

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120319\
 Data File : VX013732.D
 Acq On : 03 Dec 2019 18:08
 Operator : JC/SP
 Sample : K5984-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Manual Integrations
 APPROVED

apatel
 12/4/2019 1:52:25 PM

Quant Time: Dec 04 02:51:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	642093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	992677	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	902172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	442284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	359616	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	5.49	113	297165	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	8.71	98	1147196	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.14	95	404725	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	346663	48.506	ug/l	98
3) Chloromethane	1.32	50	367118	45.780	ug/l	99
4) Vinyl Chloride	1.40	62	441654	48.932	ug/l	98
5) Bromomethane	1.63	94	194608	32.105	ug/l	99
6) Chloroethane	1.71	64	246542	48.001	ug/l	96
7) Trichlorofluoromethane	1.92	101	473925	47.287	ug/l	100
8) Diethyl Ether	2.18	74	224795	49.577	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	290980	47.532	ug/l	99
10) Methyl Iodide	2.50	142	246371	33.269	ug/l	99
11) Tert butyl alcohol	3.03	59	395548	215.007	ug/l	99
12) 1,1-Dichloroethene	2.36	96	292219	47.822	ug/l	99
13) Acrolein	2.28	56	262730	214.418	ug/l	98
14) Allyl chloride	2.72	41	525393	47.379	ug/l	99
15) Acrylonitrile	3.13	53	919896	242.239	ug/l	99
16) Acetone	2.43	43	780683	212.156	ug/l	100
17) Carbon Disulfide	2.56	76	775270	44.506	ug/l	99
18) Methyl Acetate	2.76	43	507836	49.561	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	995388	49.172	ug/l	98
20) Methylene Chloride	2.85	84	335115	47.403	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	315926	47.459	ug/l	97
22) Diisopropyl ether	3.84	45	1049964	49.172	ug/l	97
23) Vinyl Acetate	3.80	43	4247969	239.144	ug/l	100
24) 1,1-Dichloroethane	3.69	63	569488	48.788	ug/l	98
25) 2-Butanone	4.66	43	1285432	235.047	ug/l	99
26) 2,2-Dichloropropane	4.58	77	420775	43.569	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	367056	48.014	ug/l	98
28) Bromochloromethane	5.00	49	243395	52.766	ug/l	100
29) Tetrahydrofuran	5.11	42	827157	245.348	ug/l	99
30) Chloroform	5.20	83	557151	47.064	ug/l	96
31) Cyclohexane	5.57	56	511327	46.443	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	482180	48.741	ug/l	99
36) 1,1-Dichloropropene	5.79	75	420385	46.652	ug/l	99
37) Ethyl Acetate	4.82	43	483758	47.854	ug/l	99
38) Carbon Tetrachloride	5.78	117	405305	48.779	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120319\
 Data File : VX013732.D
 Acq On : 03 Dec 2019 18:08
 Operator : JC/SP
 Sample : K5984-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 S39-0191MS

Manual Integrations
 APPROVED

apatel
 12/4/2019 1:52:25 PM

Quant Time: Dec 04 02:51:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	508051	45.612	ug/l	99
40) Benzene	6.14	78	1300068	47.371	ug/l	100
41) Methacrylonitrile	5.03	41	281131	50.709	ug/l	99
42) 1,2-Dichloroethane	6.18	62	458080	48.942	ug/l	99
43) Isopropyl Acetate	6.43	43	795308	47.788	ug/l	100
44) Trichloroethene	7.21	130	349465	46.397	ug/l	99
45) 1,2-Dichloropropane	7.51	63	335315	48.833	ug/l	97
46) Dibromomethane	7.65	93	219489	47.064	ug/l	99
47) Bromodichloromethane	7.89	83	433305	49.148	ug/l	100
48) Methyl methacrylate	7.76	41	406481	50.268	ug/l	99
49) 1,4-Dioxane	7.73	88	152218	840.978	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2562652	244.795	ug/l	100
52) Toluene	8.78	92	811709	47.609	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	490309	48.859	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	537676	49.042	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	337987	49.193	ug/l	97
56) Ethyl methacrylate	9.17	69	550798	49.863	ug/l	99
57) 1,3-Dichloropropane	9.37	76	563538	47.585	ug/l	99
59) 2-Hexanone	9.48	43	1963432	240.478	ug/l	99
60) Dibromochloromethane	9.58	129	352675	49.461	ug/l	99
61) 1,2-Dibromoethane	9.67	107	352825	48.081	ug/l	99
64) Tetrachloroethene	9.33	164	389572	57.904	ug/l	95
65) Chlorobenzene	10.14	112	890193	47.525	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	331545	49.292	ug/l	99
67) Ethyl Benzene	10.25	91	1557052	48.375	ug/l	99
68) m/p-Xylenes	10.35	106	1178298	95.618	ug/l	100
69) o-Xylene	10.70	106	576954	48.005	ug/l	100
70) Styrene	10.71	104	982139	48.579	ug/l	100
71) Bromoform	10.85	173	277731	49.904	ug/l #	98
73) Isopropylbenzene	11.01	105	1520497	49.009	ug/l	100
74) N-amyl acetate	10.89	43	708023	49.819	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	537989	50.003	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	423244m	42.547	ug/l	
77) Bromobenzene	11.25	156	399495	47.665	ug/l	99
78) n-propylbenzene	11.35	91	1725238	49.815	ug/l	100
79) 2-Chlorotoluene	11.42	91	1003681	48.311	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1291596	50.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	174719	48.051	ug/l	98
82) 4-Chlorotoluene	11.51	91	1162035	48.293	ug/l	99
83) tert-Butylbenzene	11.76	119	1303618	50.446	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1374076	53.246	ug/l	100
85) sec-Butylbenzene	11.94	105	1506135	51.026	ug/l	100
86) p-Isopropyltoluene	12.06	119	1356094	49.385	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	694483	47.534	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	688593	46.272	ug/l	99
89) n-Butylbenzene	12.38	91	1152860	49.225	ug/l	99
90) Hexachloroethane	12.59	117	247266	49.818	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	694206	48.091	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	119800	51.132	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	468479	46.567	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120319\
Data File : VX013732.D
Acq On : 03 Dec 2019 18:08
Operator : JC/SP
Sample : K5984-02MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

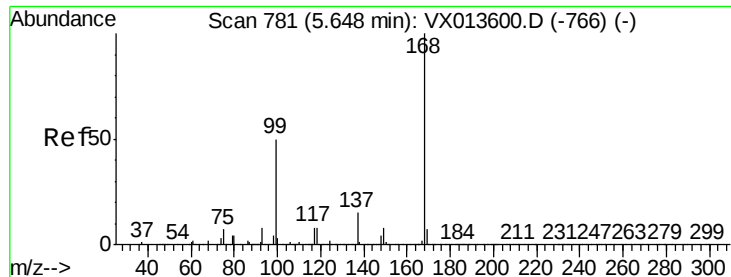
Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM

Quant Time: Dec 04 02:51:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	217917	45.091	ug/l	98
95) Naphthalene	13.83	128	1526797	50.961	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	467111	46.894	ug/l	99

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



#1

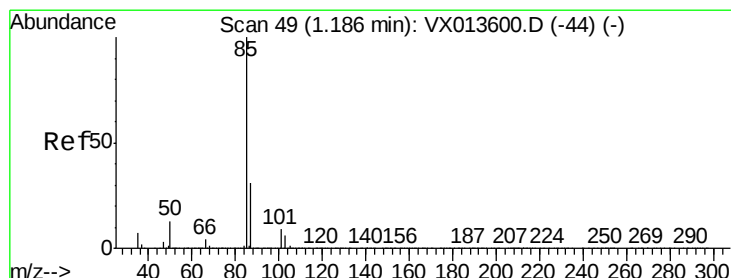
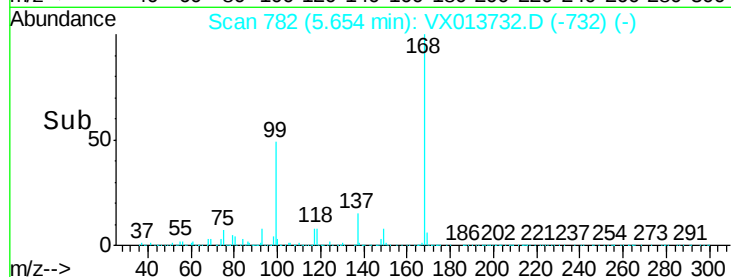
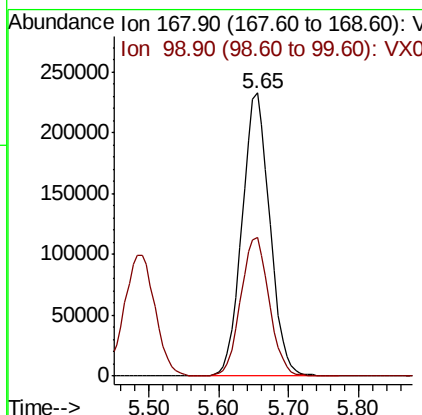
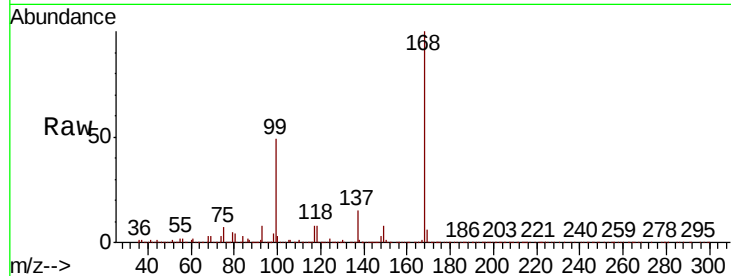
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.9	39.8	59.8

Manual Integrations
APPROVED

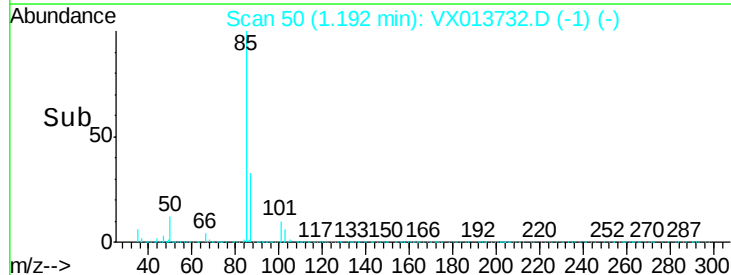
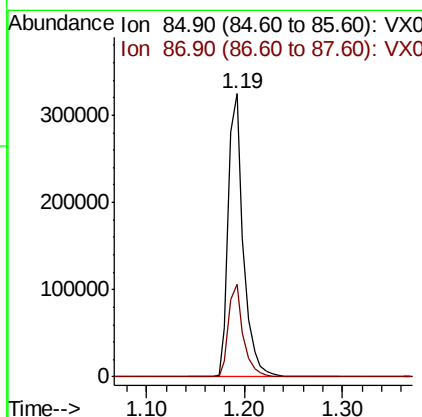
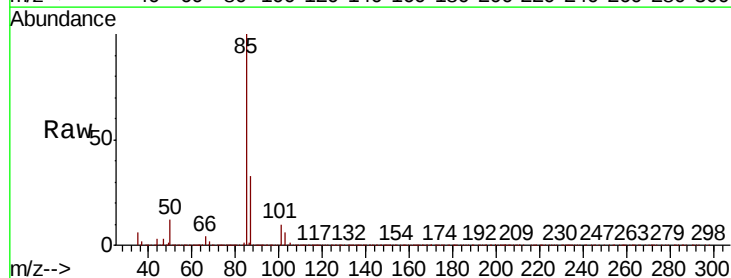
apatel
12/4/2019 1:52:25 PM

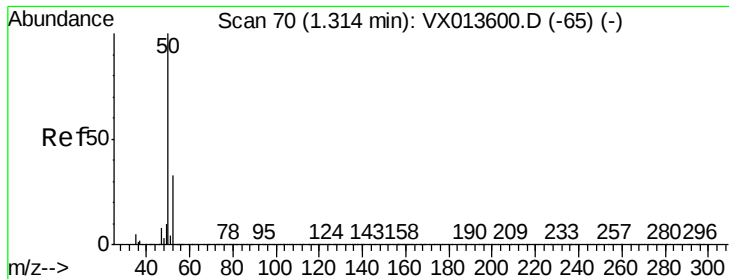


#2

Dichlorodifluoromethane
Concen: 48.506 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.7	47.1





#3

Chloromethane

Concen: 45.780 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

S39-0191MS

Tot Ion: 50 Resp: 367118

Ion Ratio Lower Upper

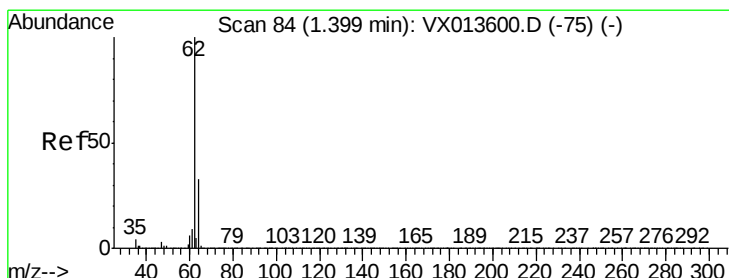
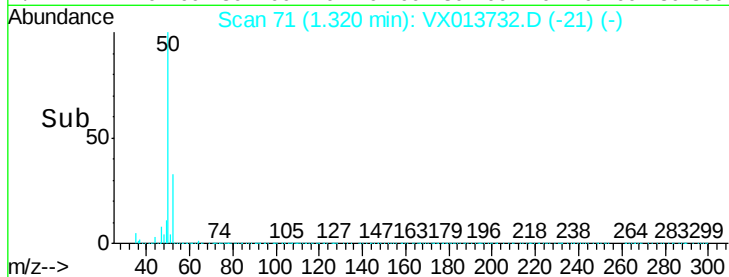
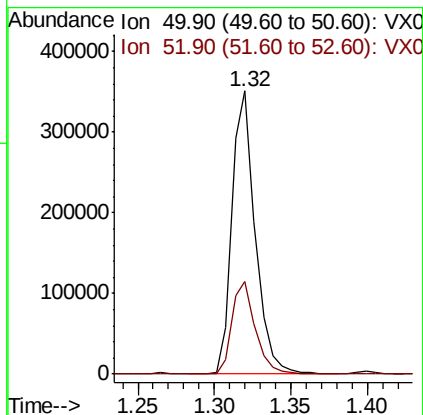
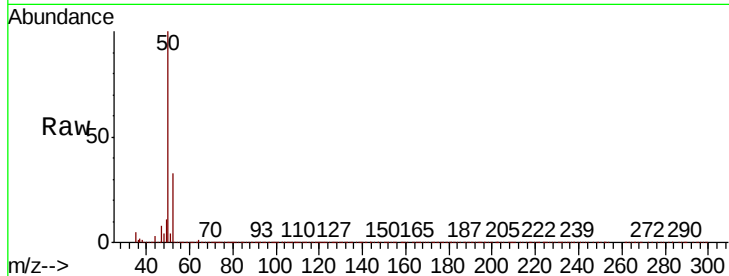
50 100

52 32.9 26.0 39.0

Manual Integrations
APPROVED

apatel

12/4/2019 1:52:25 PM



#4

Vinyl Chloride

Concen: 48.932 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013732.D

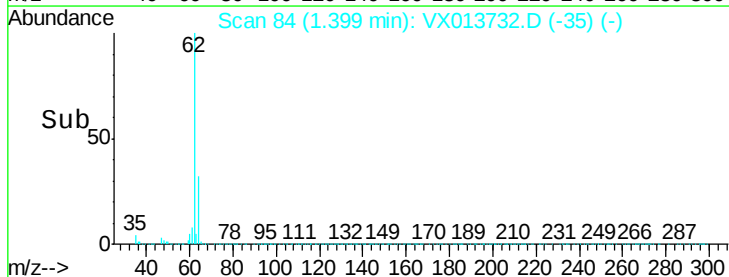
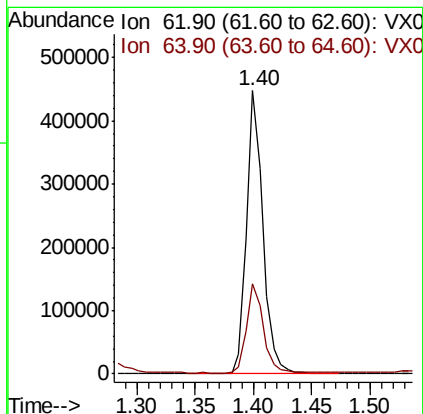
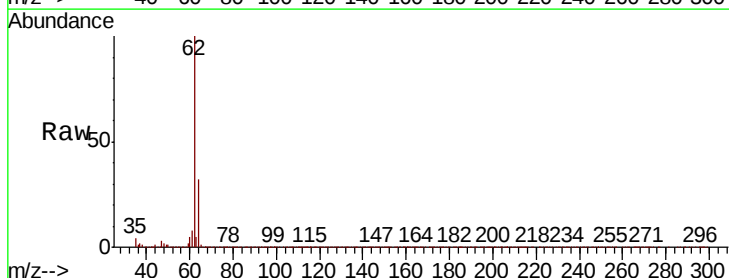
Acq: 03 Dec 2019 18:08

Tgt Ion: 62 Resp: 441654

Ion Ratio Lower Upper

62 100

64 31.5 26.0 39.0





#5

Bromomethane

Concen: 32.105 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

S39-0191MS

Tot Ion: 94 Resp: 194608

Ion Ratio Lower Upper

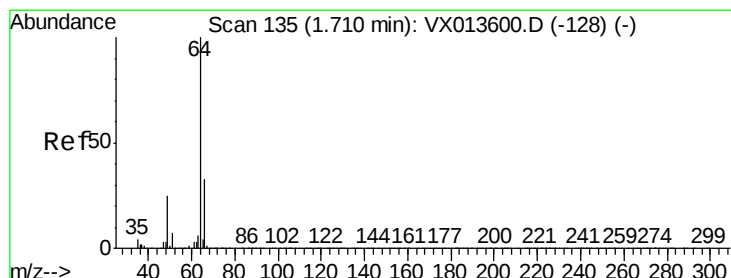
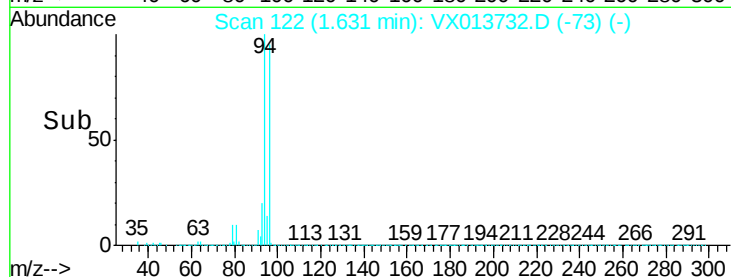
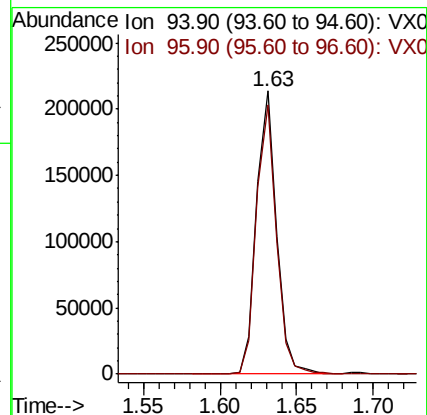
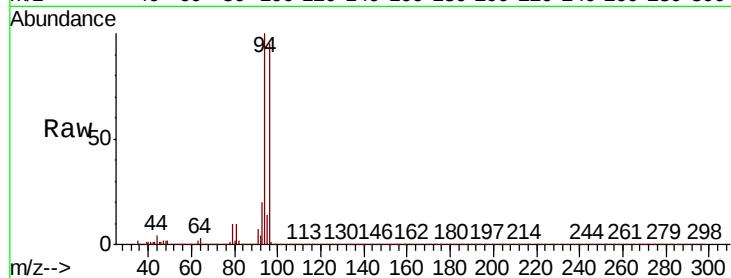
94 100

96 95.1 77.0 115.4

Manual Integrations
APPROVED

apatel

12/4/2019 1:52:25 PM



#6

Chloroethane

Concen: 48.001 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX013732.D

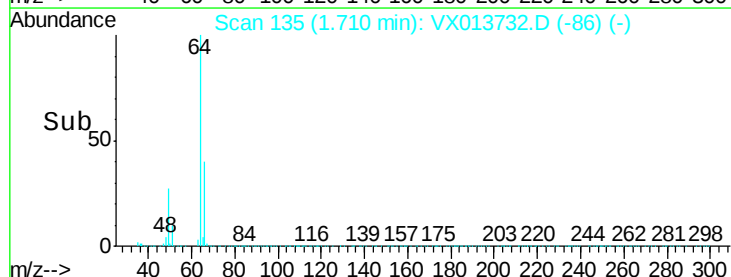
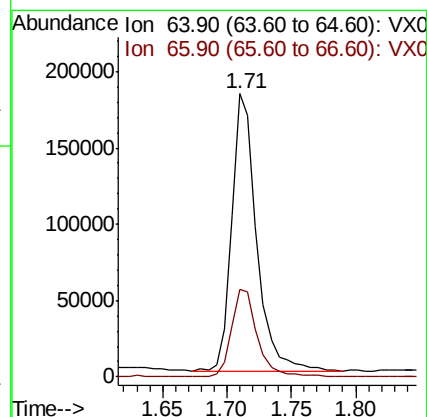
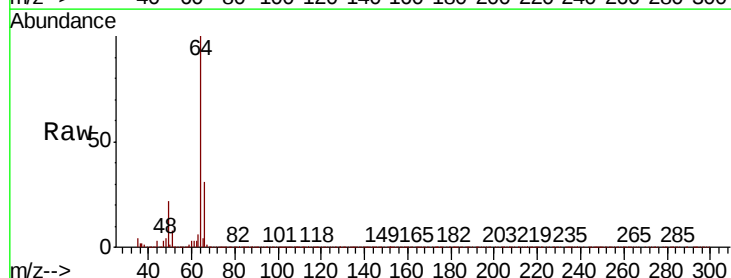
Acq: 03 Dec 2019 18:08

Tgt Ion: 64 Resp: 246542

Ion Ratio Lower Upper

64 100

66 31.3 26.7 40.1





#7

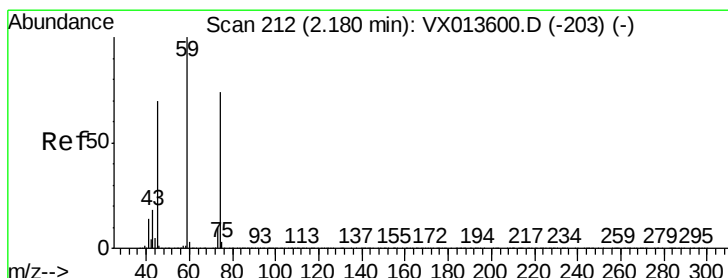
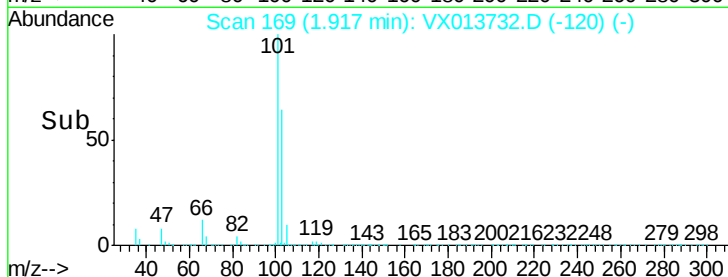
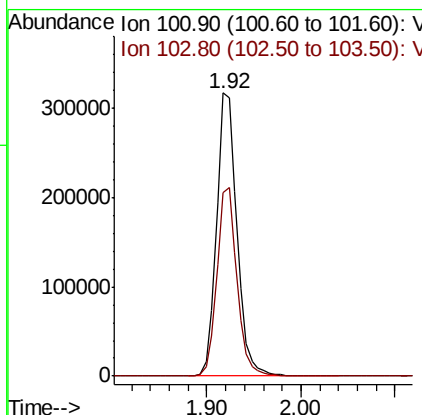
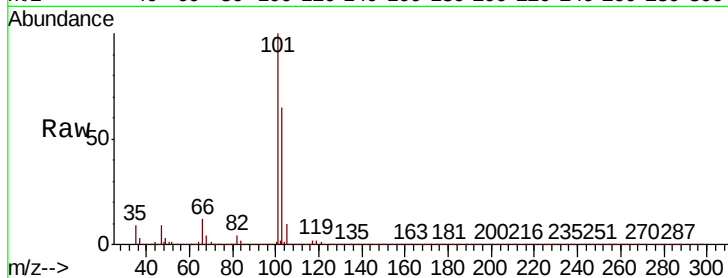
Trichlorofluoromethane
Concen: 47.287 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6

Manual Integrations
APPROVED

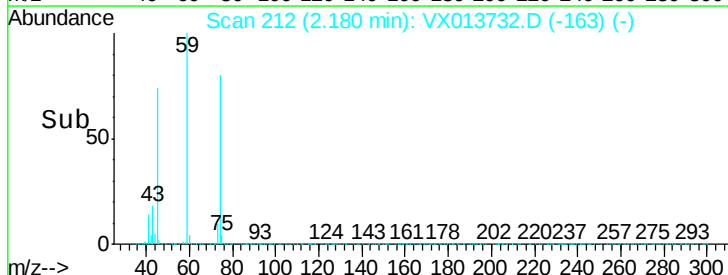
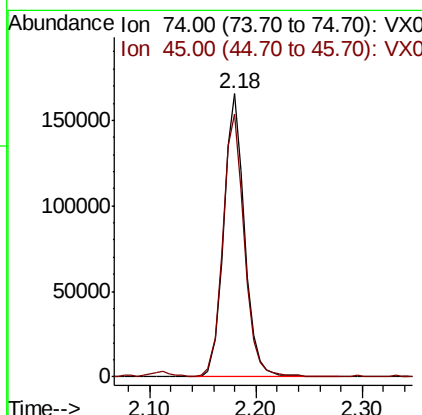
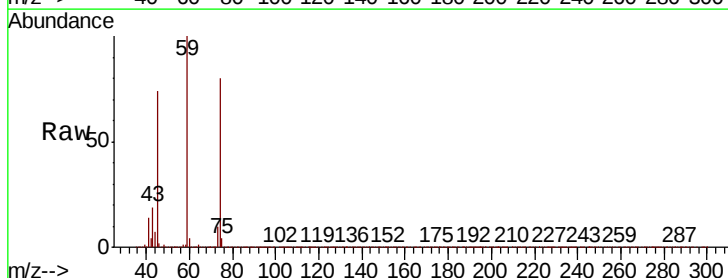
apatel
12/4/2019 1:52:25 PM

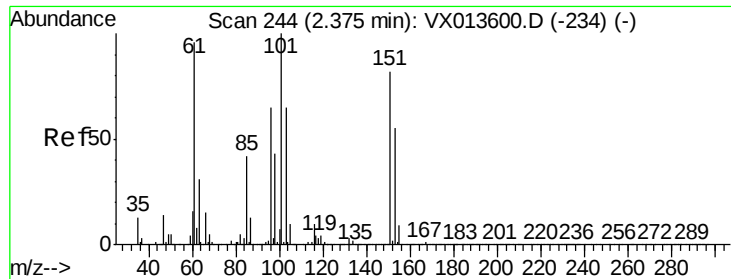


#8

Diethyl Ether
Concen: 49.577 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.532 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

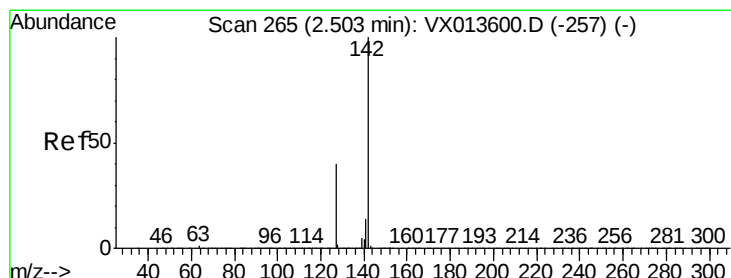
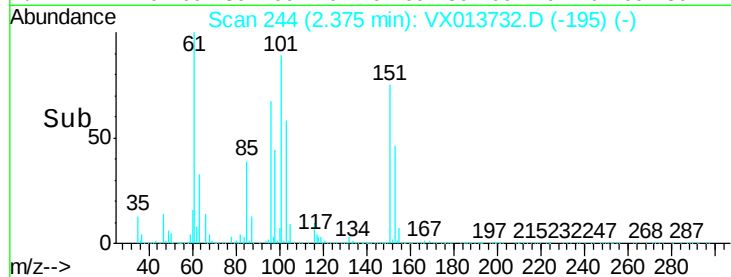
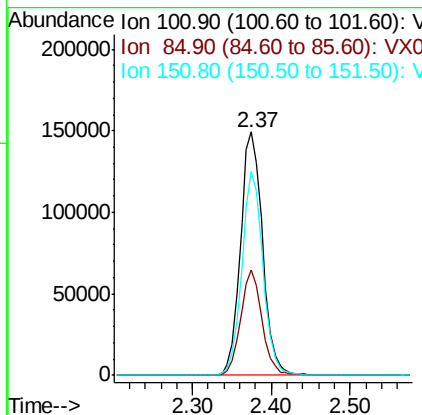
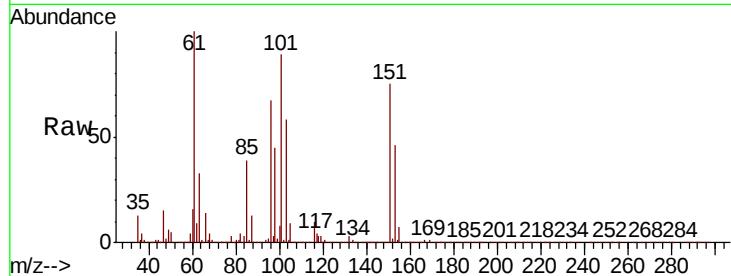
ClientSampleId :

S39-0191MS

Tot Ion:	101	Resp:	290980
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.9	50.9
151	79.8	64.2	96.2

Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM



#10

Methyl Iodide

Concen: 33.269 ug/l

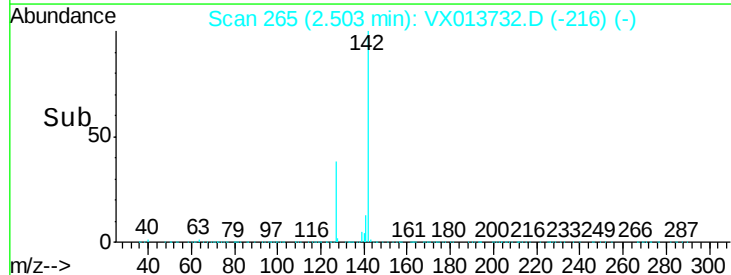
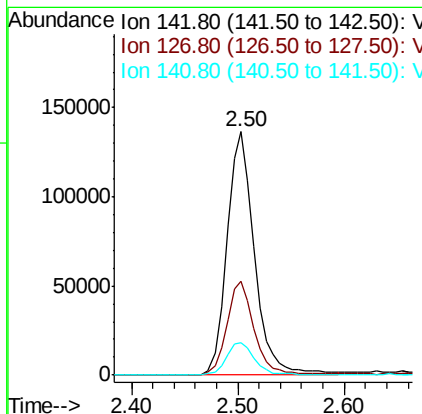
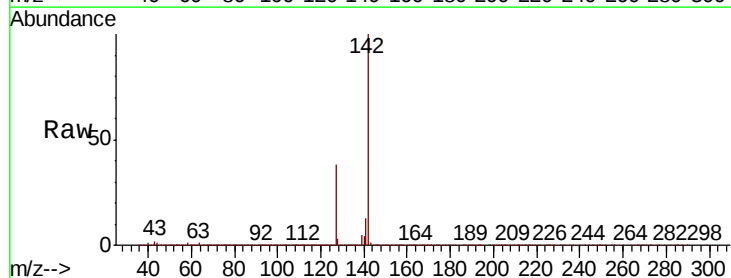
RT: 2.50 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Tgt Ion:	142	Resp:	246371
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	13.5	11.6	17.4





