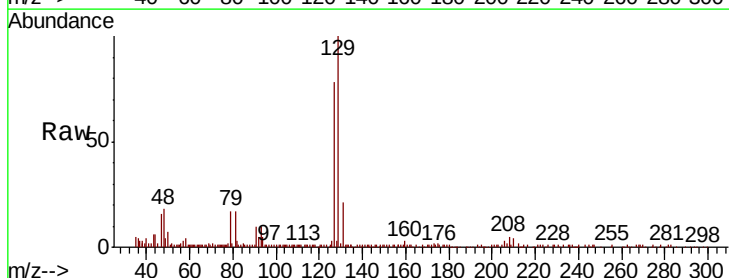
Manual Integrations
APPROVED

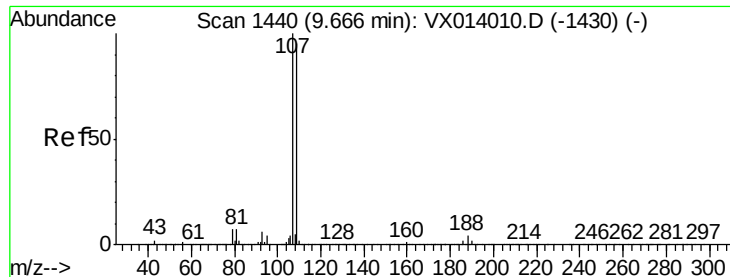
apatel
12/16/2019 12:45:57 PM



#60
Dibromochloromethane
Concen: 4.470 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.4	115.2





#61

1,2-Dibromoethane

Concen: 4.644 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 28498

Ion Ratio Lower Upper

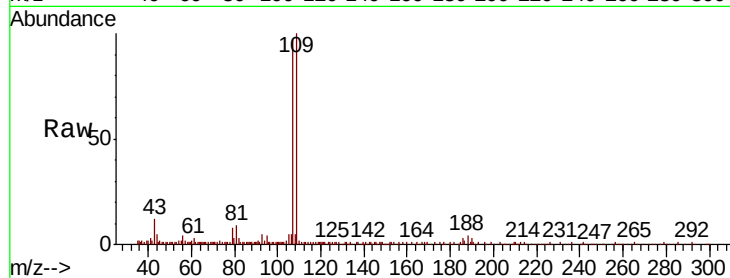
107 100

109 102.4 75.7 113.5

Manual Integrations
APPROVED

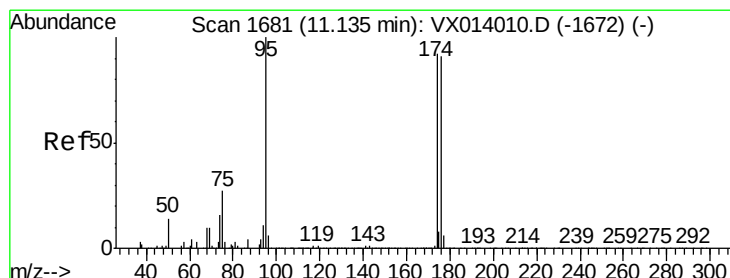
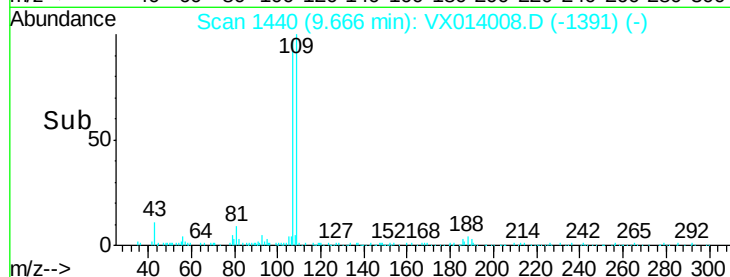
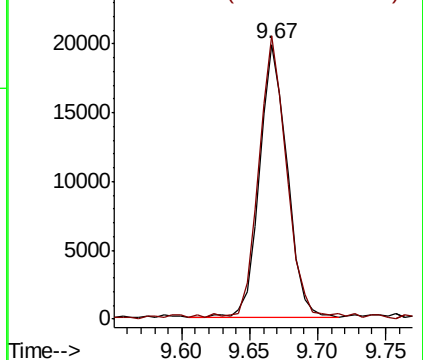
apatel

12/16/2019 12:45:57 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.956 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

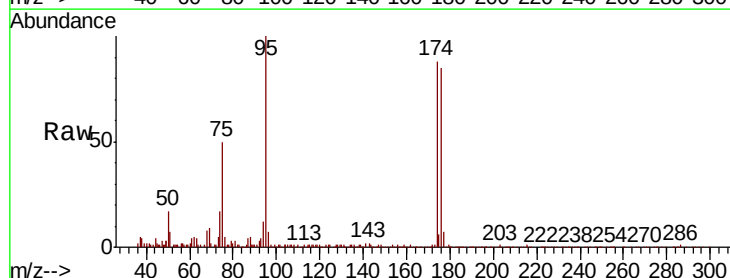
Tgt Ion: 95 Resp: 36096

Ion Ratio Lower Upper

95 100

174 88.0 0.0 175.8

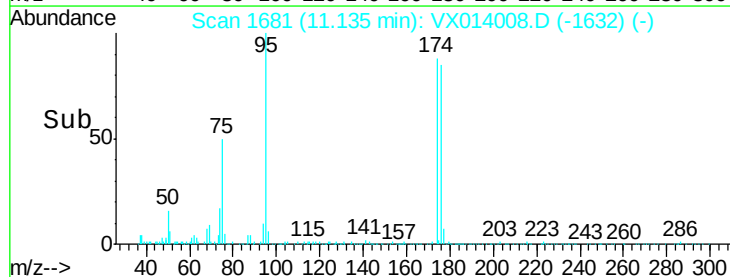
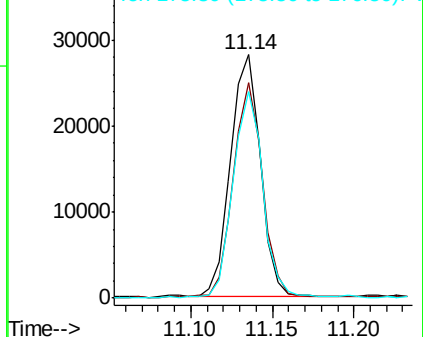
176 85.6 0.0 173.0

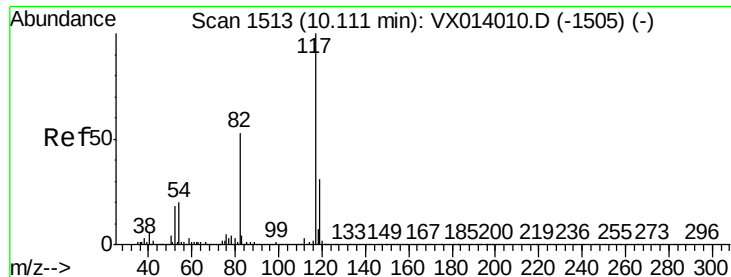


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





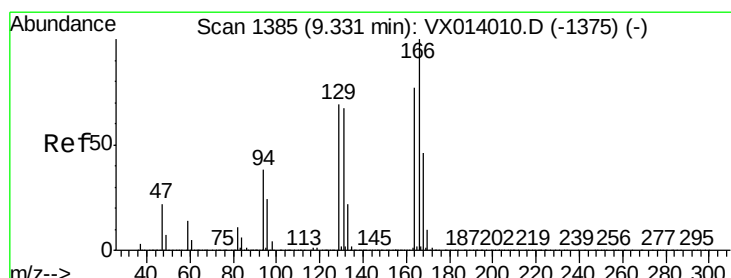
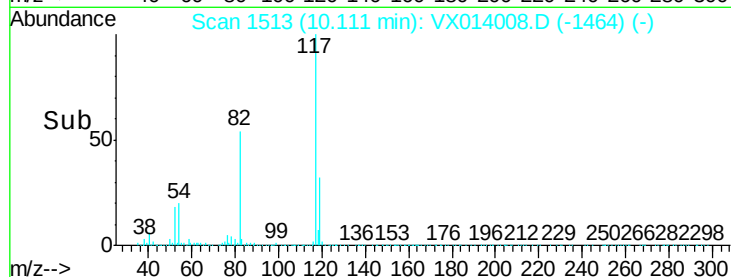
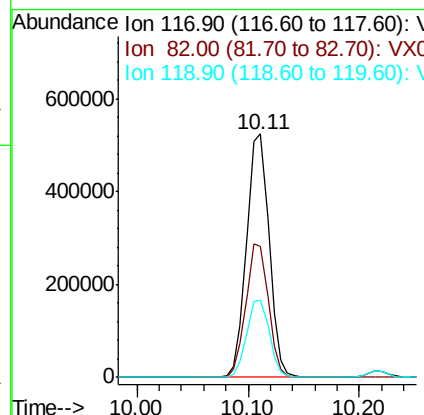
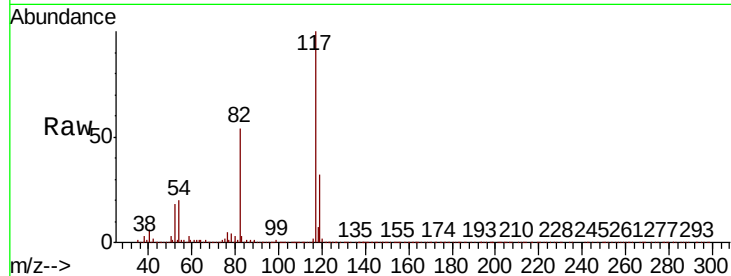
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.2	63.4
119	31.9	25.1	37.7

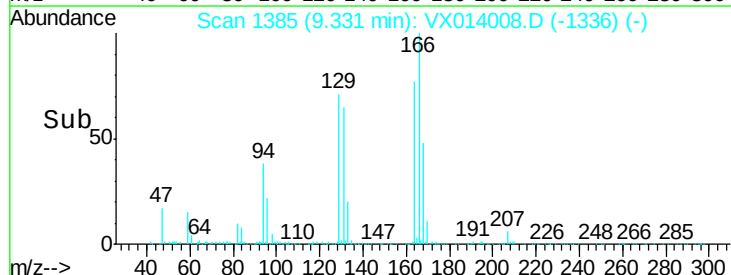
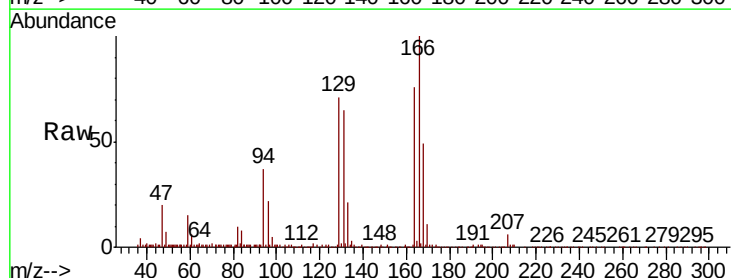
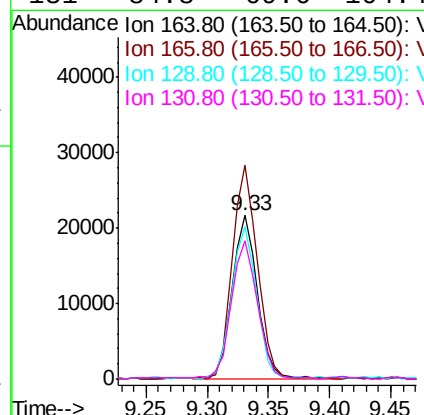
Manual Integrations
APPROVED

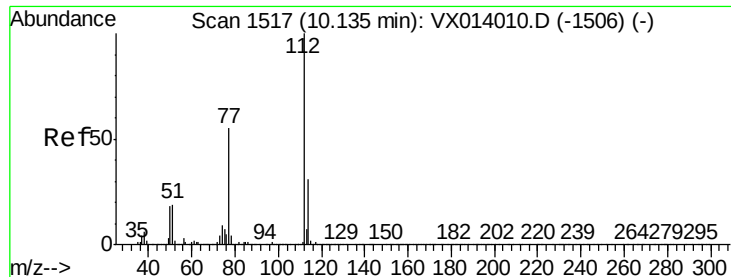
apatel
12/16/2019 12:45:57 PM



#64
Tetrachloroethene
Concen: 5.412 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	104.0	156.0
129	93.3	72.2	108.4
131	84.8	69.6	104.4





