

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120519\
 Data File : VX013765.D
 Acq On : 05 Dec 2019 09:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/6/2019 9:30:18 AM

Quant Time: Dec 06 02:32:40 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	697932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1023807	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	927629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	479821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	345929	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
35) Dibromofluoromethane	5.48	113	293922	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
50) Toluene-d8	8.71	98	1114032	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
62) 4-Bromofluorobenzene	11.13	95	408058	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	396384	51.025	ug/l	98
3) Chloromethane	1.32	50	412524	47.326	ug/l	99
4) Vinyl Chloride	1.40	62	497188	50.677	ug/l	100
5) Bromomethane	1.63	94	289548	43.946	ug/l	99
6) Chloroethane	1.71	64	272958	48.893	ug/l	98
7) Trichlorofluoromethane	1.92	101	541441	49.701	ug/l	99
8) Diethyl Ether	2.18	74	248906	50.503	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	337955	50.788	ug/l	98
10) Methyl Iodide	2.50	142	395390	49.121	ug/l	100
11) Tert butyl alcohol	3.03	59	393921	196.991	ug/l	99
12) 1,1-Dichloroethene	2.36	96	329126	49.552	ug/l	99
13) Acrolein	2.28	56	402915	300.050	ug/l	99
14) Allyl chloride	2.72	41	592945	49.192	ug/l	99
15) Acrylonitrile	3.13	53	963505	233.423	ug/l	99
16) Acetone	2.43	43	1163720	290.947	ug/l	100
17) Carbon Disulfide	2.56	76	880627	46.510	ug/l	99
18) Methyl Acetate	2.76	43	552003	49.561	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1113161	50.590	ug/l	99
20) Methylene Chloride	2.84	84	374677	48.759	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	354600	49.007	ug/l	99
22) Diisopropyl ether	3.84	45	1182030	50.928	ug/l	96
23) Vinyl Acetate	3.80	43	4794639	248.324	ug/l	100
24) 1,1-Dichloroethane	3.68	63	644851	50.824	ug/l	98
25) 2-Butanone	4.65	43	1526529	256.800	ug/l	100
26) 2,2-Dichloropropane	4.57	77	544868	51.904	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	410518	49.403	ug/l	99
28) Bromochloromethane	5.00	49	258894	51.635	ug/l	99
29) Tetrahydrofuran	5.11	42	849091	231.704	ug/l	99
30) Chloroform	5.20	83	626387	48.680	ug/l	97
31) Cyclohexane	5.57	56	585688	48.941	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	544592	50.646	ug/l	100
36) 1,1-Dichloropropene	5.79	75	483521	52.027	ug/l	99
37) Ethyl Acetate	4.81	43	519961	49.872	ug/l	99
38) Carbon Tetrachloride	5.77	117	466354	54.420	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120519\
 Data File : VX013765.D
 Acq On : 05 Dec 2019 09:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/6/2019 9:30:18 AM

Quant Time: Dec 06 02:32:40 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	7.45	83	615555	53.584	ug/l	99
40) Benzene	6.13	78	1459936	51.578	ug/l	99
41) Methacrylonitrile	5.02	41	294941	51.583	ug/l	99
42) 1,2-Dichloroethane	6.18	62	505592	52.375	ug/l	99
43) Isopropyl Acetate	6.43	43	874393	50.942	ug/l	99
44) Trichloroethene	7.20	130	402189	51.773	ug/l	94
45) 1,2-Dichloropropane	7.50	63	380310	53.702	ug/l	98
46) Dibromomethane	7.65	93	245973	51.139	ug/l	99
47) Bromodichloromethane	7.89	83	504787	55.515	ug/l	96
48) Methyl methacrylate	7.76	41	438766	52.611	ug/l	98
49) 1,4-Dioxane	7.73	88	154928	829.924	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	2696804	249.776	ug/l	100
52) Toluene	8.78	92	933140	53.067	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	563319	54.428	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	620473	54.873	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	376800	53.174	ug/l	98
56) Ethyl methacrylate	9.17	69	610055	53.548	ug/l	100
57) 1,3-Dichloropropane	9.36	76	634036	51.910	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1233005	276.037	ug/l	99
59) 2-Hexanone	9.48	43	2177176	258.549	ug/l	100
60) Dibromochloromethane	9.57	129	407613	55.428	ug/l	99
61) 1,2-Dibromoethane	9.67	107	393688	52.018	ug/l	100
64) Tetrachloroethene	9.33	164	367821	53.171	ug/l	99
65) Chlorobenzene	10.13	112	1009570	52.419	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	376010	54.369	ug/l	99
67) Ethyl Benzene	10.25	91	1798762	54.351	ug/l	98
68) m/p-Xylenes	10.36	106	1375937	108.592	ug/l	99
69) o-Xylene	10.70	106	668720	54.114	ug/l	100
70) Styrene	10.71	104	1145885	55.123	ug/l	100
71) Bromoform	10.85	173	325192	56.828	ug/l #	100
73) Isopropylbenzene	11.01	105	1767840	52.524	ug/l	99
74) N-amyl acetate	10.89	43	794922	51.558	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	591230	50.653	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	469387m	43.494	ug/l	
77) Bromobenzene	11.25	156	466479	51.303	ug/l	99
78) n-propylbenzene	11.35	91	2029778	54.023	ug/l	99
79) 2-Chlorotoluene	11.42	91	1175456	52.153	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1488615	53.964	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	202817	51.415	ug/l	98
82) 4-Chlorotoluene	11.51	91	1369251	52.453	ug/l	100
83) tert-Butylbenzene	11.76	119	1526503	54.450	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1494219	53.372	ug/l	100
85) sec-Butylbenzene	11.94	105	1759126	54.935	ug/l	99
86) p-Isopropyltoluene	12.06	119	1619604	54.367	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	833963	52.616	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	829056	51.353	ug/l	99
89) n-Butylbenzene	12.39	91	1414402	55.668	ug/l	99
90) Hexachloroethane	12.59	117	293764	54.556	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	825440	52.708	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	125351	49.315	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120519\
Data File : VX013765.D
Acq On : 05 Dec 2019 09:52
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

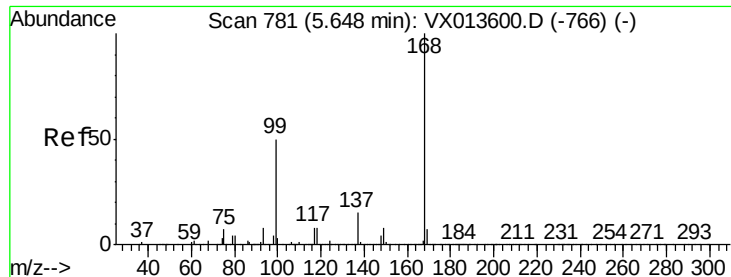
Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM

Quant Time: Dec 06 02:32:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	574430	52.631	ug/l	96
94) Hexachlorobutadiene	13.78	225	281889	53.765	ug/l	98
95) Naphthalene	13.83	128	1723064	53.012	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	567606	52.525	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 697932

Ion Ratio Lower Upper

168 100

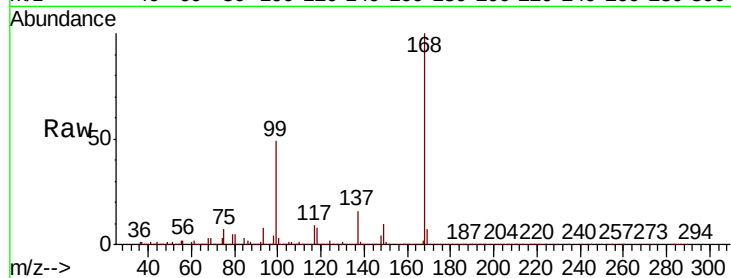
99 49.0 39.8 59.8

Manual Integrations

APPROVED

apatel

12/6/2019 9:30:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

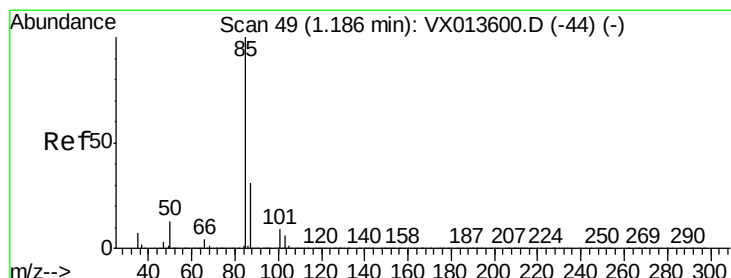
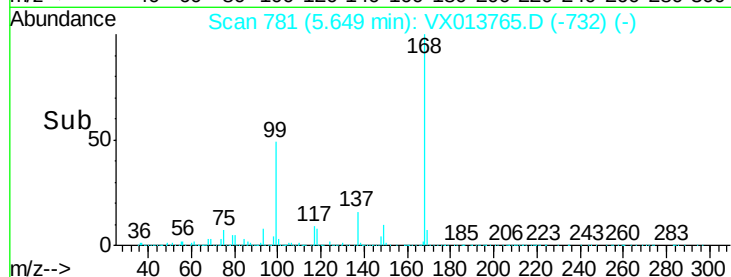
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.025 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013765.D

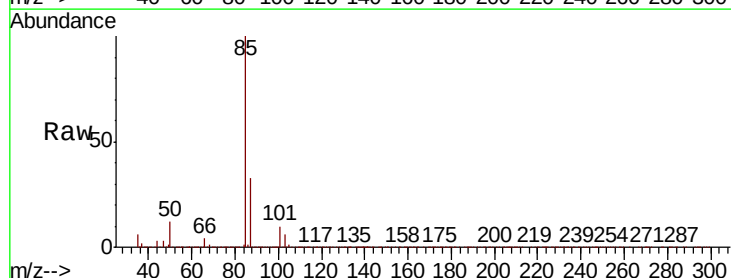
Acq: 05 Dec 2019 09:52

Tgt Ion: 85 Resp: 396384

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400000

300000

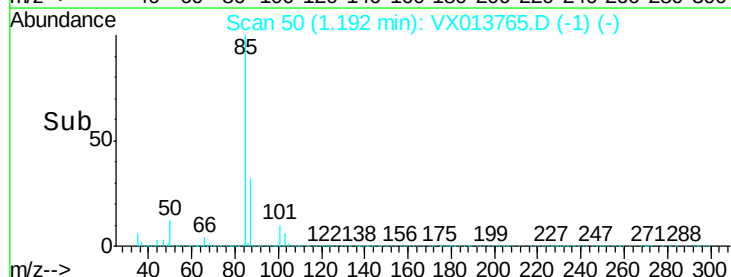
200000

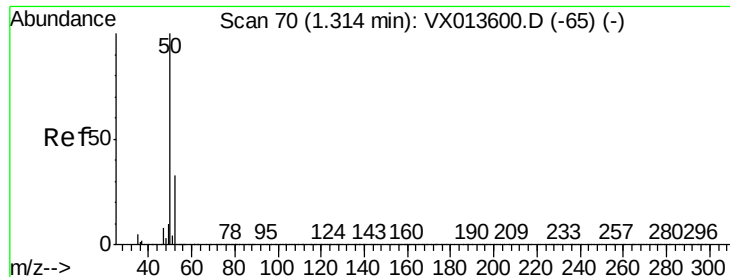
100000

0

1.10 1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.326 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 412524