#11

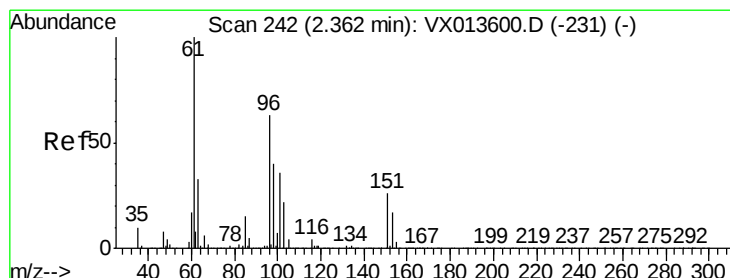
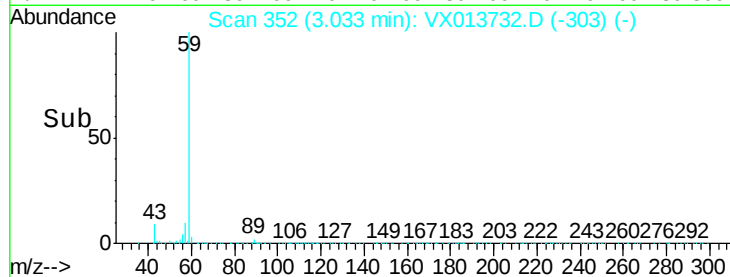
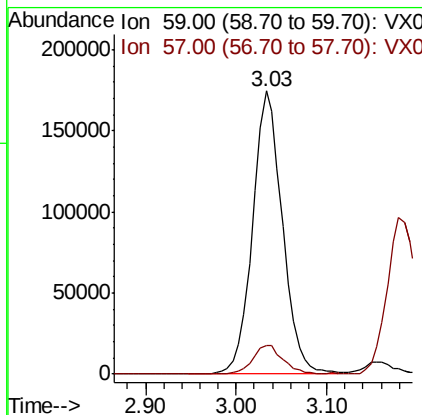
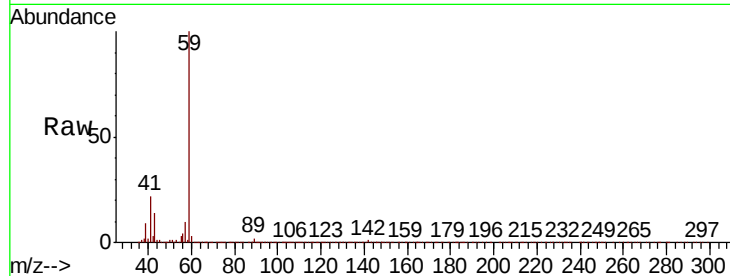
Tert butyl alcohol
Concen: 215.007 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.6

Manual Integrations
APPROVED

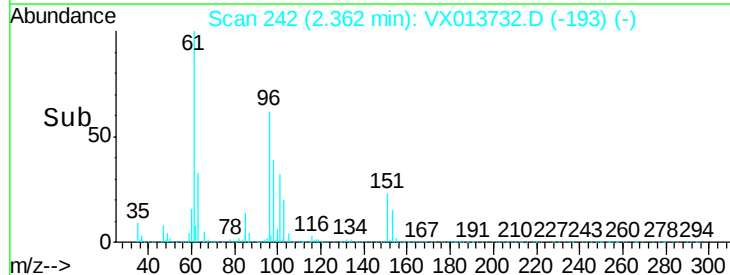
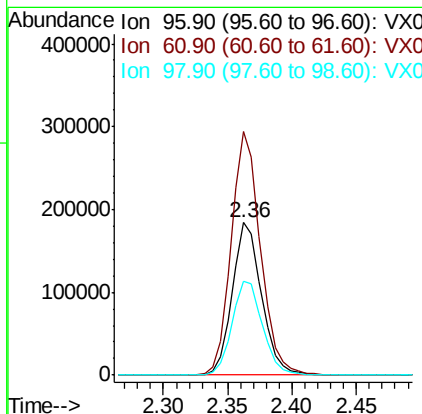
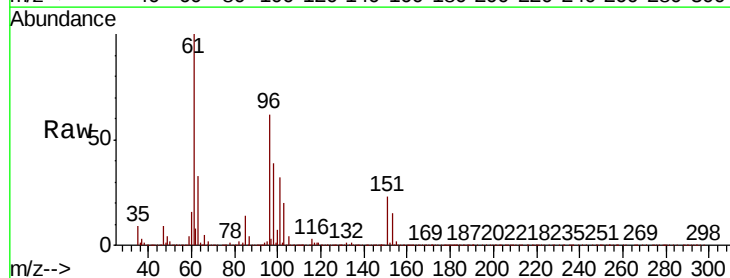
apatel
12/4/2019 1:52:25 PM

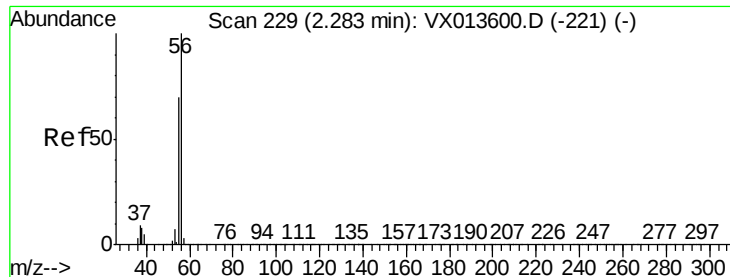


#12

1,1-Dichloroethene
Concen: 47.822 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	126.6	190.0
98	62.1	50.6	76.0





#13

Acrolein

Concen: 214.418 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

S39-0191MS

Tot Ion: 56 Resp: 262730

Ion Ratio Lower Upper

56 100

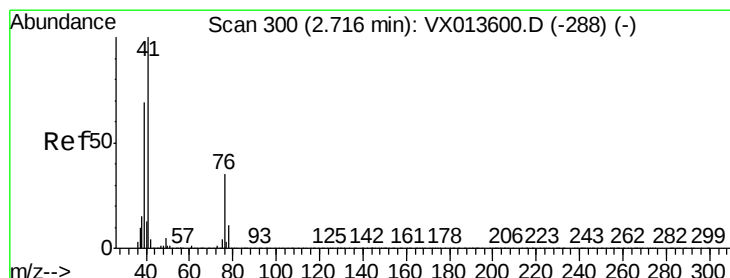
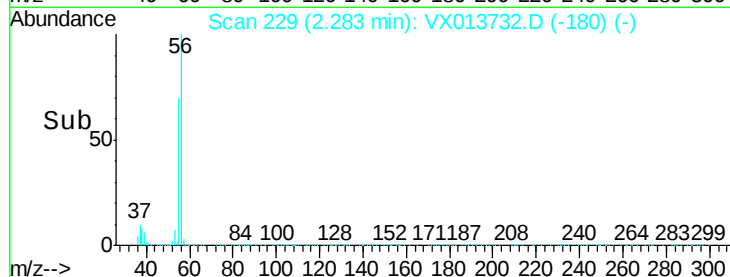
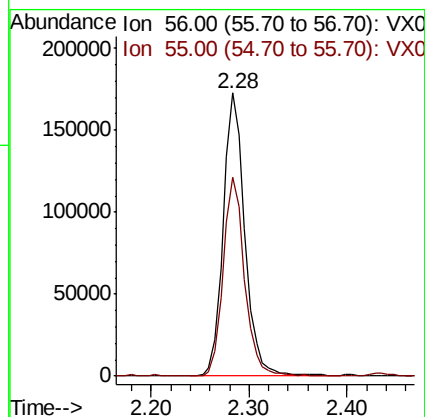
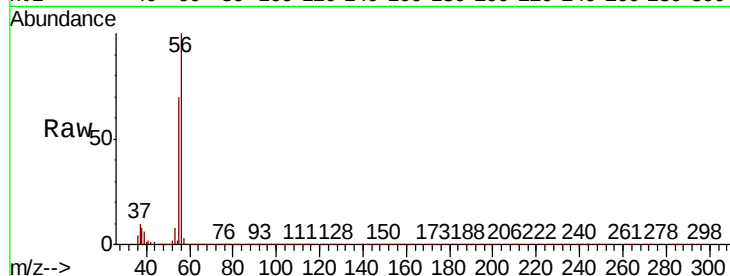
55 69.0 56.2 84.4

Manual Integrations

APPROVED

apatel

12/4/2019 1:52:25 PM



#14

Allyl chloride

Concen: 47.379 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

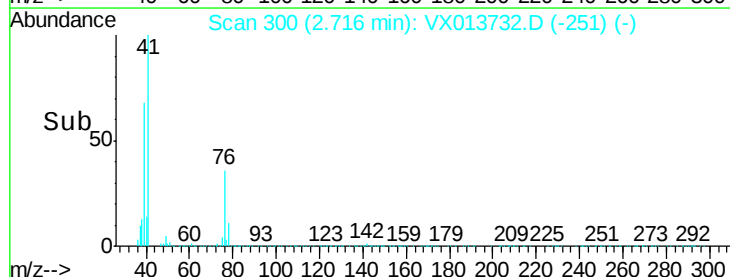
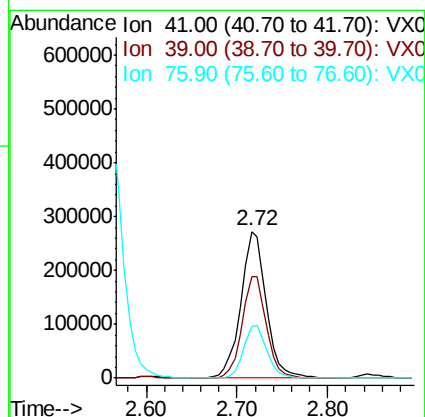
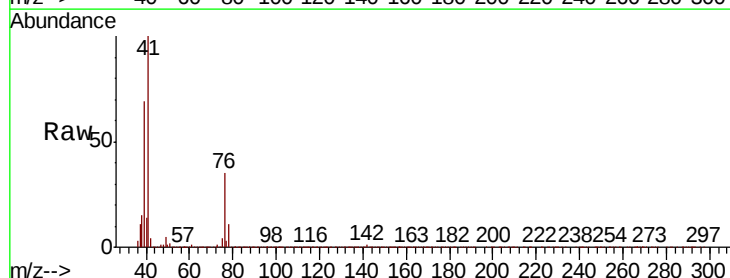
Tgt Ion: 41 Resp: 525393

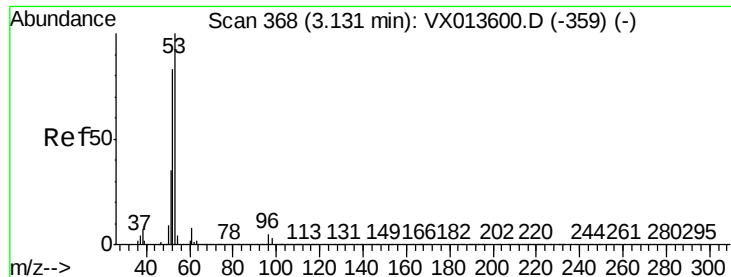
Ion Ratio Lower Upper

41 100

39 66.0 51.7 77.5

76 32.8 25.9 38.9





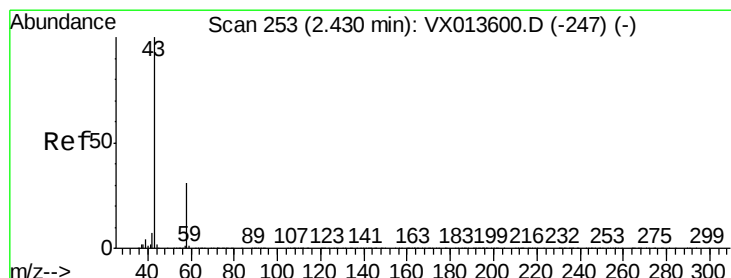
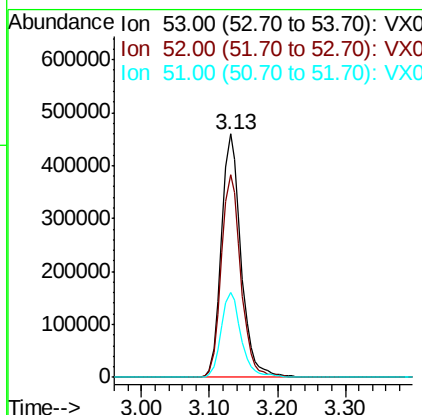
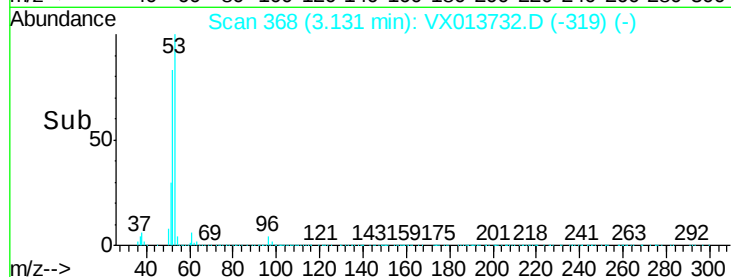
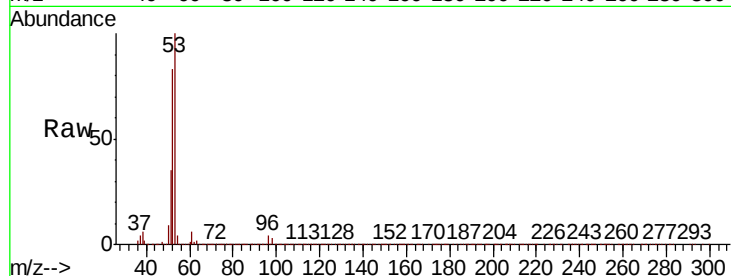
#15
 Acrylonitrile
 Concen: 242.239 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Tot Ion:	53	Resp:	919896
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.2	99.2
51	35.8	29.0	43.6

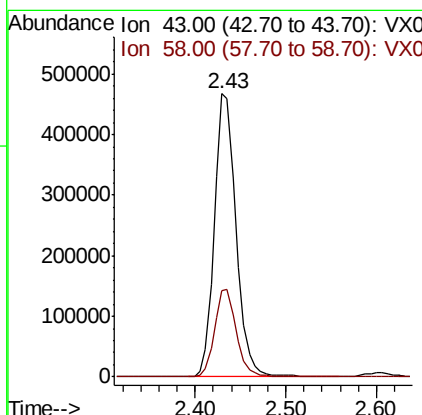
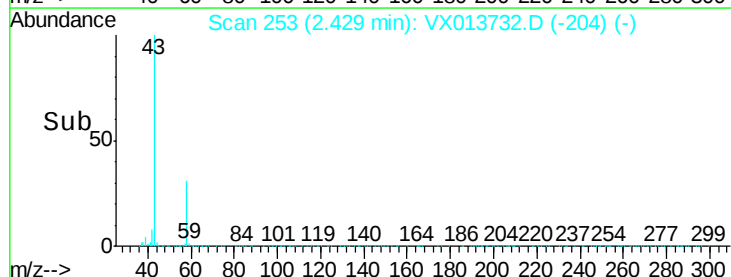
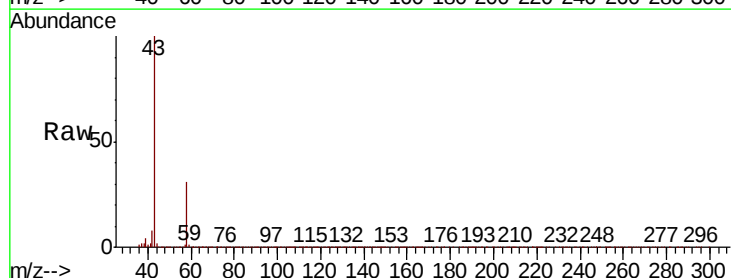
Manual Integrations
 APPROVED

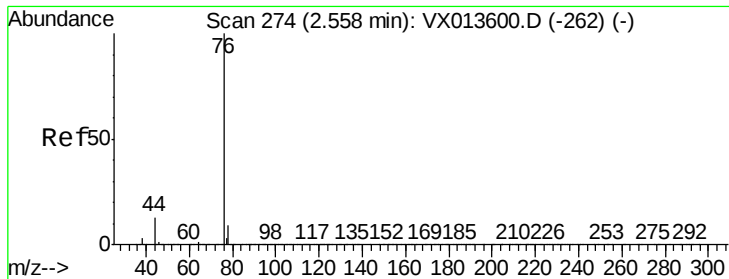
apatel
 12/4/2019 1:52:25 PM



#16
 Acetone
 Concen: 212.156 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Tgt Ion:	43	Resp:	780683
Ion Ratio		Lower	Upper
43	100		
58	30.7	24.6	36.8





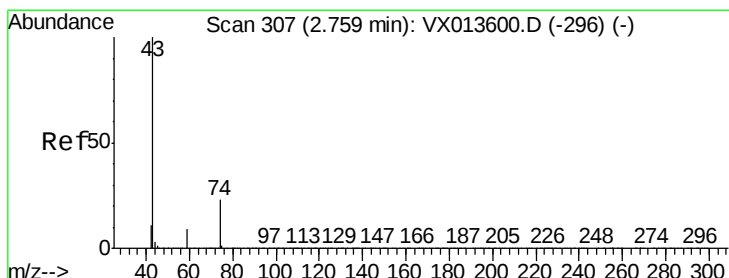
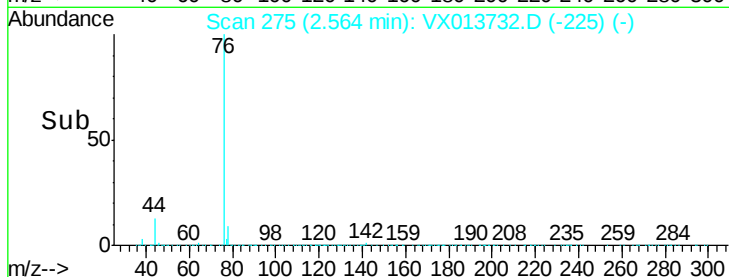
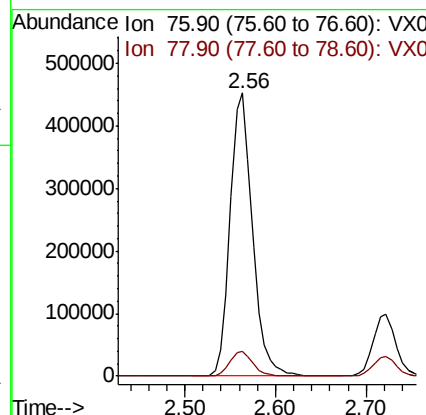
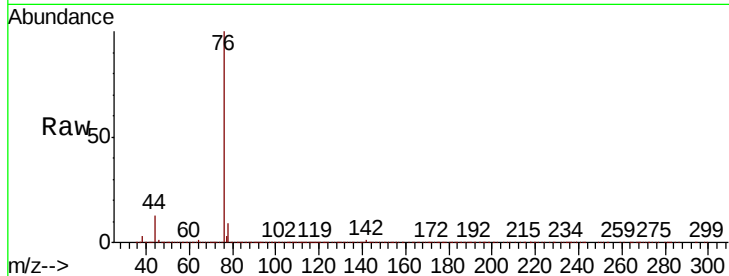
#17
Carbon Disulfide
Concen: 44.506 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

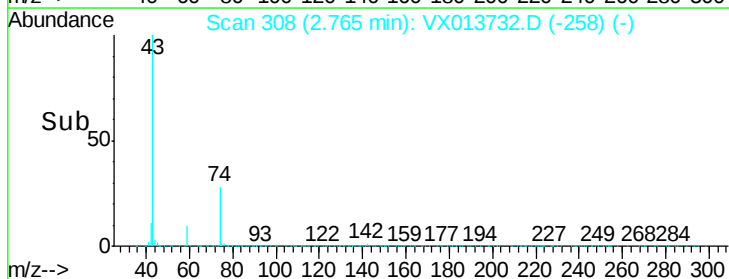
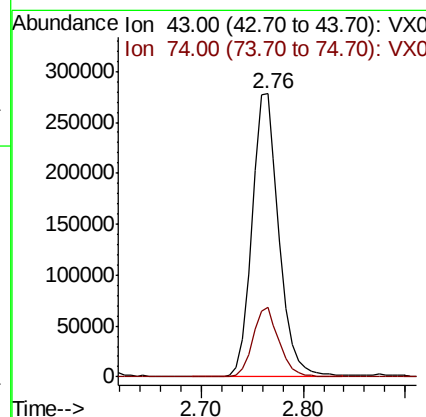
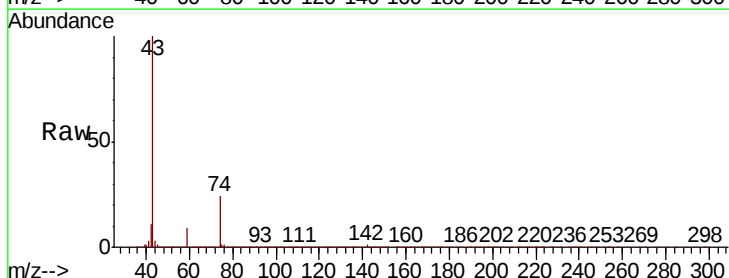
Manual Integrations
APPROVED

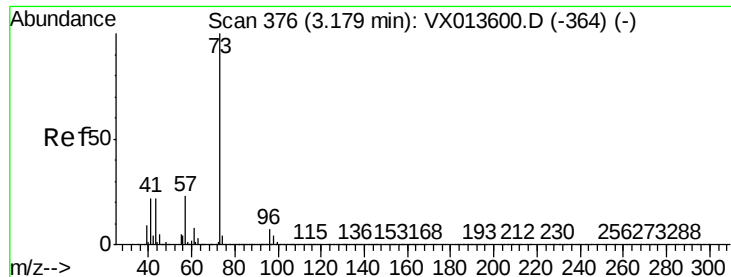
apatel
12/4/2019 1:52:25 PM



#18
Methyl Acetate
Concen: 49.561 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.5	29.3





#19

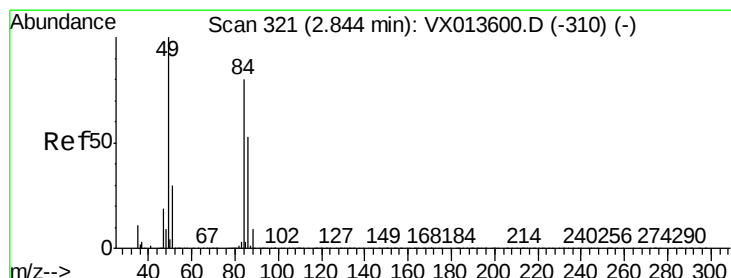
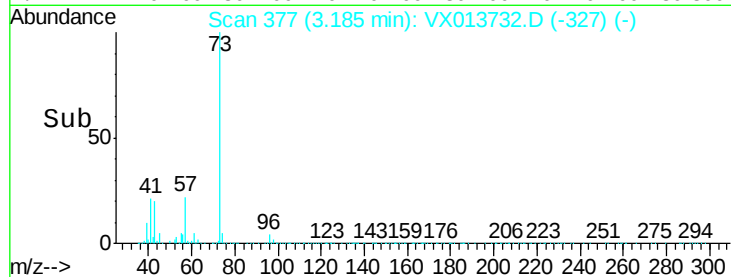
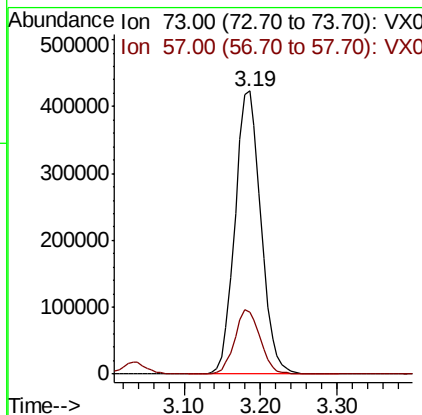
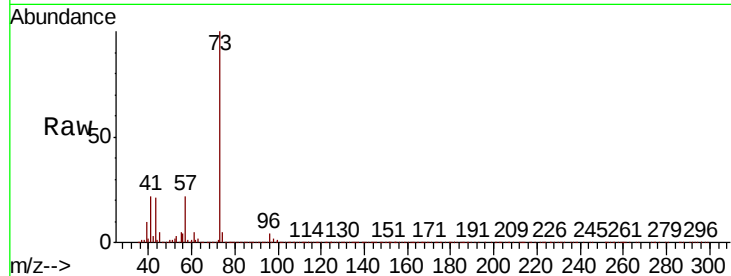
Methvl tert-butvl Ether
Concen: 49.172 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.3	27.5

Manual Integrations
APPROVED

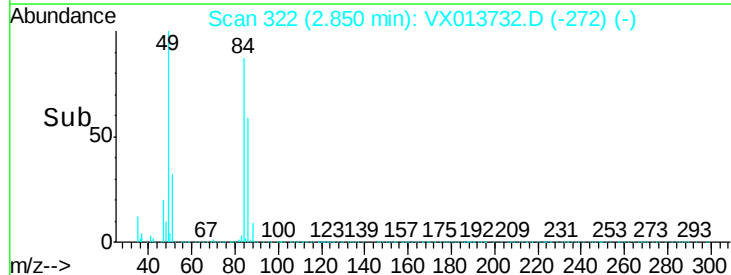
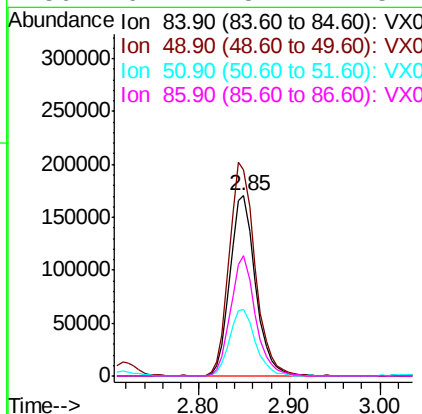
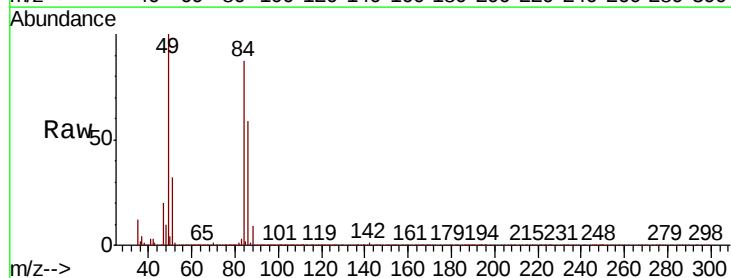
apatel
12/4/2019 1:52:25 PM

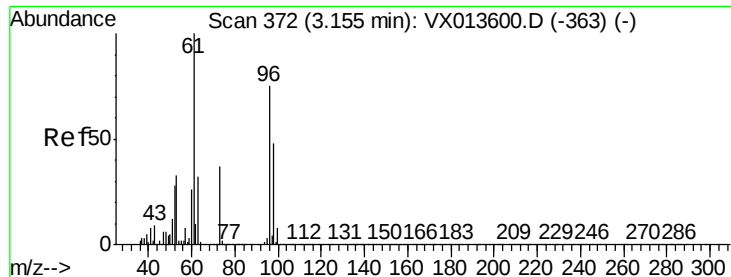


#20

Methylene Chloride
Concen: 47.403 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.6	99.7	149.5
51	36.6	29.9	44.9
86	67.2	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 47.459 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

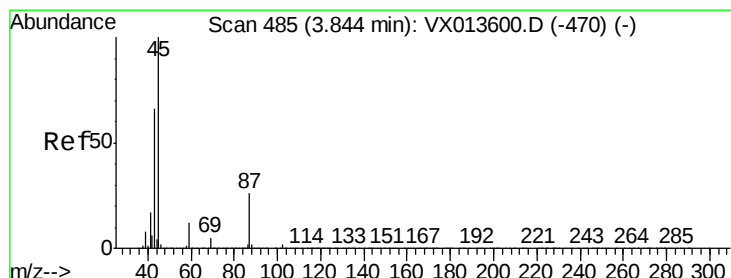
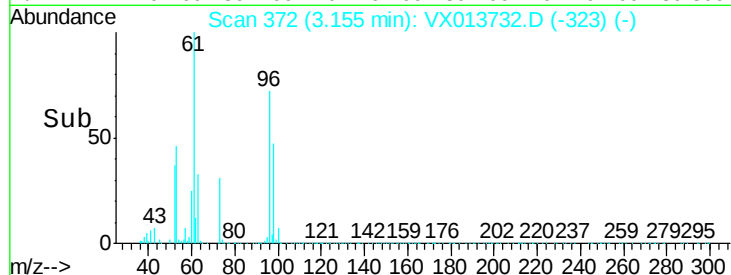
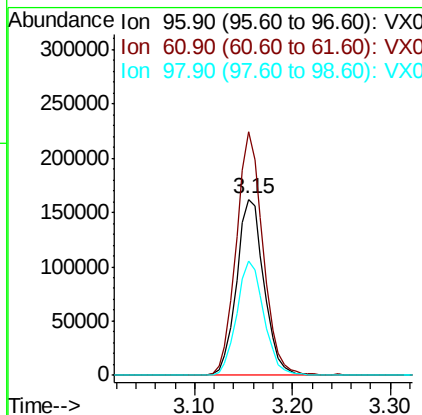
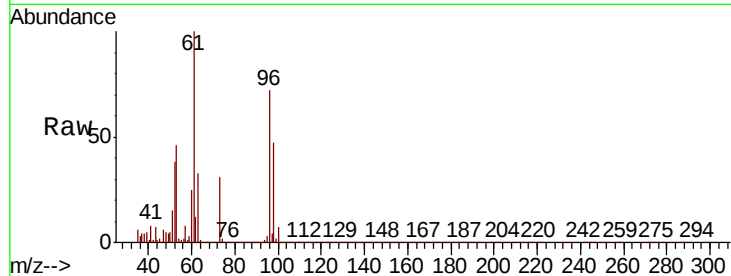
ClientSampleId :

S39-0191MS

Tot Ion:	96	Resp:	315926
Ion Ratio	Lower	Upper	
96	100		
61	138.2	107.2	160.8
98	64.6	51.4	77.0

Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM



#22

Diisopropyl ether

Concen: 49.172 ug/l

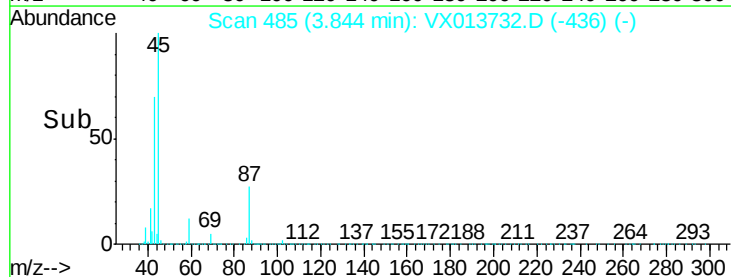
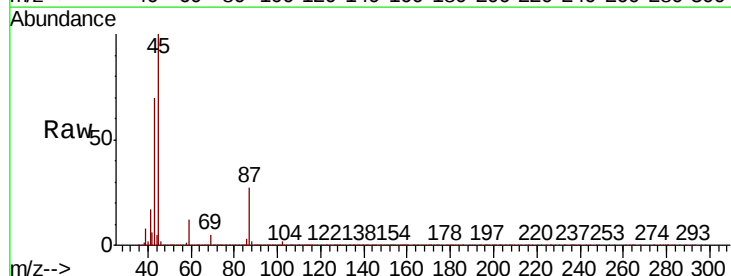
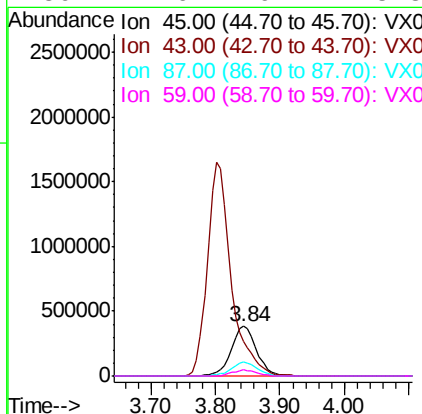
RT: 3.84 min Scan# 485

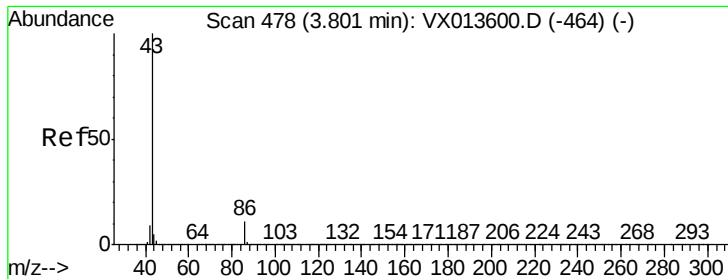
Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Tgt Ion:	45	Resp:	1049964
Ion Ratio	Lower	Upper	
45	100		
43	69.3	52.6	79.0
87	27.4	21.1	31.7
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 239.144 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