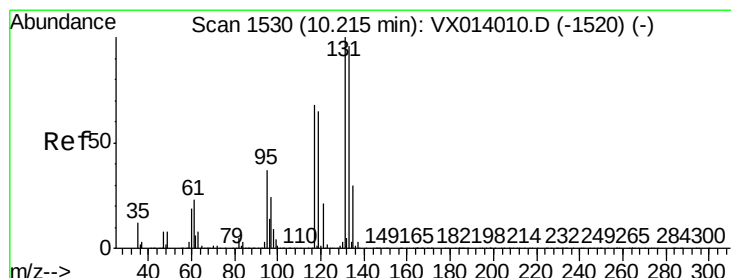
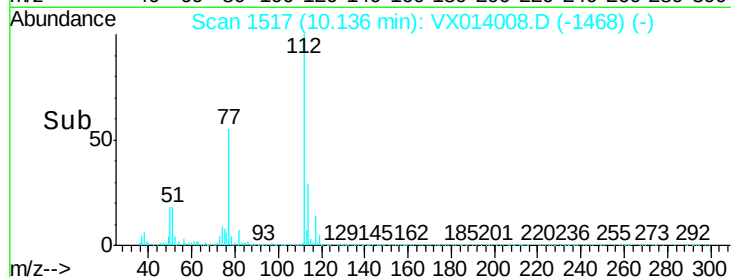
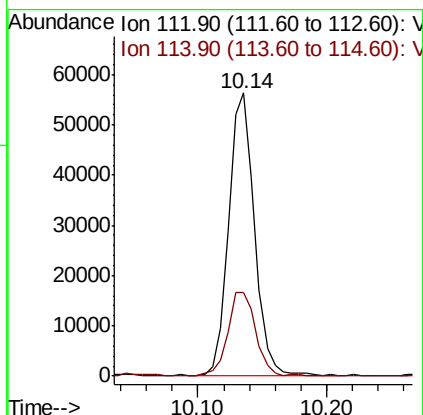
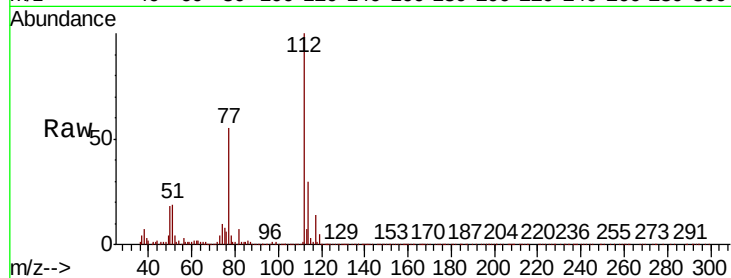
#65
Chlorobenzene
Concen: 5.128 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.4	24.9	37.3

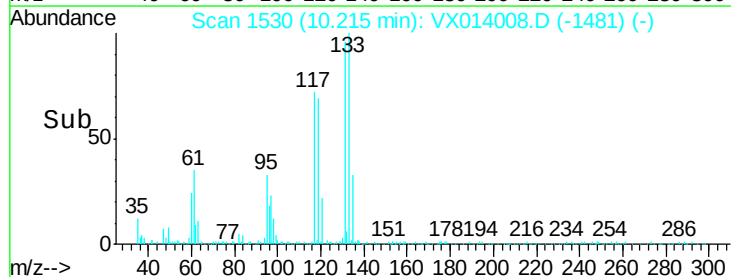
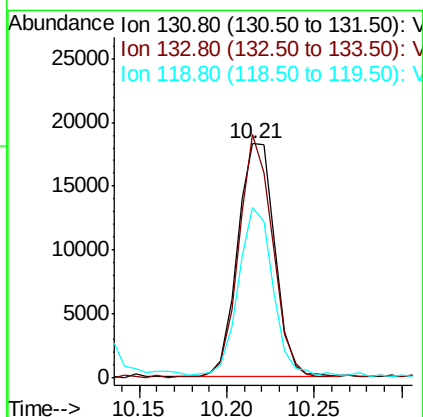
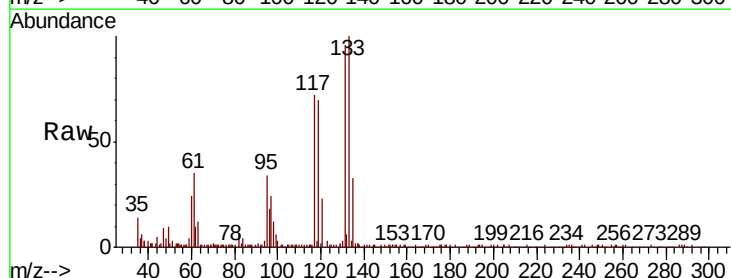
Manual Integrations
APPROVED

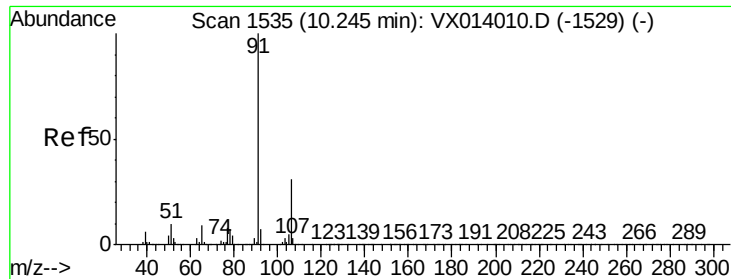
apatel
12/16/2019 12:45:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.854 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	48.0	144.0
119	66.7	33.4	100.2





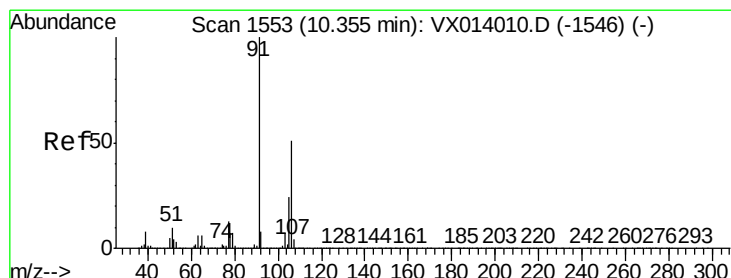
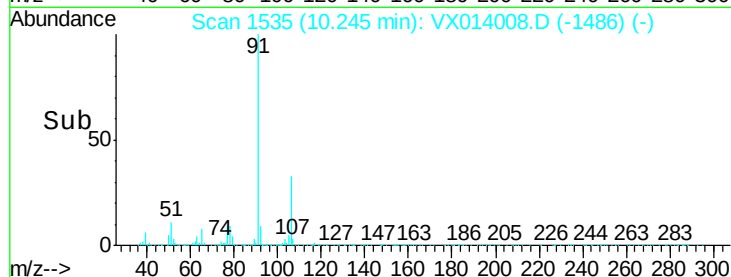
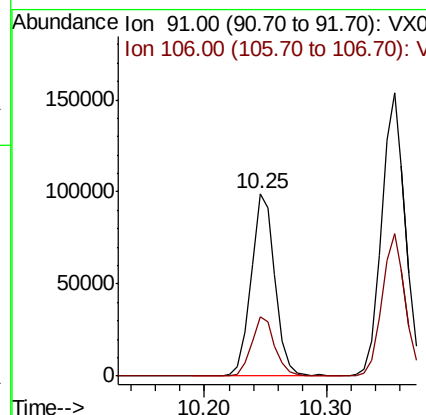
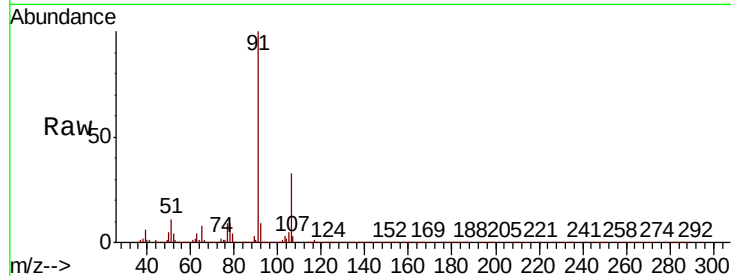
#67
Ethyl Benzene
Concen: 5.024 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 133408
Ion Ratio Lower Upper
91 100
106 32.8 25.0 37.6

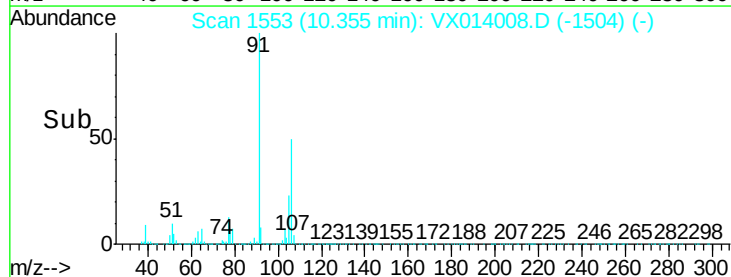
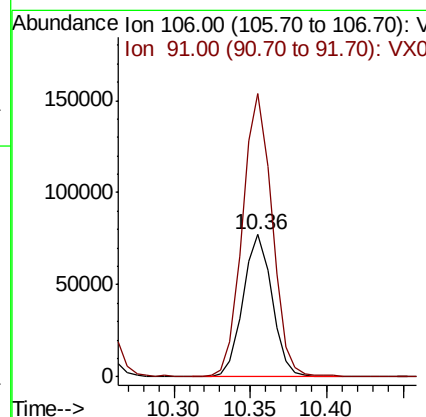
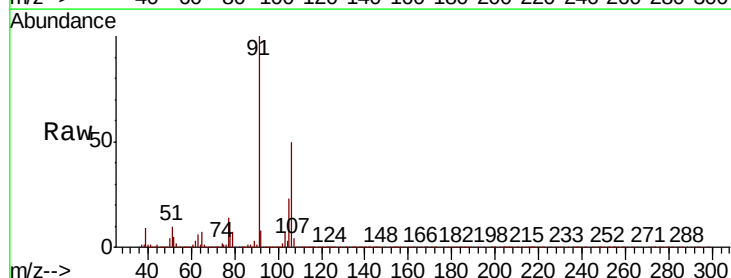
Manual Integrations
APPROVED

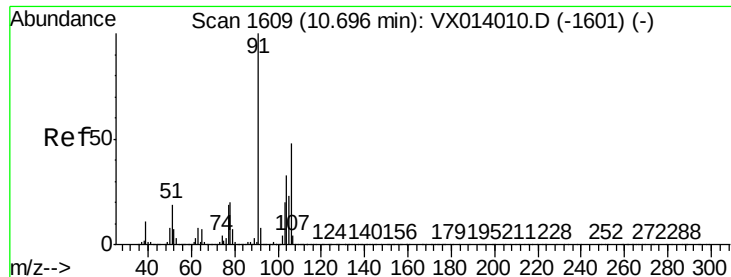
apatel
12/16/2019 12:45:57 PM



#68
m/p-Xylenes
Concen: 10.088 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion: 106 Resp: 102703
Ion Ratio Lower Upper
106 100
91 200.9 158.6 238.0