Ion Ratio Lower Upper

50 100

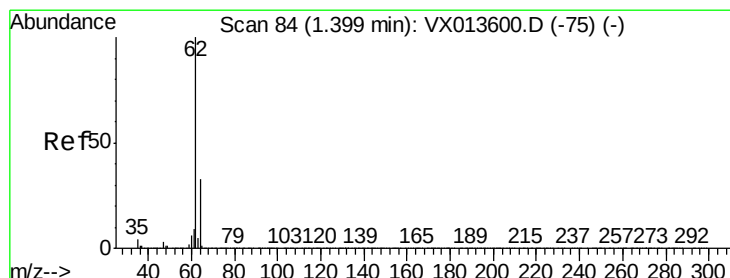
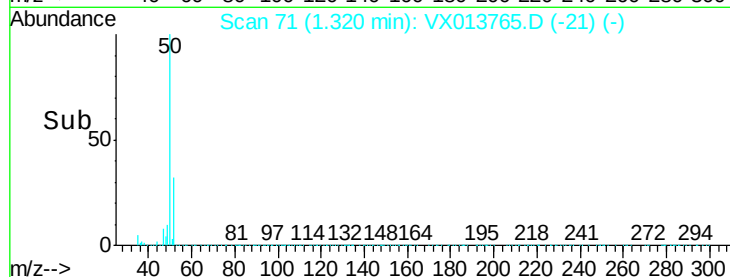
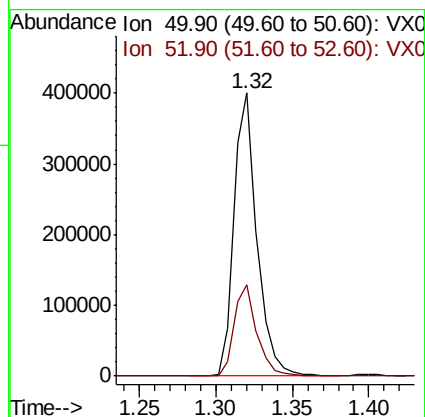
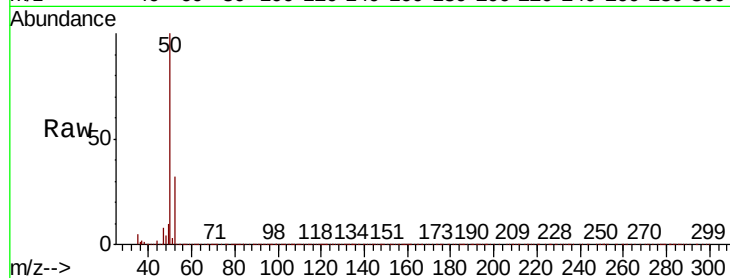
52 32.2 26.0 39.0

Manual Integrations

APPROVED

apatel

12/6/2019 9:30:18 AM



#4

Vinyl Chloride

Concen: 50.677 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013765.D

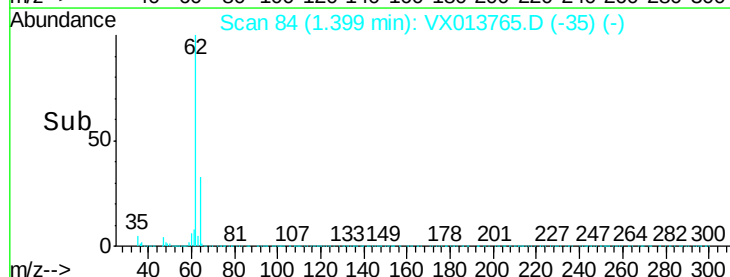
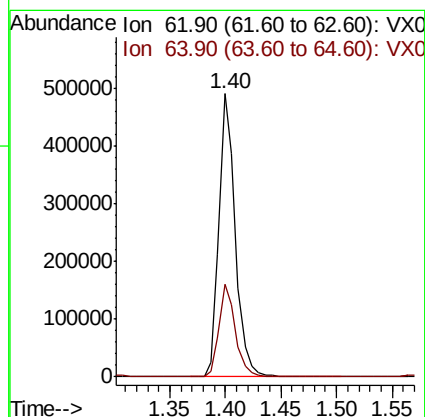
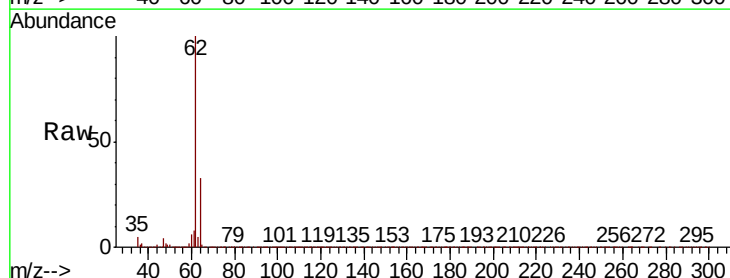
Acq: 05 Dec 2019 09:52

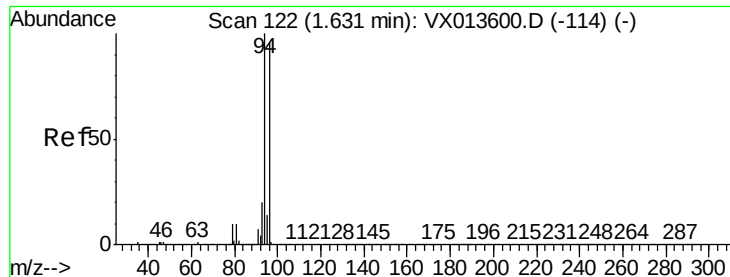
Tgt Ion: 62 Resp: 497188

Ion Ratio Lower Upper

62 100

64 32.7 26.0 39.0





#5

Bromomethane

Concen: 43.946 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 289548

Ion Ratio Lower Upper

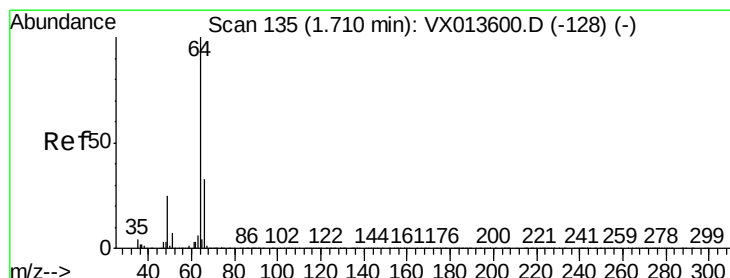
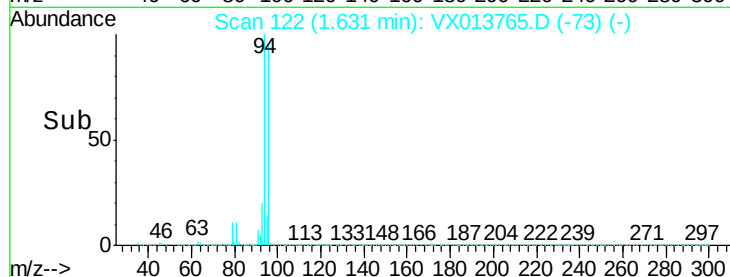
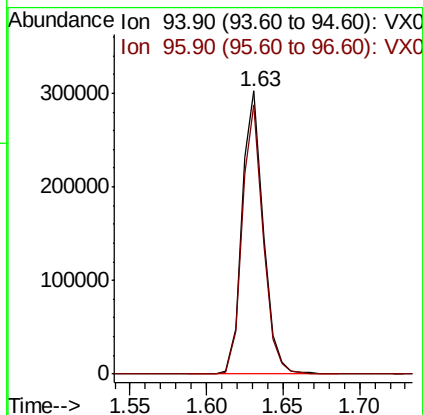
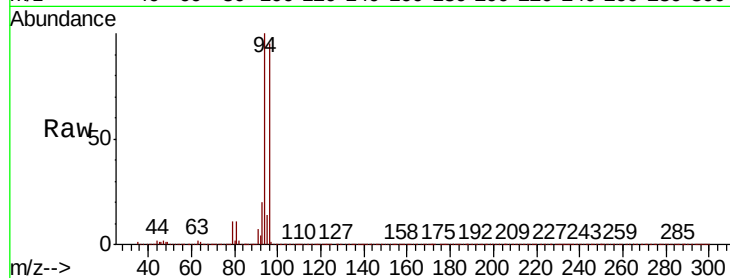
94 100

96 94.9 77.0 115.4

Manual Integrations
APPROVED

apatel

12/6/2019 9:30:18 AM



#6

Chloroethane

Concen: 48.893 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013765.D

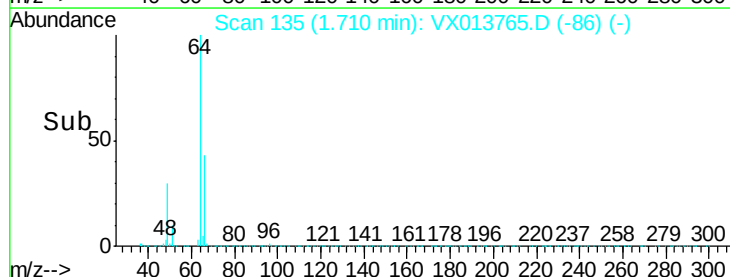
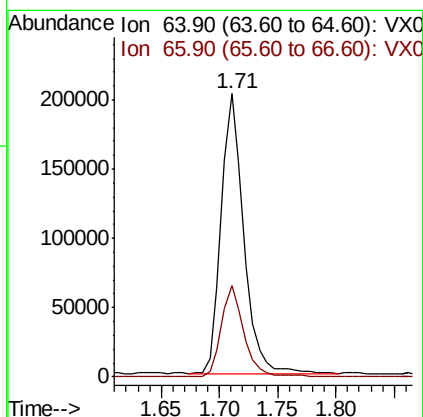
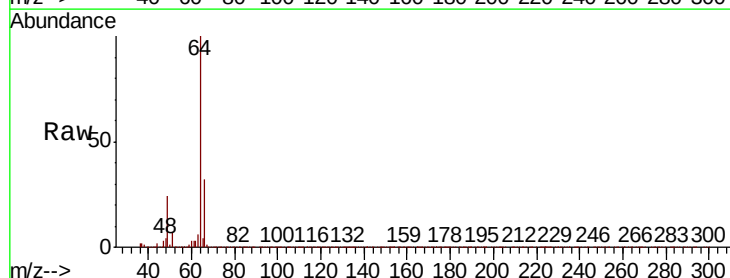
Acq: 05 Dec 2019 09:52