S39-0191MS

Tot Ion: 43 Resp: 4247969

Ion Ratio Lower Upper

43 100

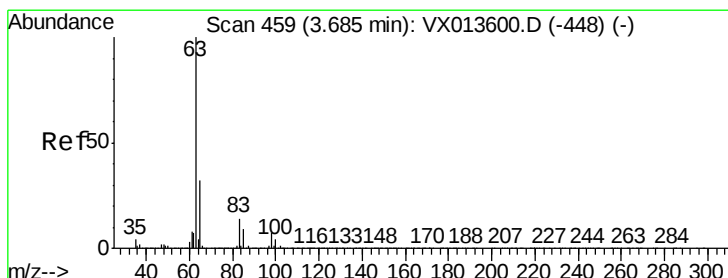
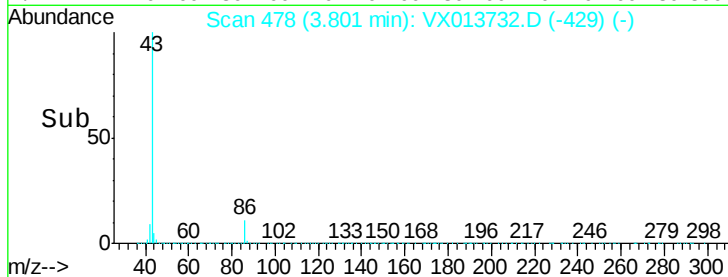
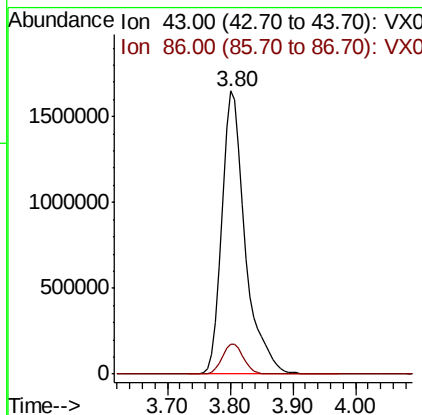
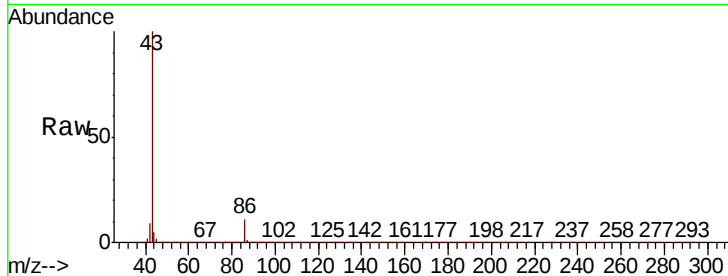
86 10.7 8.7 13.1

Manual Integrations

APPROVED

apatel

12/4/2019 1:52:25 PM



#24

1,1-Dichloroethane

Concen: 48.788 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

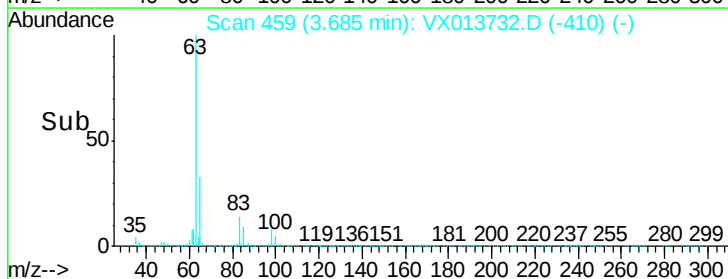
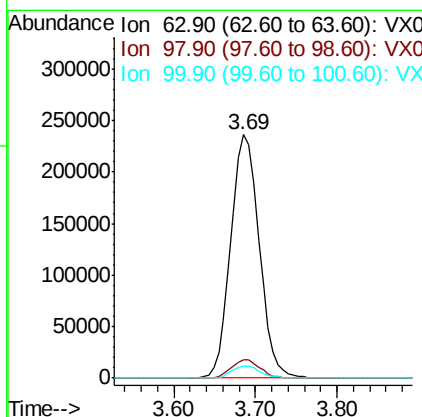
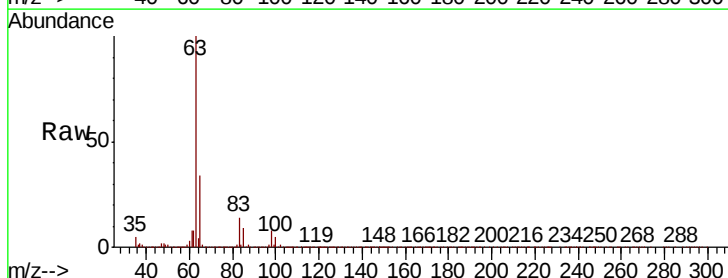
Tgt Ion: 63 Resp: 569488

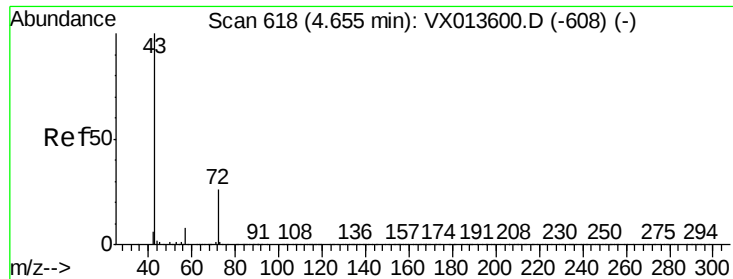
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 235.047 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampled :

S39-0191MS

Tot Ion: 43 Resp: 1285432

Ion Ratio Lower Upper

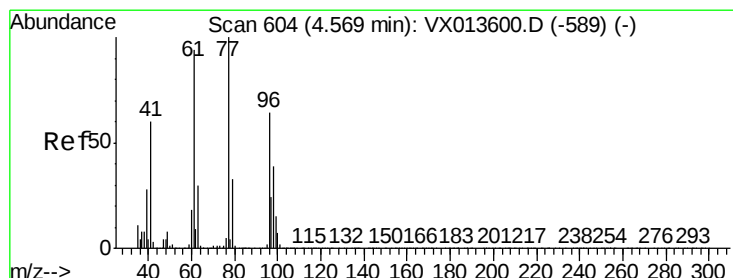
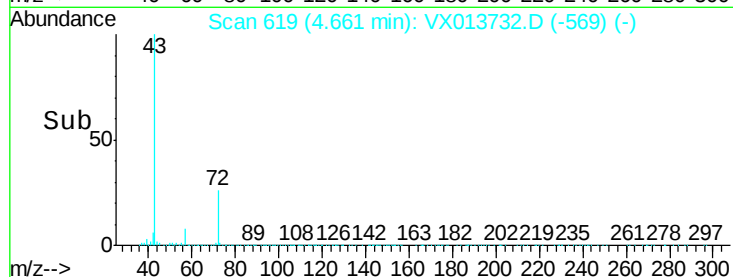
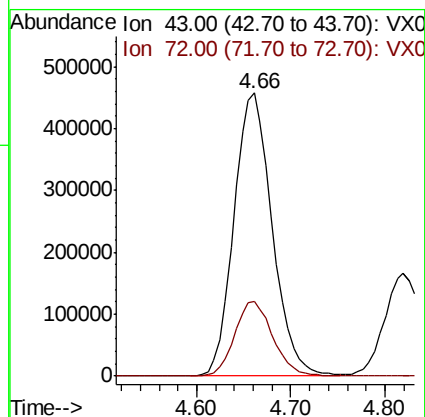
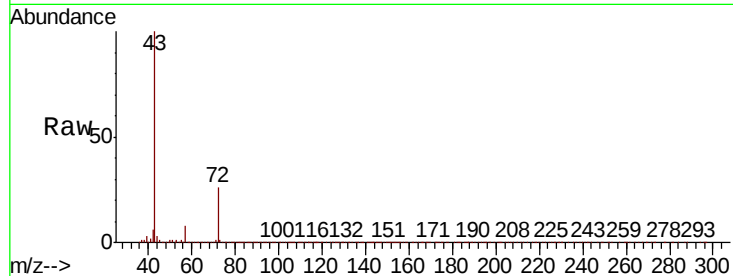
43 100

72 26.2 20.6 31.0

Manual Integrations
APPROVED

apatel

12/4/2019 1:52:25 PM



#26

2,2-Dichloropropane

Concen: 43.569 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013732.D

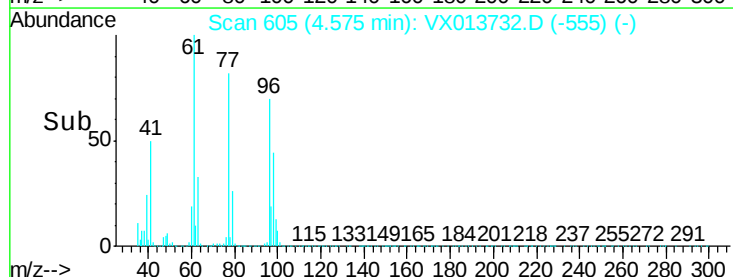
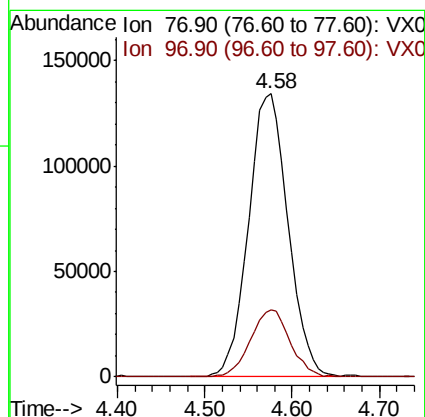
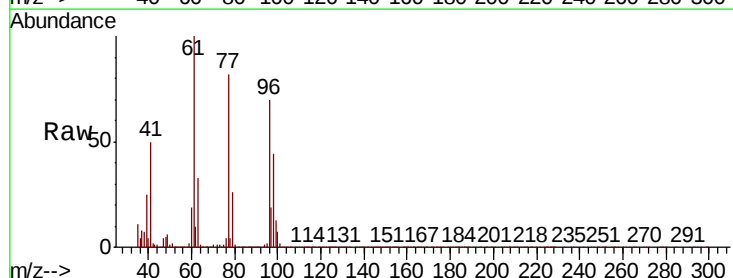
Acq: 03 Dec 2019 18:08

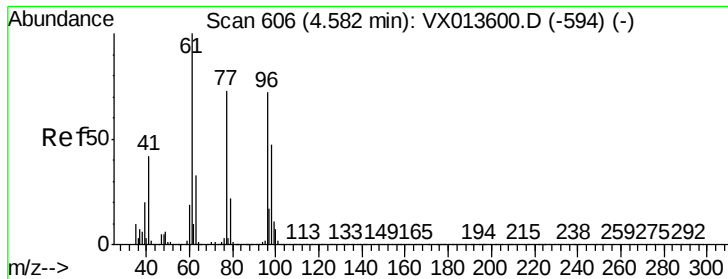
Tgt Ion: 77 Resp: 420775

Ion Ratio Lower Upper

77 100

97 23.6 12.0 36.1





#27

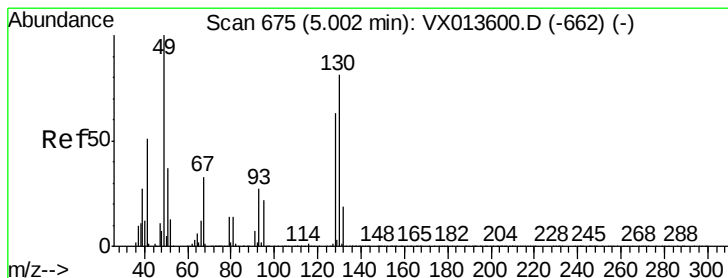
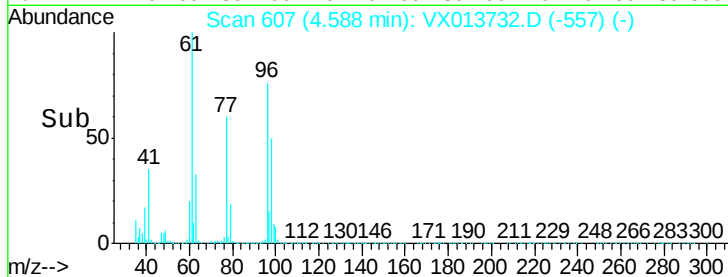
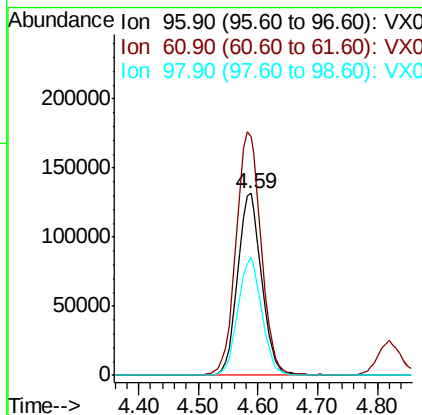
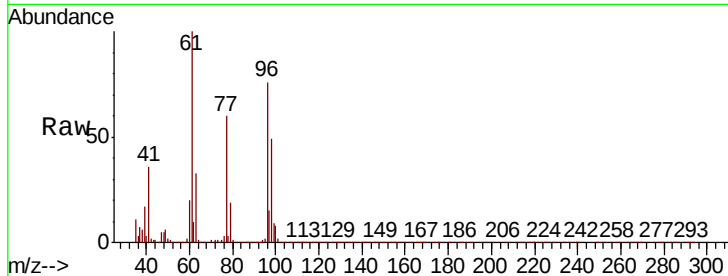
cis-1,2-Dichloroethene
Concen: 48.014 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	139.9	0.0	286.4
98	64.2	0.0	127.4

Manual Integrations
APPROVED

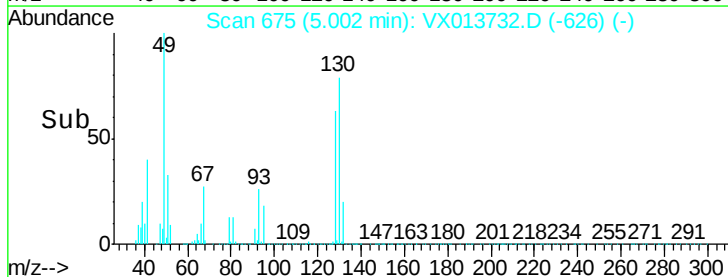
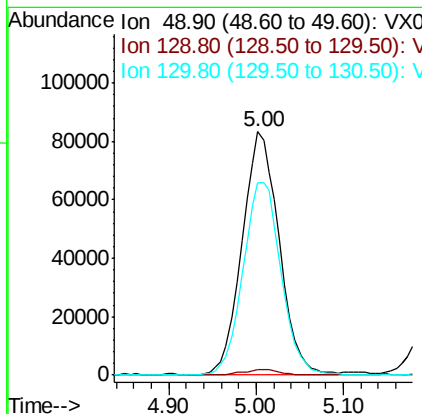
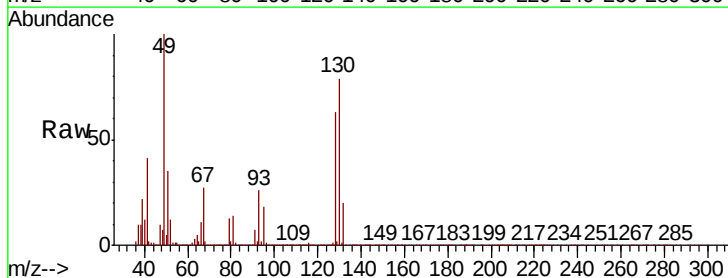
apatel
12/4/2019 1:52:25 PM

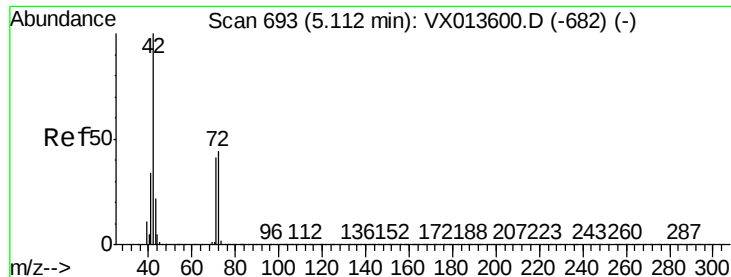


#28

Bromochloromethane
Concen: 52.766 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	2.4	0.0	5.0
130	81.9	65.4	98.0





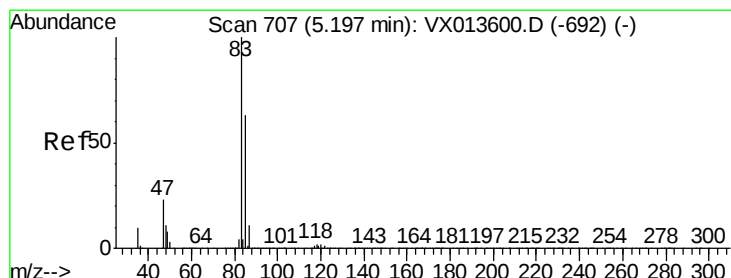
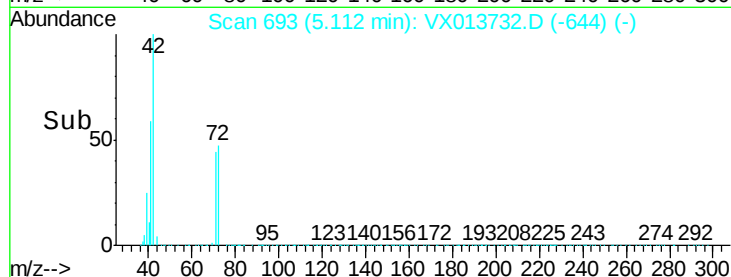
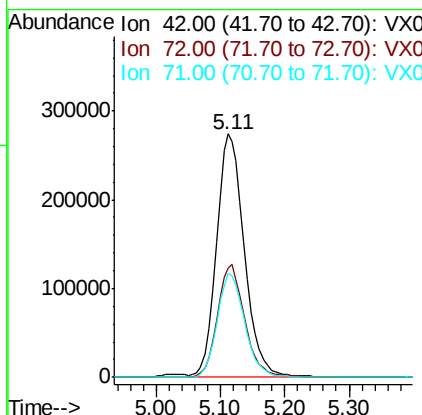
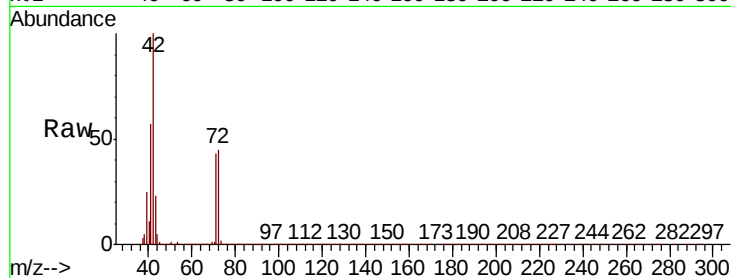
#29
Tetrahydrofuran
Concen: 245.348 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.3	54.5
71	42.5	33.2	49.8

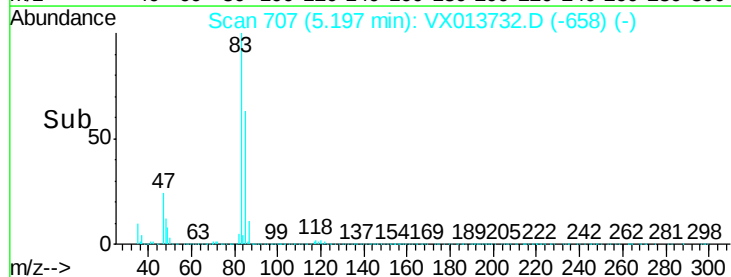
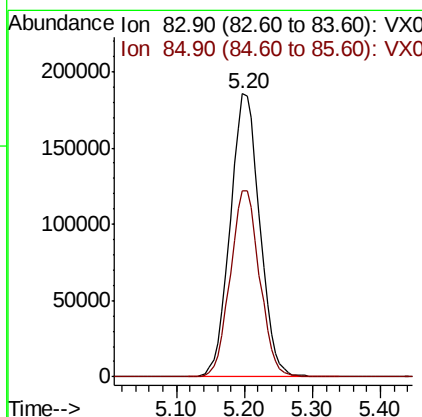
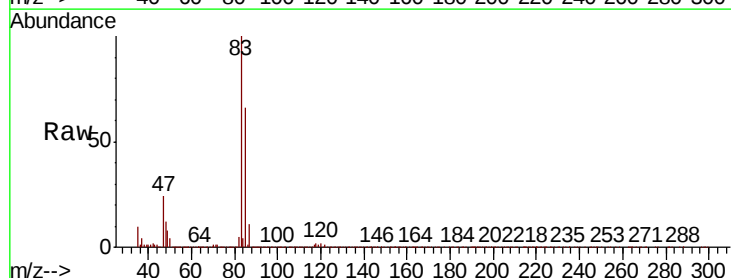
Manual Integrations
APPROVED

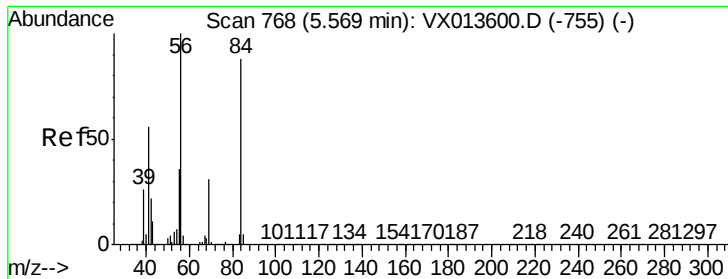
apatel
12/4/2019 1:52:25 PM



#30
Chloroform
Concen: 47.064 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.2	75.4





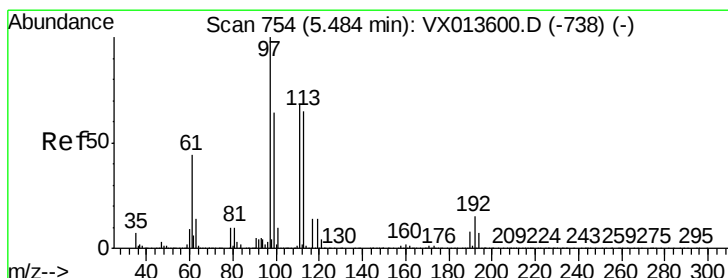
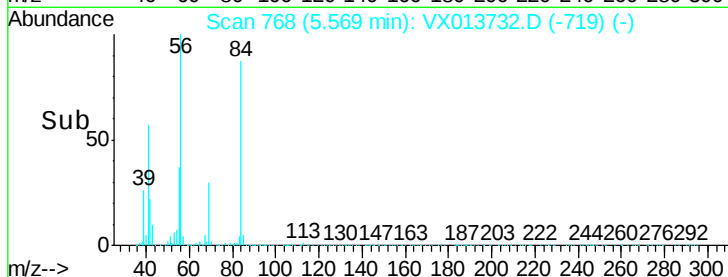
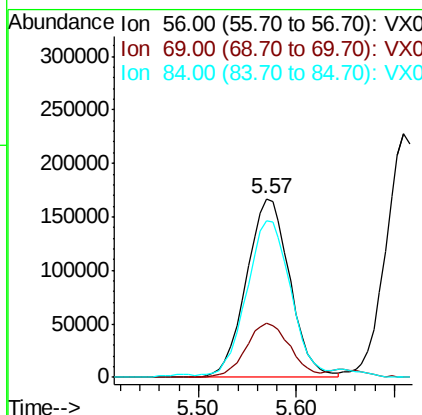
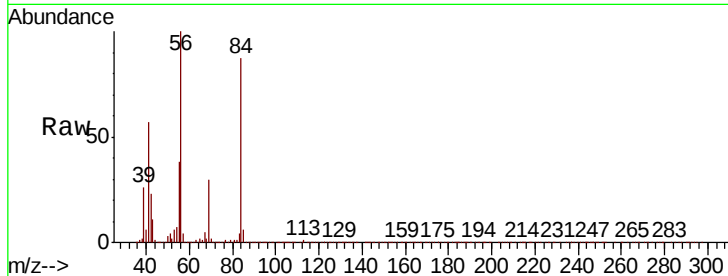
#31
Cyclohexane
Concen: 46.443 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.6	36.8
84	86.2	70.0	105.0

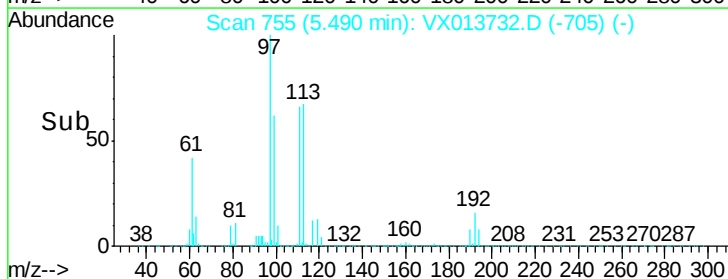
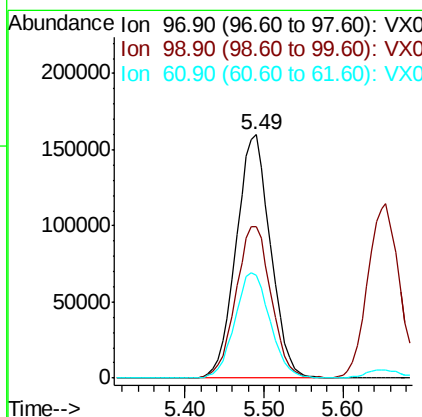
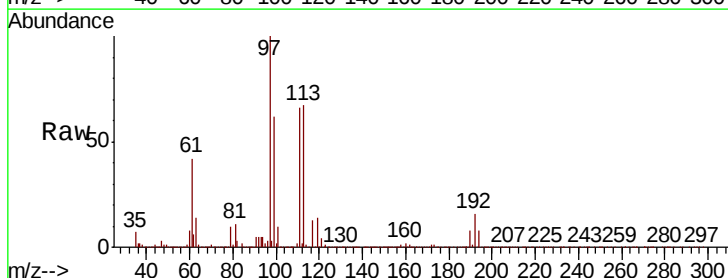
Manual Integrations
APPROVED

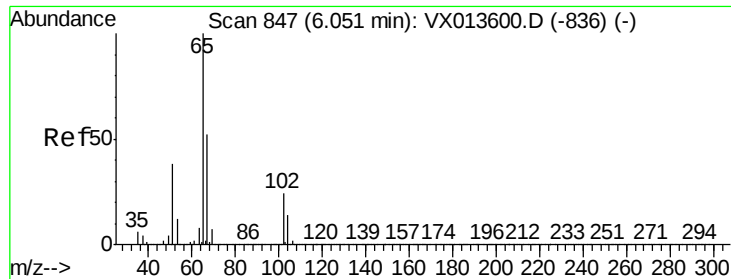
apatel
12/4/2019 1:52:25 PM



#32
1,1,1-Trichloroethane
Concen: 48.741 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	44.4	36.1	54.1





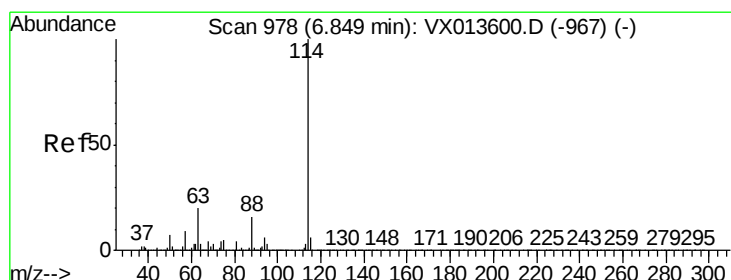
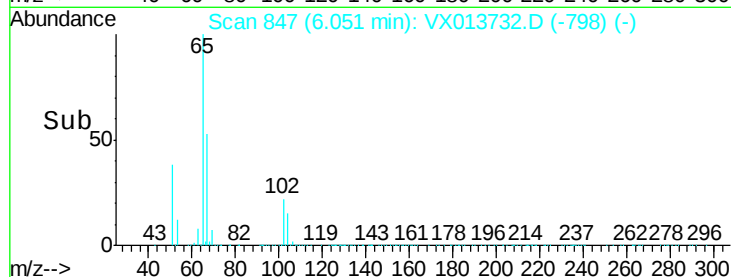
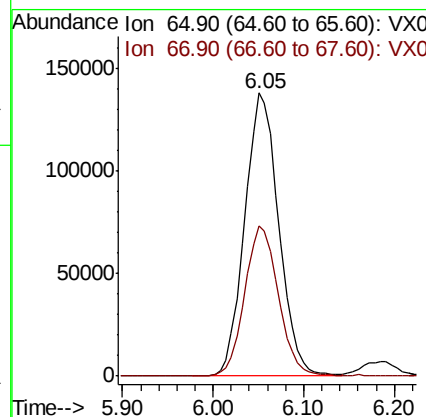
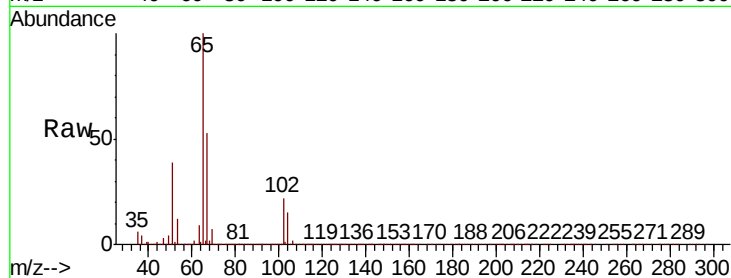
#33
 1,2-Dichloroethane-d4
 Concen: 48.250 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.8	0.0	104.4	

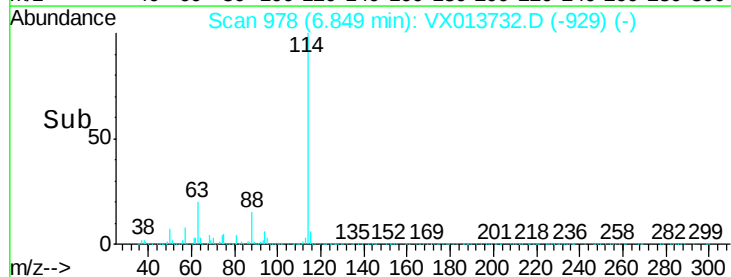
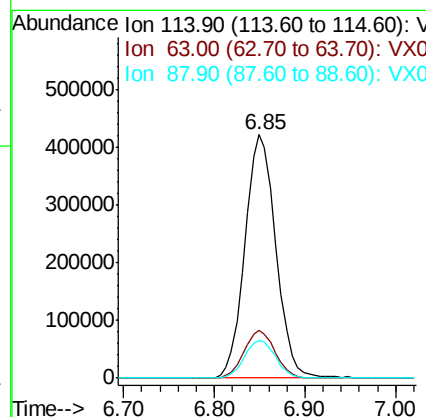
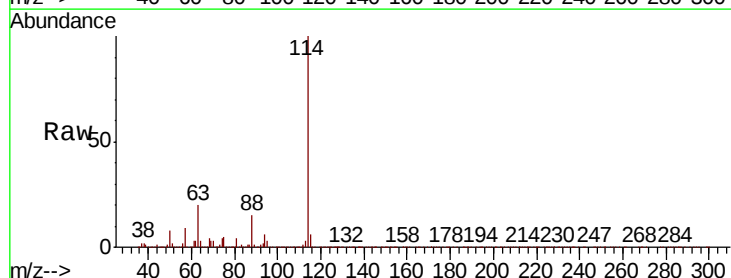
Manual Integrations
 APPROVED

apatel
 12/4/2019 1:52:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	39.6	
88	15.4	0.0	31.4	