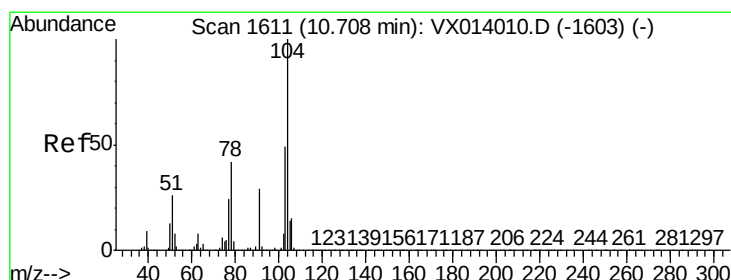
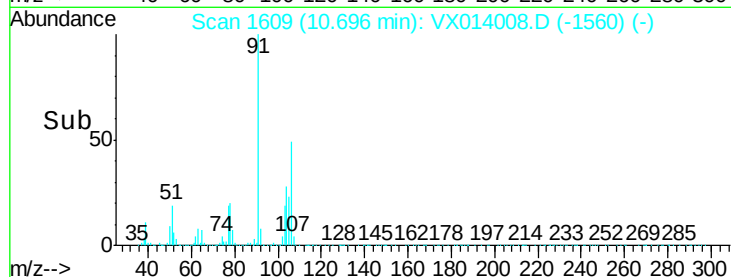
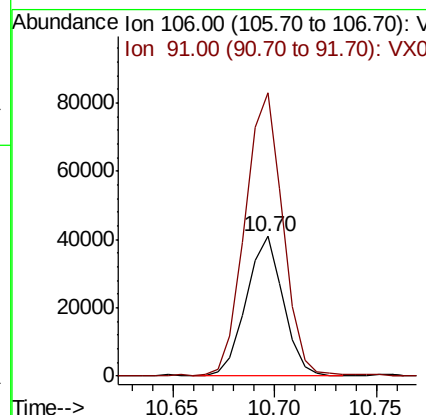
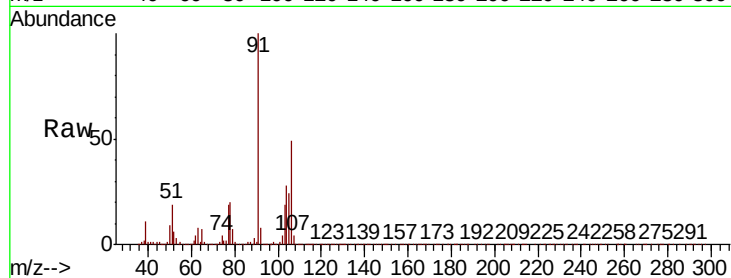
#69
o-Xylene
Concen: 5.141 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	104.2	312.6

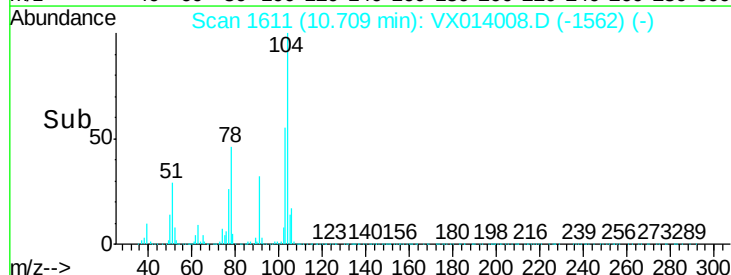
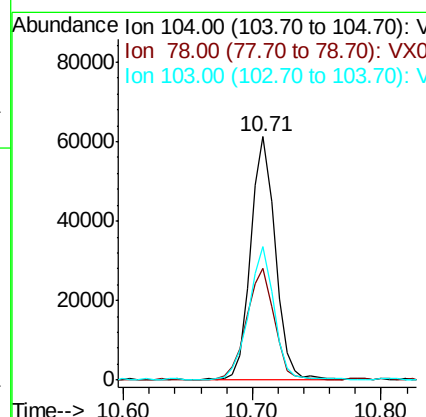
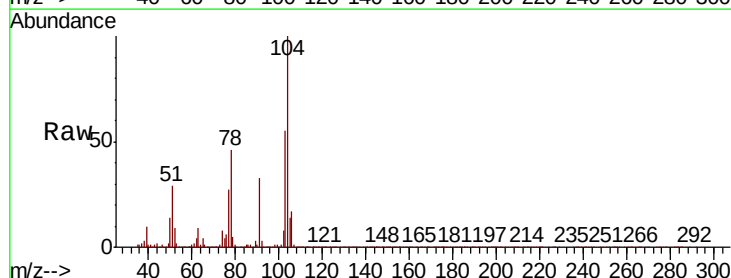
Manual Integrations
APPROVED

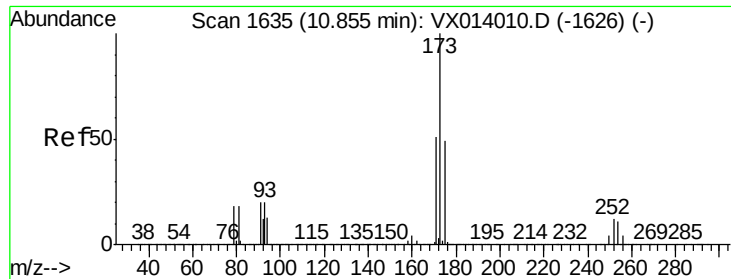
apatel
12/16/2019 12:45:57 PM



#70
Styrene
Concen: 4.760 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.5	38.5	57.7
103	57.1	42.9	64.3





#71

Bromoform

Concen: 4.212 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

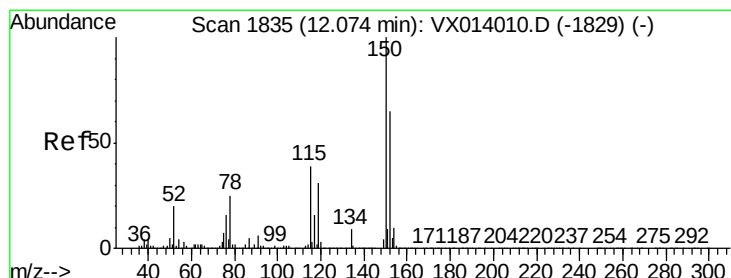
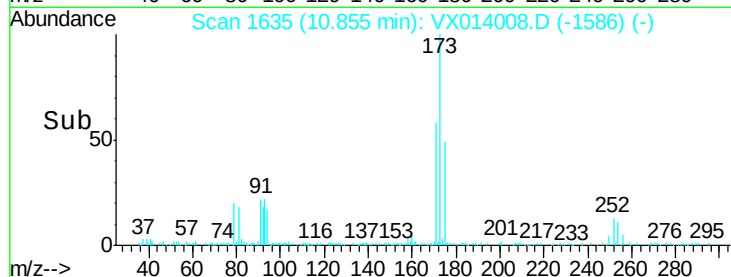
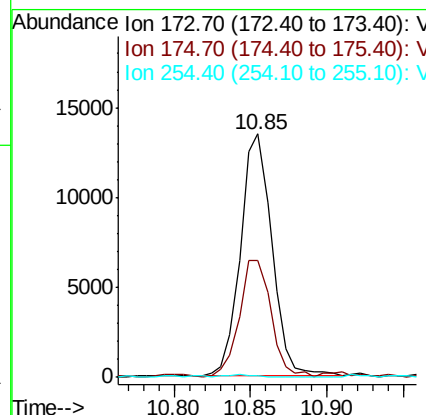
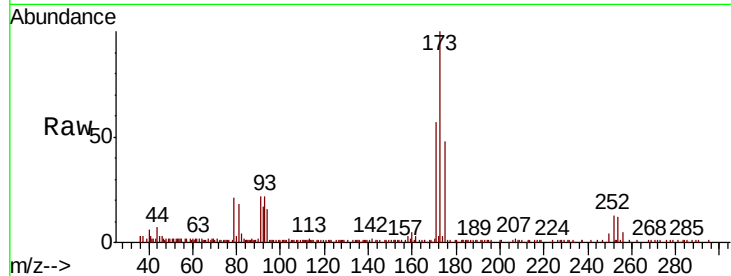
ClientSampleId :

VSTDIC005

Tot Ion:	173	Resp:	19246
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.4	73.4
254	1.0	0.2	0.2#

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

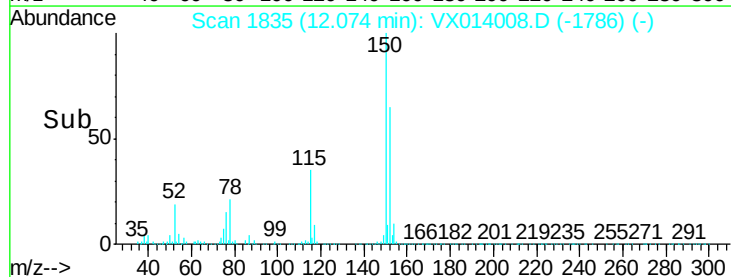
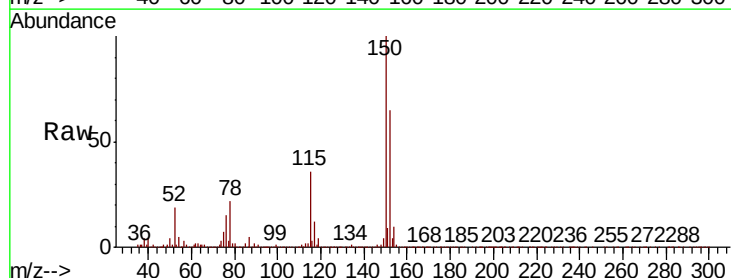
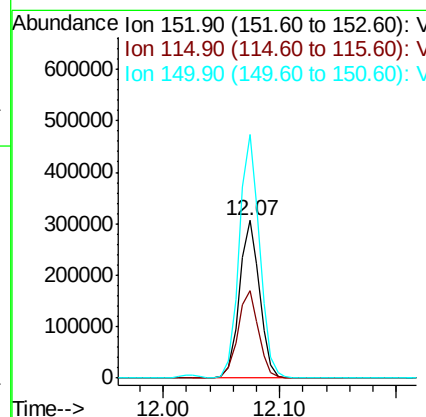
RT: 12.07 min Scan# 1835

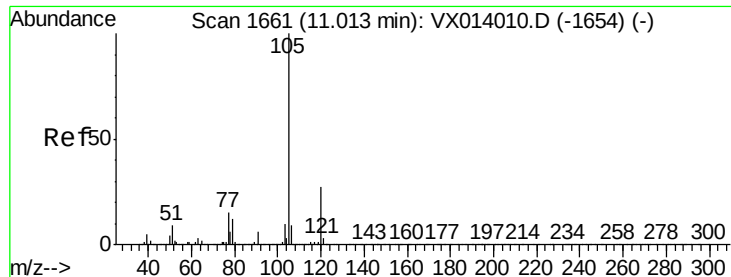
Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	152	Resp:	367559
Ion Ratio	Lower	Upper	
152	100		
115	56.9	38.3	114.9
150	157.0	0.0	345.4





#73

Isopropylbenzene

Concen: 5.092 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 131468

Ion Ratio Lower Upper

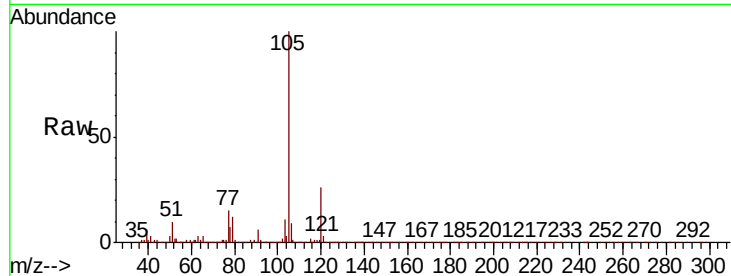
105 100

120 26.3 13.5 40.4

Manual Integrations
APPROVED

apatel

12/16/2019 12:45:57 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

20000

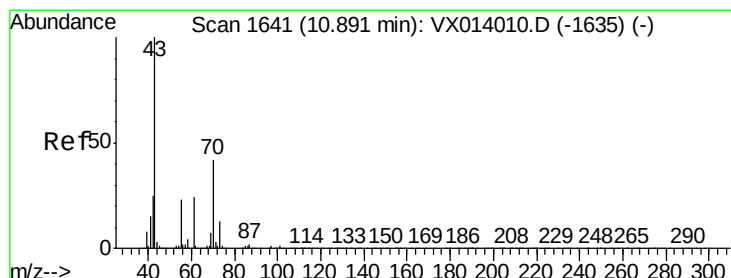
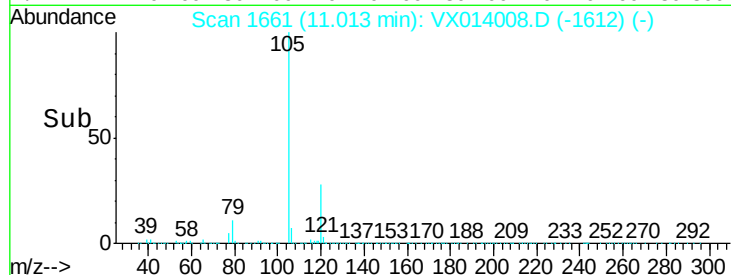
0