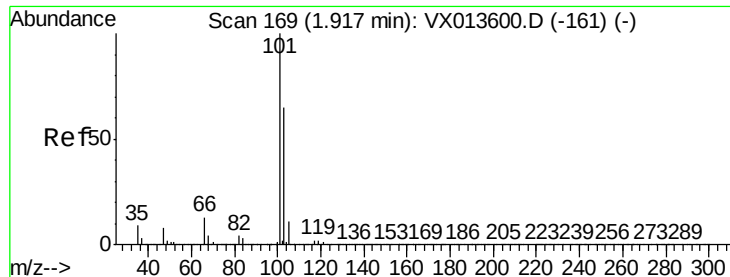
Tgt Ion: 64 Resp: 272958

Ion Ratio Lower Upper

64 100

66 32.4 26.7 40.1





#7

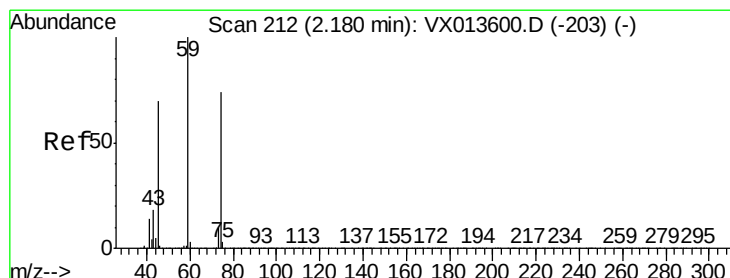
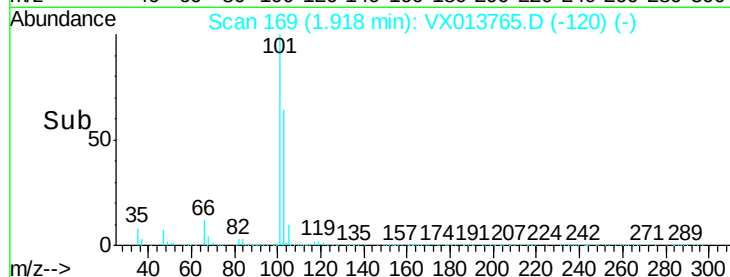
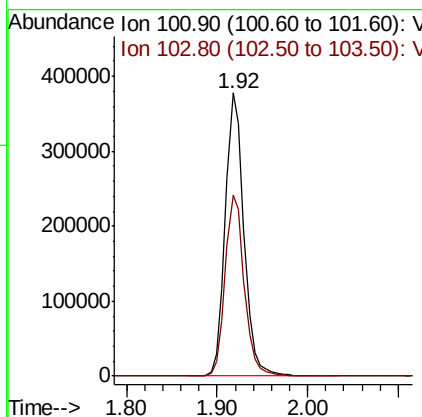
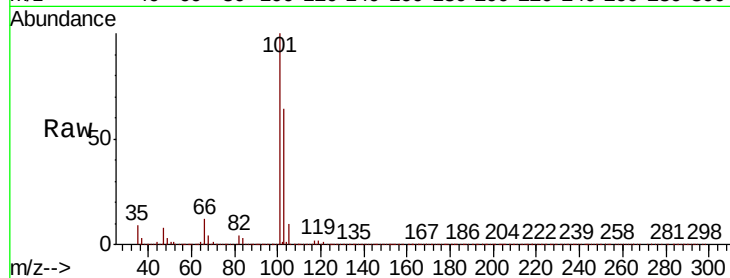
Trichlorofluoromethane
Concen: 49.701 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.8	77.6

Manual Integrations
APPROVED

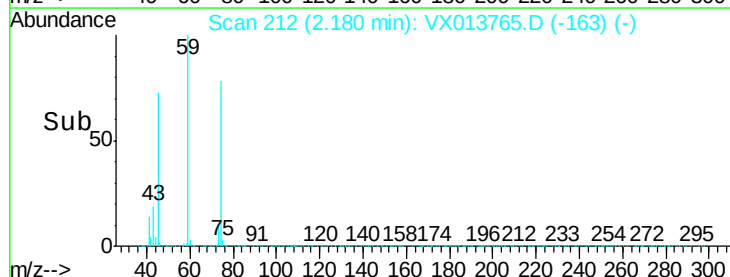
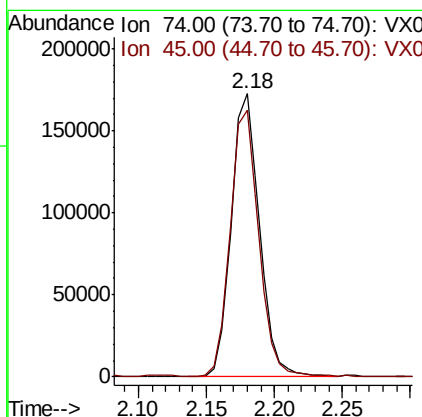
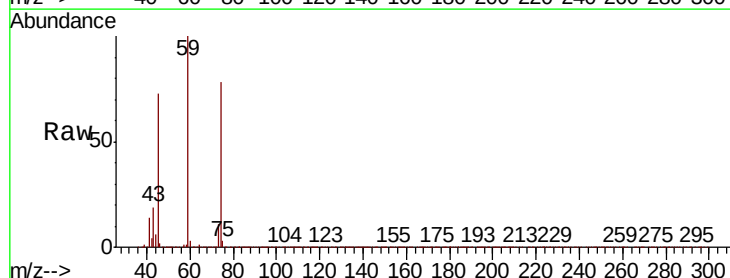
apatel
12/6/2019 9:30:18 AM

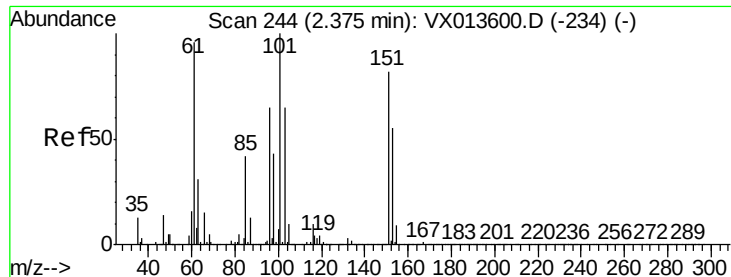


#8

Diethyl Ether
Concen: 50.503 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.788 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

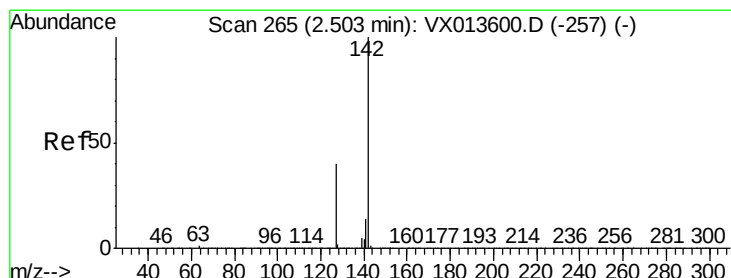
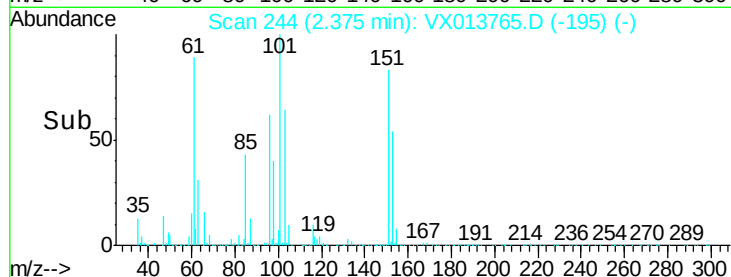
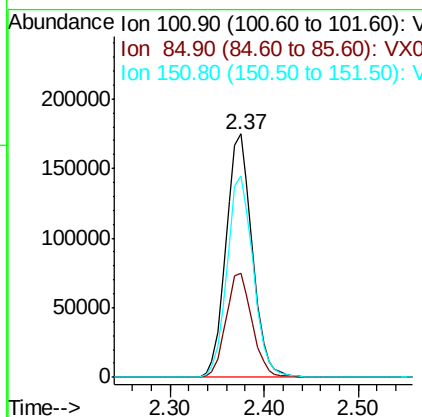
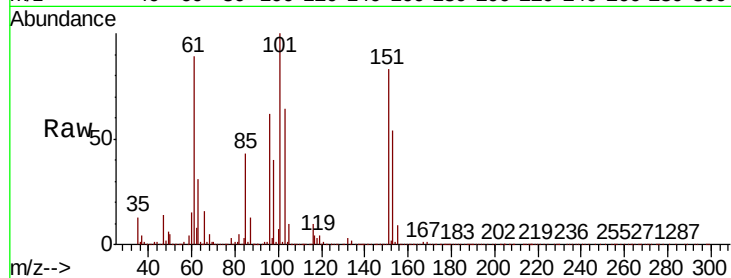
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	337955
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.9	50.9
151	82.9	64.2	96.2

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#10

Methyl Iodide

Concen: 49.121 ug/l

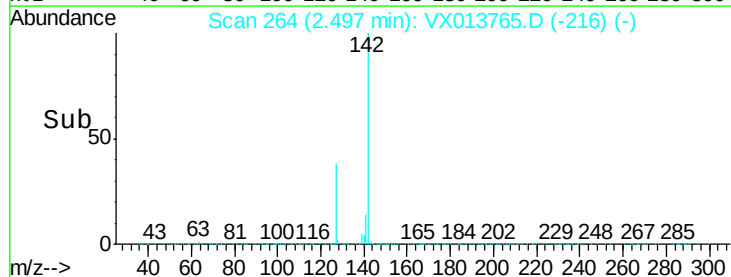
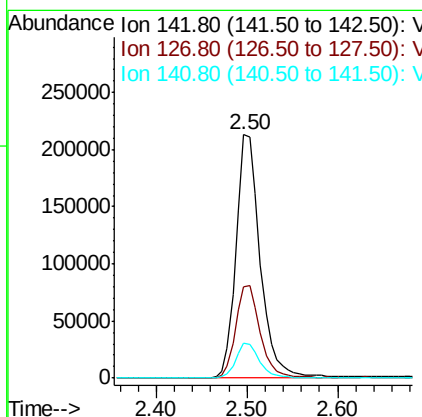
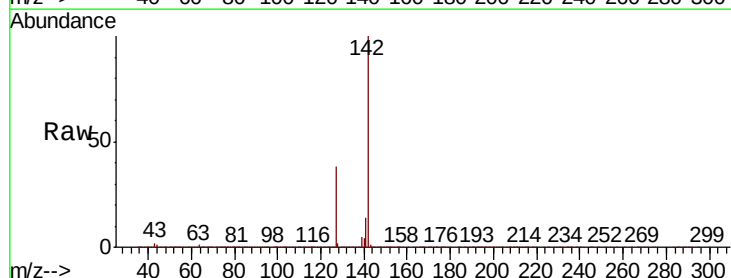
RT: 2.50 min Scan# 264