#35

Dibromofluoromethane

Concen: 48.423 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

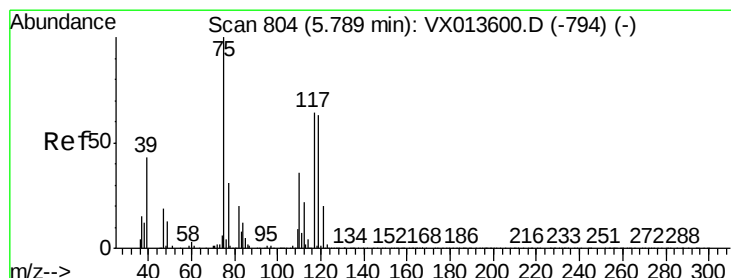
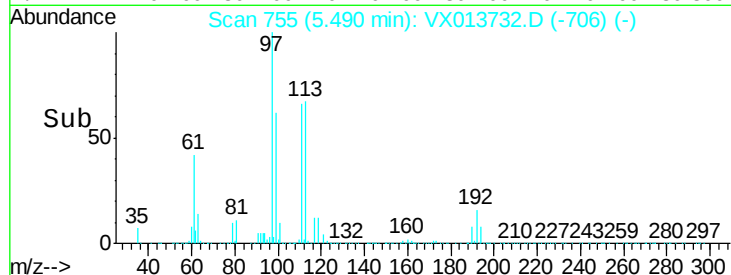
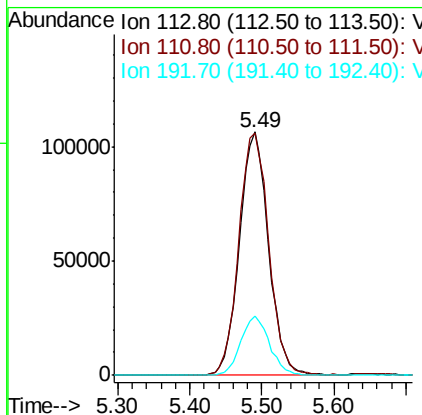
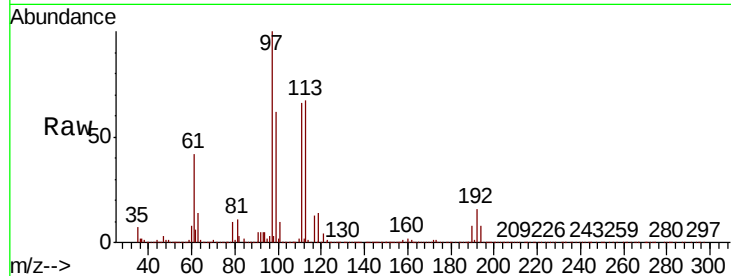
ClientSampled :

S39-0191MS

Tot Ion:	113	Resp:	297165
Ion Ratio	Lower	Upper	
113	100		
111	102.1	83.6	125.4
192	24.2	19.2	28.8

Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM



#36

1,1-Dichloropropene

Concen: 46.652 ug/l

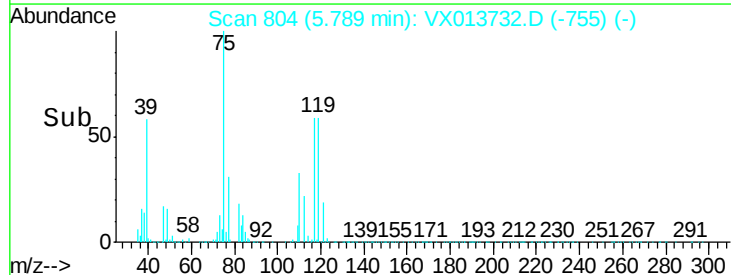
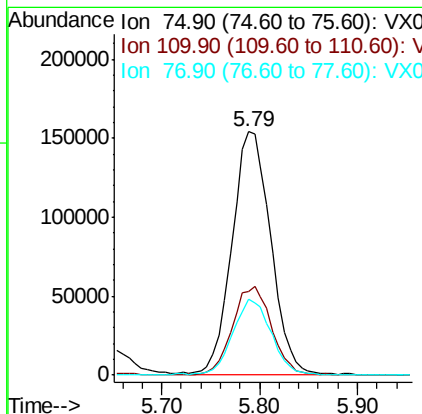
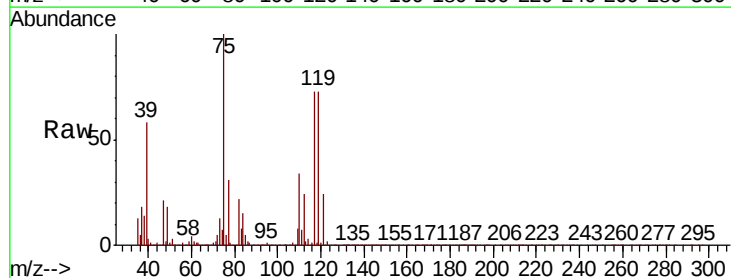
RT: 5.79 min Scan# 804

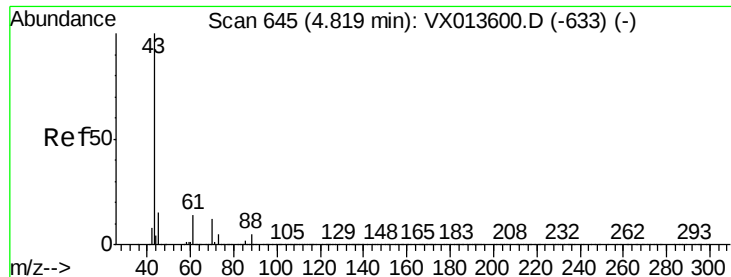
Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Tgt Ion:	75	Resp:	420385
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.1	54.1
77	30.6	24.5	36.7





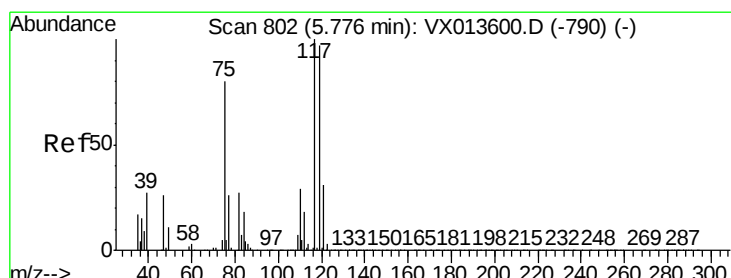
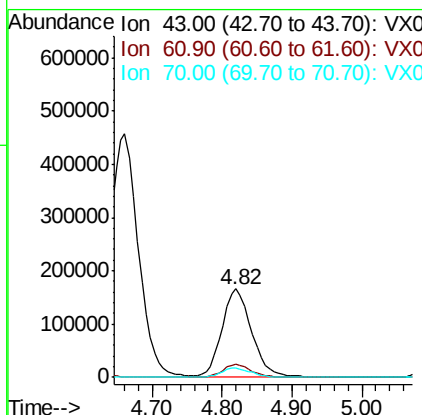
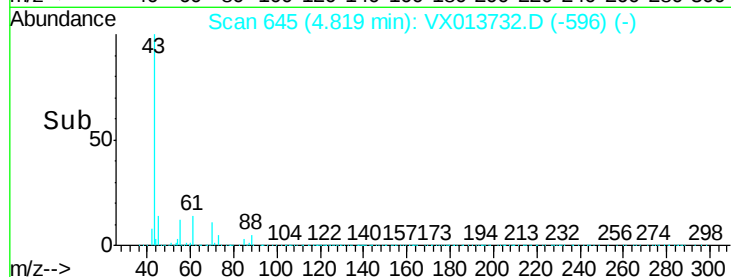
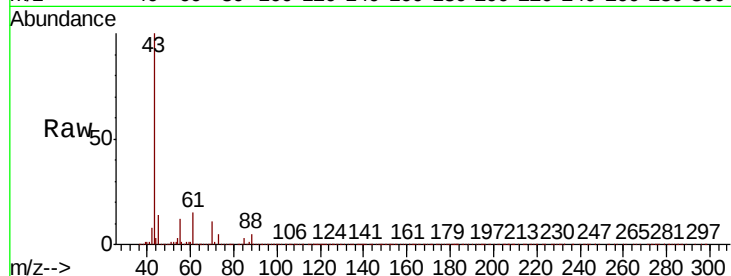
#37
Ethyl Acetate
Concen: 47.854 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.8	8.6	12.8

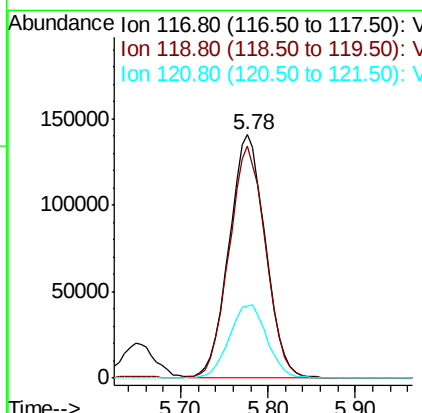
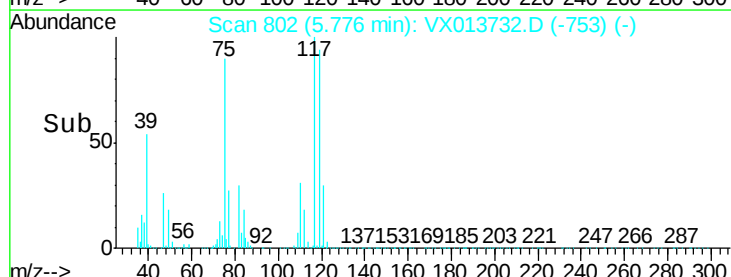
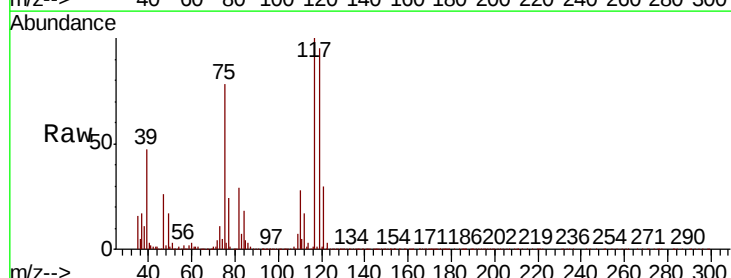
Manual Integrations
APPROVED

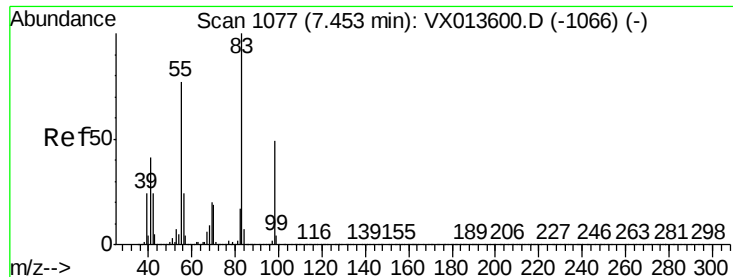
apatel
12/4/2019 1:52:25 PM



#38
Carbon Tetrachloride
Concen: 48.779 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.5	116.3
121	29.7	25.0	37.6





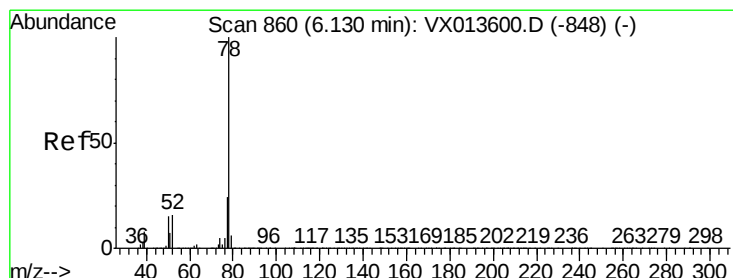
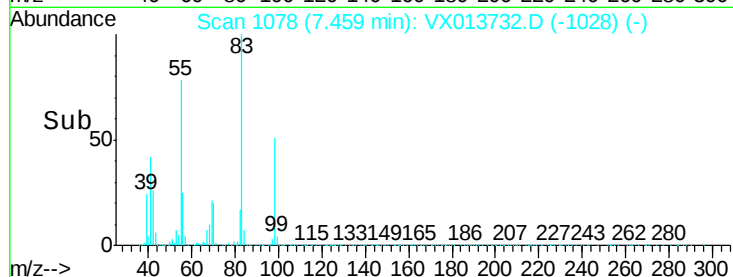
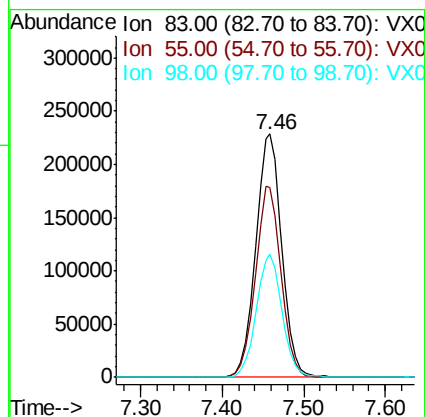
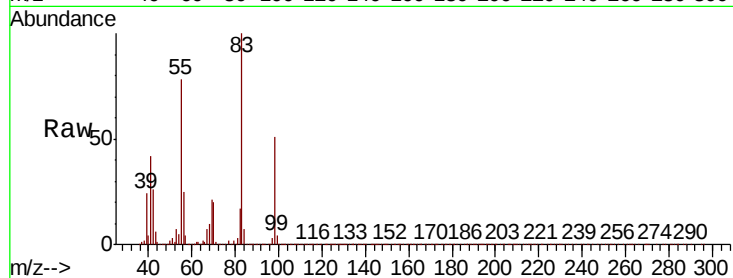
#39
Methvlcvclohexane
Concen: 45.612 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.9	92.9
98	50.5	39.4	59.0

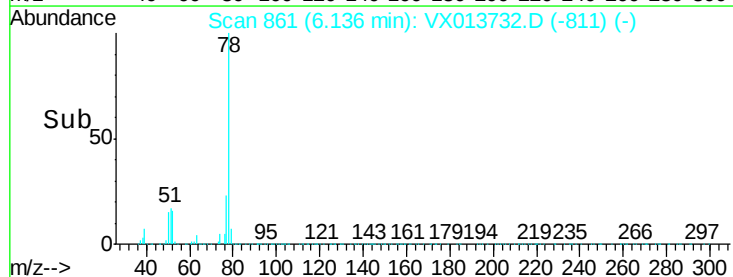
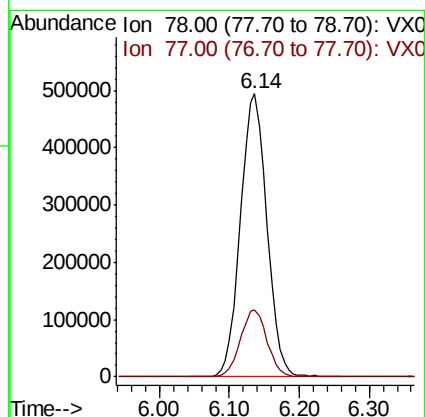
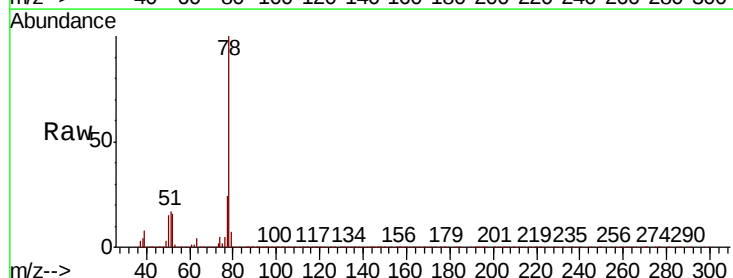
Manual Integrations
APPROVED

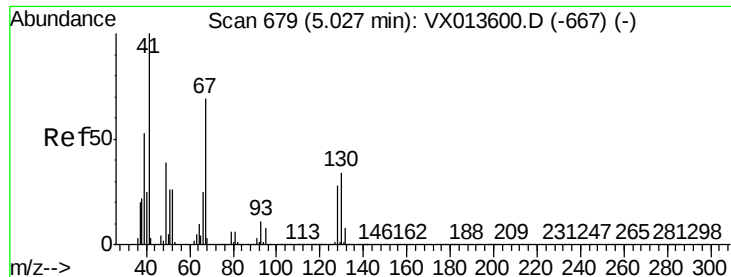
apatel
12/4/2019 1:52:25 PM



#40
Benzene
Concen: 47.371 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





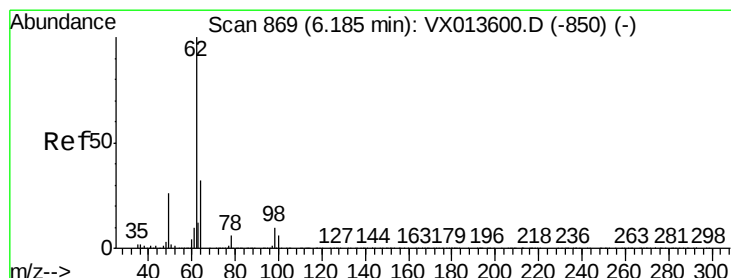
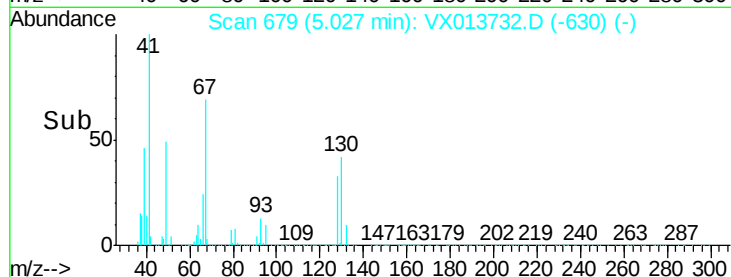
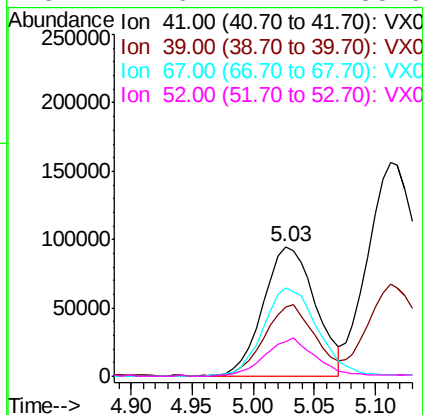
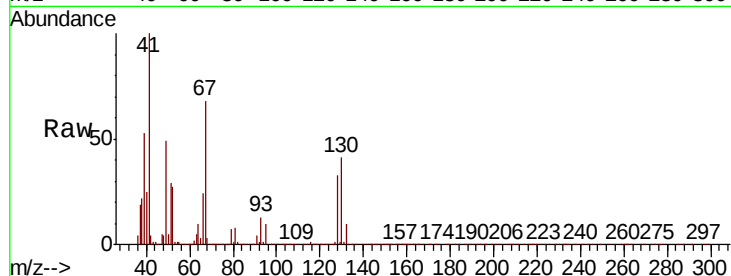
#41
Methacrylonitrile
Concen: 50.709 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.2	42.9	64.3
67	71.0	57.4	86.0
52	27.6	22.4	33.6

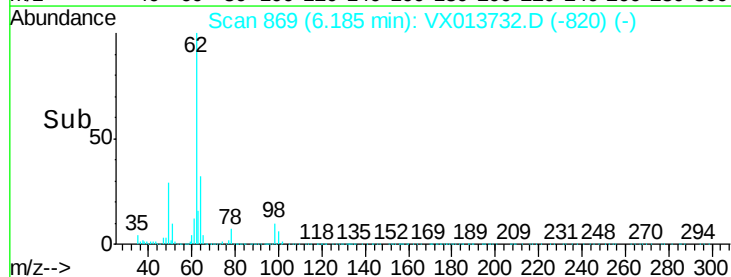
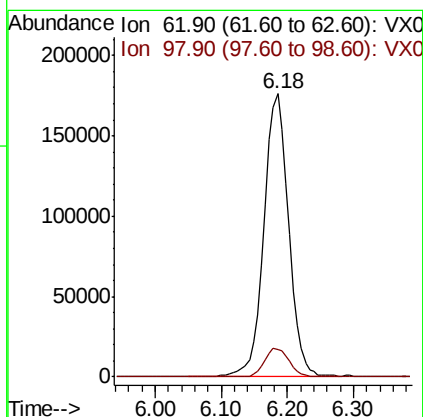
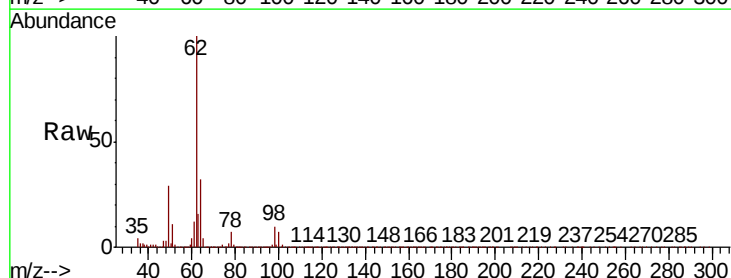
Manual Integrations
APPROVED

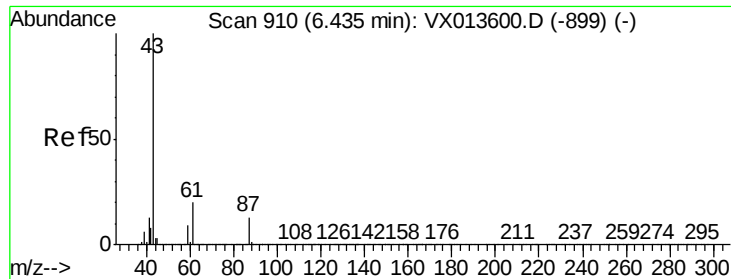
apatel
12/4/2019 1:52:25 PM



#42
1,2-Dichloroethane
Concen: 48.942 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.8





#43

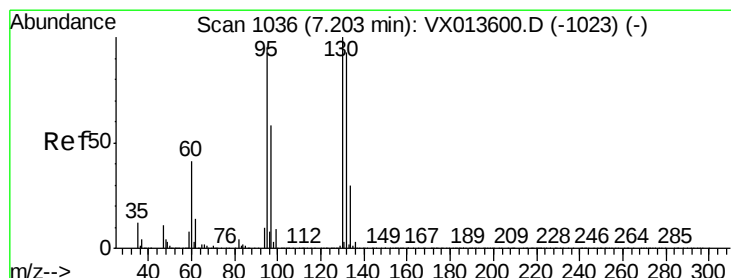
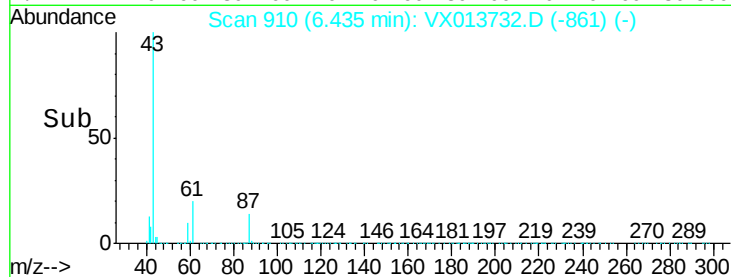
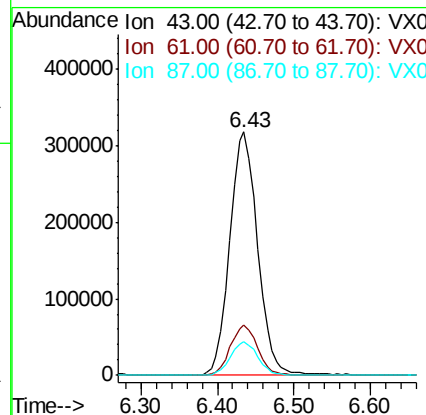
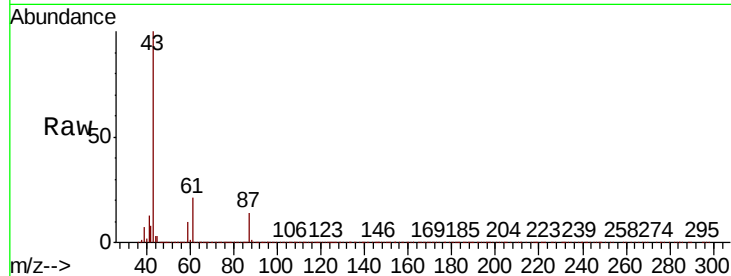
Isopropyl Acetate
 Concen: 47.788 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.3	24.5
87	13.5	10.8	16.2

Manual Integrations
 APPROVED

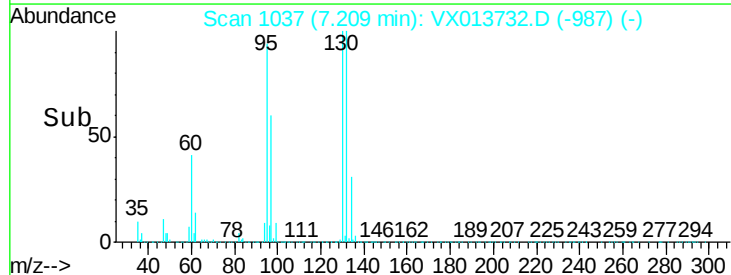
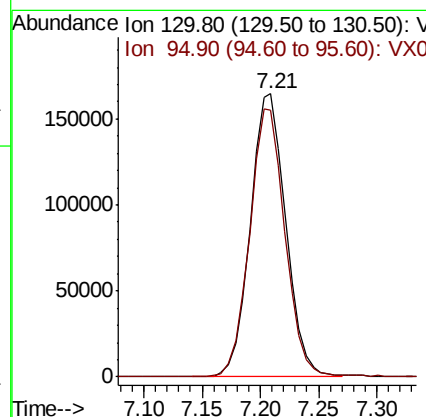
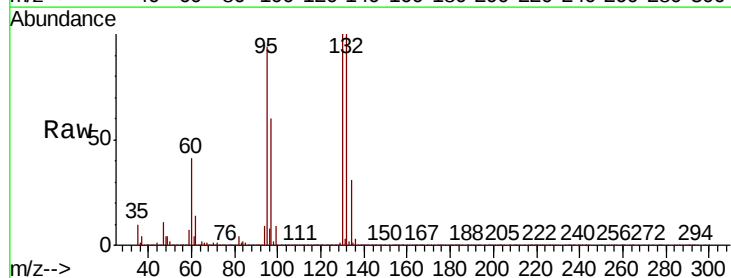
apatel
 12/4/2019 1:52:25 PM



#44

Trichloroethene
 Concen: 46.397 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	190.8





#45

1,2-Dichloropropane

Concen: 48.833 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

S39-0191MS

Tot Ion: 63 Resp: 335315

Ion Ratio Lower Upper

63 100

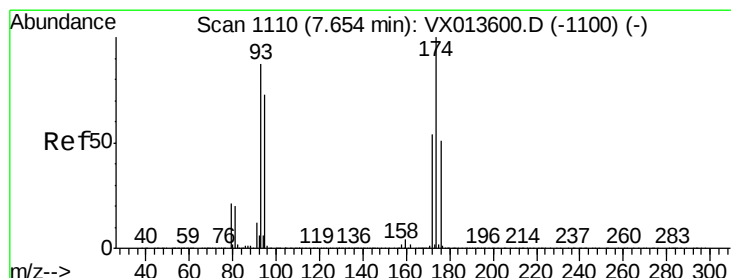
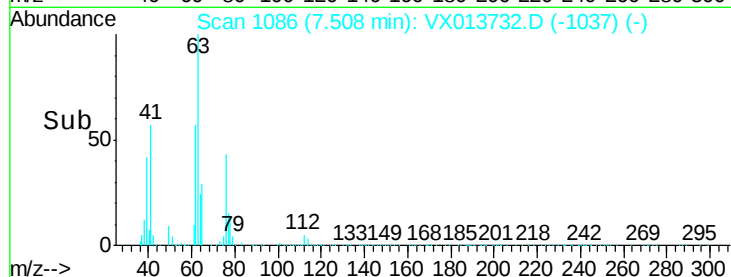
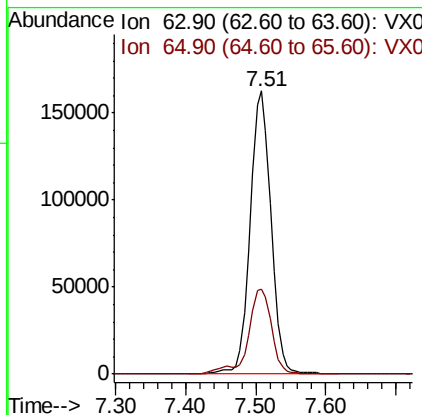
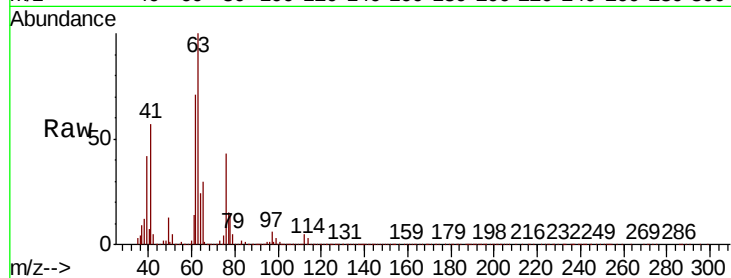
65 30.1 25.5 38.3

Manual Integrations

APPROVED

apatel

12/4/2019 1:52:25 PM



#46

Dibromomethane

Concen: 47.064 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

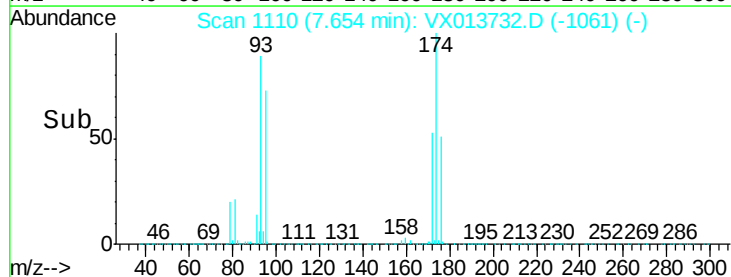
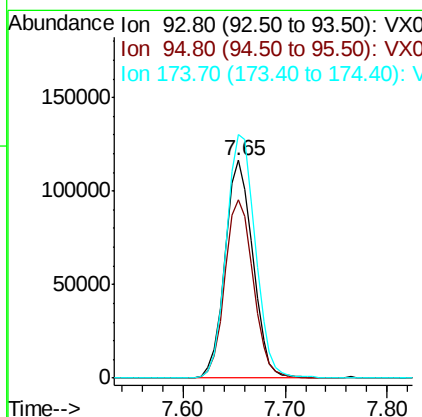
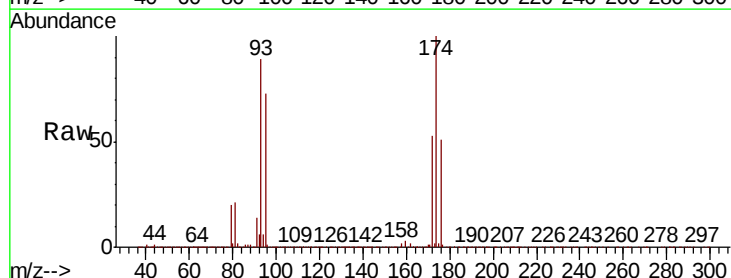
Tgt Ion: 93 Resp: 219489

Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.2

174 117.3 93.4 140.0





#47

Bromodichloromethane

Concen: 49.148 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

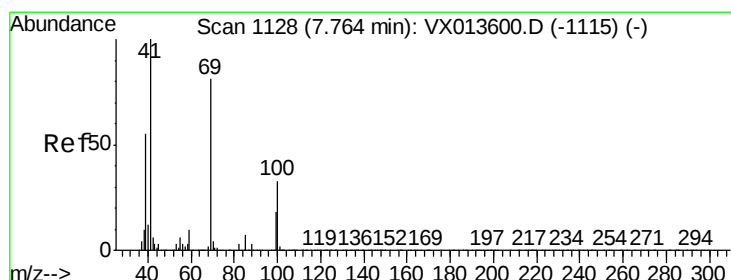
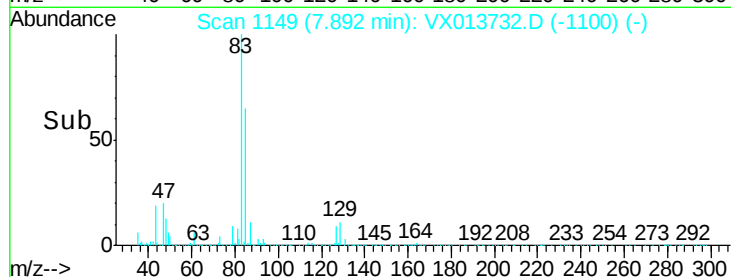
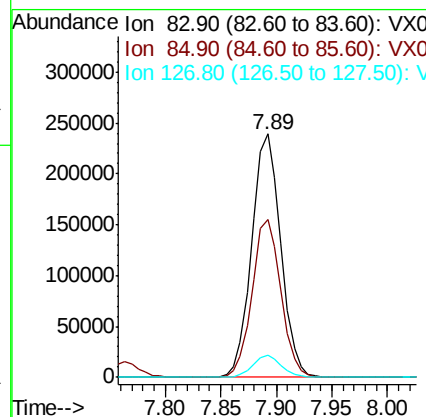
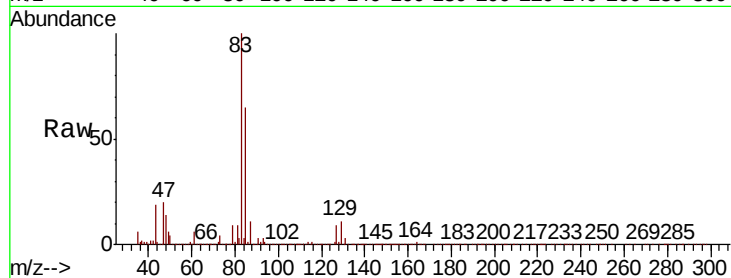
ClientSampleId :