11.01

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 4.920 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion: 43 Resp: 58191

Ion Ratio Lower Upper

43 100

70 43.5 34.4 51.6

55 23.8 19.1 28.7

61 23.8 19.7 29.5

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

60000

40000

20000

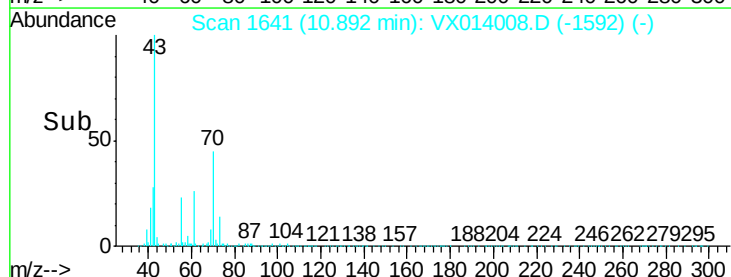
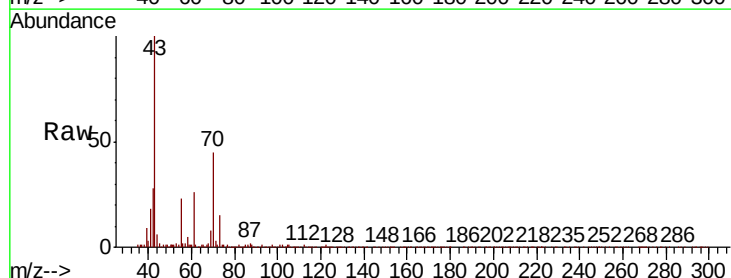
0

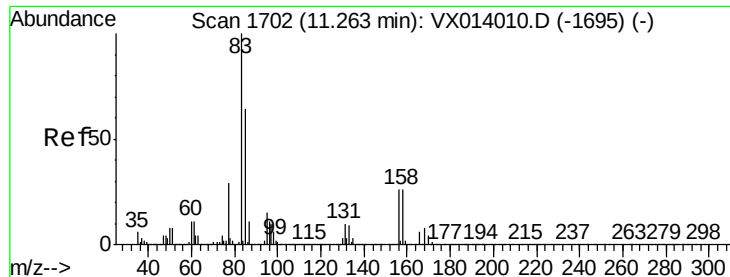
10.89

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.175 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

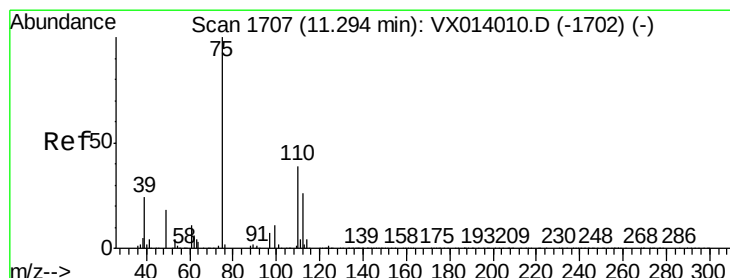
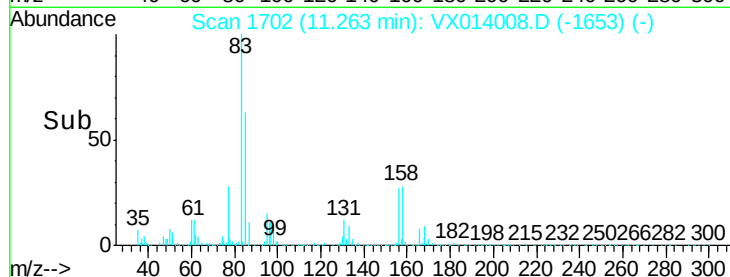
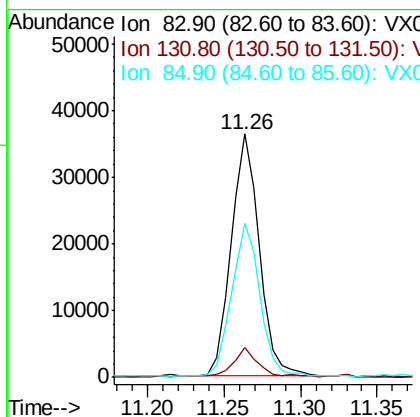
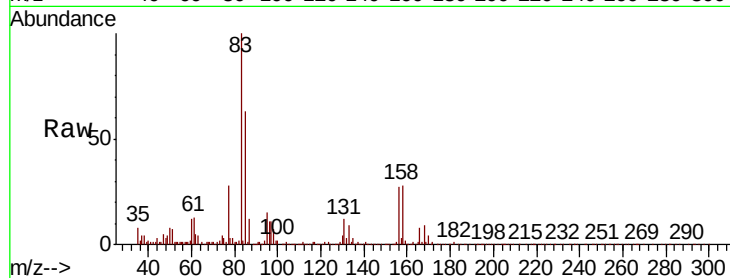
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	46256
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.2
85	64.6	31.9	95.7

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#76

1,2,3-Trichloropropane

Concen: 5.030 ug/l m

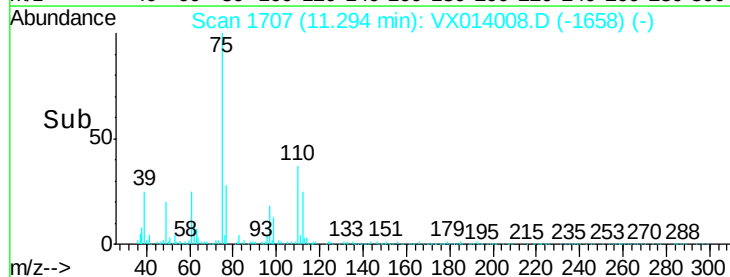
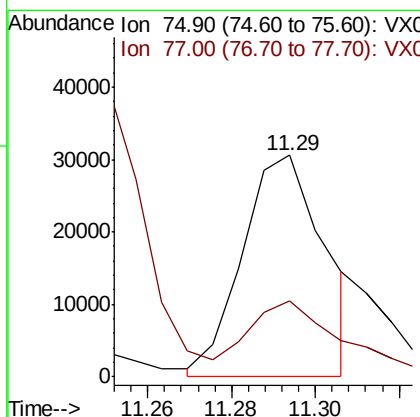
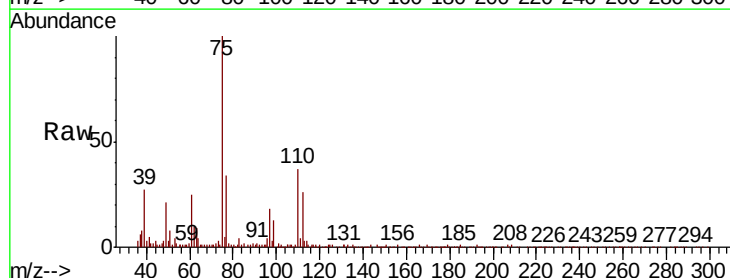
RT: 11.29 min Scan# 1707

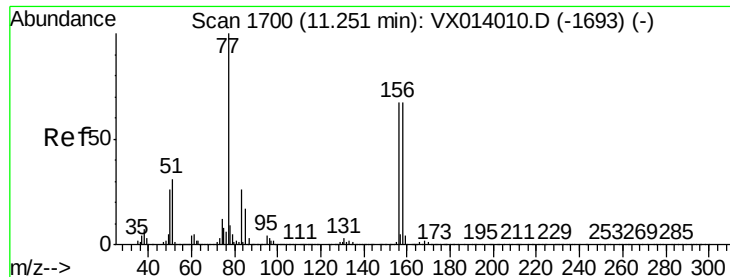
Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	75	Resp:	41405
Ion Ratio	Lower	Upper	
75	100		
77	38.6	19.3	57.8





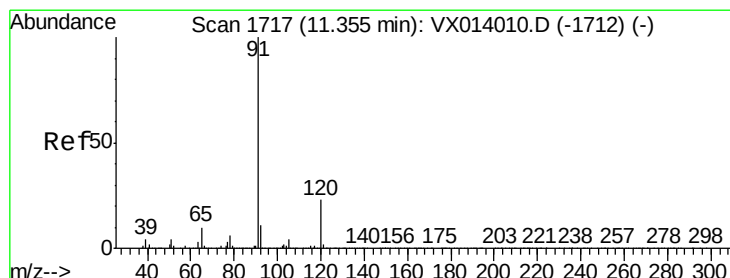
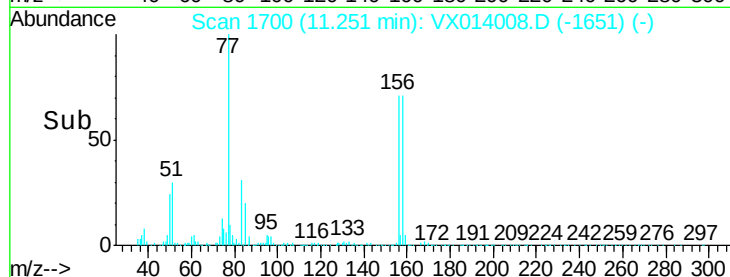
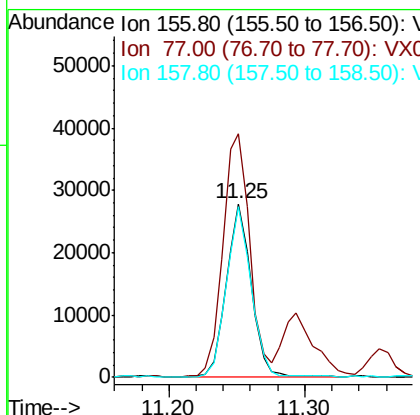
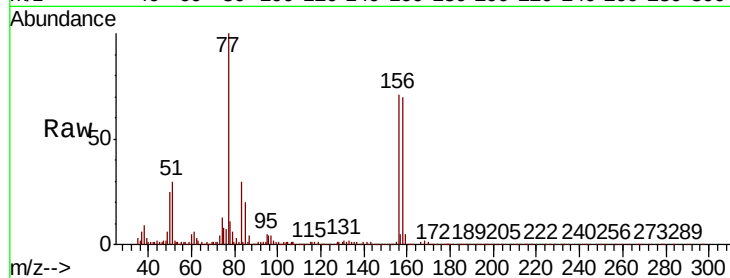
#77
Bromobenzene
Concen: 5.076 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.3	76.5	229.5
158	97.7	49.3	147.9

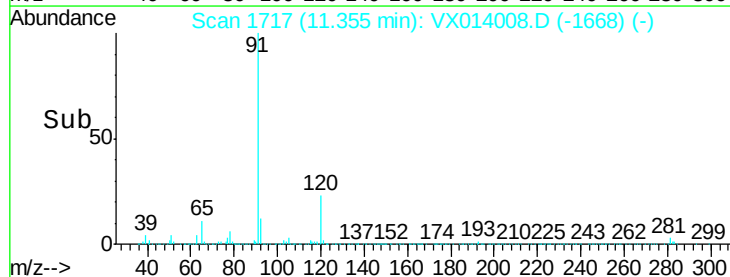
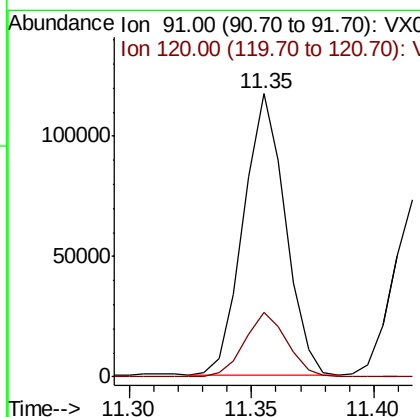
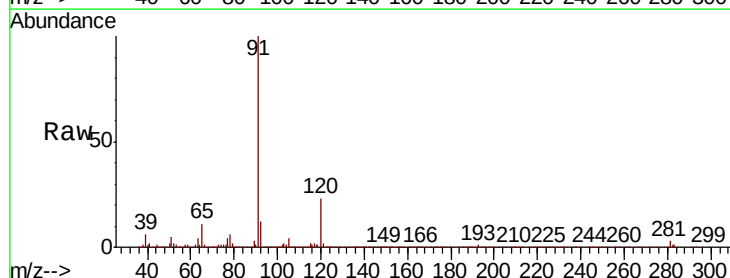
Manual Integrations
APPROVED