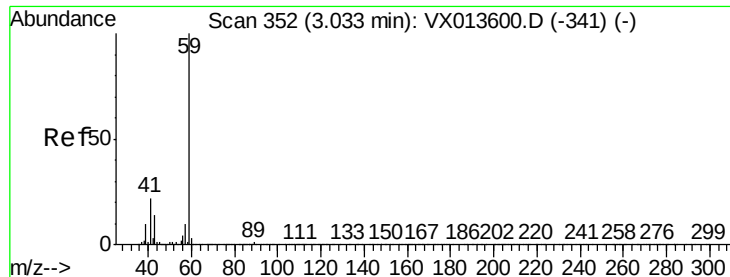
Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion:	142	Resp:	395390
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	14.1	11.6	17.4





#11

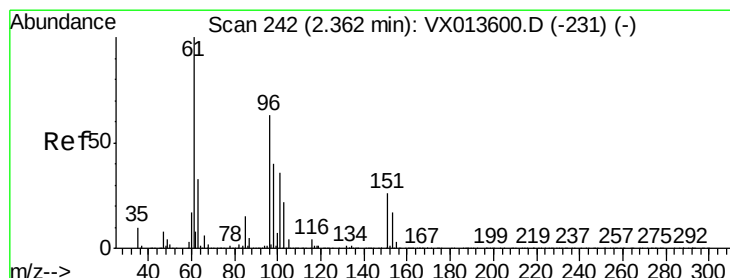
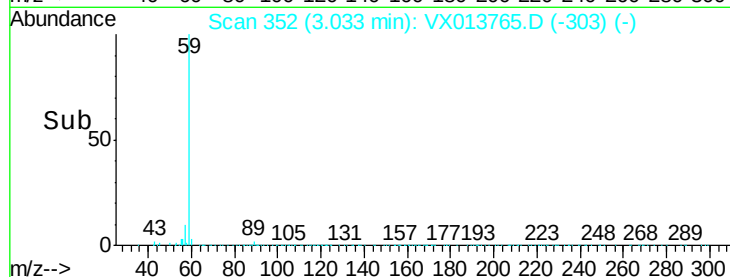
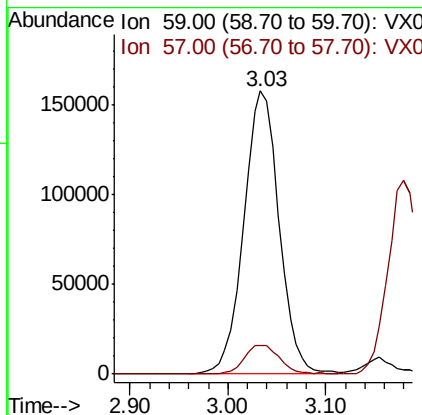
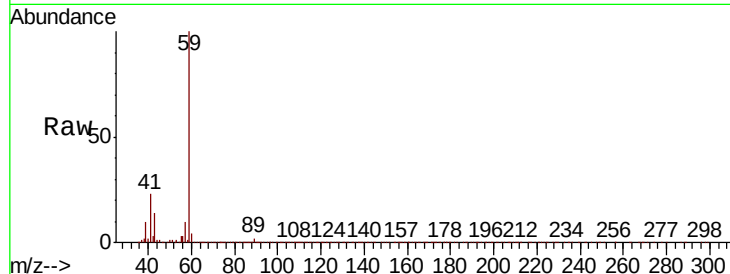
Tert butyl alcohol
Concen: 196.991 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.6

Manual Integrations
APPROVED

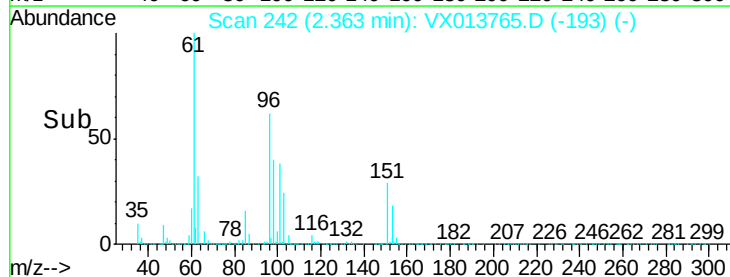
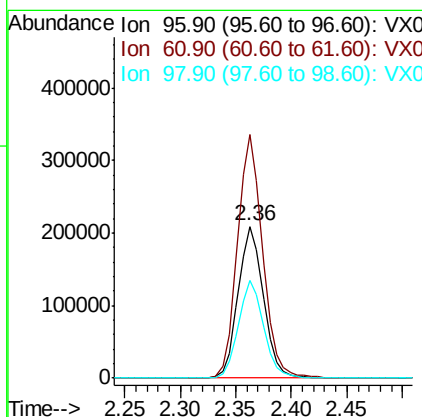
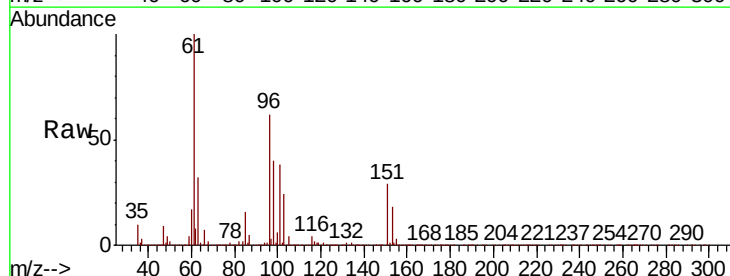
apatel
12/6/2019 9:30:18 AM

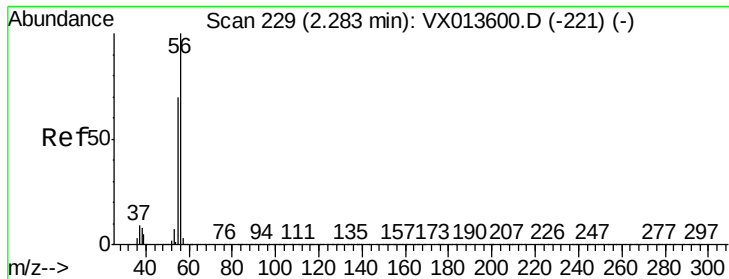


#12

1,1-Dichloroethene
Concen: 49.552 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	126.6	190.0
98	64.2	50.6	76.0





#13

Acrolein

Concen: 300.050 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 402915

Ion Ratio Lower Upper

56 100

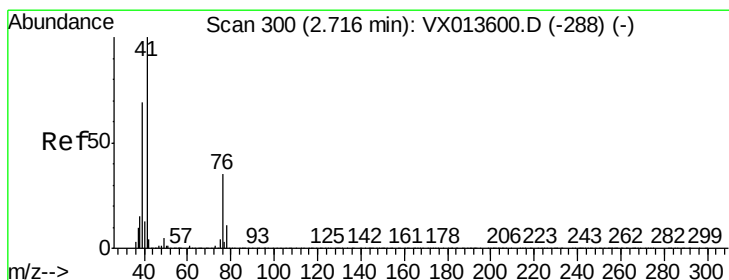
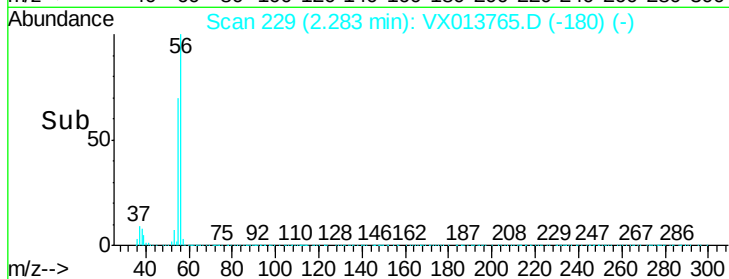
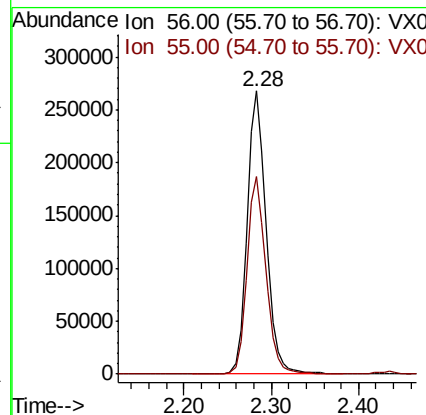
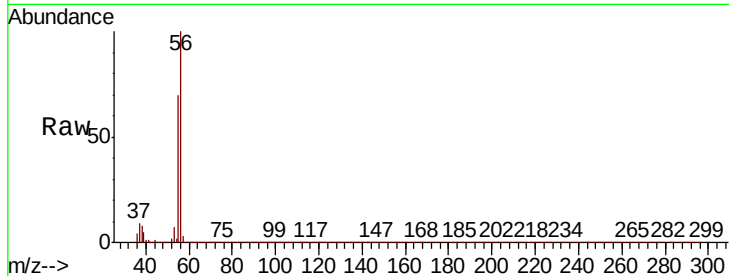
55 69.5 56.2 84.4

Manual Integrations

APPROVED

apatel

12/6/2019 9:30:18 AM



#14

Allyl chloride

Concen: 49.192 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

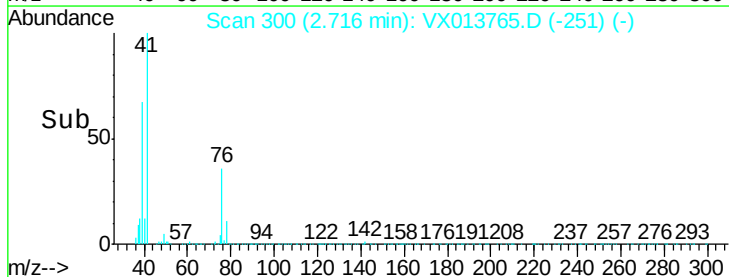
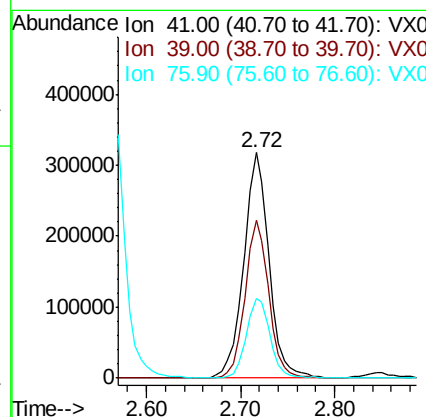
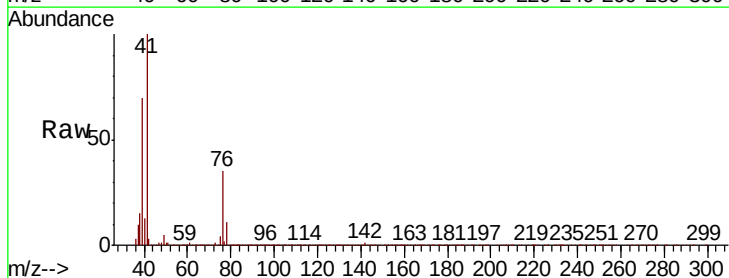
Tgt Ion: 41 Resp: 592945