S39-0191MS

Tot Ion:	83	Resp:	433305
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.1	78.1
127	8.9	7.0	10.4

Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM



#48

Methyl methacrylate

Concen: 50.268 ug/l

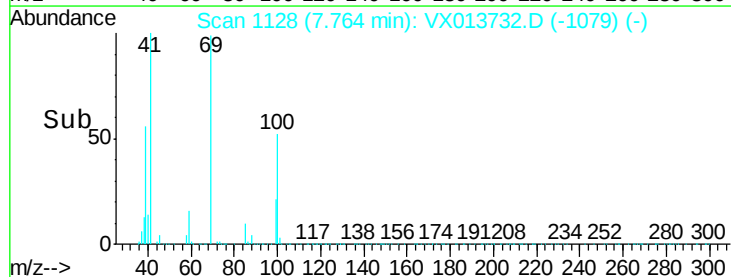
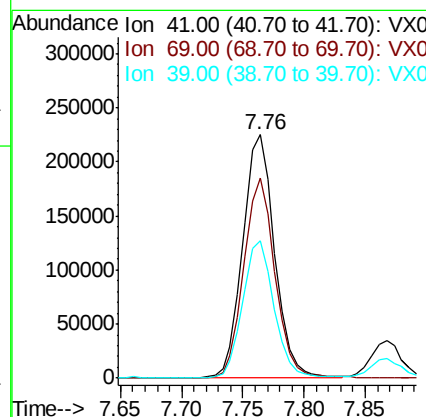
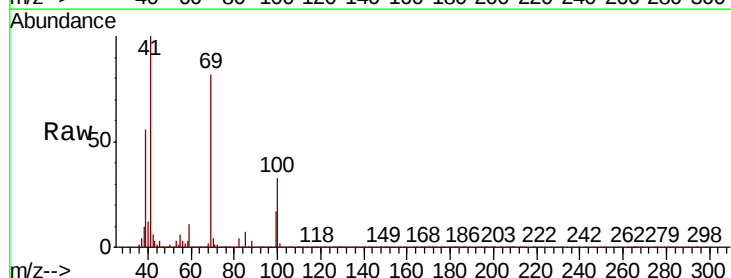
RT: 7.76 min Scan# 1128

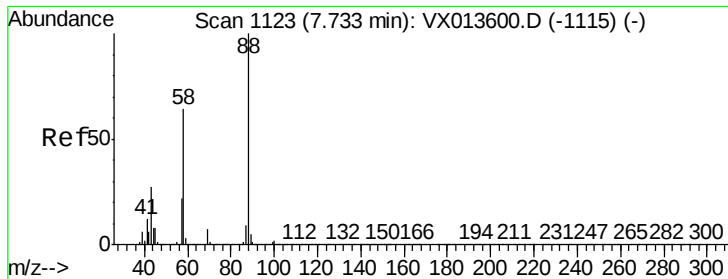
Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Tgt Ion:	41	Resp:	406481
Ion Ratio	Lower	Upper	
41	100		
69	81.2	64.7	97.1
39	55.5	43.8	65.6





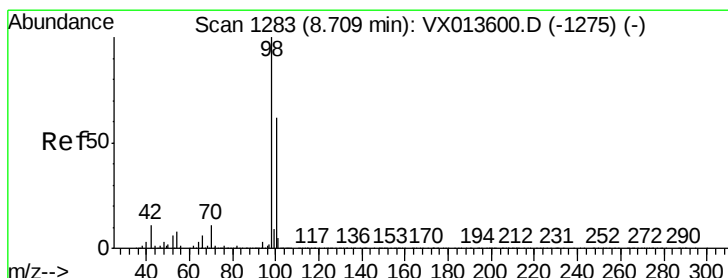
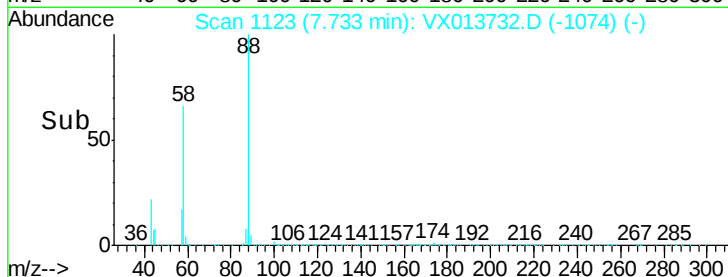
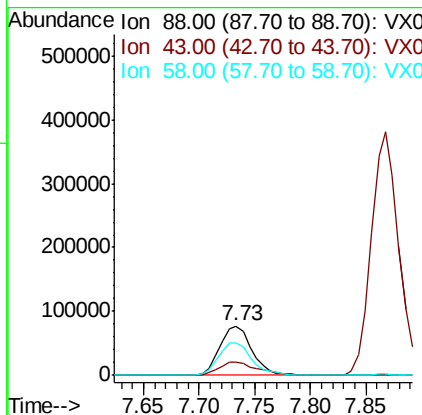
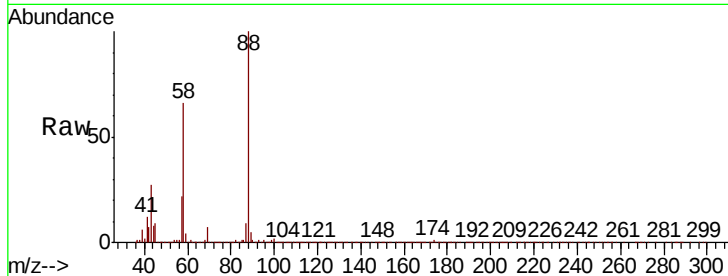
#49
1,4-Dioxane
Concen: 840.978 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.8	38.6
58	69.6	54.6	82.0

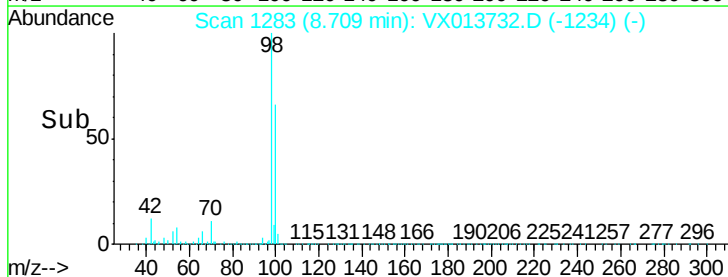
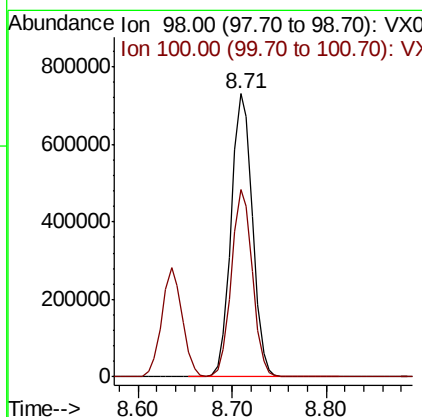
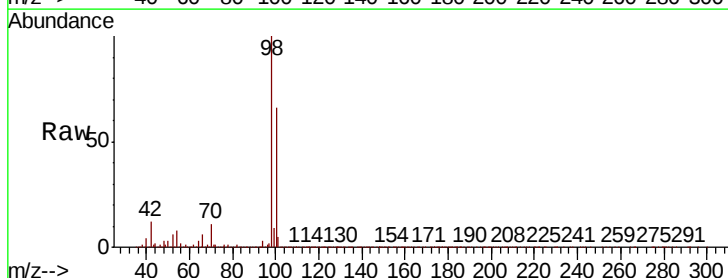
Manual Integrations
APPROVED

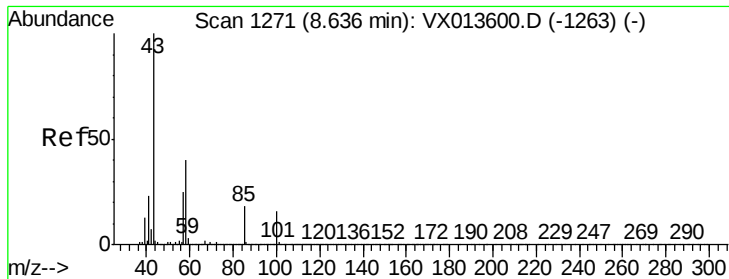
apatel
12/4/2019 1:52:25 PM



#50
Toluene-d8
Concen: 47.980 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 244.795 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

S39-0191MS

Tot Ion: 43 Resp: 2562652

Ion Ratio Lower Upper

43 100

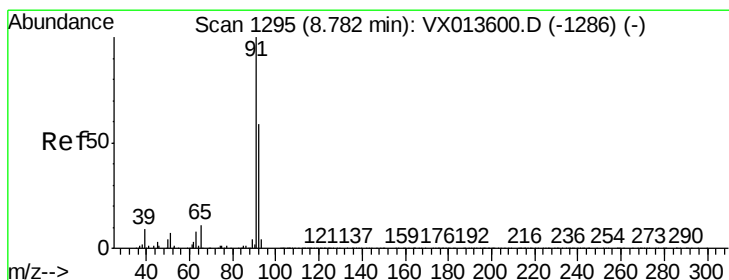
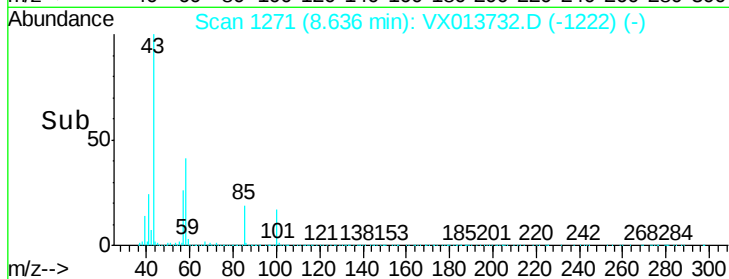
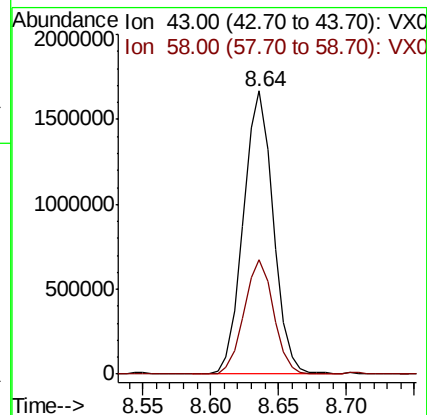
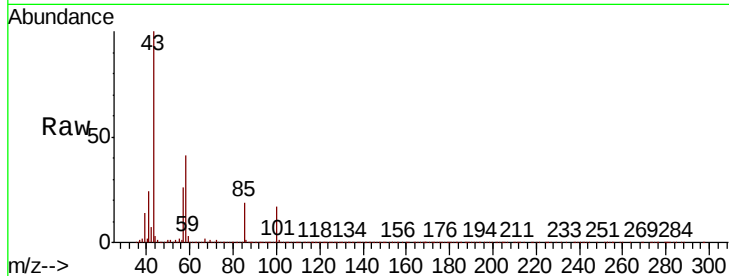
58 40.1 32.1 48.1

Manual Integrations

APPROVED

apatel

12/4/2019 1:52:25 PM



#52

Toluene

Concen: 47.609 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013732.D

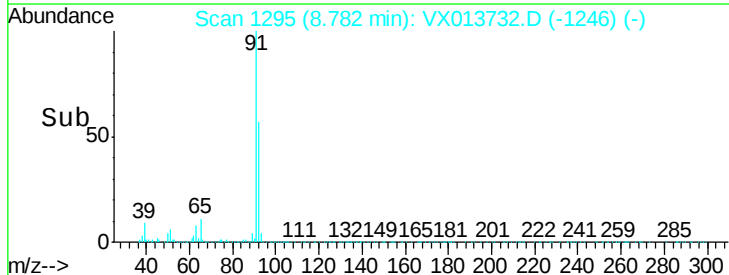
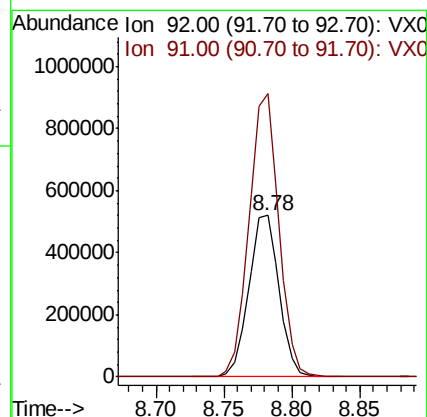
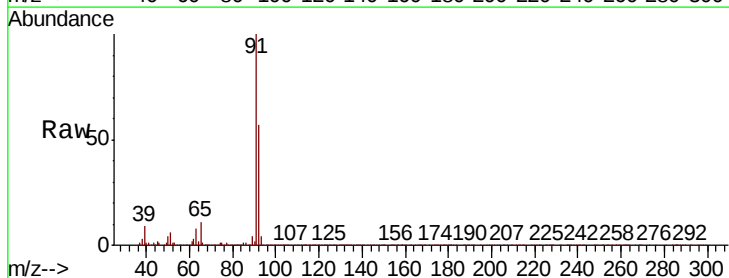
Acq: 03 Dec 2019 18:08

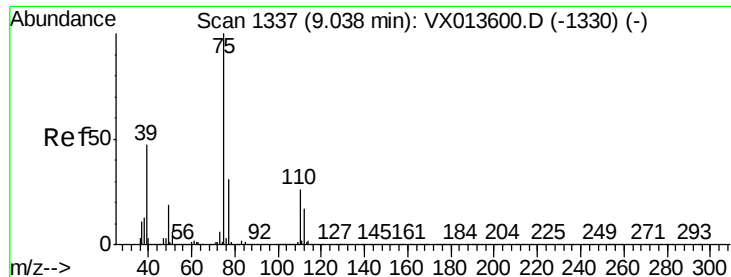
Tgt Ion: 92 Resp: 811709

Ion Ratio Lower Upper

92 100

91 172.4 136.2 204.2





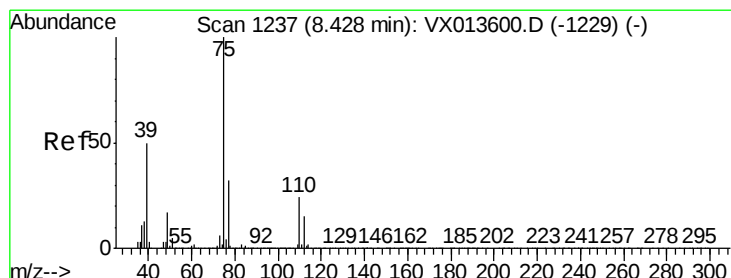
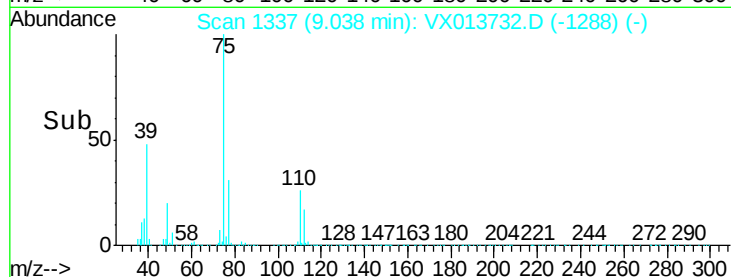
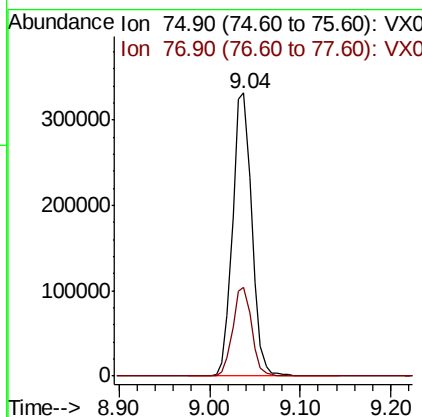
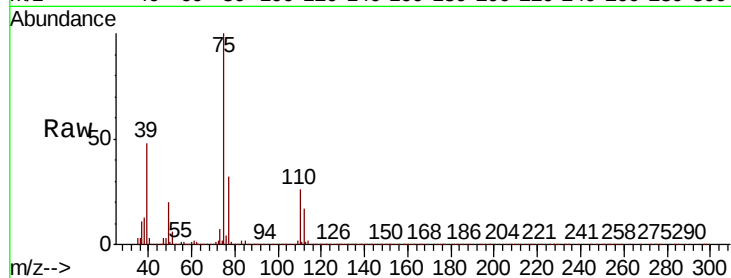
#53
t-1,3-Dichloropropene
Concen: 48.859 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.4	36.6

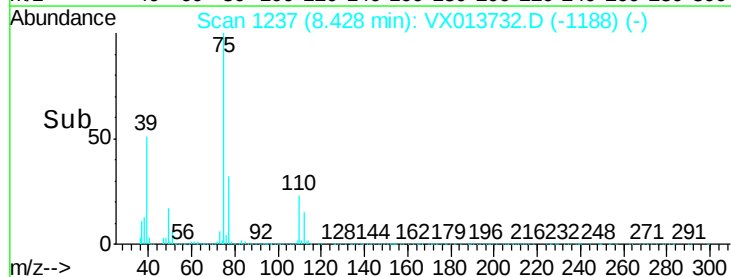
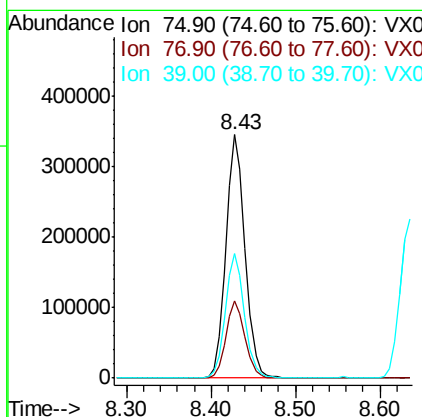
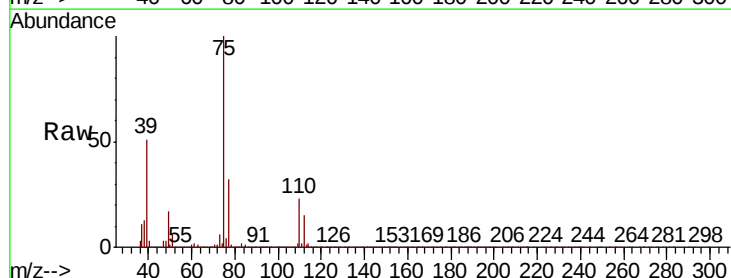
Manual Integrations
APPROVED

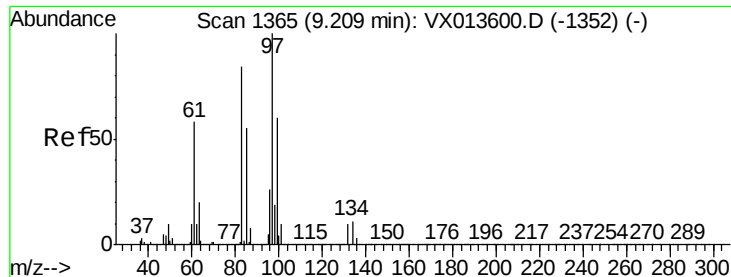
apatel
12/4/2019 1:52:25 PM



#54
cis-1,3-Dichloropropene
Concen: 49.042 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6
39	50.9	39.9	59.9





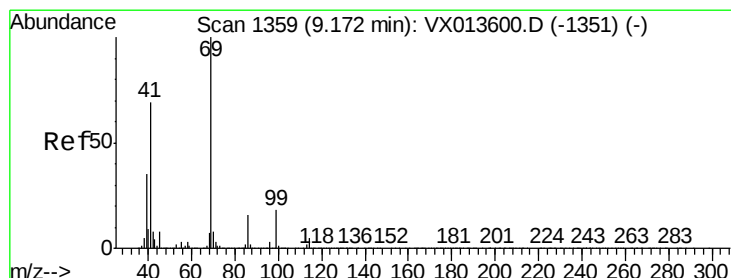
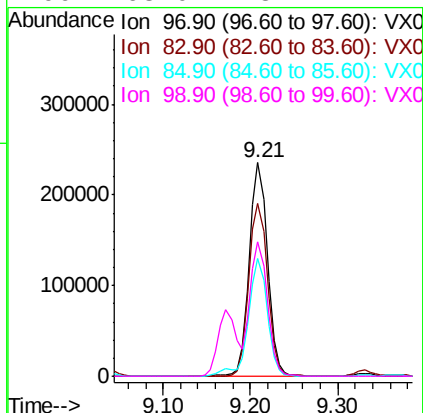
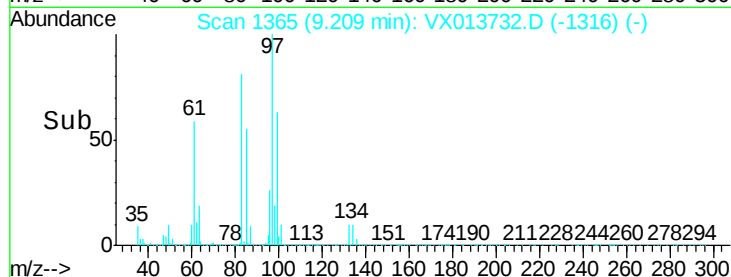
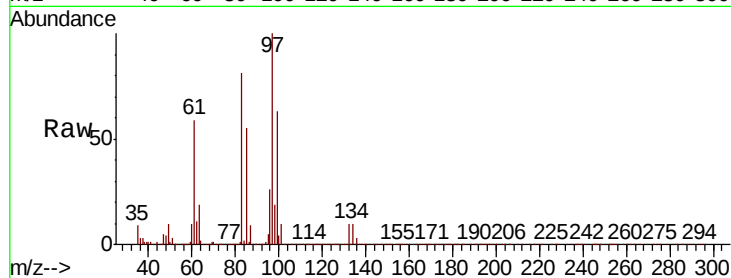
#55
 1,1,2-Trichloroethane
 Concen: 49.193 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		337987		
83	80.7	67.3	100.9		
85	54.8	43.6	65.4		
99	63.0	48.2	72.4		

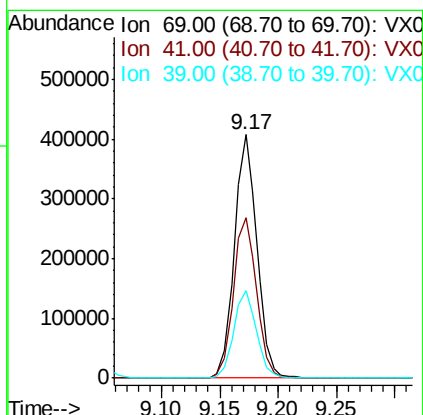
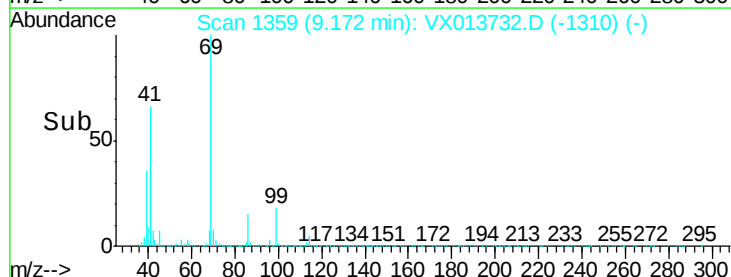
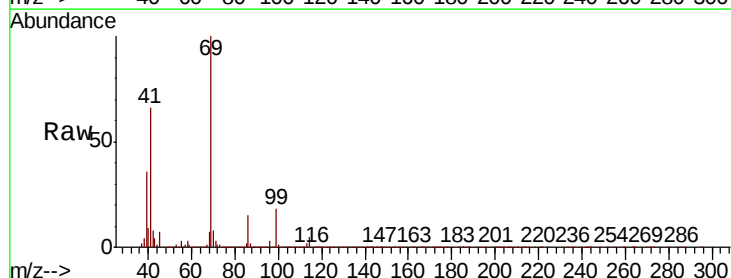
Manual Integrations
 APPROVED

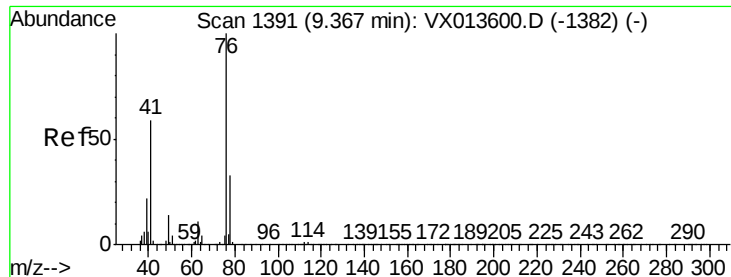
apatel
 12/4/2019 1:52:25 PM



#56
 Ethyl methacrylate
 Concen: 49.863 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		550798		
41	67.5	55.0	82.4		
39	35.9	28.7	43.1		





#57

1,3-Dichloropropane

Concen: 47.585 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

S39-0191MS

Tot Ion: 76 Resp: 563538

Ion Ratio Lower Upper

76 100

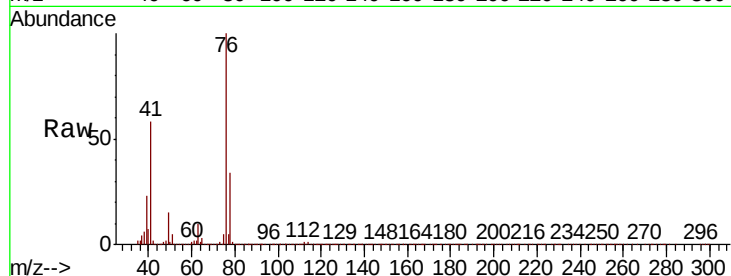
78 32.9 26.0 39.0

Manual Integrations

APPROVED

apatel

12/4/2019 1:52:25 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

400000

300000

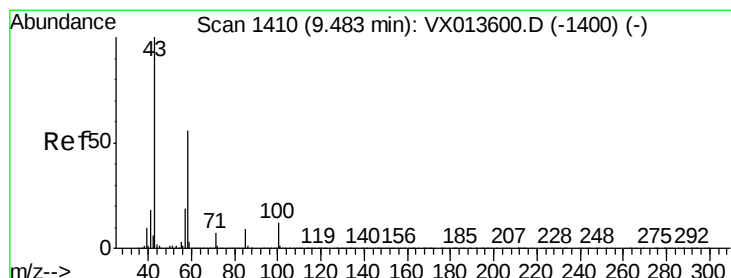
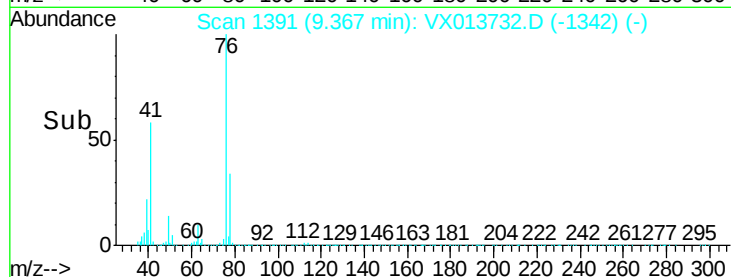
200000

100000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 240.478 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX013732.D

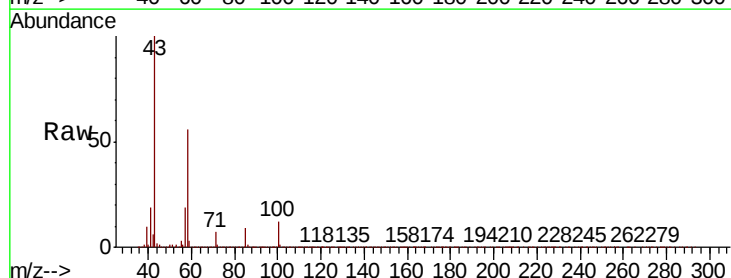
Acq: 03 Dec 2019 18:08

Tgt Ion: 43 Resp: 1963432

Ion Ratio Lower Upper

43 100

58 55.4 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.48

1500000

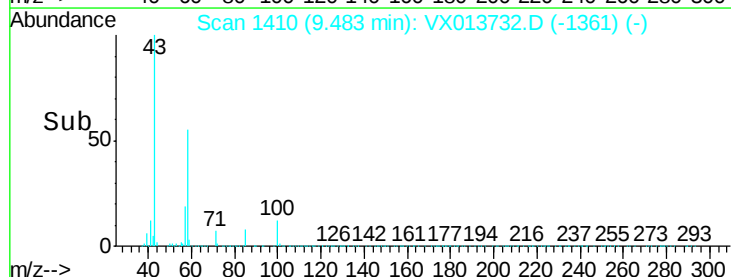
1000000

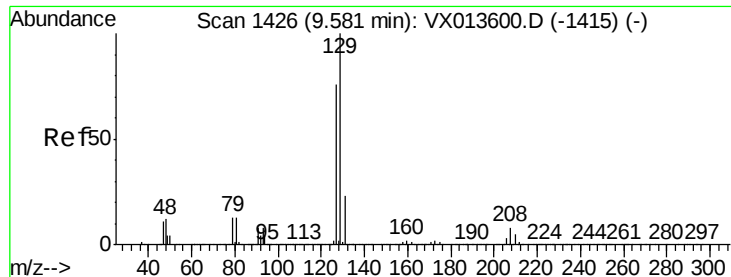
500000

0

9.40 9.50 9.60

Time-->





#60

Dibromochloromethane

Concen: 49.461 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

S39-0191MS

Tot Ion:129 Resp: 352675

Ion Ratio Lower Upper

129 100

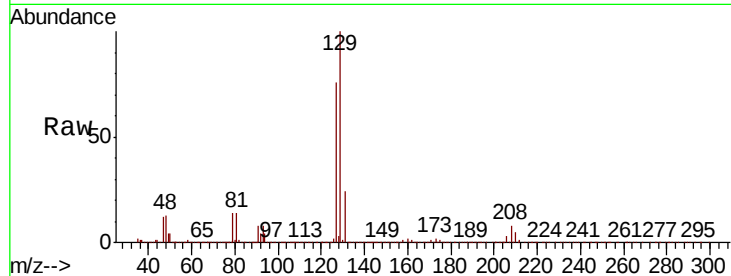
127 77.6 38.5 115.5

Manual Integrations

APPROVED

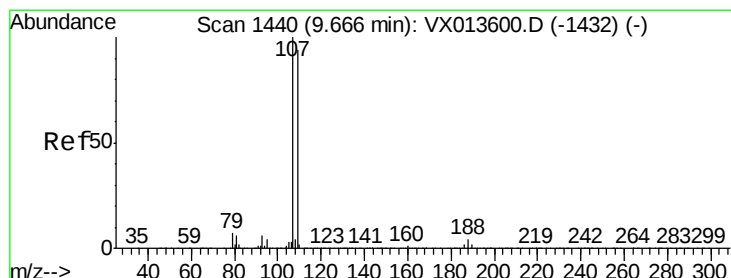
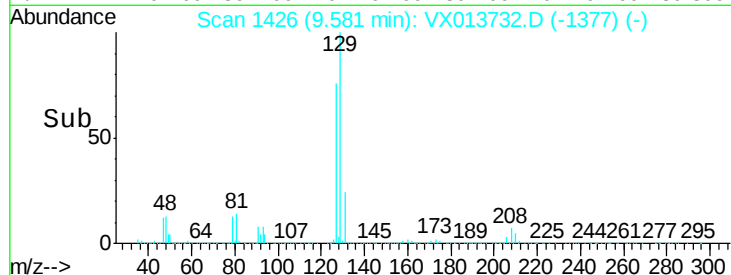
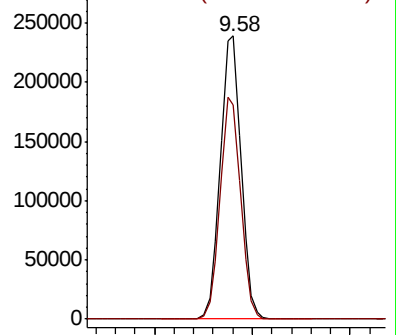
apatel