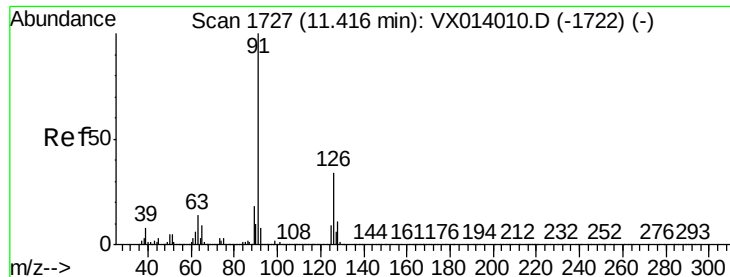
apatel
12/16/2019 12:45:57 PM



#78
n-propylbenzene
Concen: 4.813 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.7	35.0





#79

2-Chlorotoluene

Concen: 5.026 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 87285

Ion Ratio Lower Upper

91 100

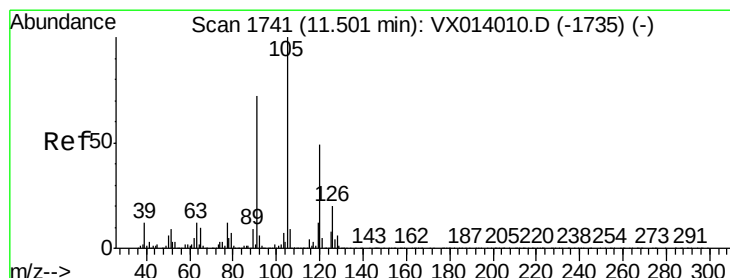
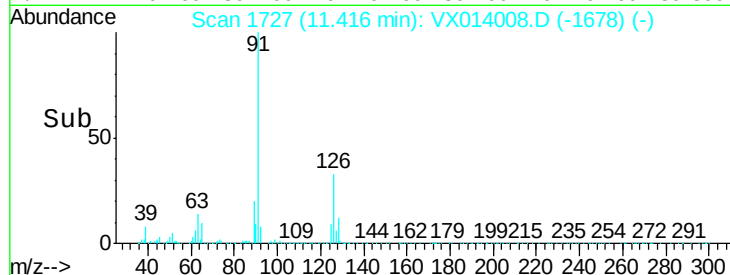
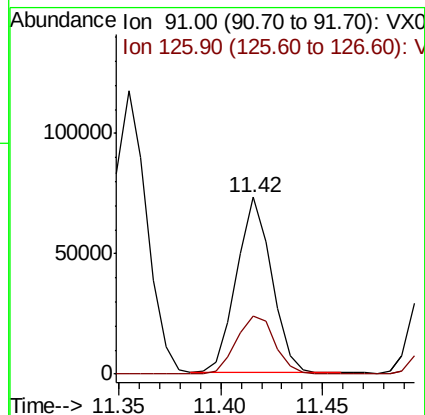
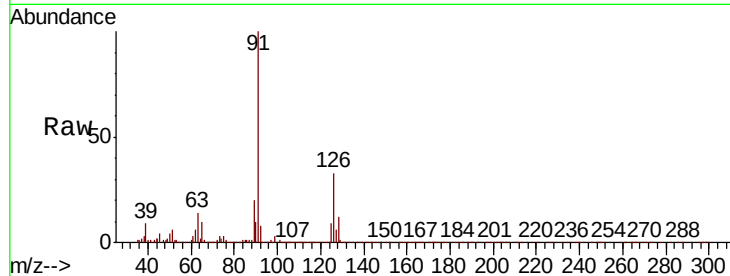
126 36.2 17.2 51.6

Manual Integrations

APPROVED

apatel

12/16/2019 12:45:57 PM



#80

1,3,5-Trimethylbenzene

Concen: 5.069 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014008.D

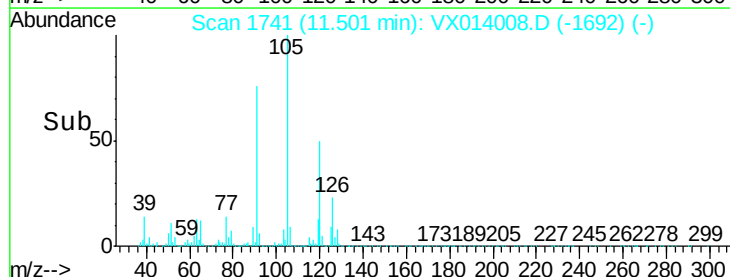
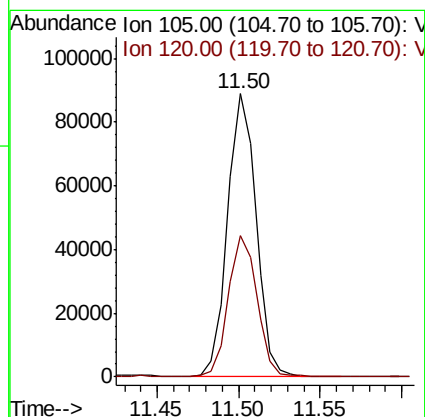
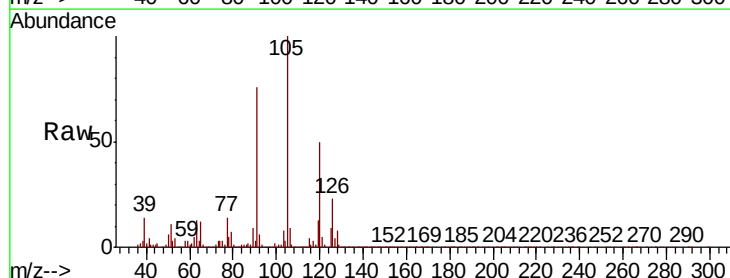
Acq: 13 Dec 2019 15:12

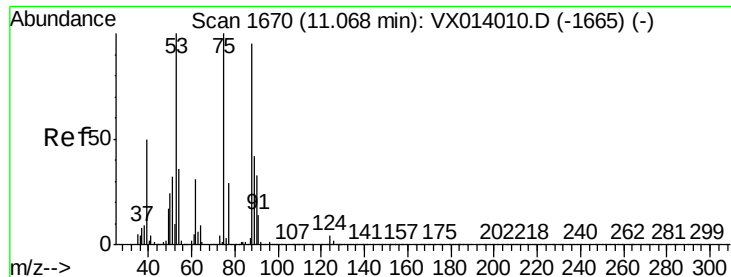
Tgt Ion: 105 Resp: 107560

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.743 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

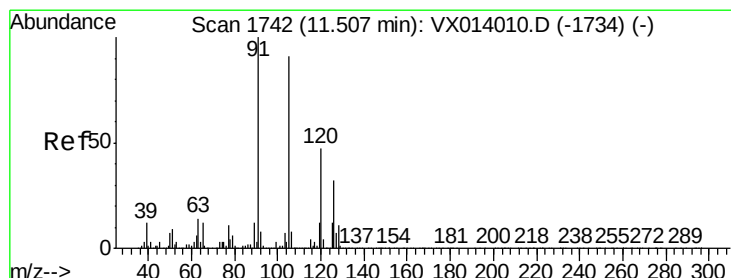
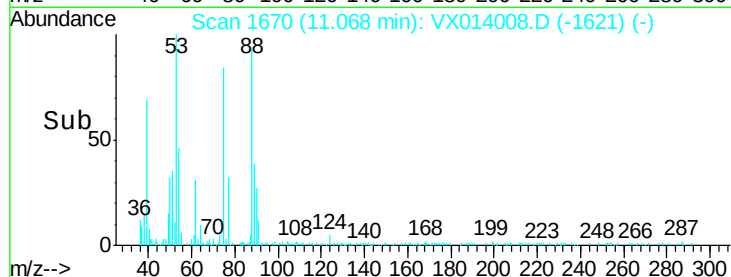
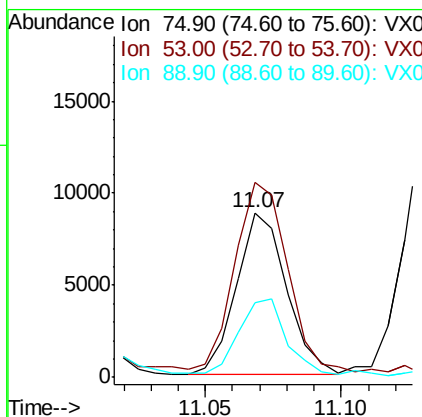
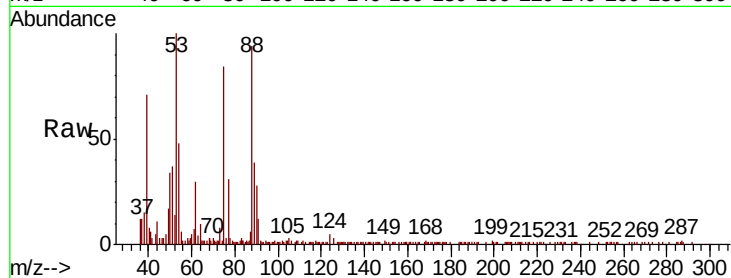
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	11240
Ion Ratio	Lower	Upper	
75	100		
53	123.9	76.7	115.1#
89	43.0	34.6	51.8

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#82

4-Chlorotoluene

Concen: 4.999 ug/l

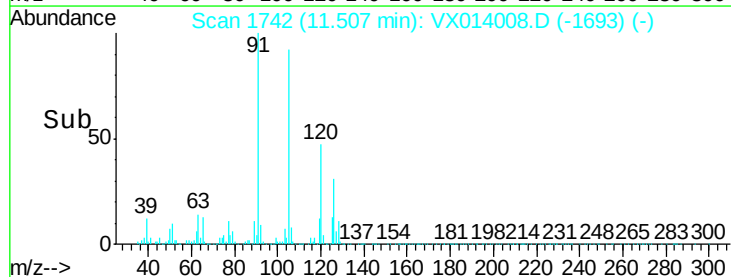
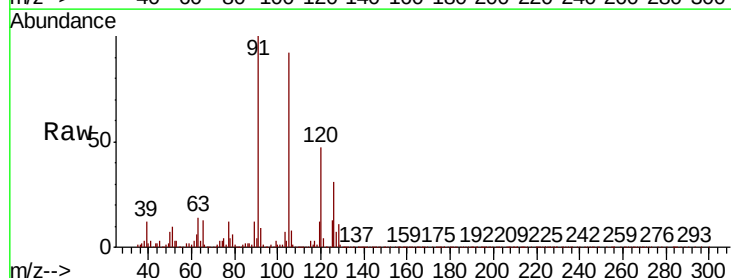
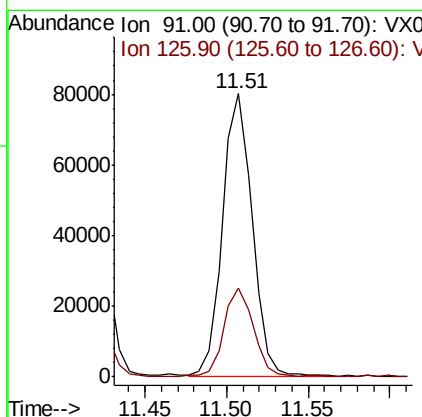
RT: 11.51 min Scan# 1742

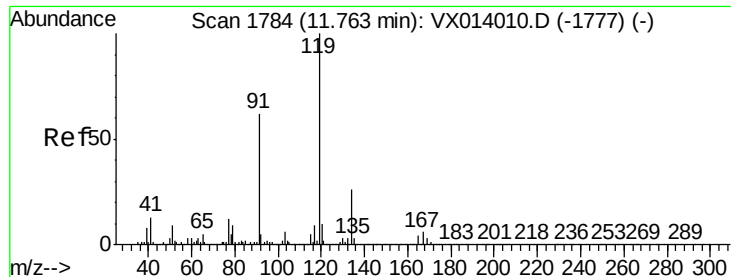
Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	91	Resp:	100237
Ion Ratio	Lower	Upper	
91	100		
126	30.9	15.6	46.8