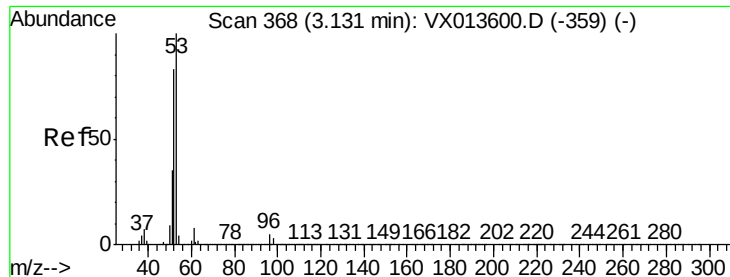
Ion Ratio Lower Upper

41 100

39 65.8 51.7 77.5

76 33.1 25.9 38.9





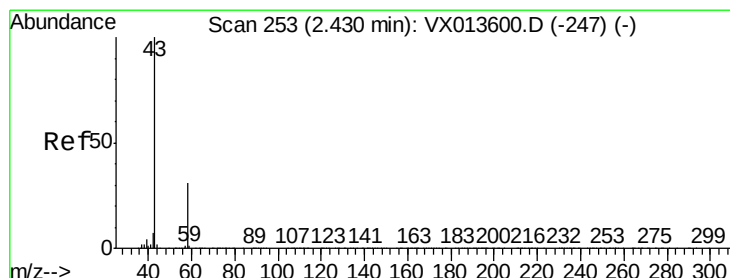
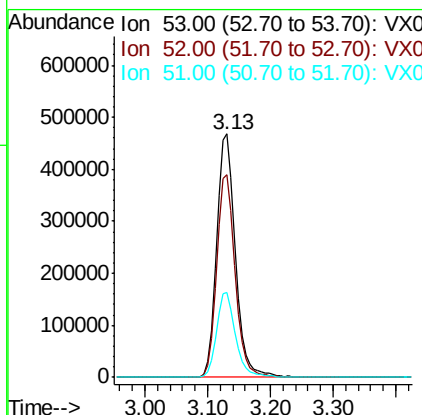
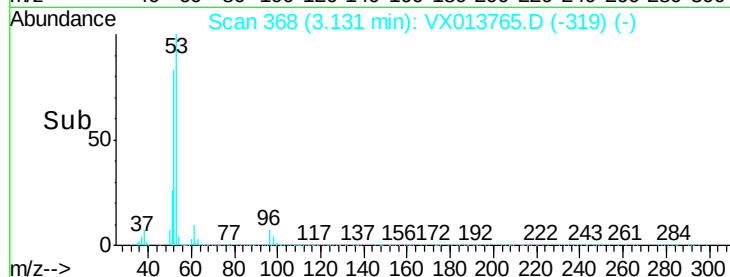
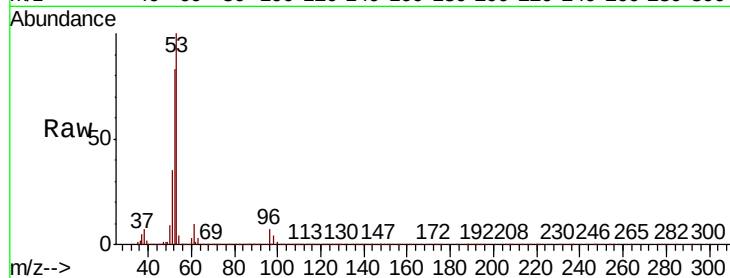
#15
 Acrylonitrile
 Concen: 233.423 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	35.3	29.0	43.6

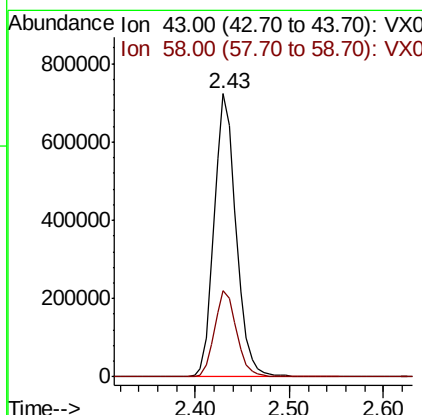
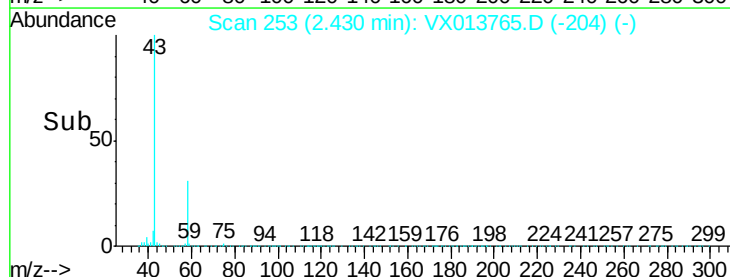
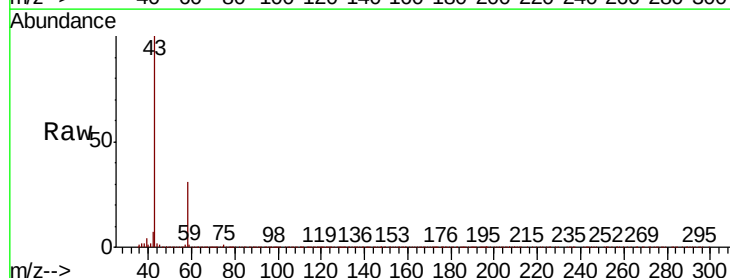
Manual Integrations
 APPROVED

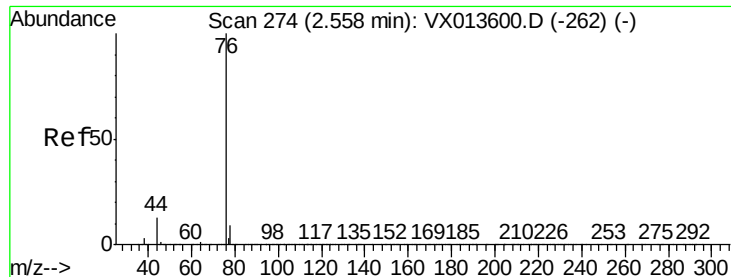
apatel
 12/6/2019 9:30:18 AM



#16
 Acetone
 Concen: 290.947 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.6	36.8





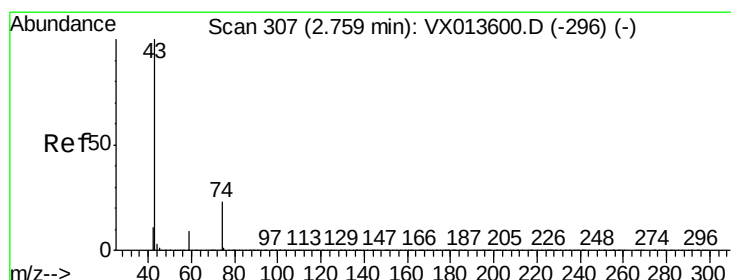
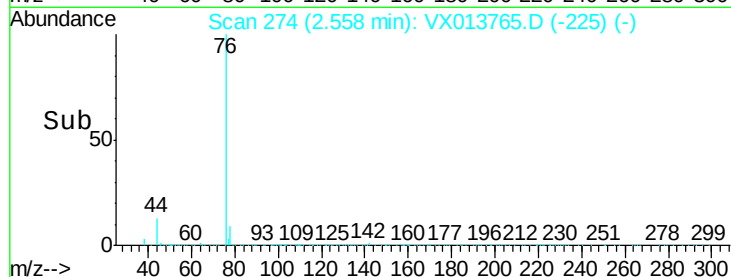
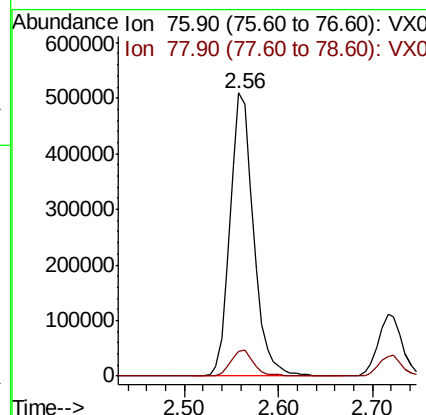
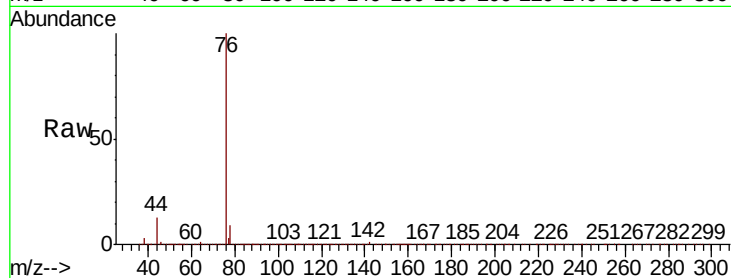
#17
Carbon Disulfide
Concen: 46.510 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

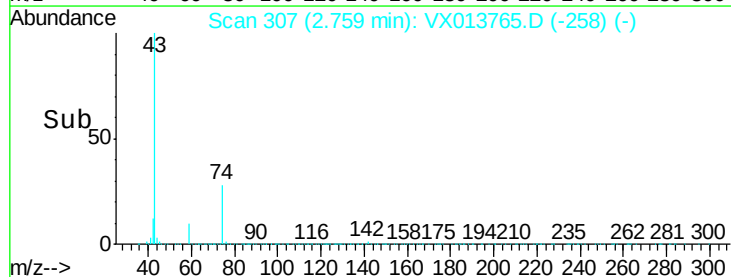
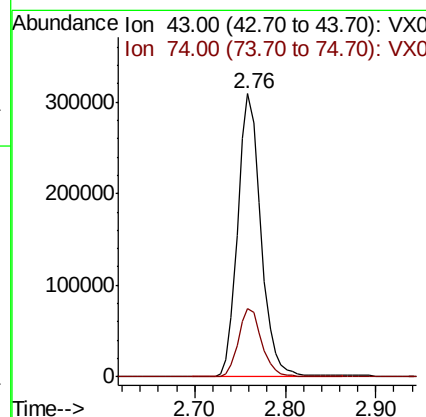
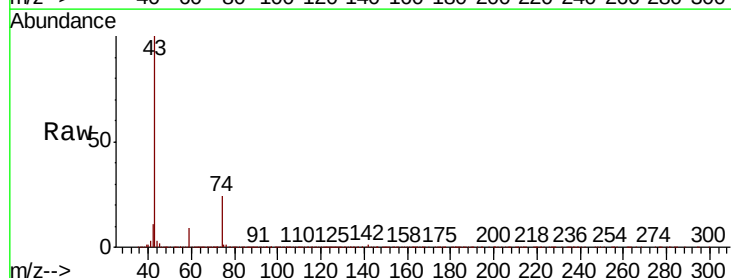
Manual Integrations
APPROVED