12/4/2019 1:52:25 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.081 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013732.D

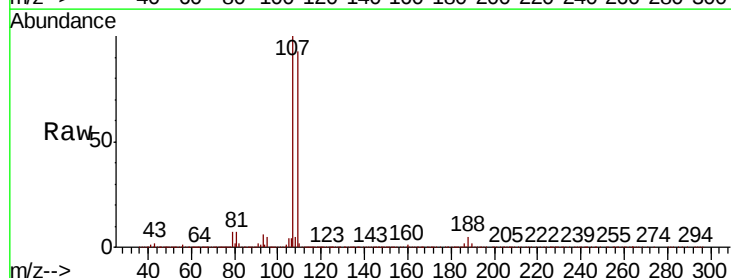
Acq: 03 Dec 2019 18:08

Tgt Ion:107 Resp: 352825

Ion Ratio Lower Upper

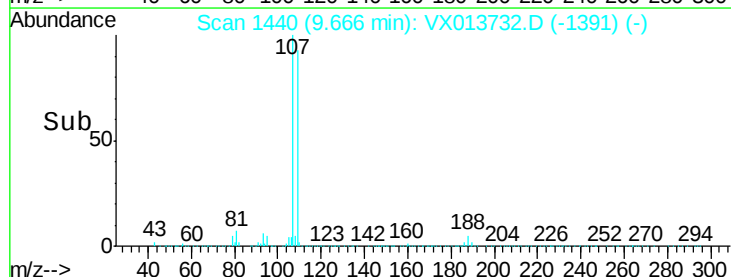
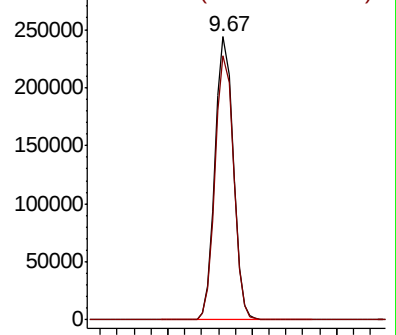
107 100

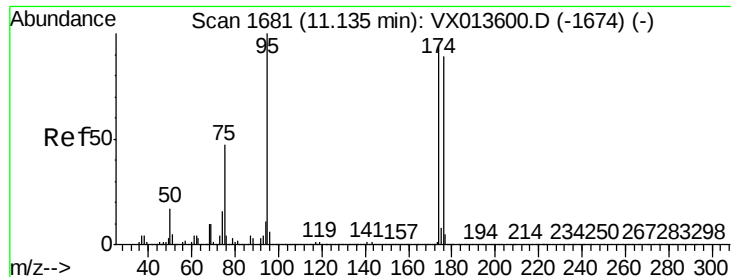
109 94.4 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 46.941 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

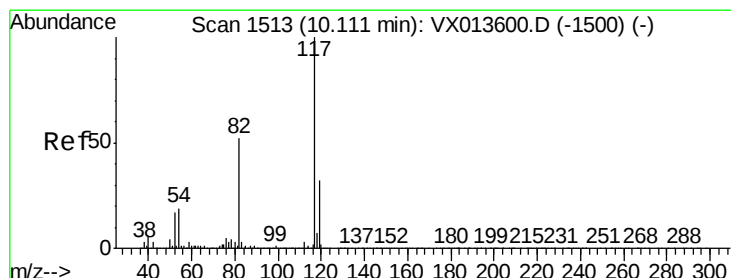
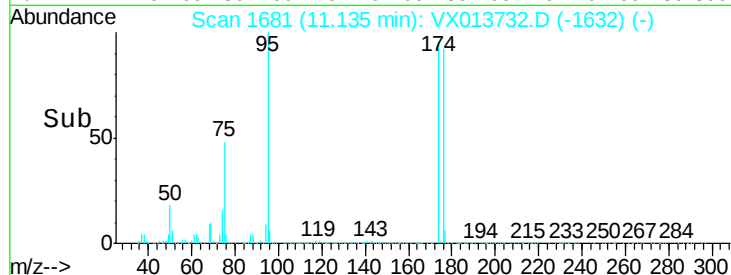
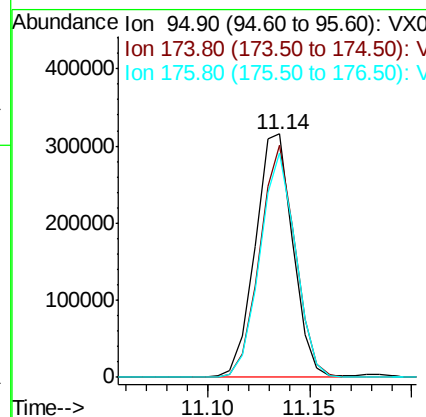
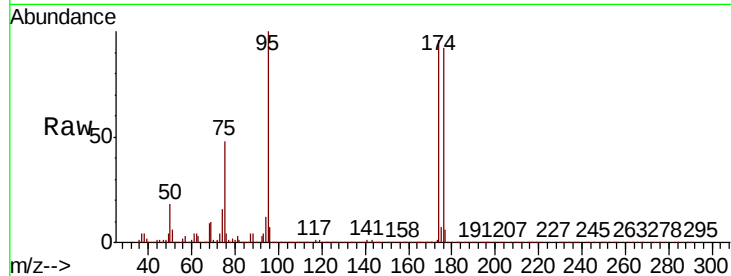
ClientSampleId :

S39-0191MS

Tot Ion:	95	Resp:	404725
Ion Ratio	Lower	Upper	
95	100		
174	90.1	0.0	180.0
176	88.0	0.0	173.6

Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

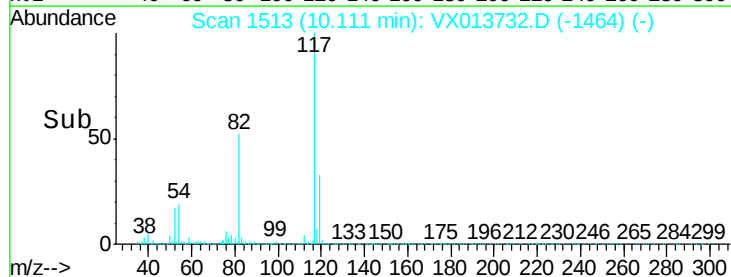
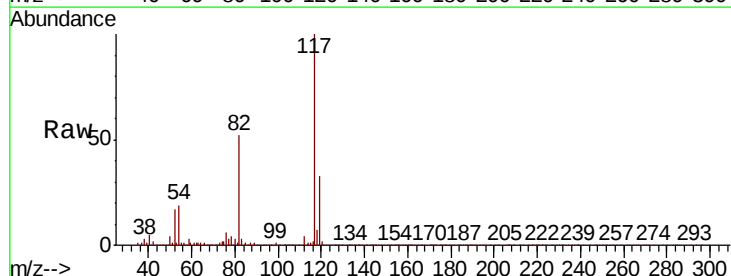
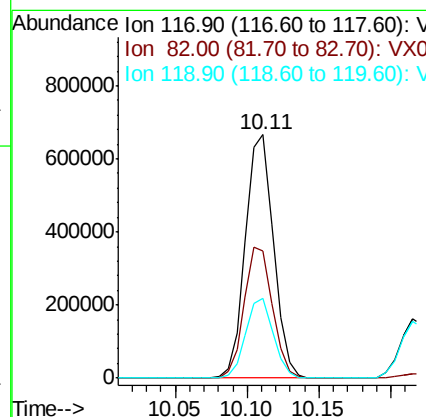
RT: 10.11 min Scan# 1513

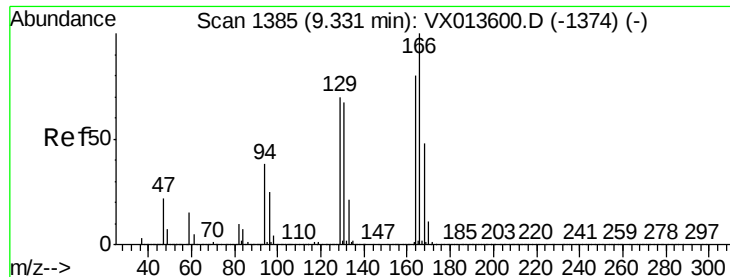
Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Tgt Ion:	117	Resp:	902172
Ion Ratio	Lower	Upper	
117	100		
82	52.2	41.8	62.8
119	32.5	25.8	38.8





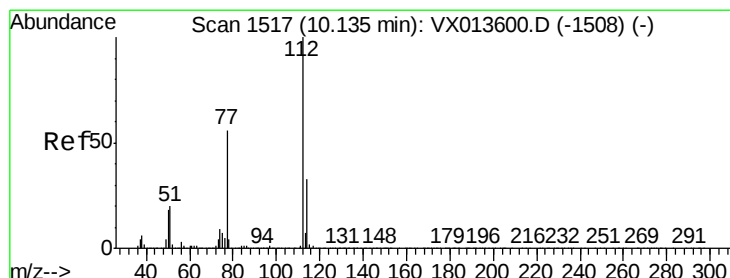
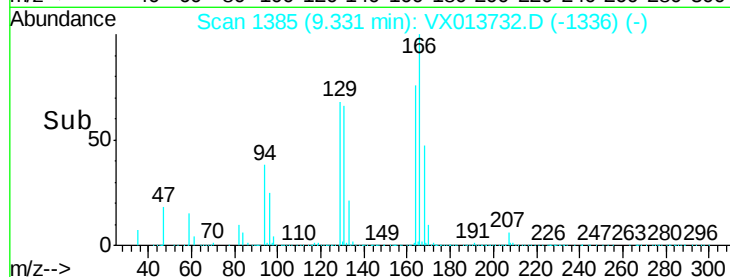
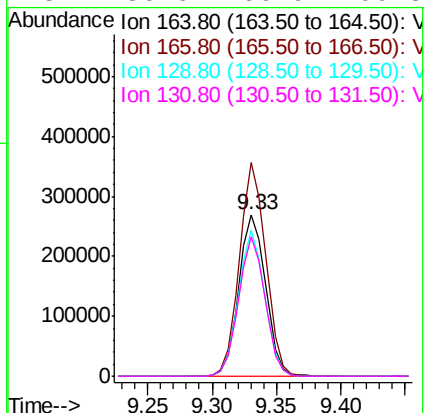
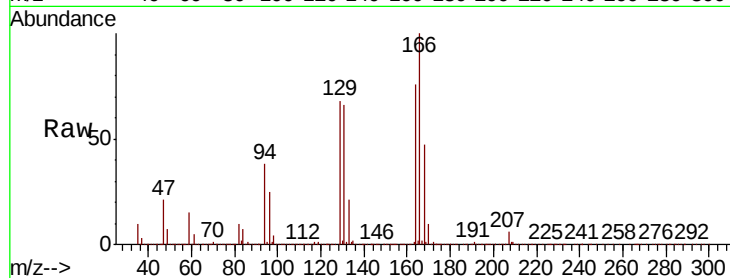
#64
Tetrachloroethene
Concen: 57.904 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	132.0	99.7	149.5	
129	90.3	70.1	105.1	
131	86.6	66.9	100.3	

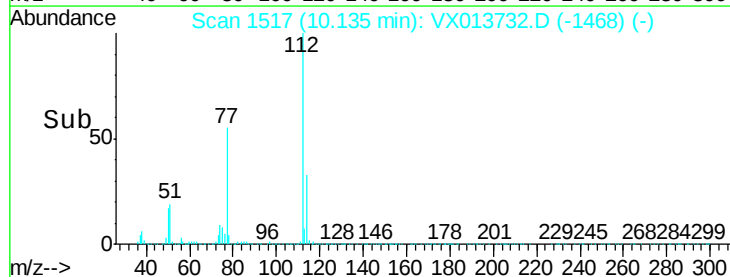
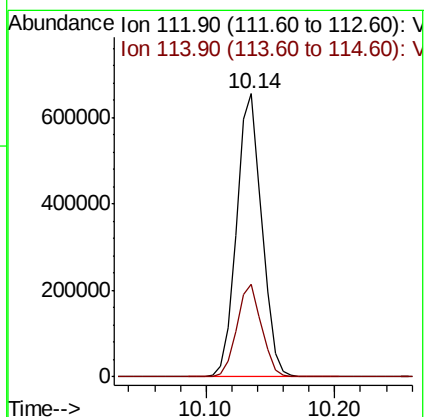
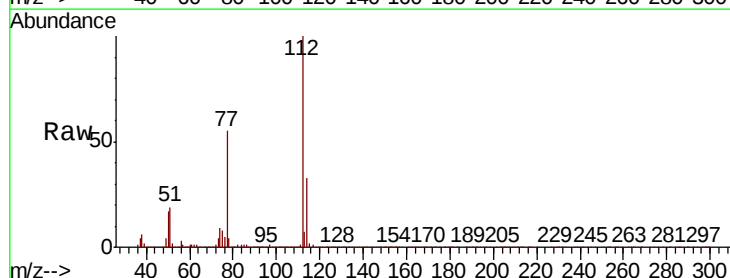
Manual Integrations
APPROVED

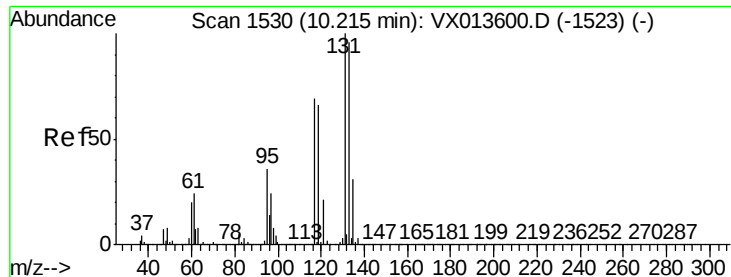
apatel
12/4/2019 1:52:25 PM



#65
Chlorobenzene
Concen: 47.525 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.5	26.1	39.1	





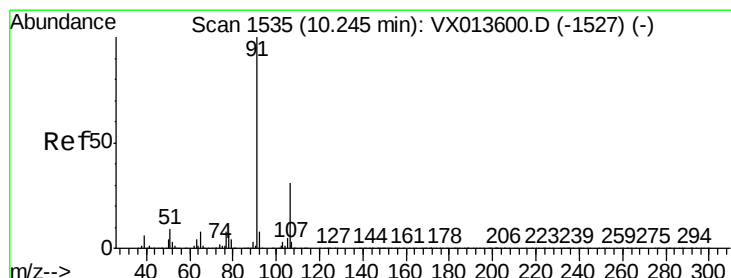
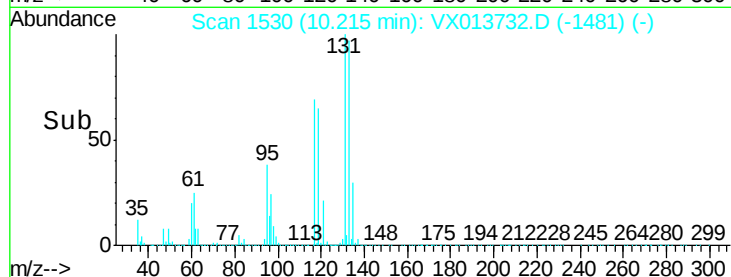
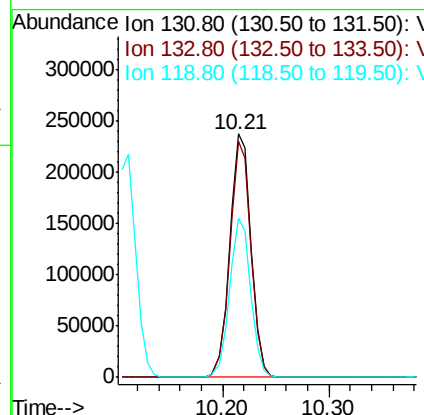
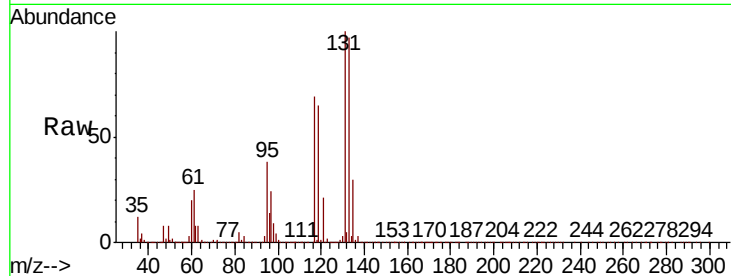
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.292 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.7	143.1
119	64.8	32.9	98.6

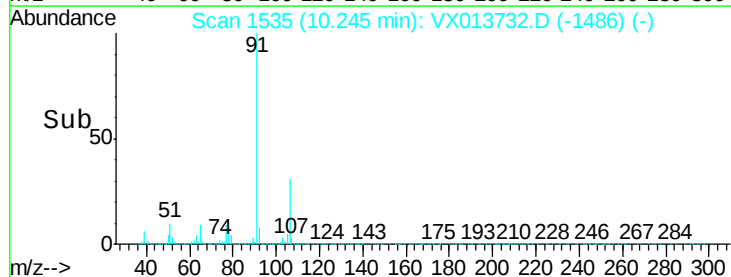
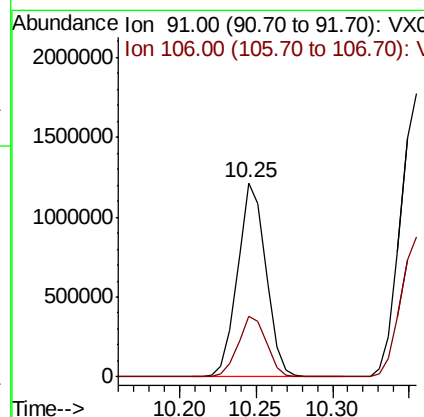
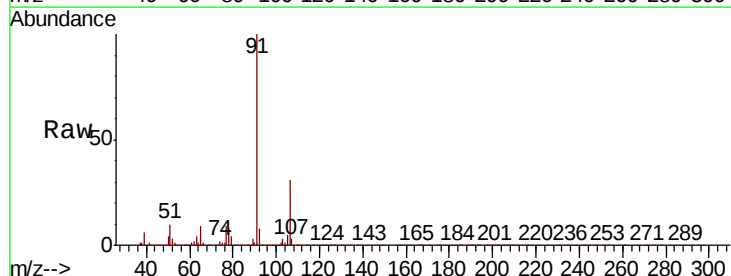
Manual Integrations
 APPROVED

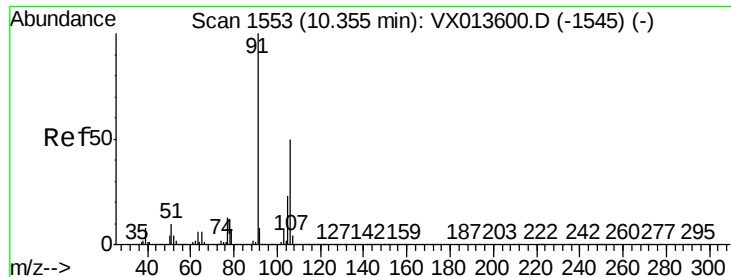
apatel
 12/4/2019 1:52:25 PM



#67
 Ethyl Benzene
 Concen: 48.375 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.5	36.7





#68

m/p-Xylenes

Concen: 95.618 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

S39-0191MS

Tot Ion:106 Resp: 1178298

Ion Ratio Lower Upper

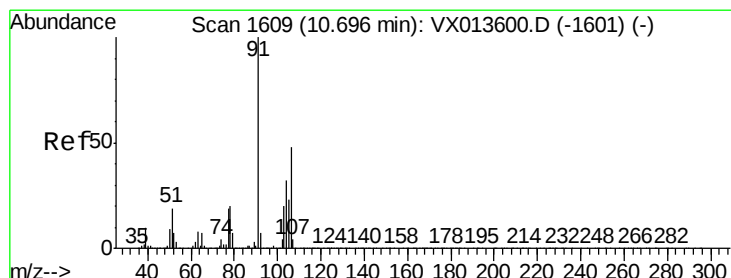
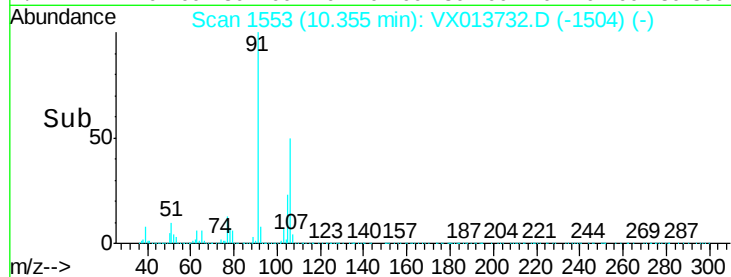
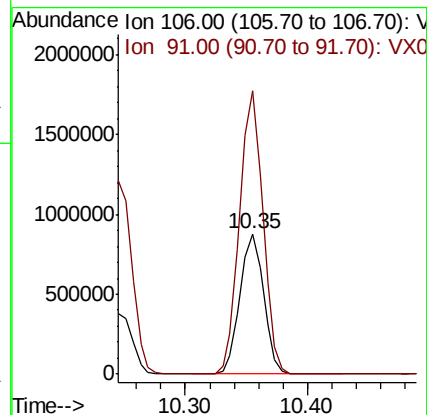
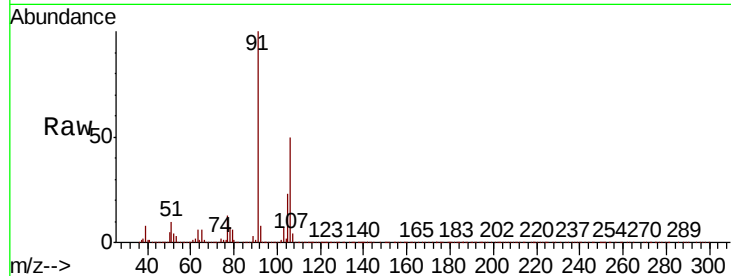
106 100

91 198.5 159.0 238.4

Manual Integrations
APPROVED

apatel

12/4/2019 1:52:25 PM



#69

o-Xylene

Concen: 48.005 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013732.D

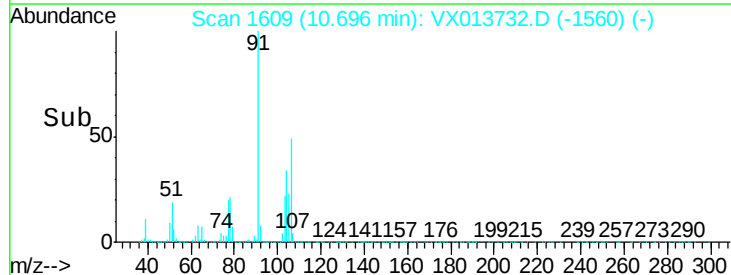
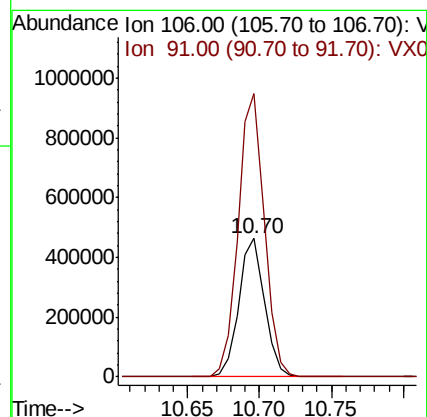
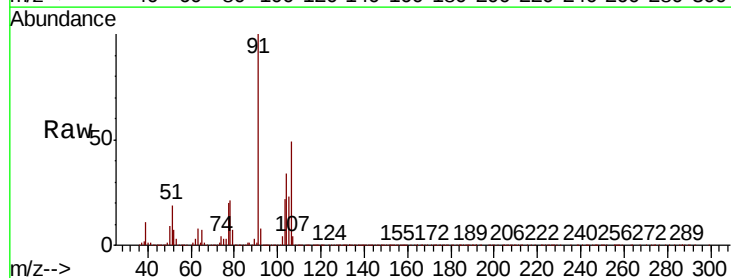
Acq: 03 Dec 2019 18:08

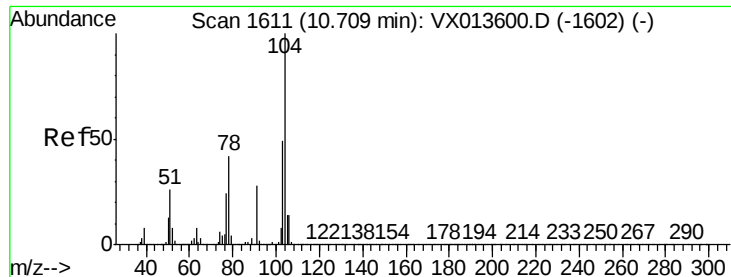
Tgt Ion:106 Resp: 576954

Ion Ratio Lower Upper

106 100

91 208.4 104.1 312.2





#70

Stvrene

Concen: 48.579 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

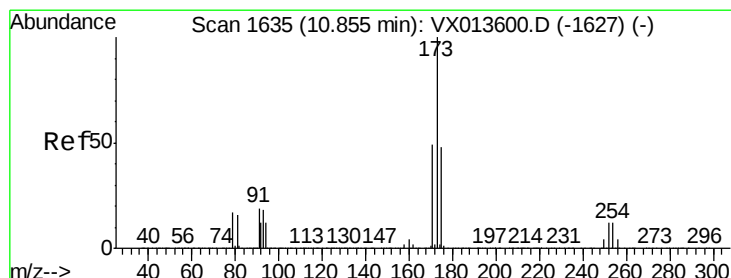
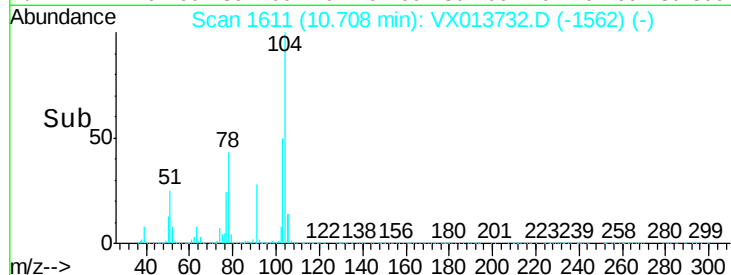
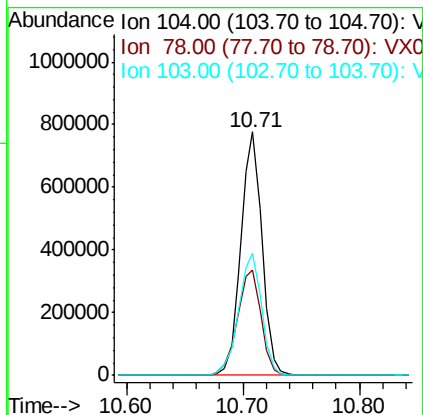
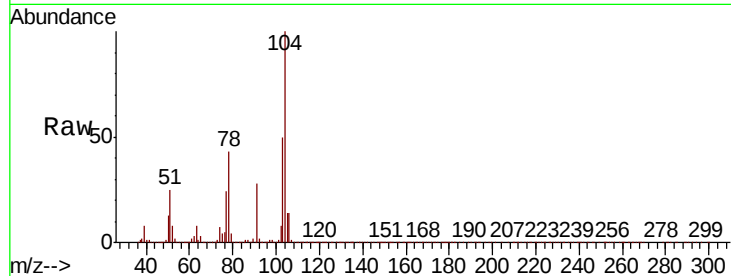
ClientSampleId :

S39-0191MS

Tot Ion:	104	Resp:	982139
Ion Ratio	Lower	Upper	
104	100		
78	48.6	38.5	57.7
103	54.7	43.7	65.5

Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM



#71

Bromoform

Concen: 49.904 ug/l

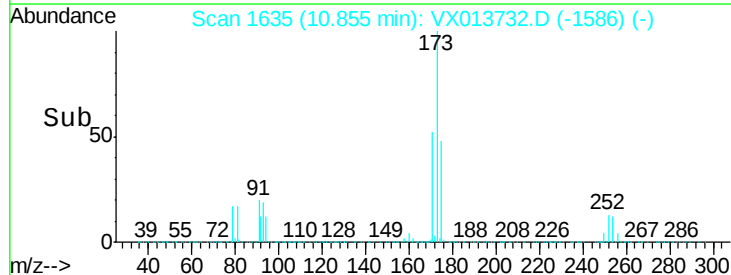
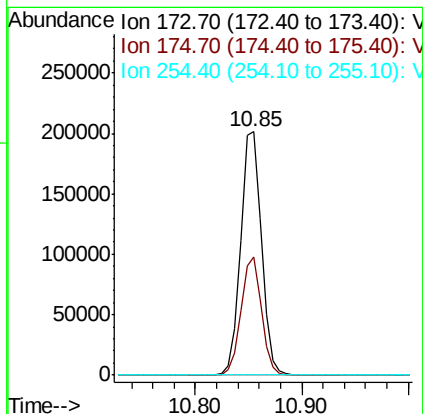
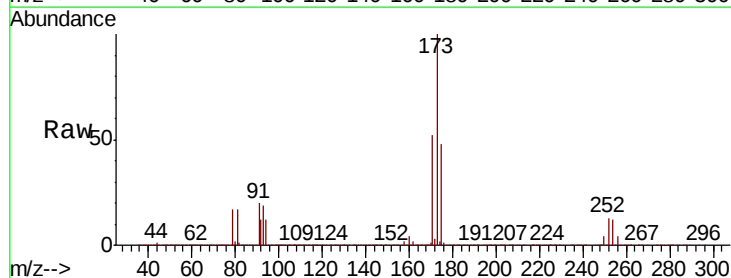
RT: 10.85 min Scan# 1635

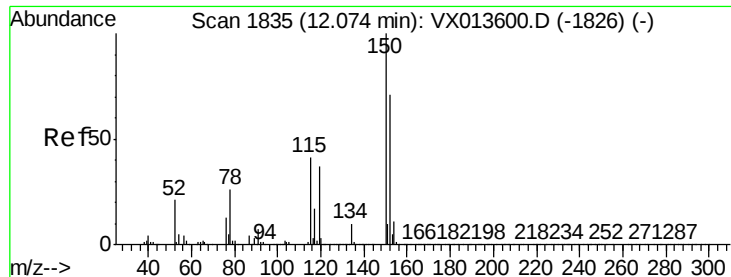
Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Tgt Ion:	173	Resp:	277731
Ion Ratio	Lower	Upper	
173	100		
175	47.4	24.3	72.8
254	0.2	0.2	0.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

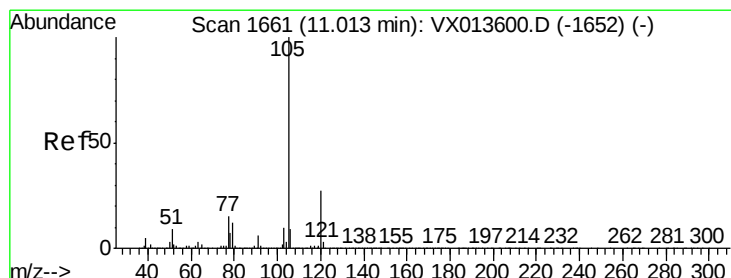
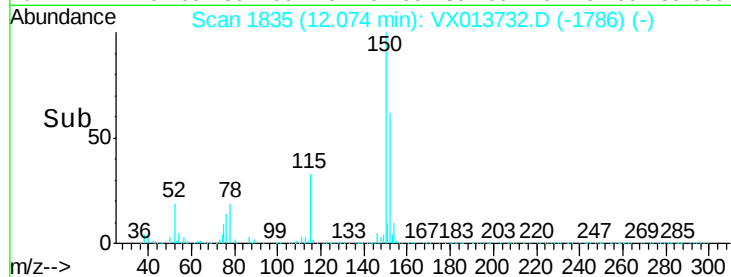
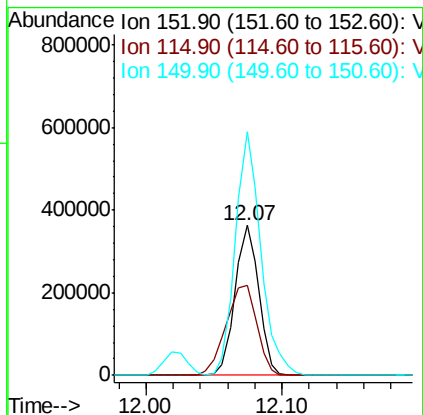
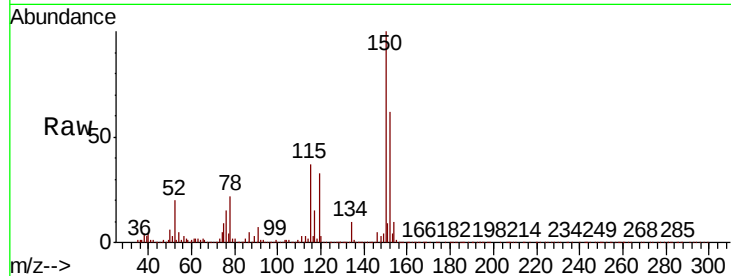
ClientSampleId :