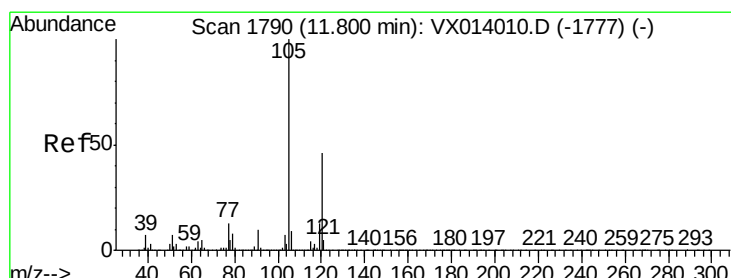
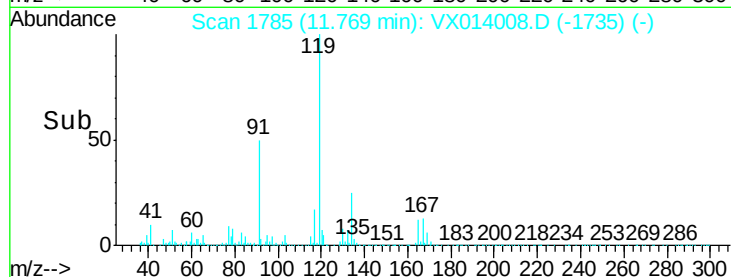
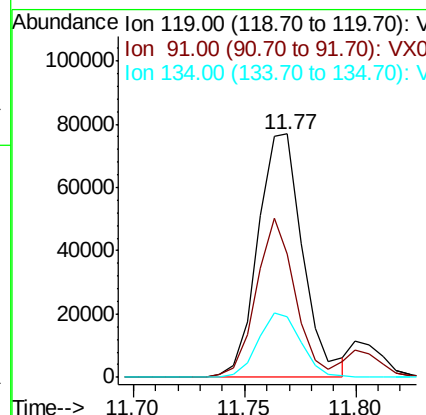
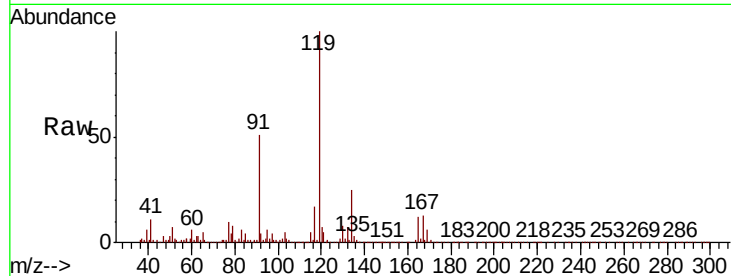
#83
tert-Butylbenzene
Concen: 5.033 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.1	28.5	85.6
134	25.4	12.2	36.6

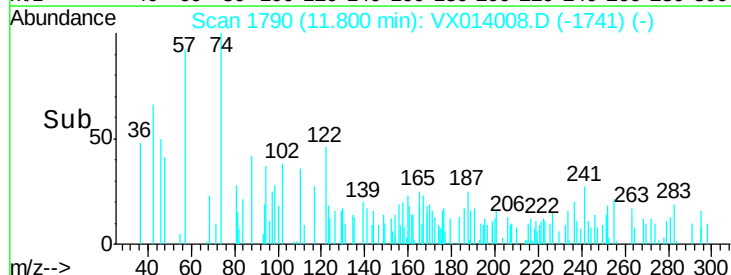
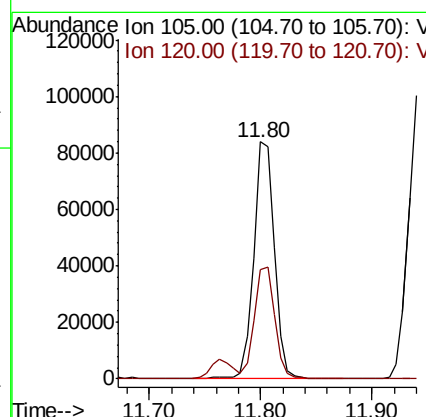
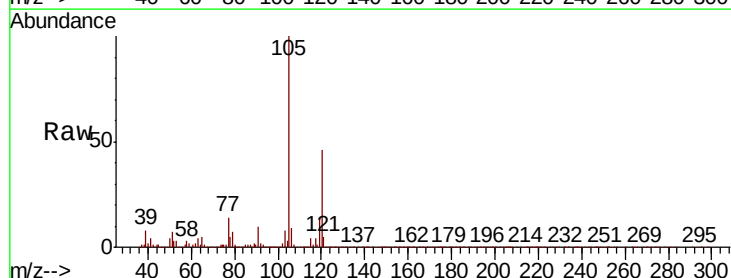
Manual Integrations
APPROVED

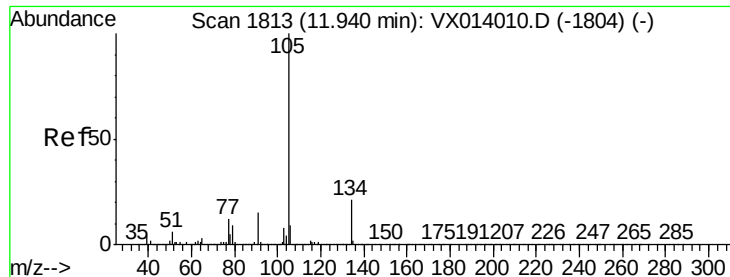
apatel
12/16/2019 12:45:57 PM



#84
1,2,4-Trimethylbenzene
Concen: 5.001 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2





#85

sec-Butylbenzene

Concen: 4.950 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 121785

Ion Ratio Lower Upper

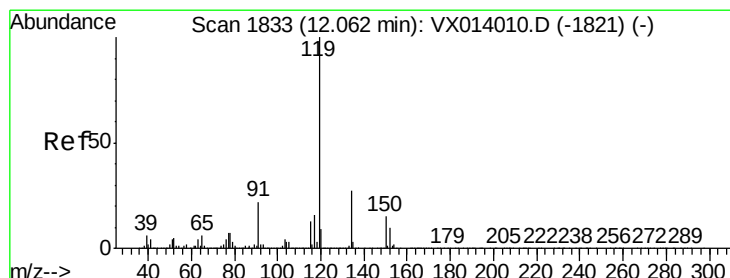
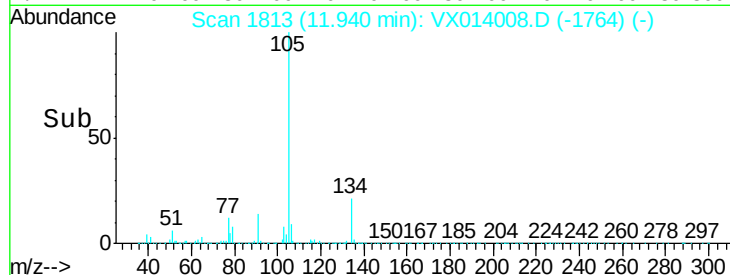
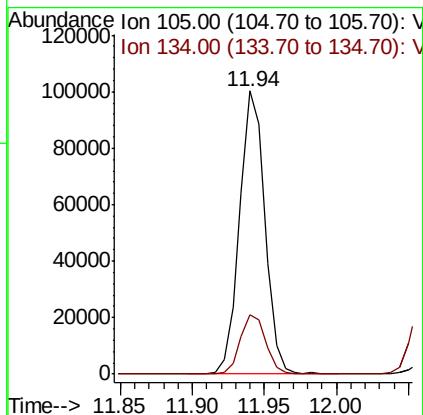
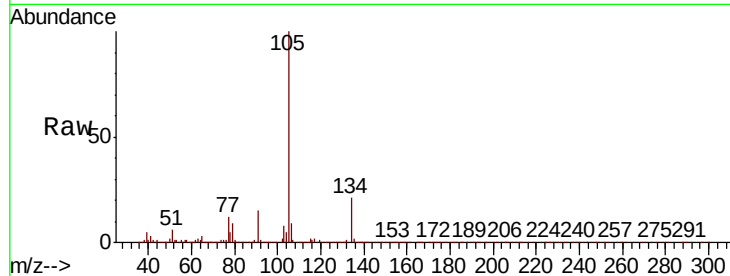
105 100

134 21.4 10.4 31.1

Manual Integrations
APPROVED

apatel

12/16/2019 12:45:57 PM



#86

p-Isopropyltoluene

Concen: 4.916 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

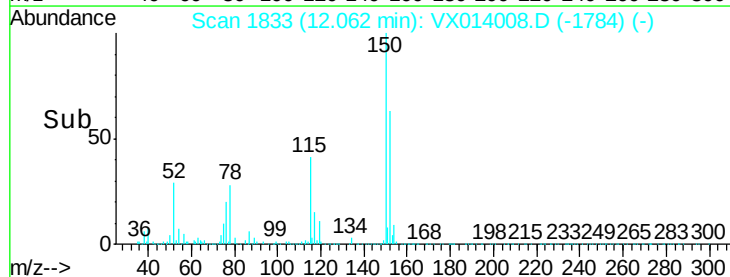
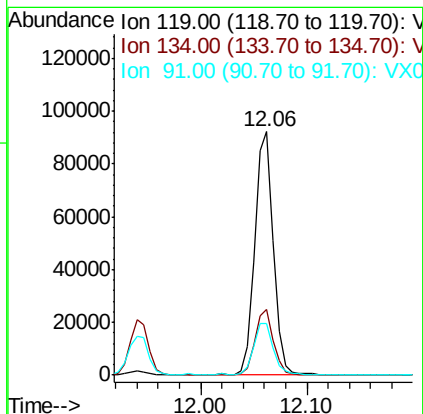
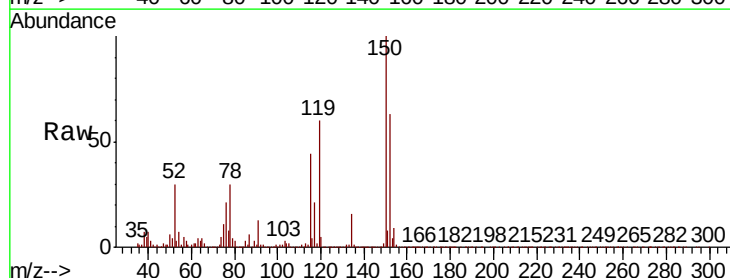
Tgt Ion:119 Resp: 112360

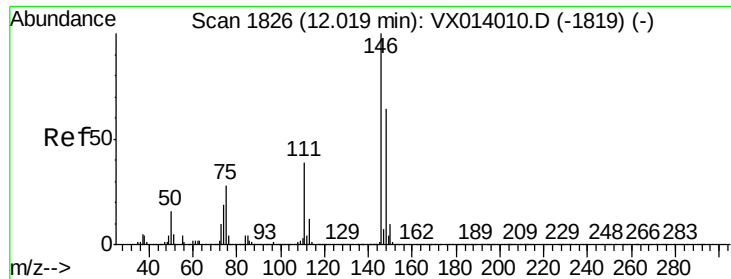
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.2 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 5.022 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014008.D