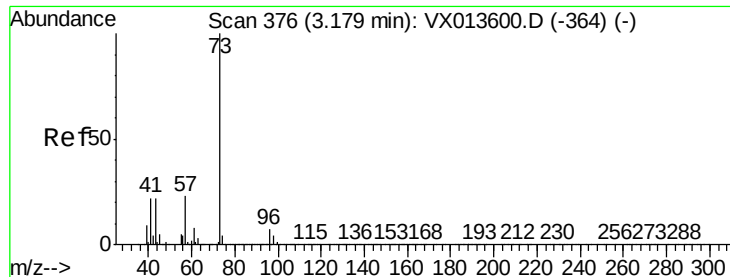
apatel
12/6/2019 9:30:18 AM



#18
Methyl Acetate
Concen: 49.561 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.5	29.3





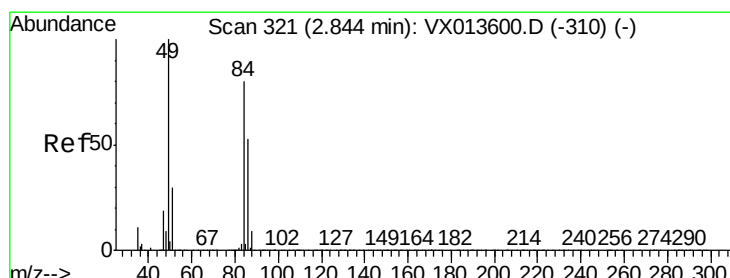
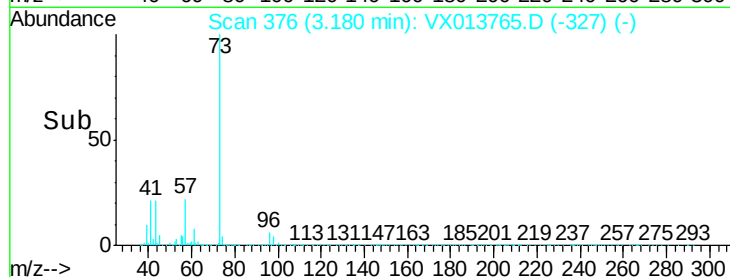
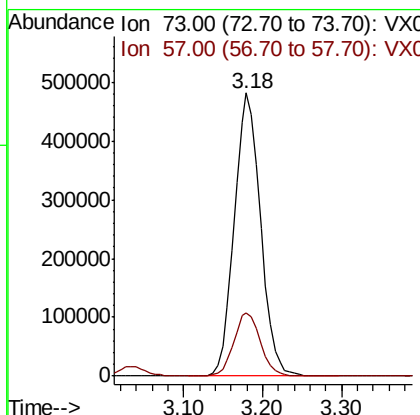
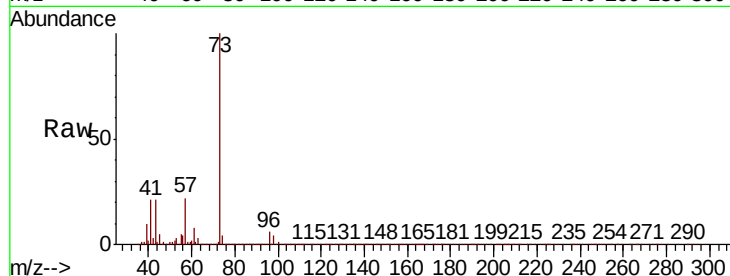
#19
Methyl tert-butyl Ether
Concen: 50.590 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.3	27.5

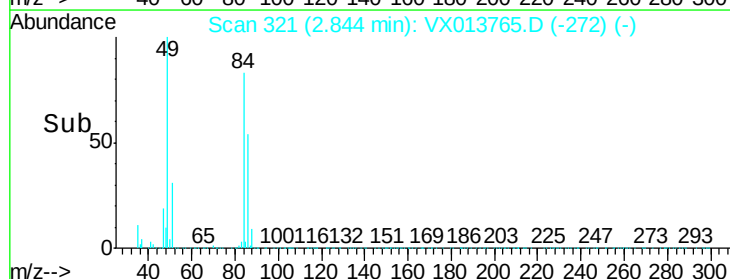
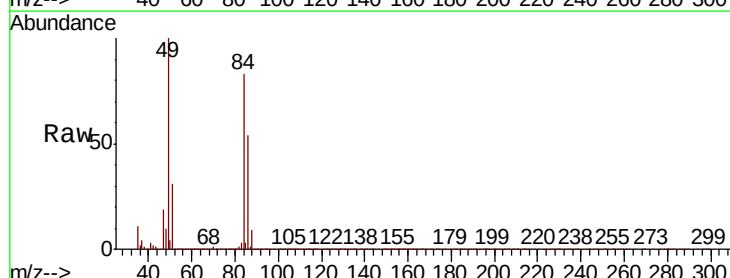
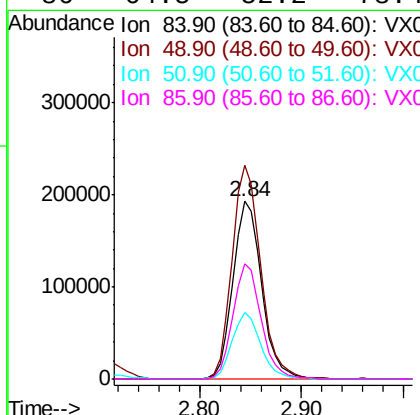
Manual Integrations
APPROVED

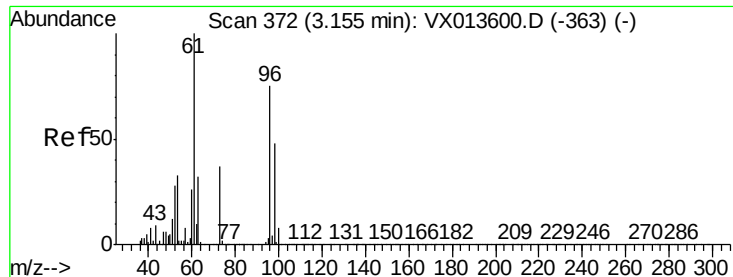
apatel
12/6/2019 9:30:18 AM



#20
Methylene Chloride
Concen: 48.759 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	99.7	149.5
51	37.5	29.9	44.9
86	64.5	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 49.007 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

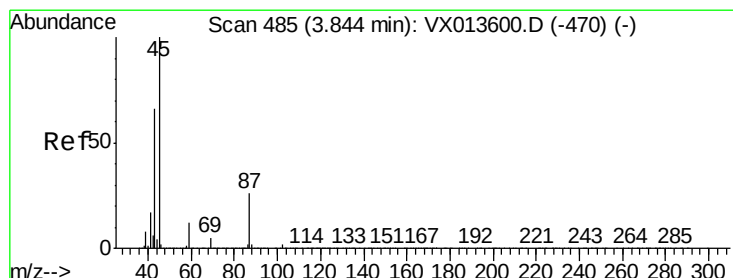
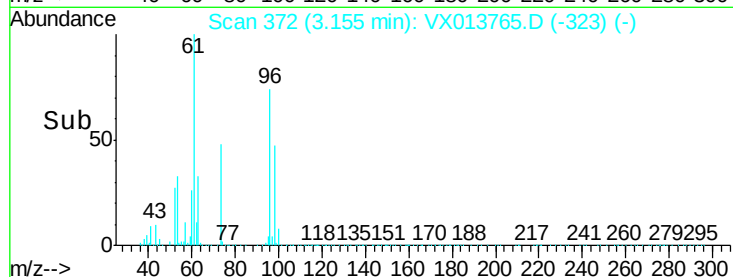
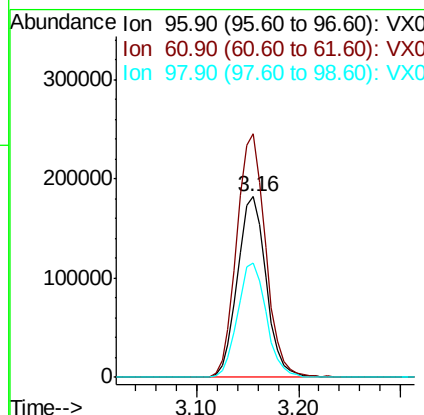
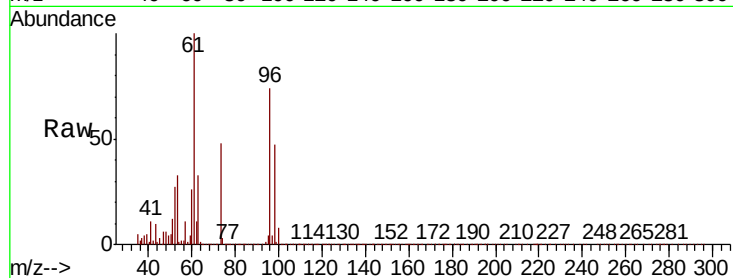
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	354600
Ion	Ratio	Lower	Upper
96	100		
61	134.7	107.2	160.8
98	63.4	51.4	77.0

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#22

Diisopropyl ether

Concen: 50.928 ug/l

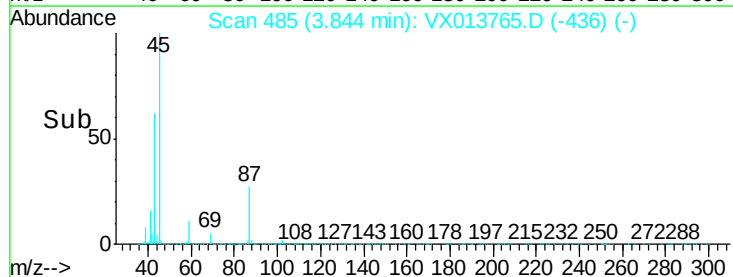
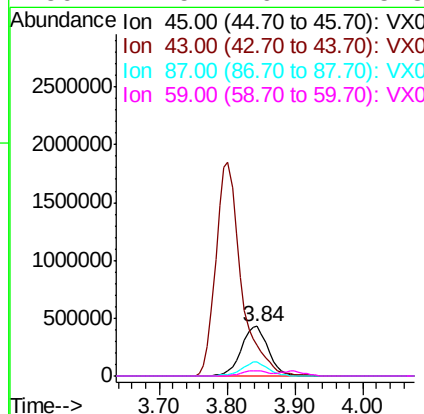
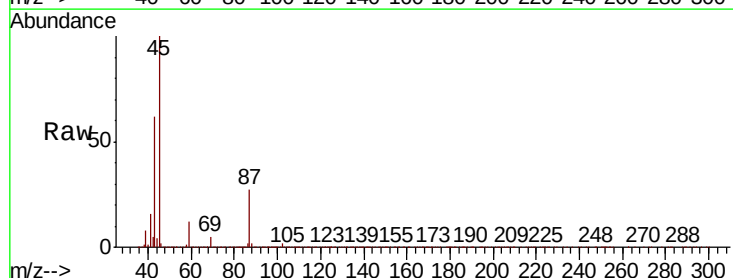
RT: 3.84 min Scan# 485