S39-0191MS

Tot Ion:	152	Resp:	442284
Ion Ratio	Lower	Upper	
152	100		
115	77.3	38.4	115.1
150	174.4	0.0	346.8

Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM



#73

Isopropylbenzene

Concen: 49.009 ug/l

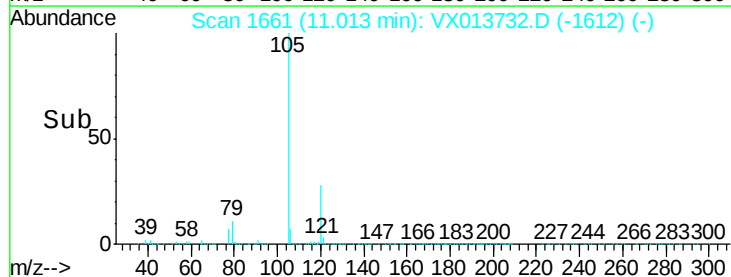
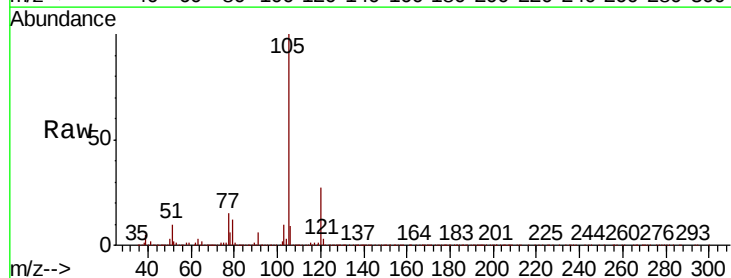
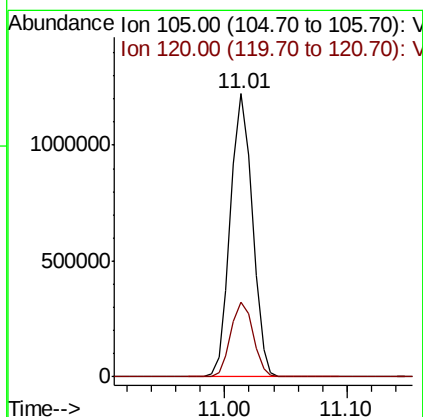
RT: 11.01 min Scan# 1661

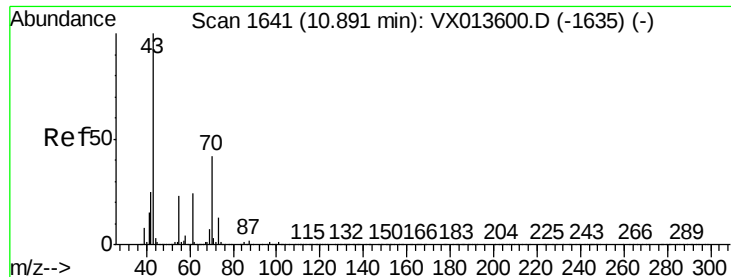
Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Tgt Ion:	105	Resp:	1520497
Ion Ratio	Lower	Upper	
105	100		
120	26.9	13.5	40.5





#74

N-amvl acetate

Concen: 49.819 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

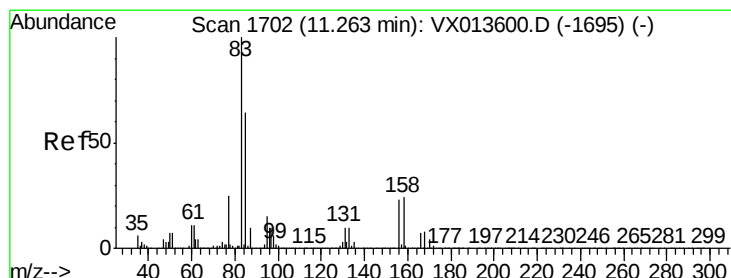
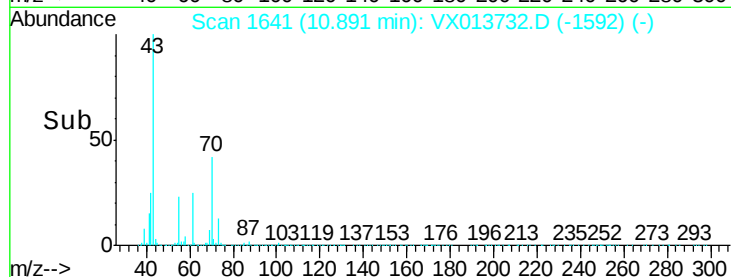
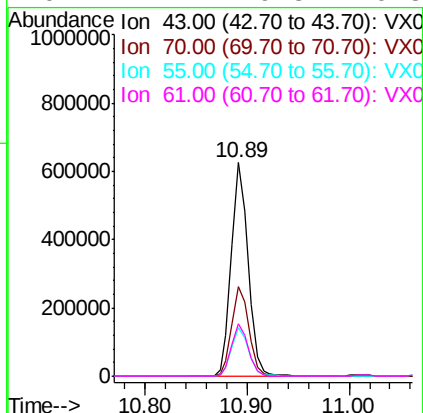
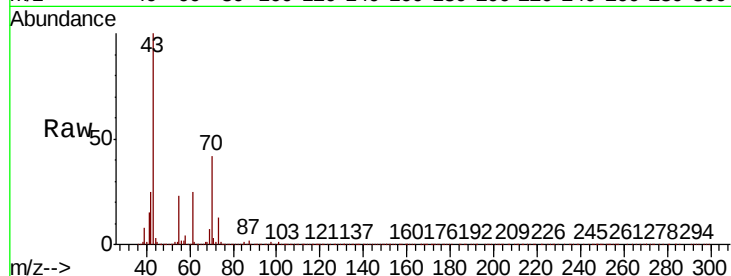
ClientSampleId :

S39-0191MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.3	51.5
55	23.7	18.5	27.7
61	24.7	19.8	29.8

Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 50.003 ug/l

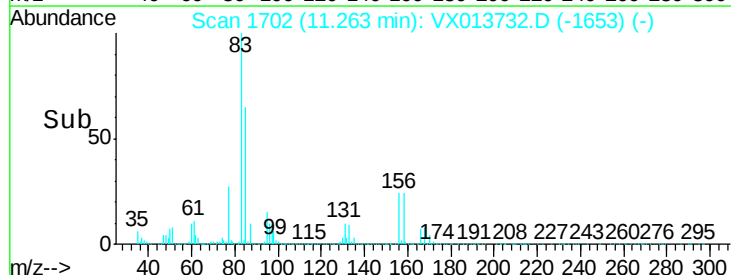
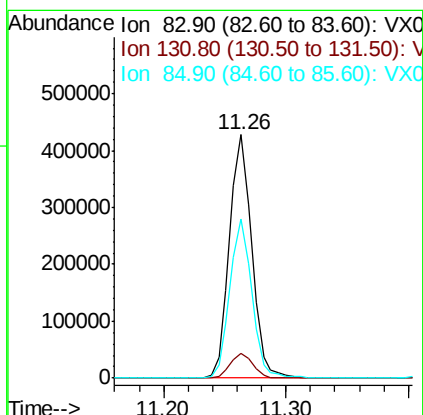
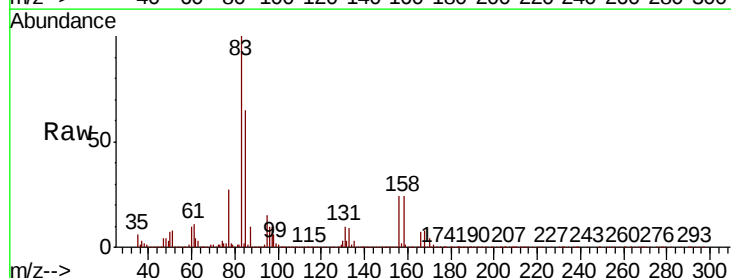
RT: 11.26 min Scan# 1702

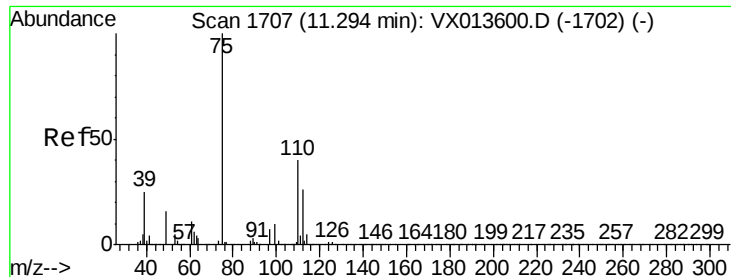
Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	64.5	31.8	95.3





#76

1,2,3-Trichloropropane

Concen: 42.547 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampled :

S39-0191MS

Tot Ion: 75 Resp: 423244

Ion Ratio Lower Upper

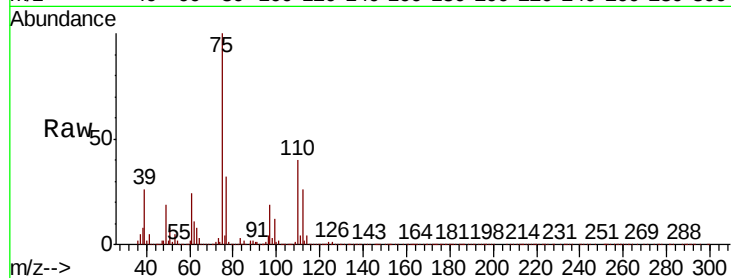
75 100

77 44.3 19.1 57.5

Manual Integrations
APPROVED

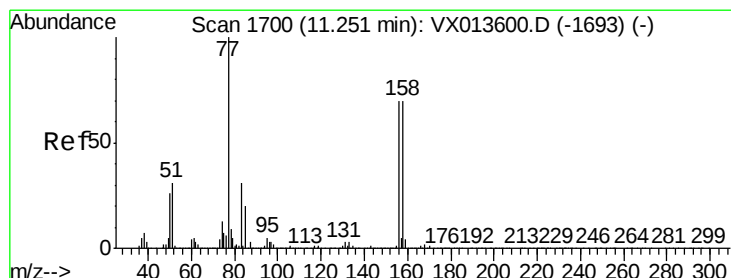
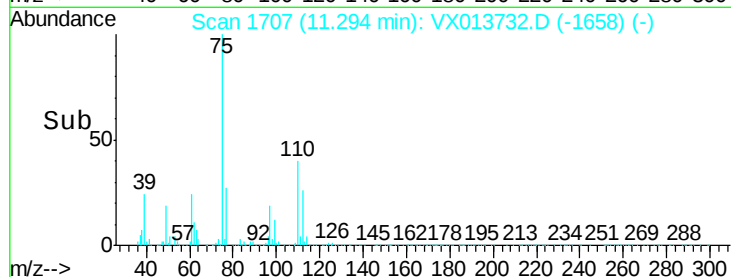
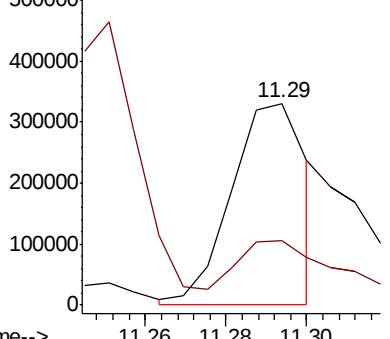
apatel

12/4/2019 1:52:25 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 47.665 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

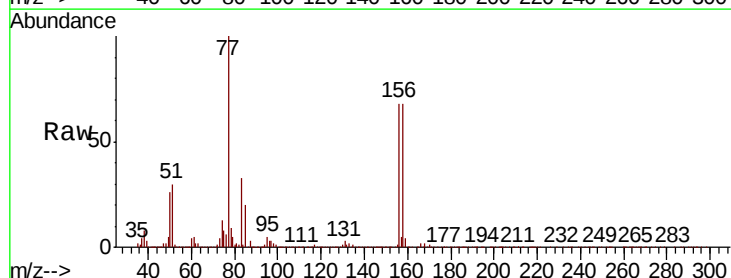
Tgt Ion: 156 Resp: 399495

Ion Ratio Lower Upper

156 100

77 151.1 74.4 223.1

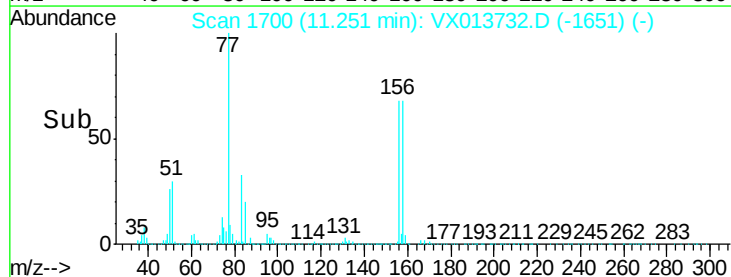
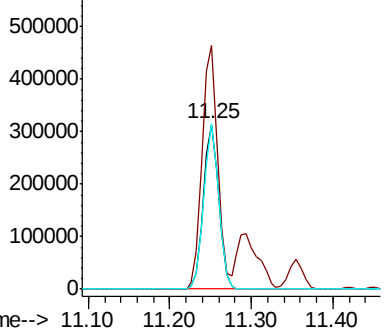
158 97.8 48.9 146.6

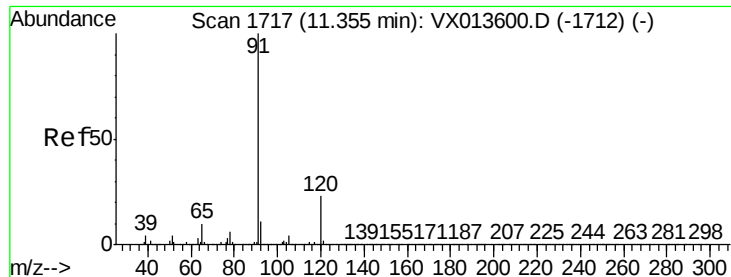


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 49.815 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

S39-0191MS

Tot Ion: 91 Resp: 1725238

Ion Ratio Lower Upper

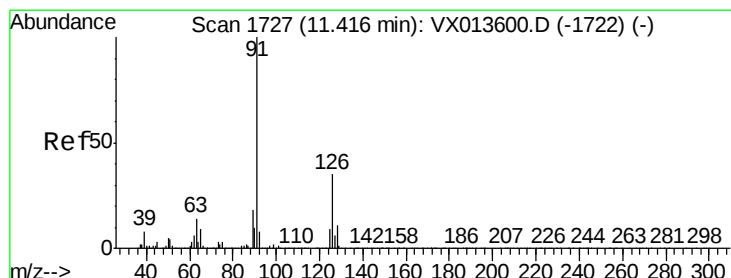
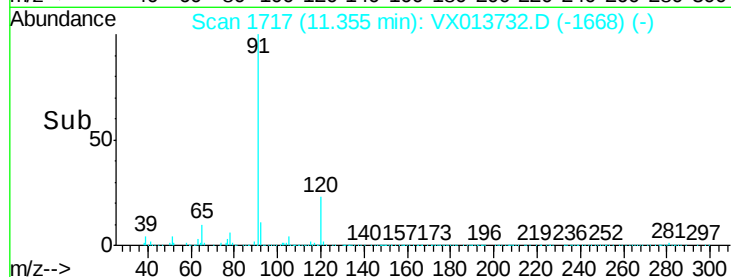
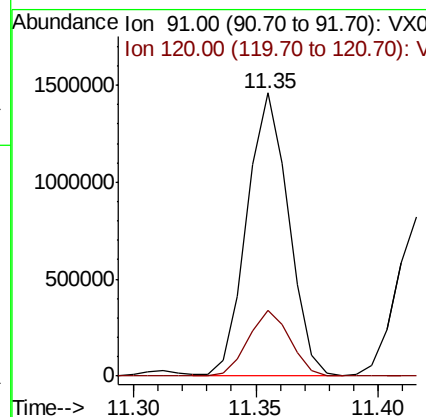
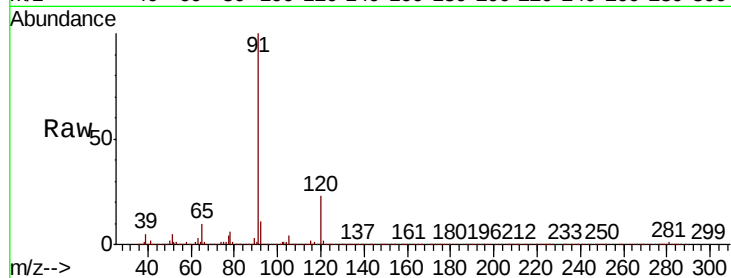
91 100

120 23.4 11.8 35.3

Manual Integrations
APPROVED

apatel

12/4/2019 1:52:25 PM



#79

2-Chlorotoluene

Concen: 48.311 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013732.D

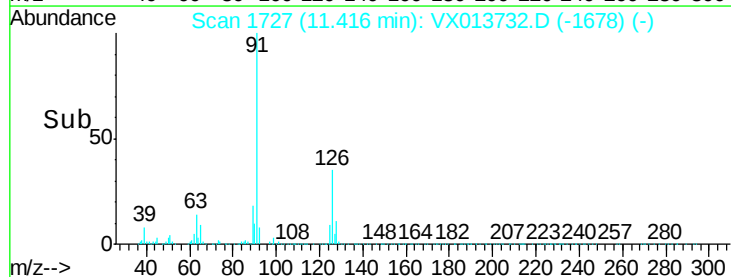
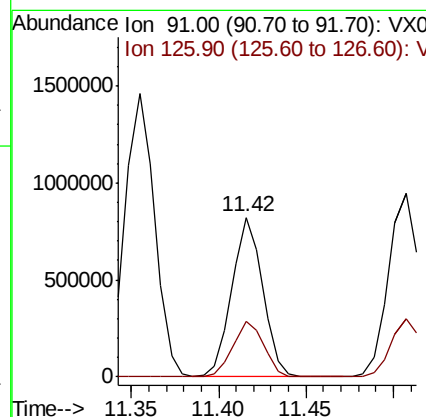
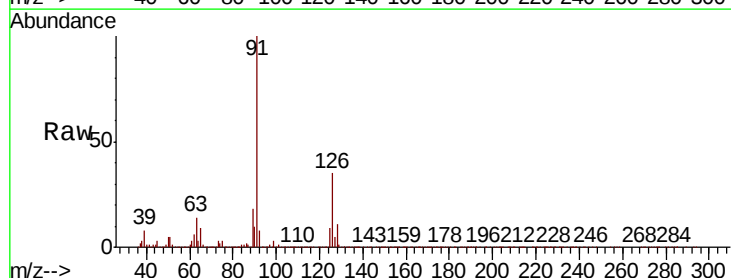
Acq: 03 Dec 2019 18:08

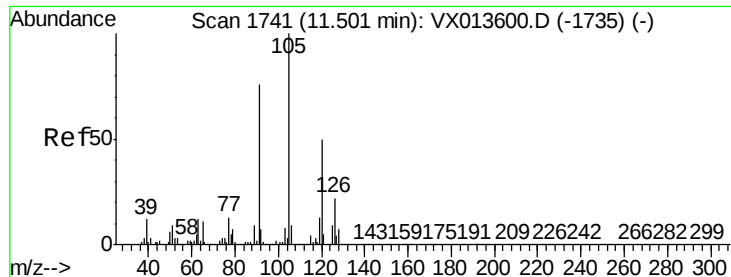
Tgt Ion: 91 Resp: 1003681

Ion Ratio Lower Upper

91 100

126 35.0 17.5 52.5





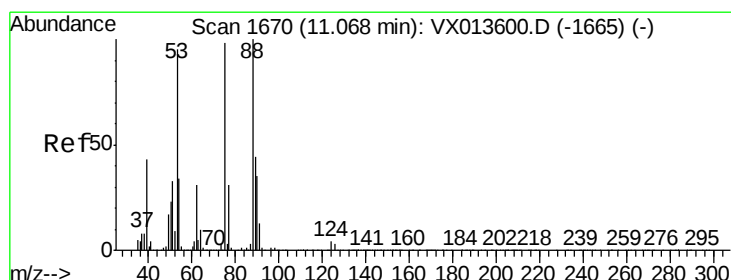
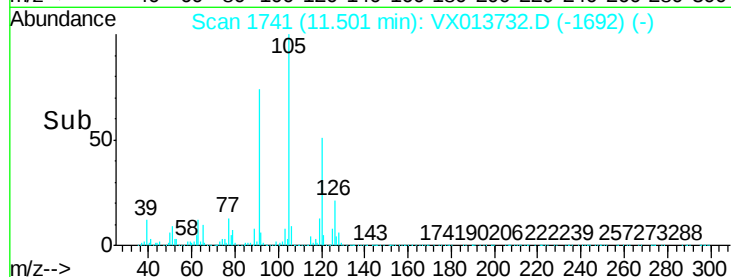
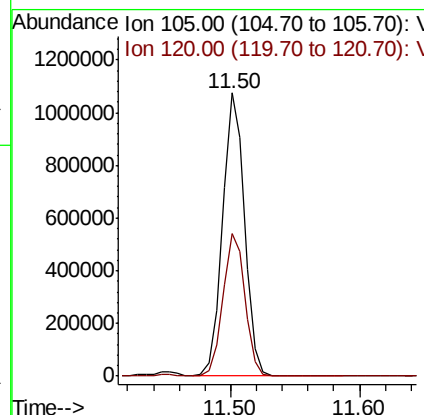
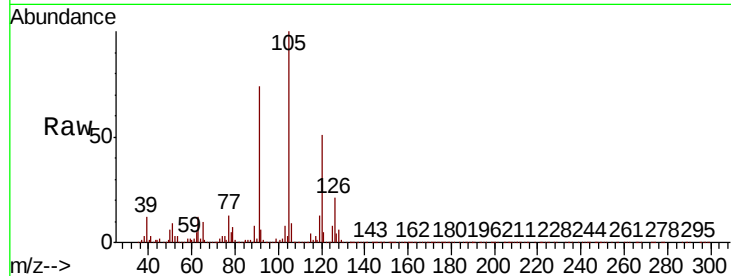
#80
 1,3,5-Trimethylbenzene
 Concen: 50.795 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Tot Ion:105 Resp: 1291596
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.3 75.9

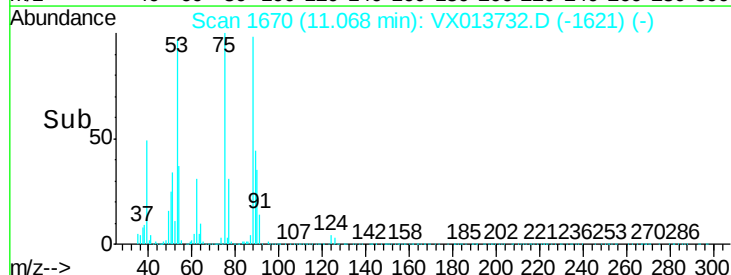
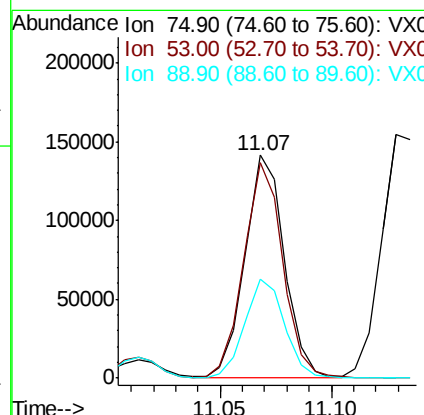
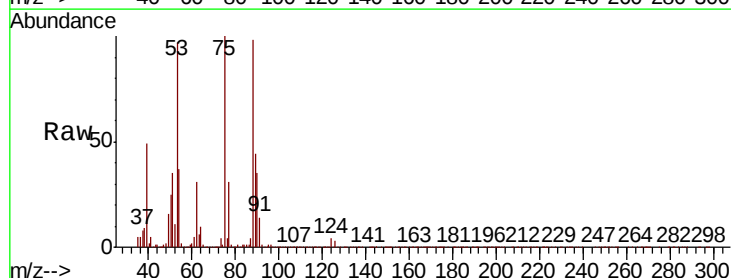
Manual Integrations
 APPROVED

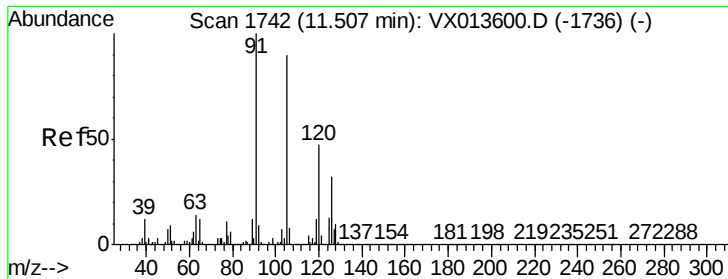
apatel
 12/4/2019 1:52:25 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.051 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Tgt Ion: 75 Resp: 174719
 Ion Ratio Lower Upper
 75 100
 53 95.4 78.2 117.2
 89 44.6 35.4 53.2





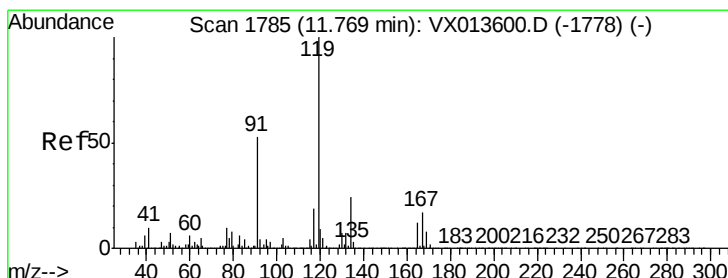
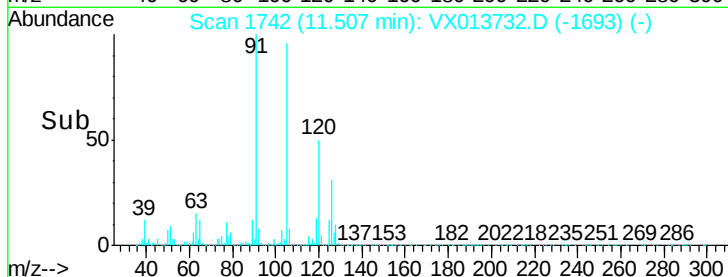
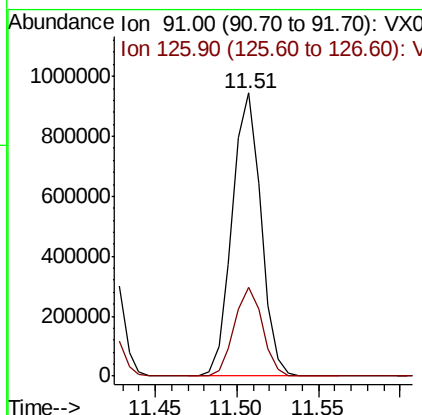
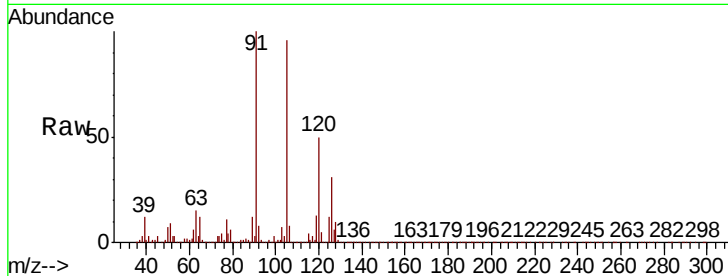
#82
4-Chlorotoluene
Concen: 48.293 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampled :
S39-0191MS

Tot Ion: 91 Resp: 1162035
Ion Ratio Lower Upper
91 100
126 30.7 15.7 47.0

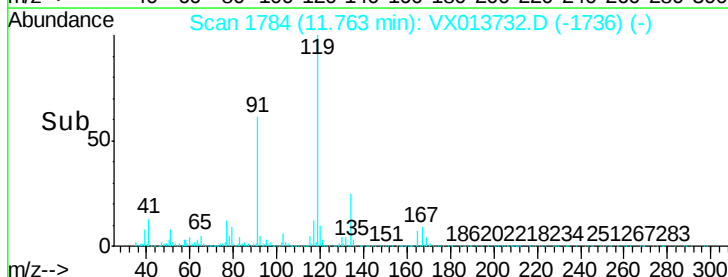
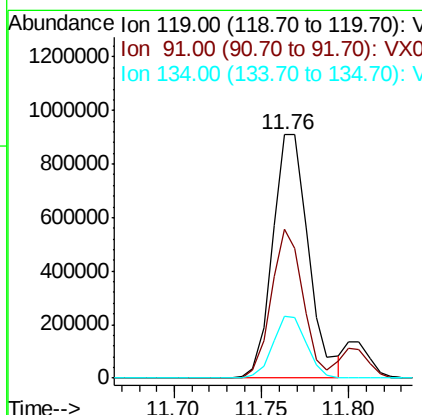
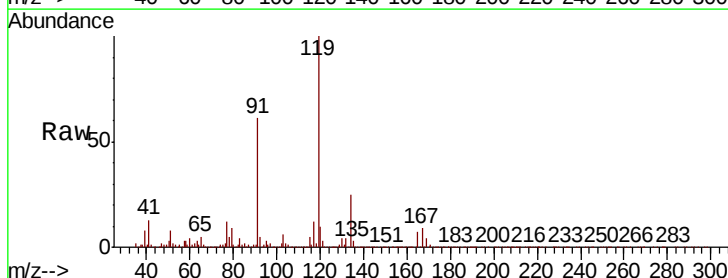
Manual Integrations
APPROVED

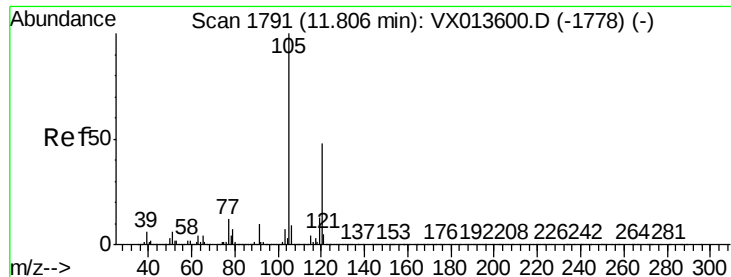
apatel
12/4/2019 1:52:25 PM



#83
tert-Butylbenzene
Concen: 50.446 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion: 119 Resp: 1303618
Ion Ratio Lower Upper
119 100
91 54.1 27.2 81.6
134 23.7 11.7 35.1





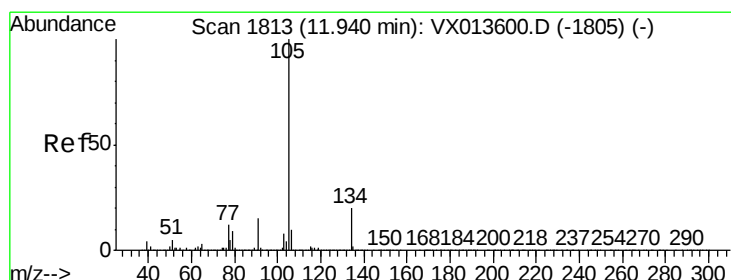
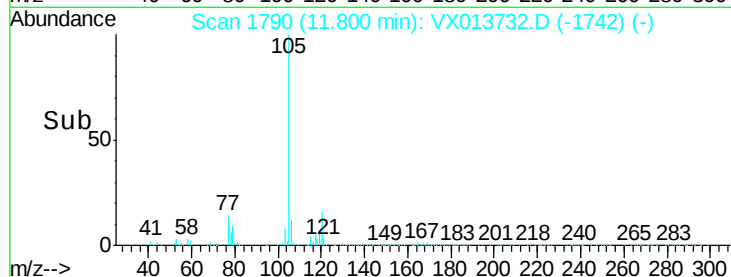
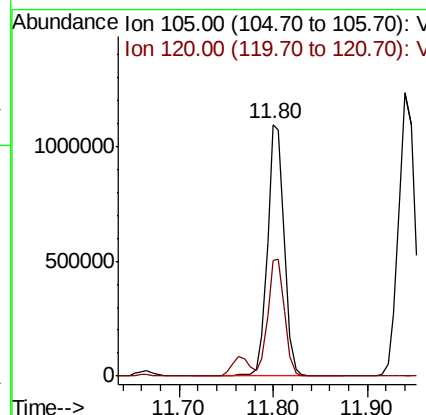
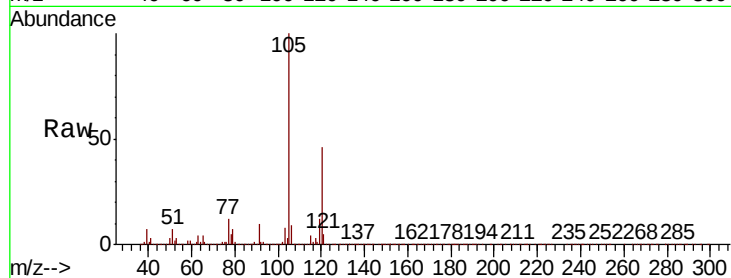
#84
 1,2,4-Trimethylbenzene
 Concen: 53.246 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Tot Ion:105 Resp: 1374076
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.3