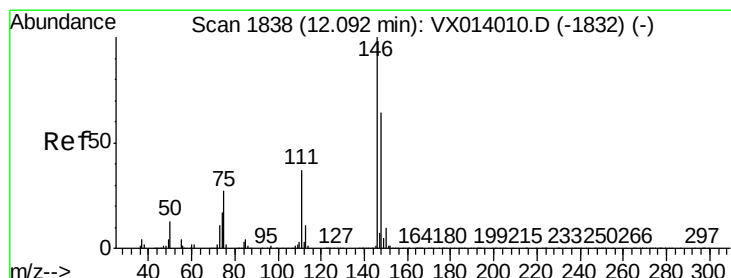
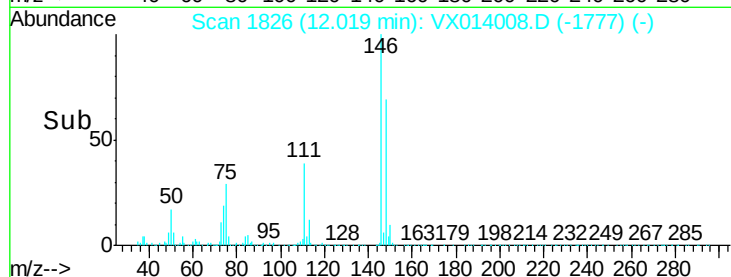
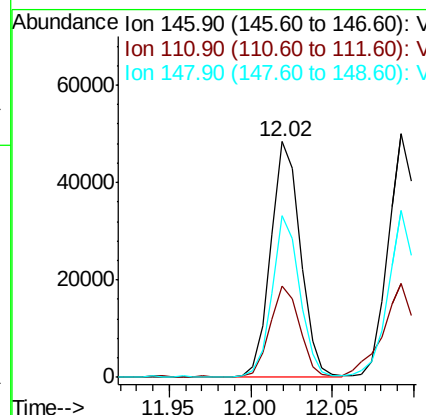
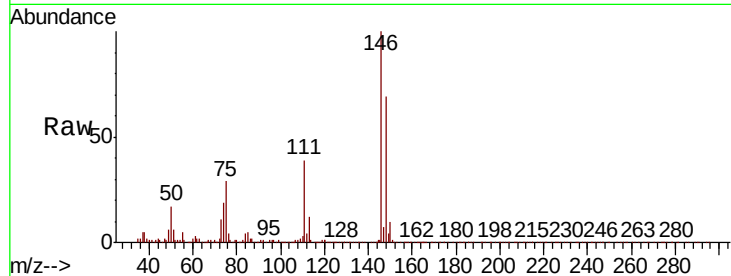
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	64.2	32.3	96.9

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#88

1,4-Dichlorobenzene

Concen: 5.035 ug/l

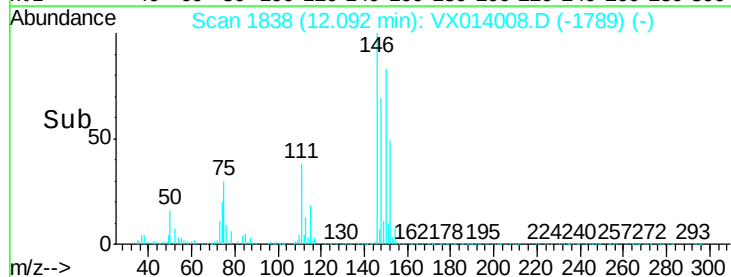
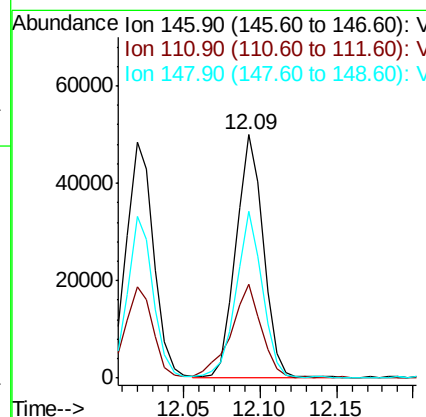
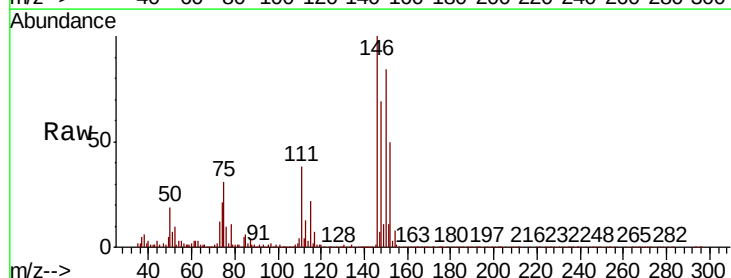
RT: 12.09 min Scan# 1838

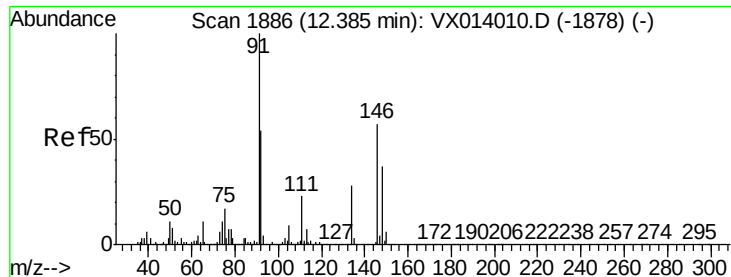
Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.7	56.1
148	65.8	31.9	95.9





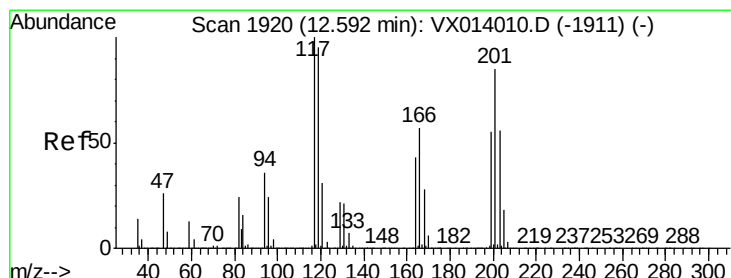
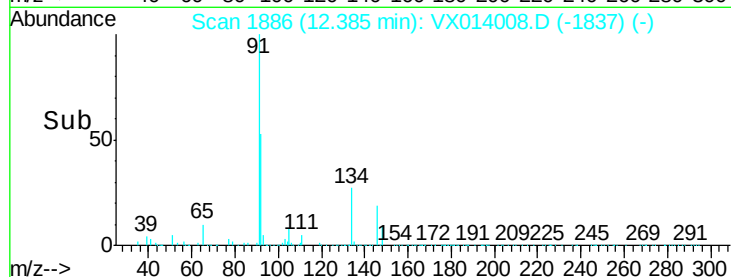
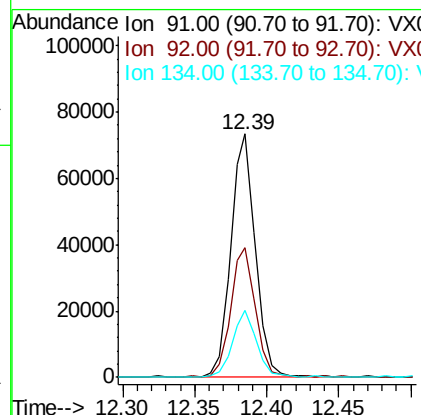
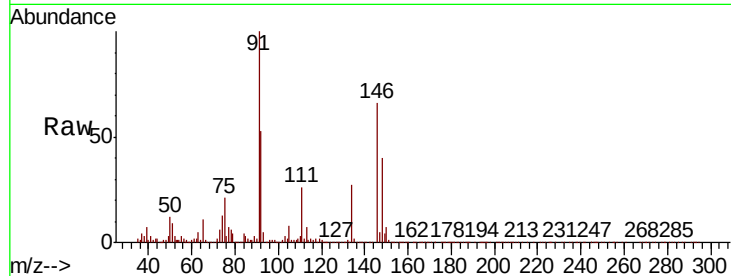
#89
n-Butylbenzene
Concen: 4.490 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.2	81.6
134	26.6	13.4	40.1

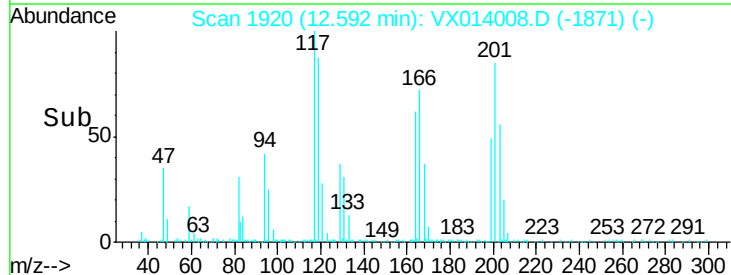
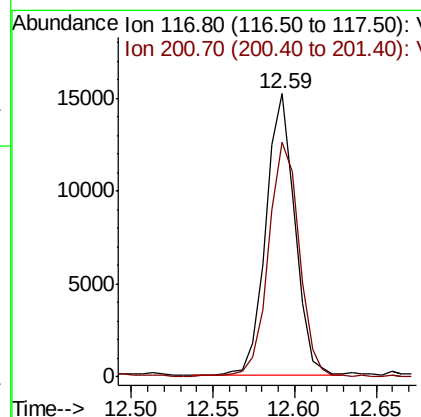
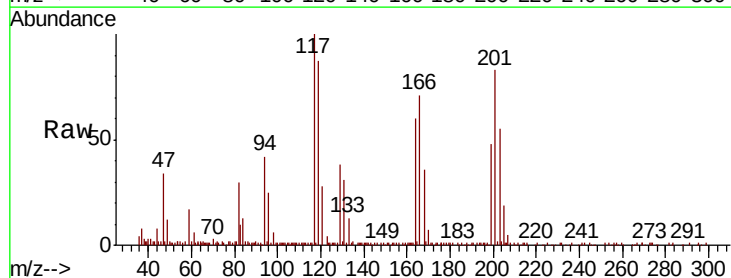
Manual Integrations
APPROVED

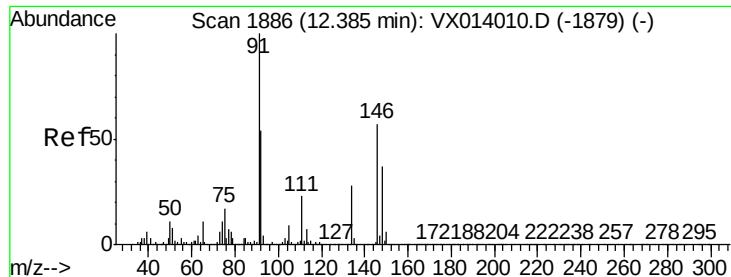
apatel
12/16/2019 12:45:57 PM



#90
Hexachloroethane
Concen: 4.485 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.0	43.1	129.3





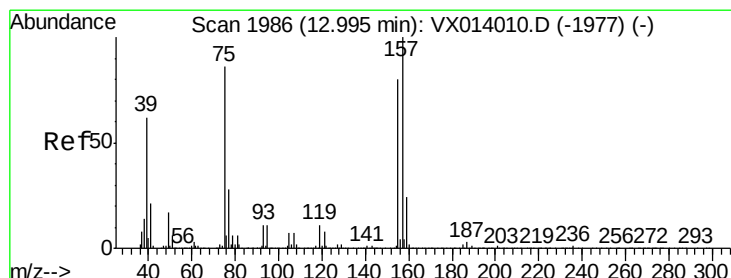
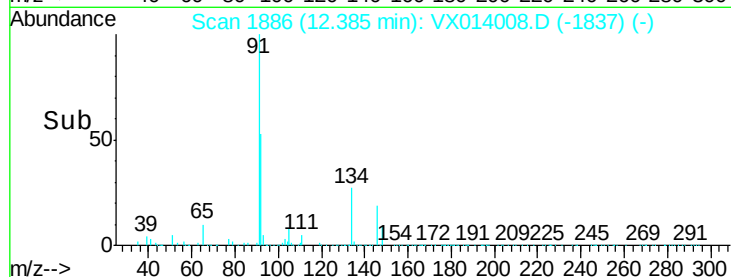
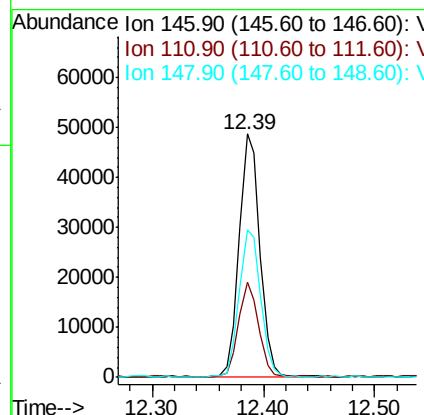
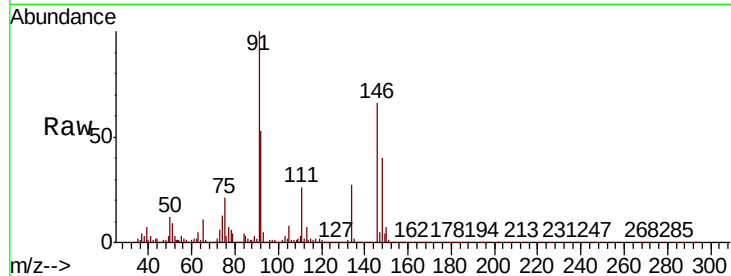
#91
 1,2-Dichlorobenzene
 Concen: 5.270 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.1
148	62.9	32.1	96.5