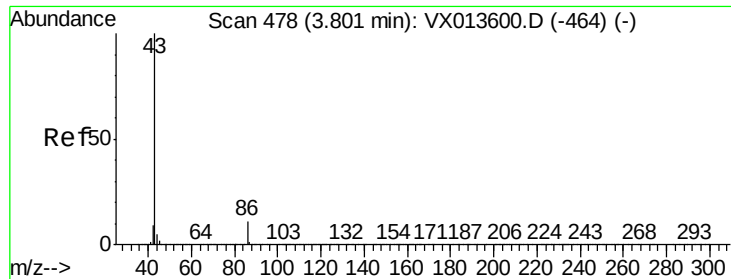
Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion:	45	Resp:	1182030
Ion	Ratio	Lower	Upper
45	100		
43	61.3	52.6	79.0
87	27.4	21.1	31.7
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 248.324 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4794639

Ion Ratio Lower Upper

43 100

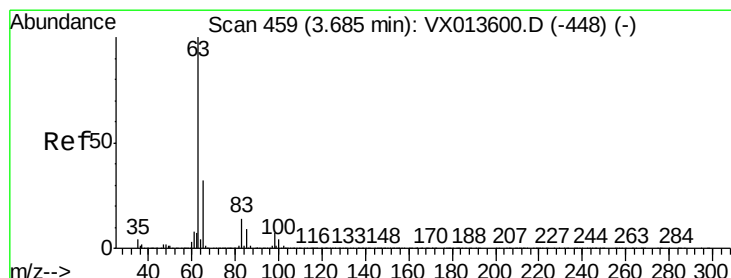
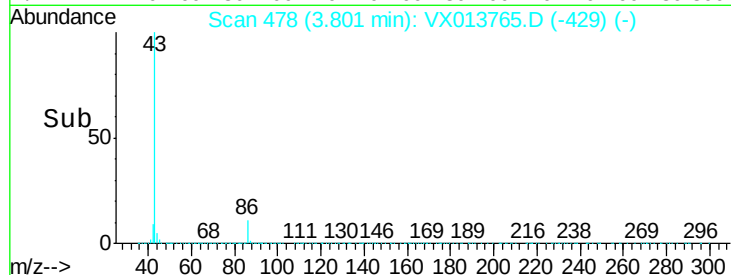
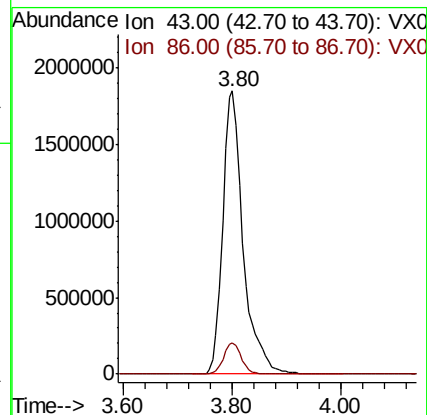
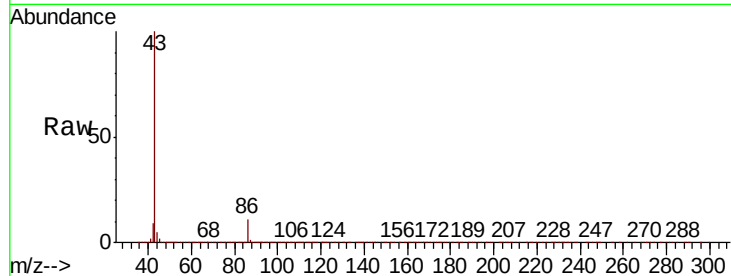
86 11.0 8.7 13.1

Manual Integrations

APPROVED

apatel

12/6/2019 9:30:18 AM



#24

1,1-Dichloroethane

Concen: 50.824 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

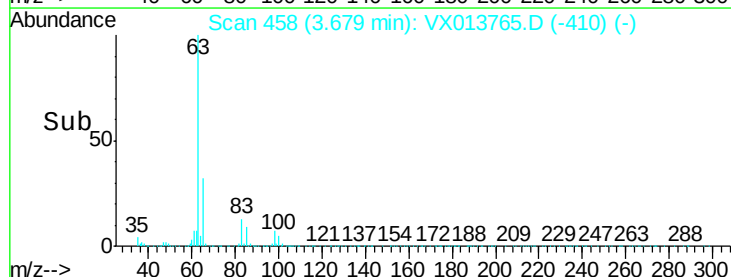
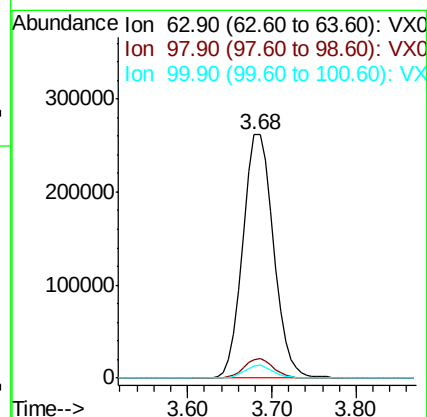
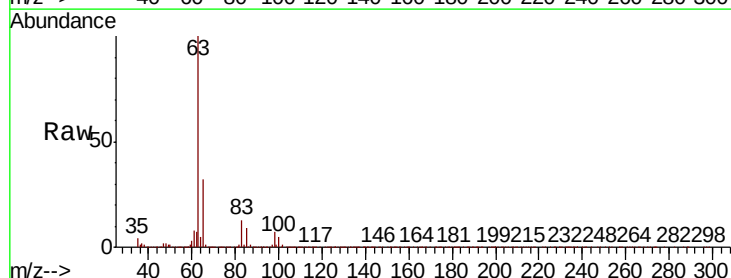
Tgt Ion: 63 Resp: 644851

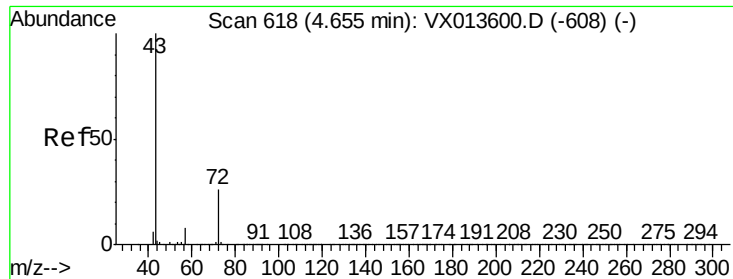
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.8 2.1 6.3





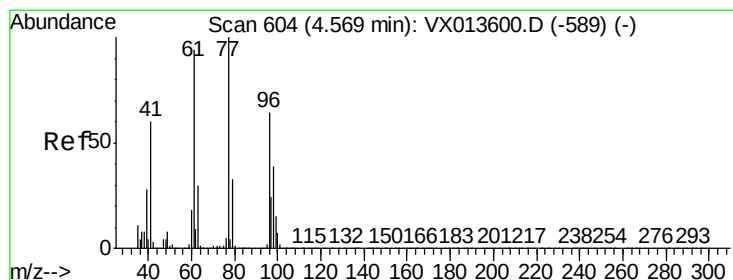
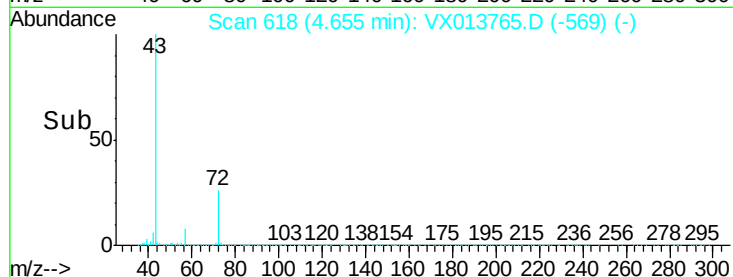
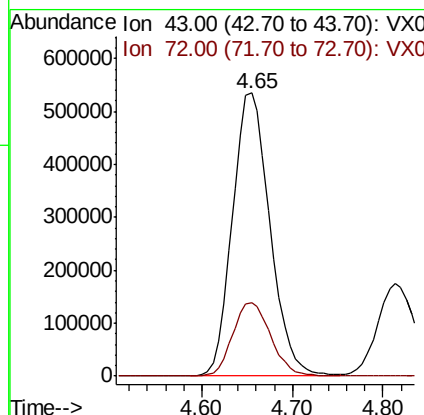
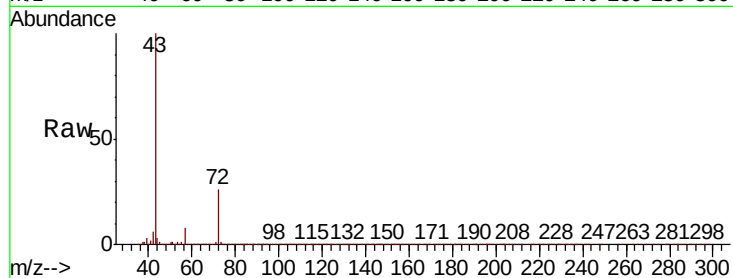
#25
2-Butanone
Concen: 256.800 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1526529
Ion Ratio Lower Upper
43 100
72 26.0 20.6 31.0

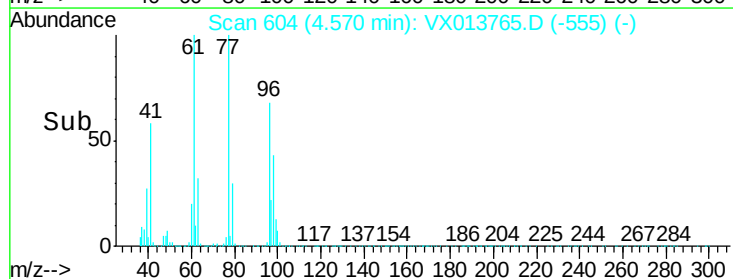
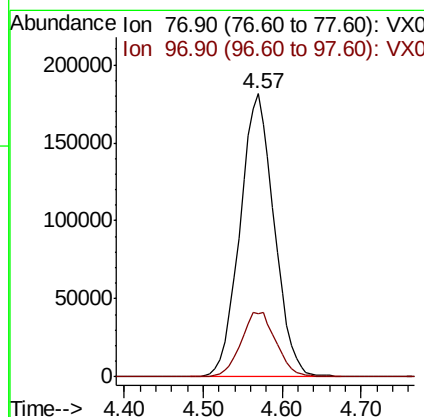
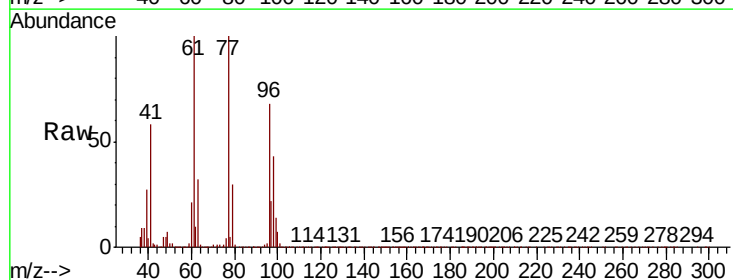
Manual Integrations
APPROVED