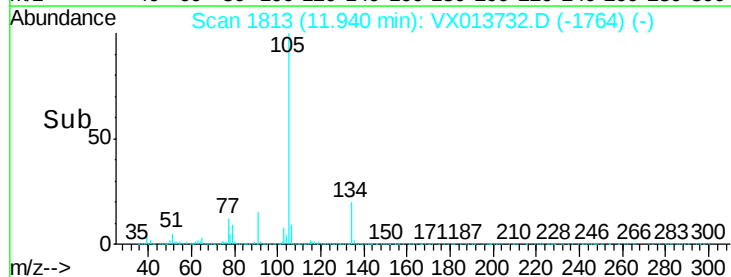
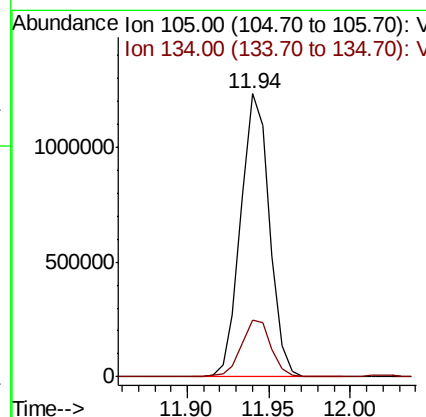
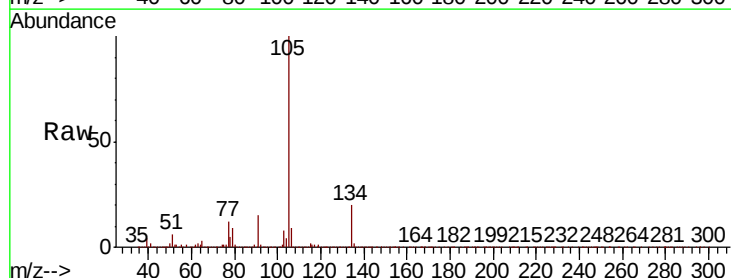
Manual Integrations
 APPROVED

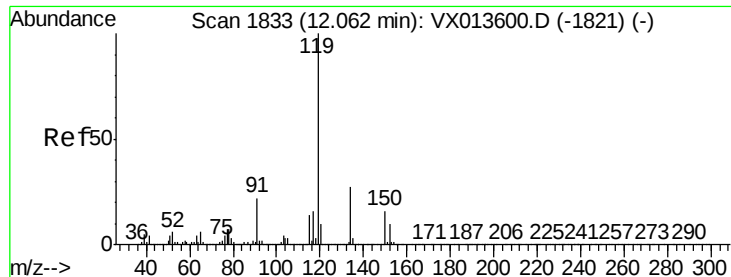
apatel
 12/4/2019 1:52:25 PM



#85
 sec-Butylbenzene
 Concen: 51.026 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Tgt Ion:105 Resp: 1506135
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.2





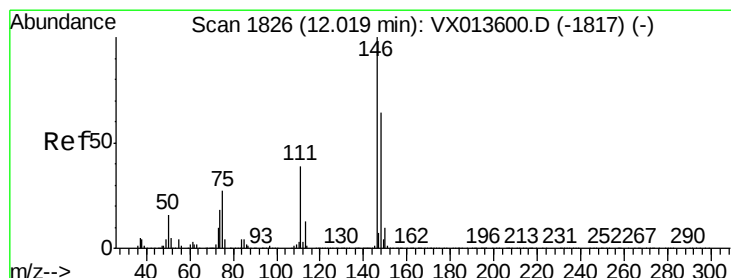
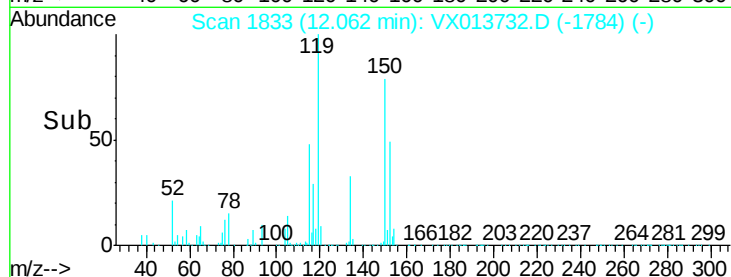
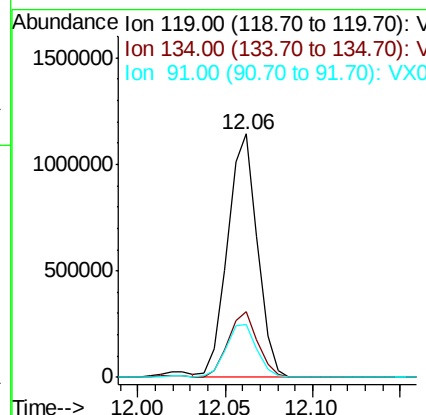
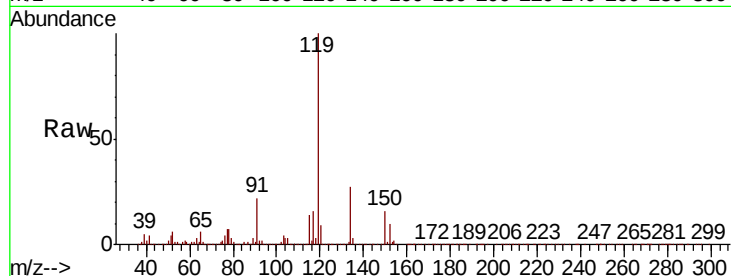
#86
p-Isopropyltoluene
Concen: 49.385 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.9
91	22.5	11.3	33.8

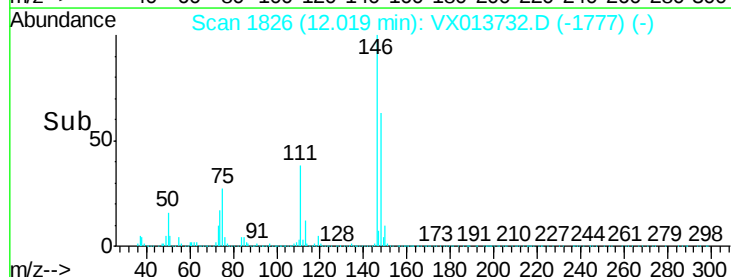
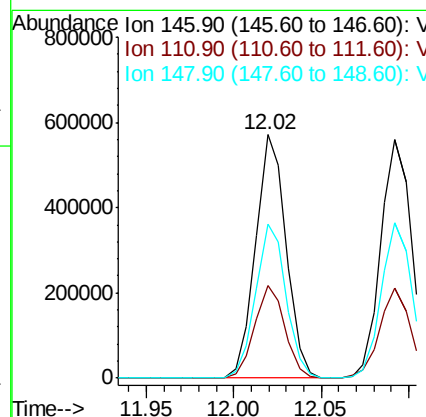
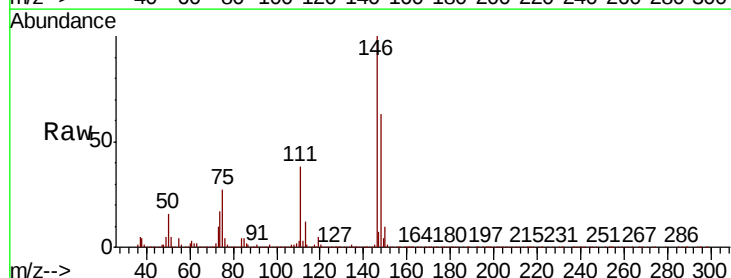
Manual Integrations
APPROVED

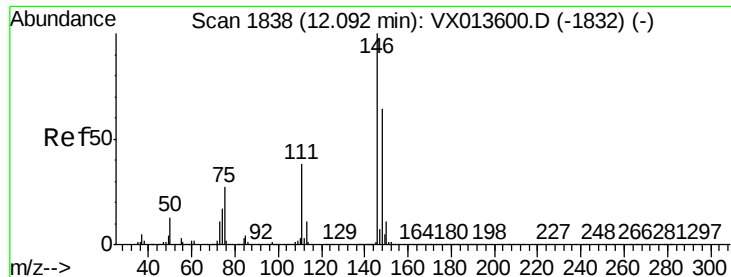
apatel
12/4/2019 1:52:25 PM



#87
1,3-Dichlorobenzene
Concen: 47.534 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.0	57.0
148	63.0	31.8	95.4





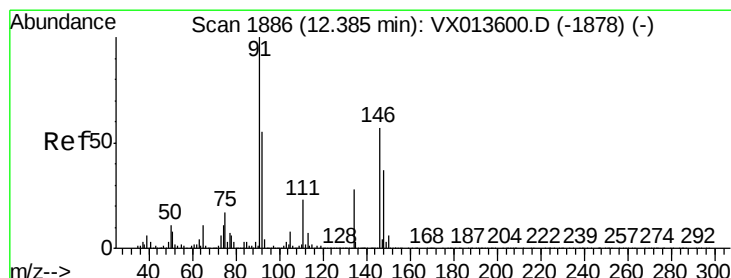
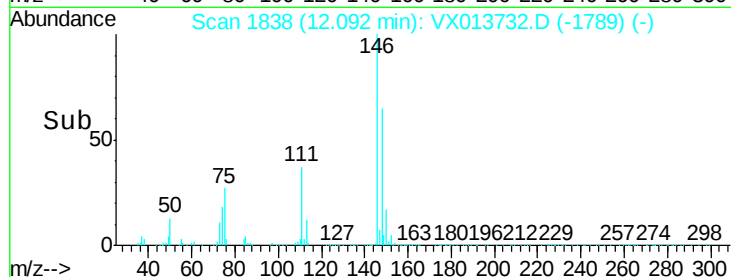
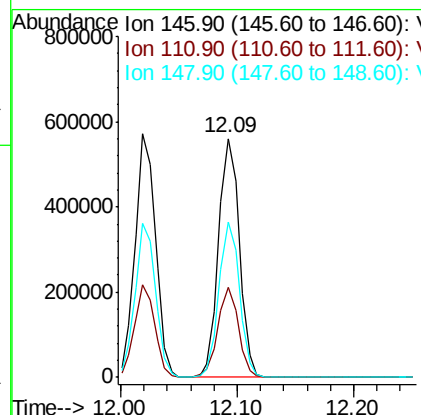
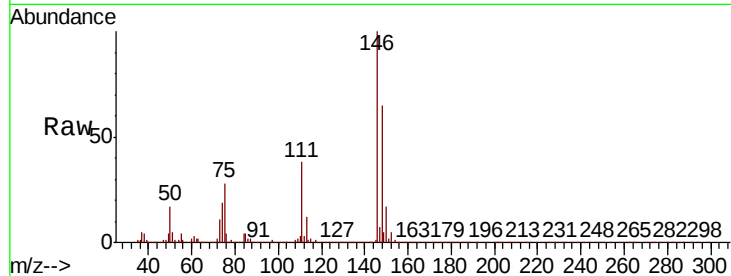
#88
 1,4-Dichlorobenzene
 Concen: 46.272 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	688593		
111	37.1	18.9	56.9	
148	64.3	31.9	95.5	

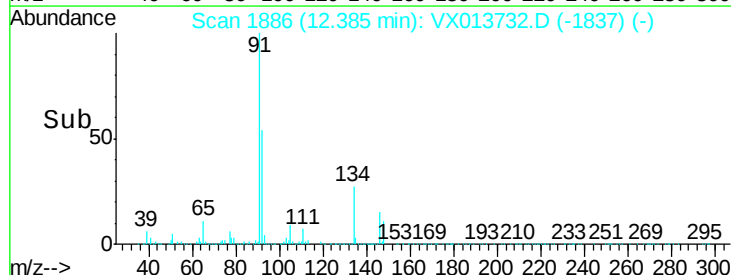
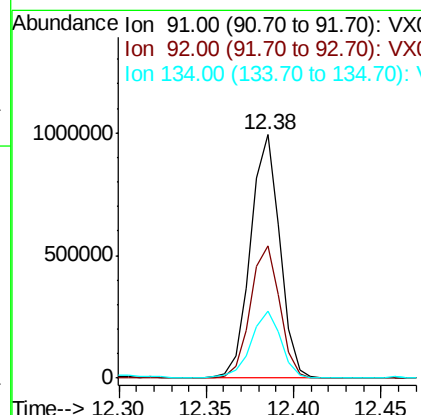
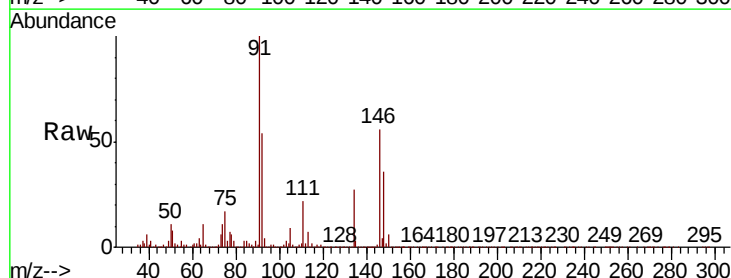
Manual Integrations
 APPROVED

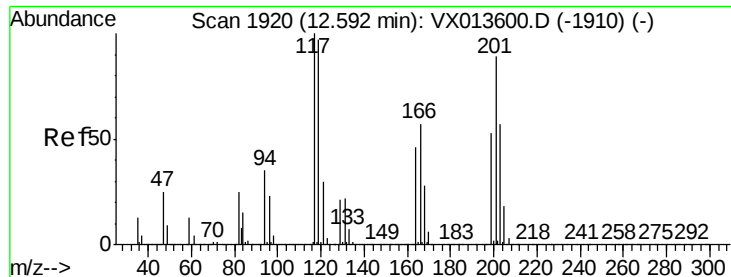
apatel
 12/4/2019 1:52:25 PM



#89
 n-Butylbenzene
 Concen: 49.225 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1152860		
92	54.3	27.4	82.2	
134	28.4	13.5	40.4	





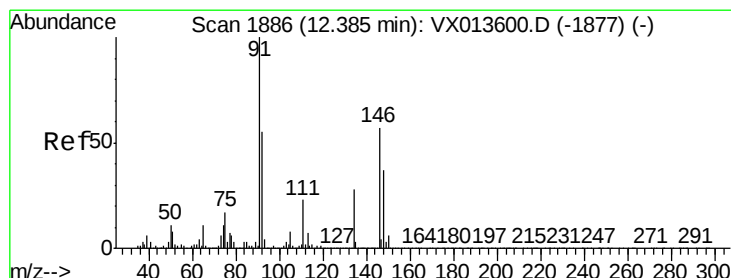
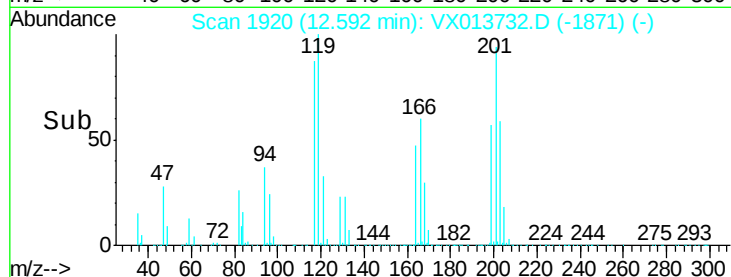
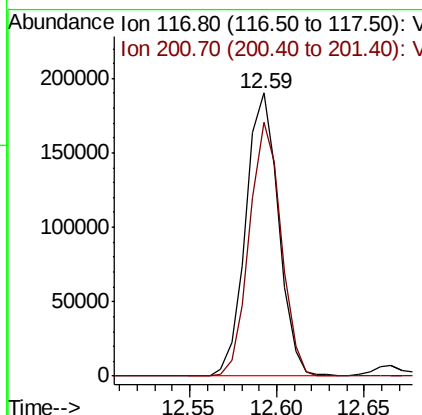
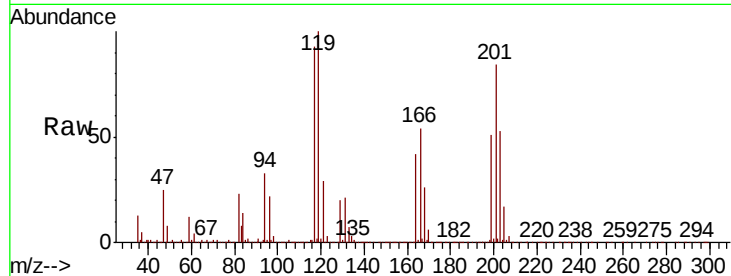
#90
Hexachloroethane
Concen: 49.818 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
S39-0191MS

Tot Ion:117 Resp: 247266
Ion Ratio Lower Upper
117 100
201 87.2 44.1 132.4

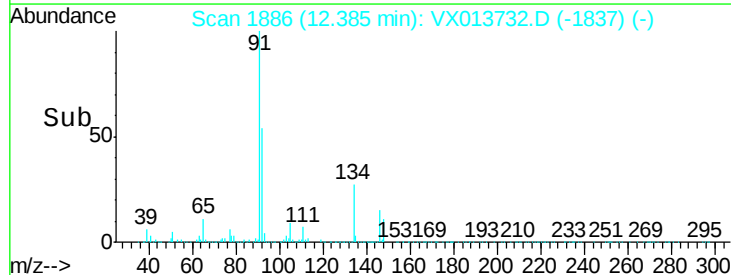
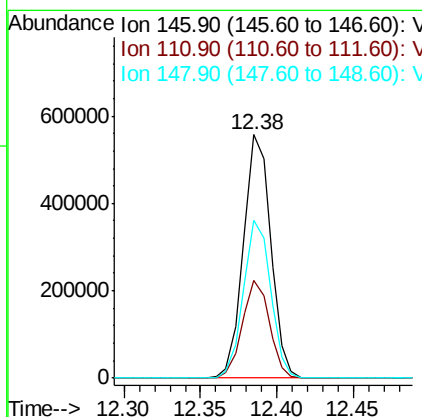
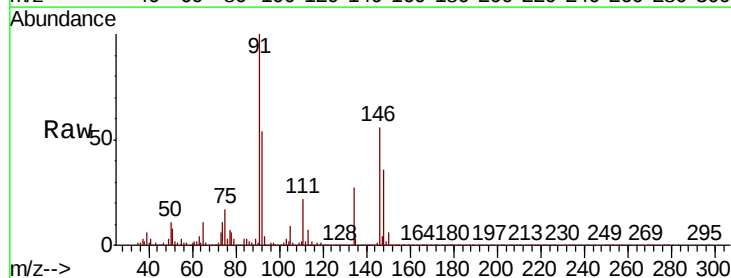
Manual Integrations
APPROVED

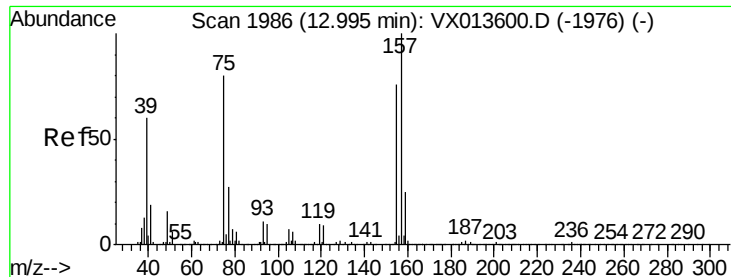
apatel
12/4/2019 1:52:25 PM



#91
1,2-Dichlorobenzene
Concen: 48.091 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013732.D
Acq: 03 Dec 2019 18:08

Tgt Ion:146 Resp: 694206
Ion Ratio Lower Upper
146 100
111 39.4 19.6 58.7
148 64.6 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.132 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

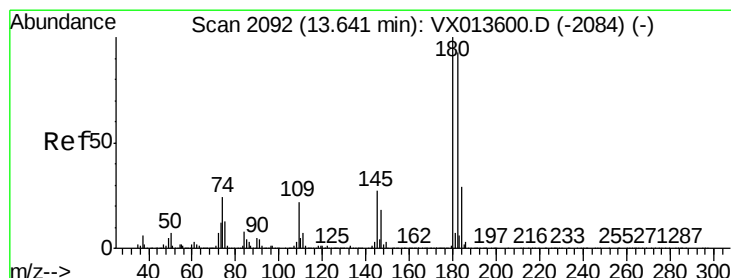
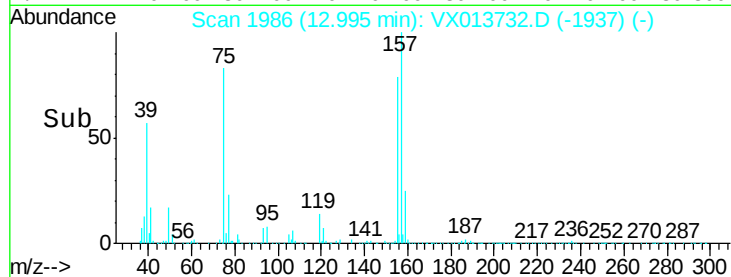
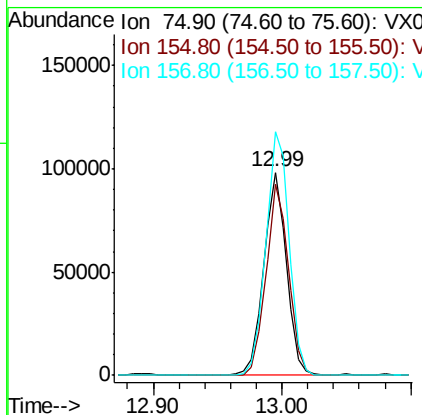
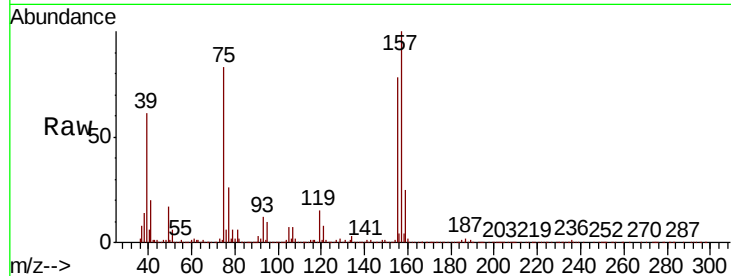
ClientSampleId :

S39-0191MS

Tot Ion:	75	Resp:	119800
Ion Ratio	Lower	Upper	
75	100		
155	93.9	47.6	142.8
157	123.3	62.1	186.2

Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM



#93

1,2,4-Trichlorobenzene

Concen: 46.567 ug/l

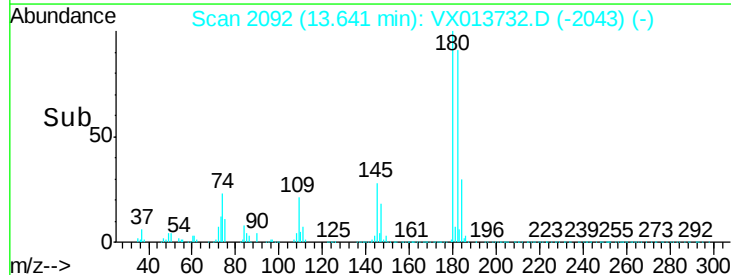
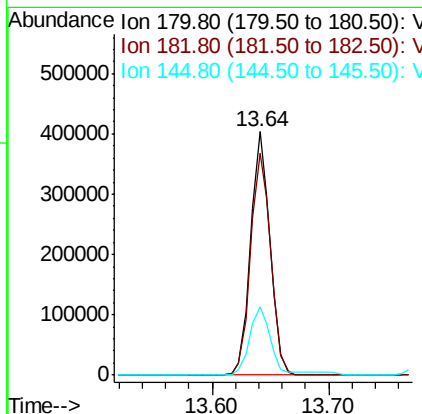
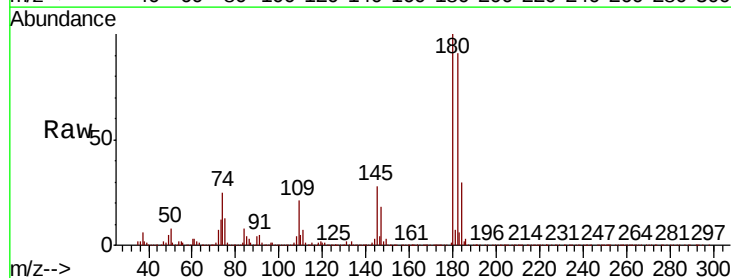
RT: 13.64 min Scan# 2092

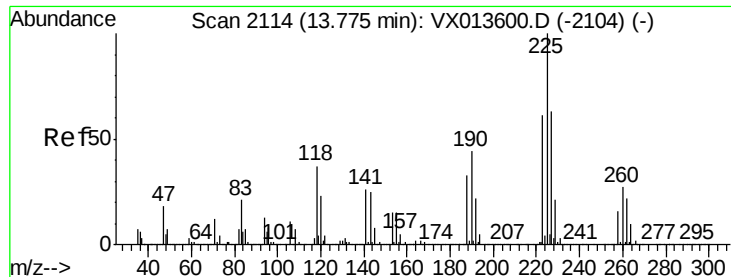
Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Tgt Ion:	180	Resp:	468479
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.2	141.6
145	29.7	13.8	41.4





#94

Hexachlorobutadiene

Concen: 45.091 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Instrument :

MSVOA_X

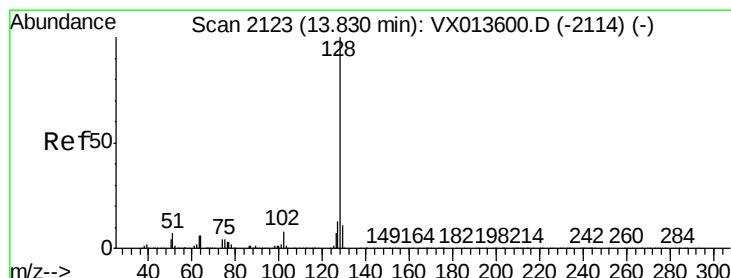
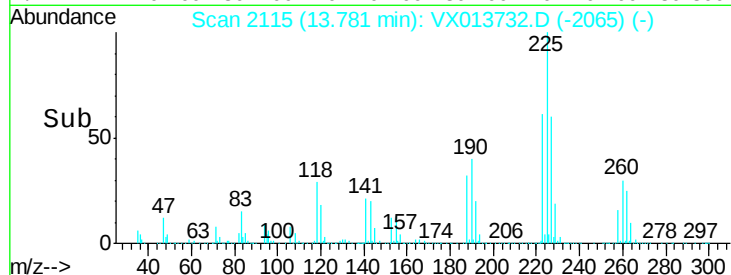
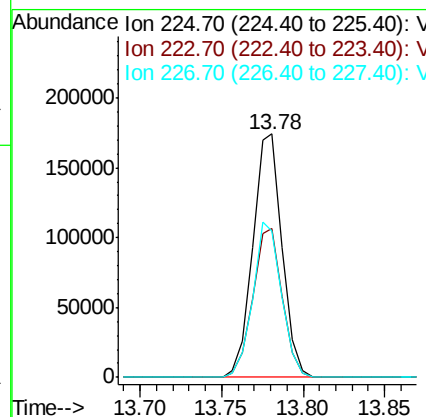
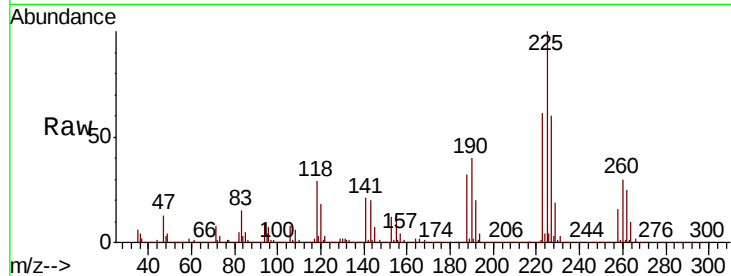
ClientSampled :

S39-0191MS

Tot Ion:	225	Resp:	217917
Ion Ratio		Lower	Upper
225	100		
223	61.7	31.9	95.5
227	62.4	32.1	96.3

Manual Integrations
APPROVED

apatel
12/4/2019 1:52:25 PM



#95

Naphthalene

Concen: 50.961 ug/l

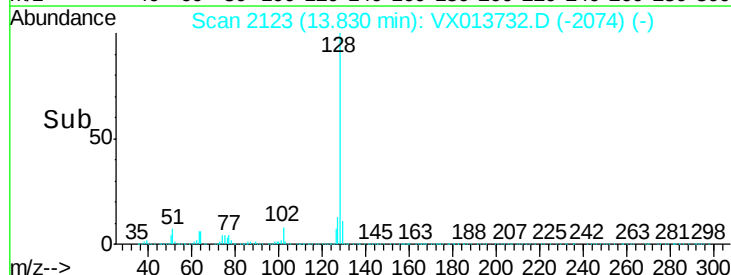
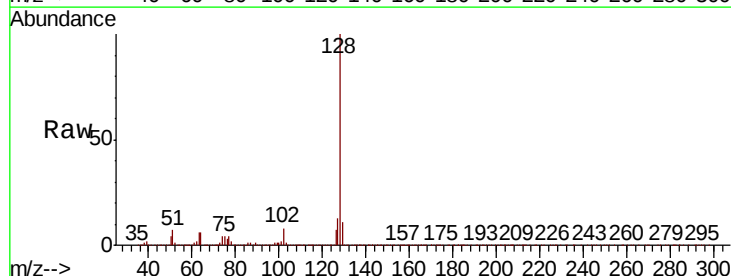
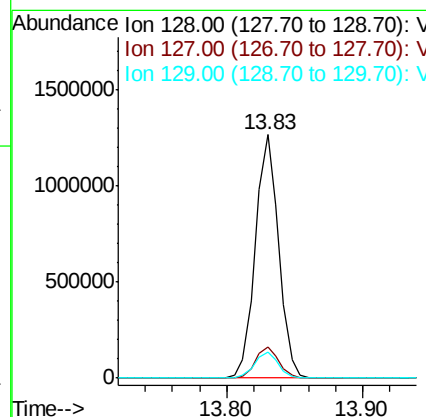
RT: 13.83 min Scan# 2123

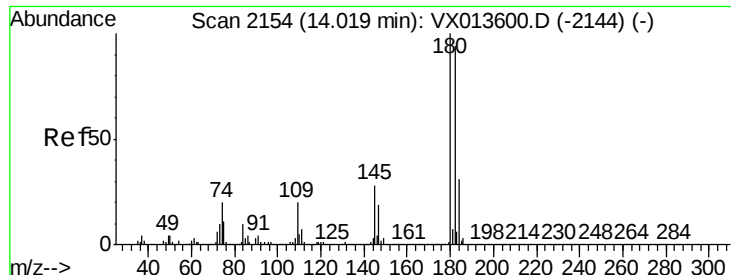
Delta R.T. -0.00 min

Lab File: VX013732.D

Acq: 03 Dec 2019 18:08

Tgt Ion:	128	Resp:	1526797
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1





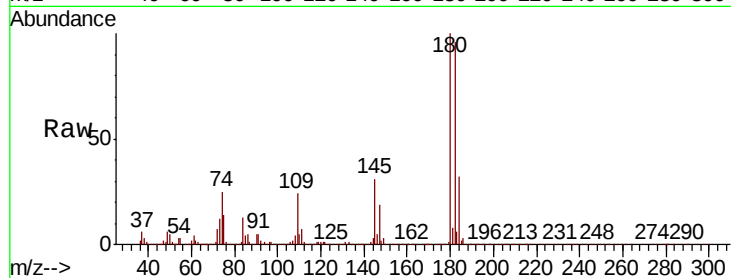
#96
 1,2,3-Trichlorobenzene
 Concen: 46.894 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VX013732.D
 Acq: 03 Dec 2019 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	467111		
182	96.0		47.6	142.8
145	30.7		15.0	45.0

Manual Integrations
 APPROVED

apatel
 12/4/2019 1:52:25 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