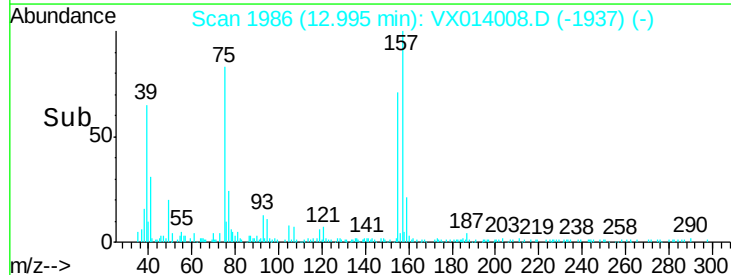
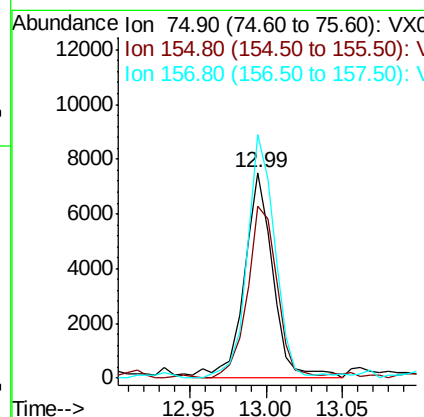
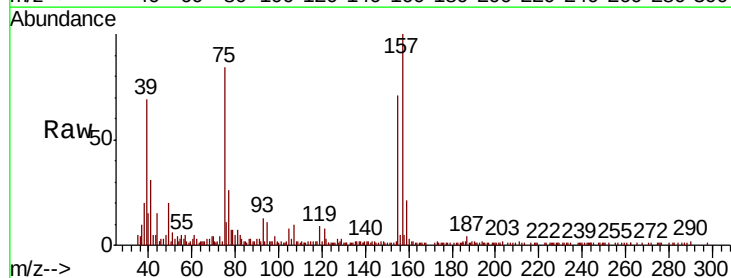
Manual Integrations
 APPROVED

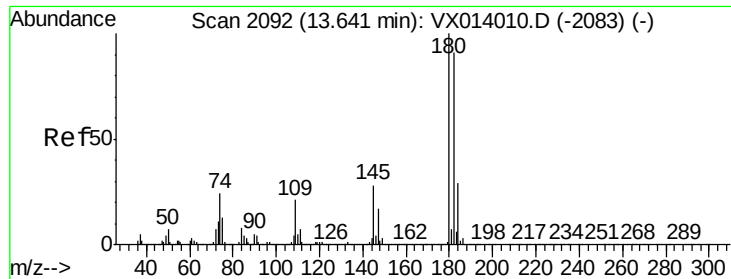
apatel
 12/16/2019 12:45:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.056 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	46.9	140.6
157	114.8	60.8	182.4





#93

1,2,4-Trichlorobenzene

Concen: 4.408 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Instrument :

MSVOA_X

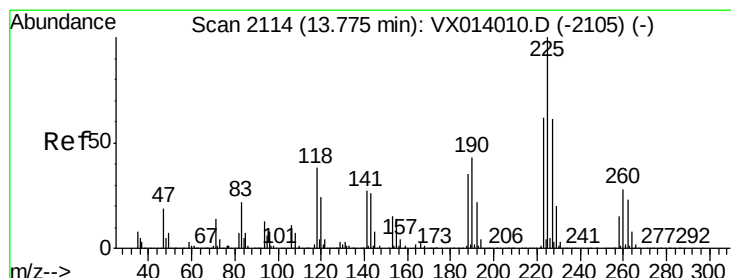
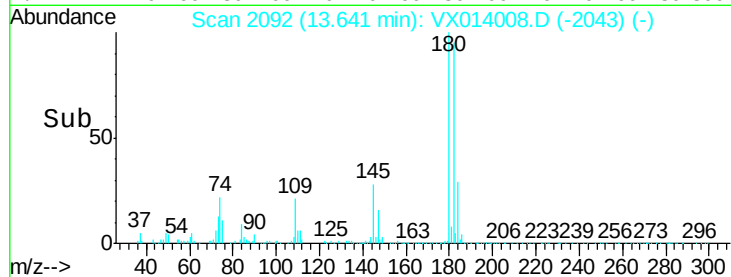
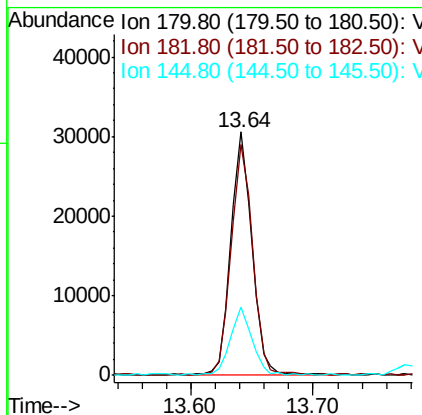
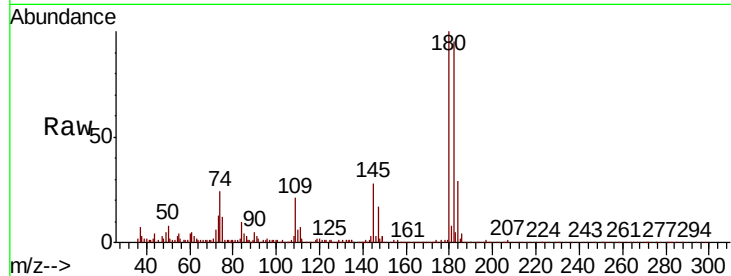
ClientSampleId :

VSTDIC005

Tot Ion:	180	Resp:	36670
Ion Ratio	Lower	Upper	
180	100		
182	96.8	46.6	139.8
145	28.6	14.2	42.6

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#94

Hexachlorobutadiene

Concen: 4.507 ug/l

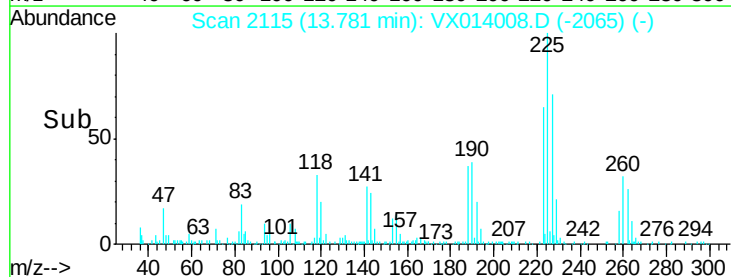
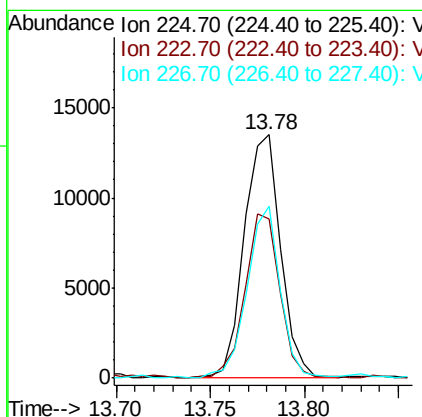
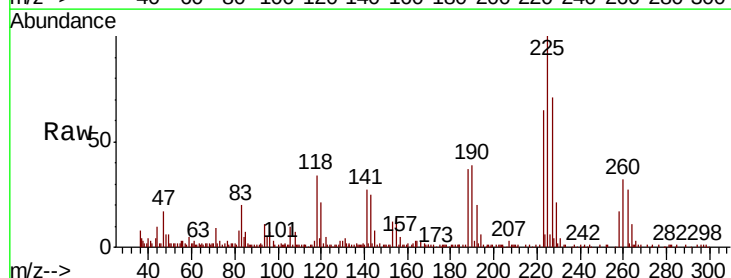
RT: 13.78 min Scan# 2115

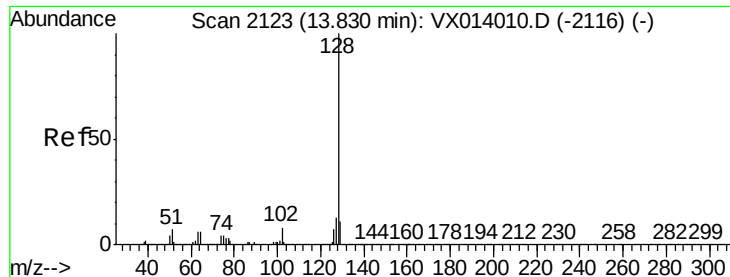
Delta R.T. 0.01 min

Lab File: VX014008.D

Acq: 13 Dec 2019 15:12

Tgt Ion:	225	Resp:	18145
Ion Ratio	Lower	Upper	
225	100		
223	64.8	30.9	92.5
227	64.7	30.9	92.7





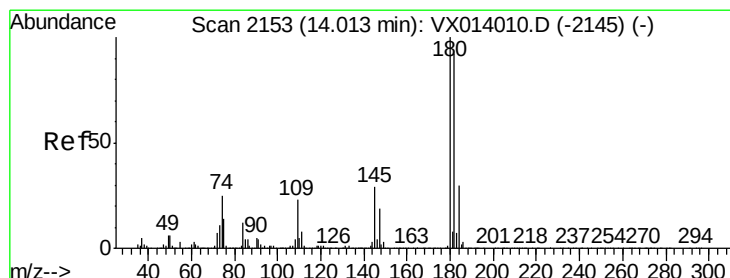
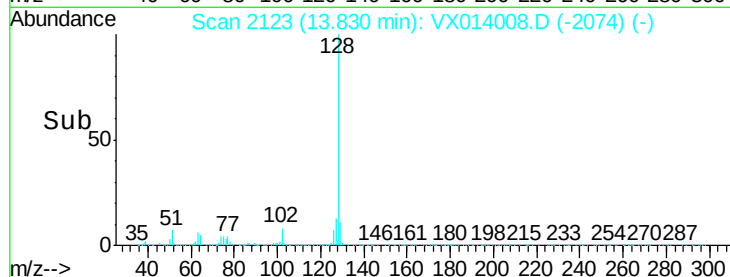
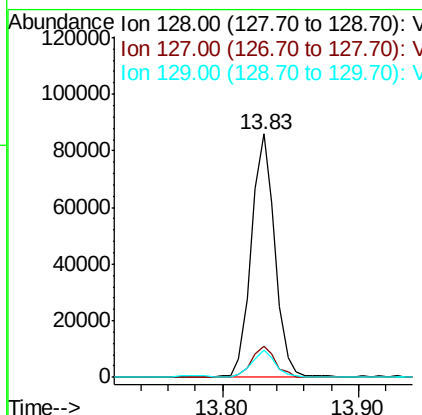
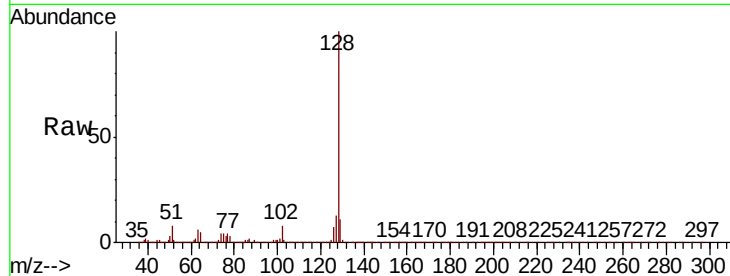
#95
Naphthalene
Concen: 4.239 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.3	8.7	13.1

Manual Integrations
APPROVED

apatel
12/16/2019 12:45:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.492 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.8	140.3
145	30.9	14.8	44.4