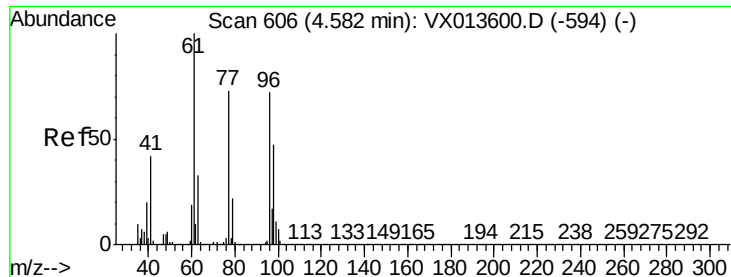
apatel
12/6/2019 9:30:18 AM



#26
2,2-Dichloropropane
Concen: 51.904 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion: 77 Resp: 544868
Ion Ratio Lower Upper
77 100
97 23.4 12.0 36.1





#27

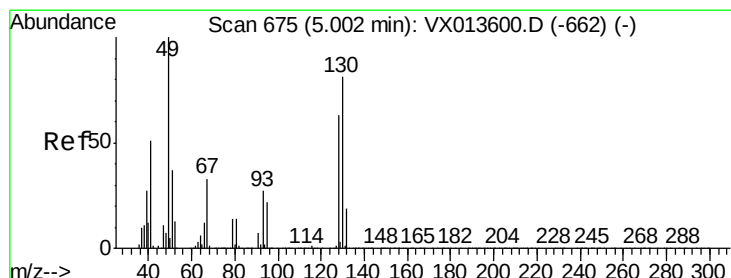
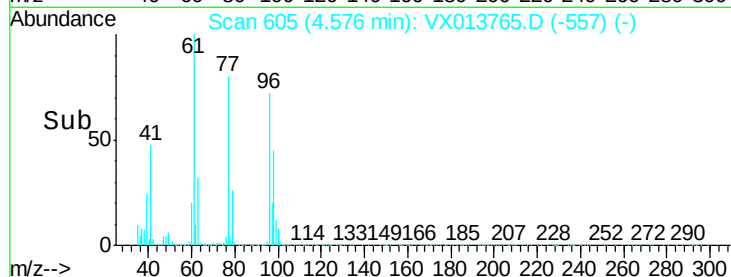
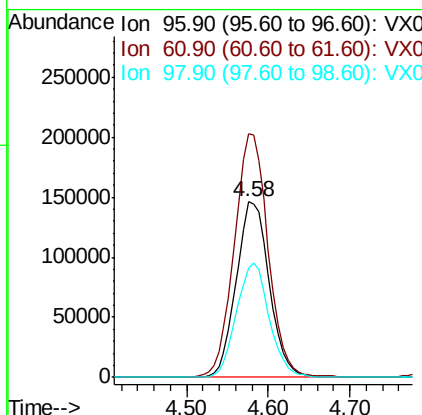
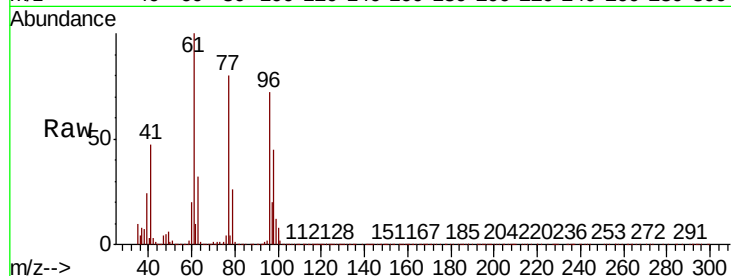
cis-1,2-Dichloroethene
Concen: 49.403 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	410518		
61	141.7	0.0	286.4	
98	64.7	0.0	127.4	

Manual Integrations
APPROVED

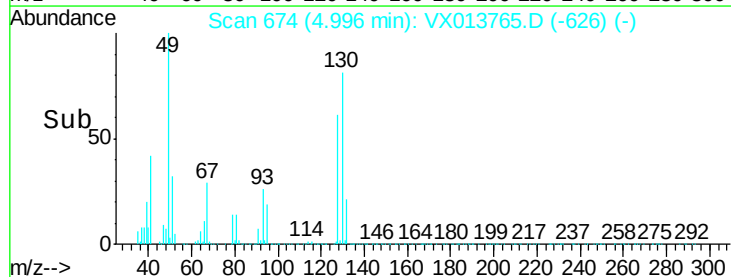
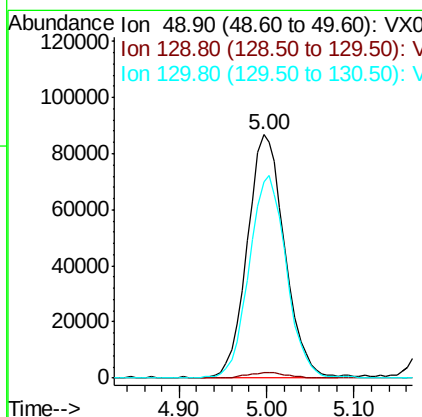
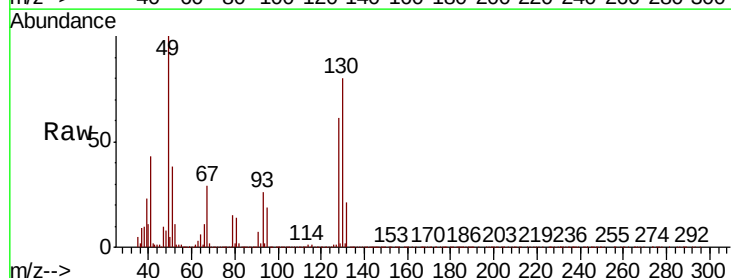
apatel
12/6/2019 9:30:18 AM

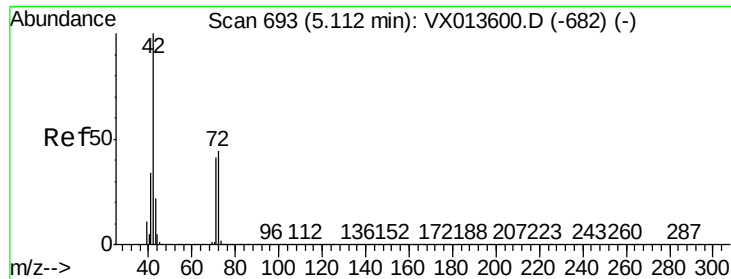


#28

Bromochloromethane
Concen: 51.635 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	258894		
129	2.4	0.0	5.0	
130	83.0	65.4	98.0	





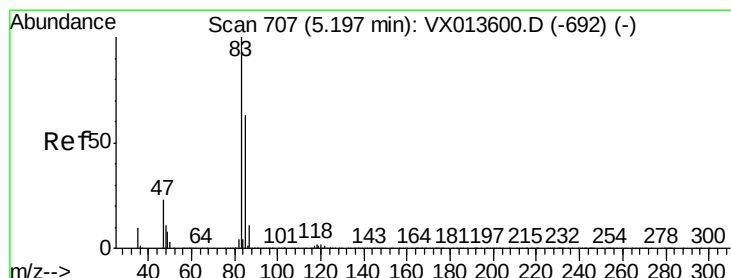
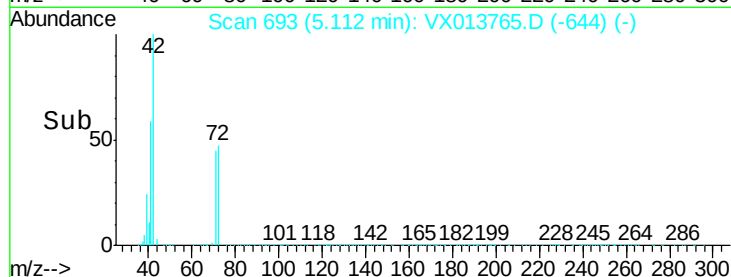
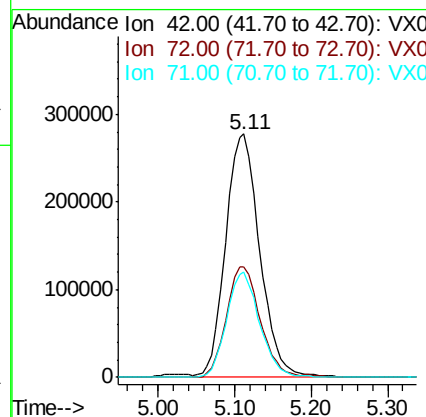
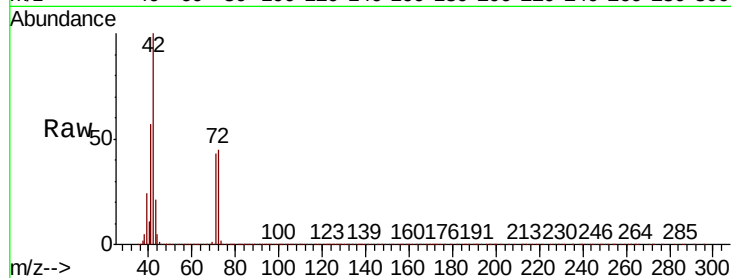
#29
Tetrahydrofuran
Concen: 231.704 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	849091
Ion Ratio		Lower	Upper
42	100		
72	45.5	36.3	54.5
71	42.1	33.2	49.8

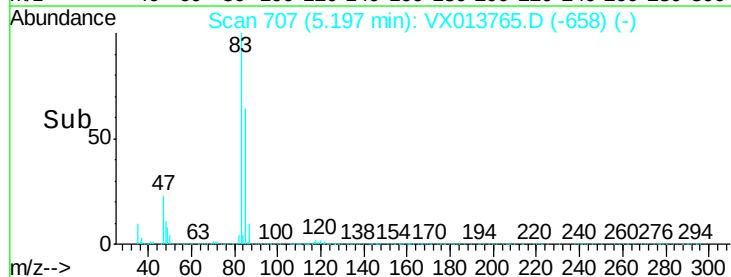
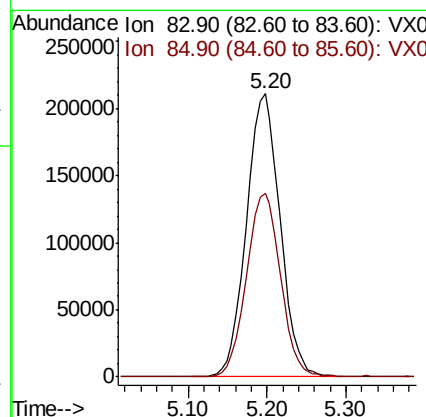
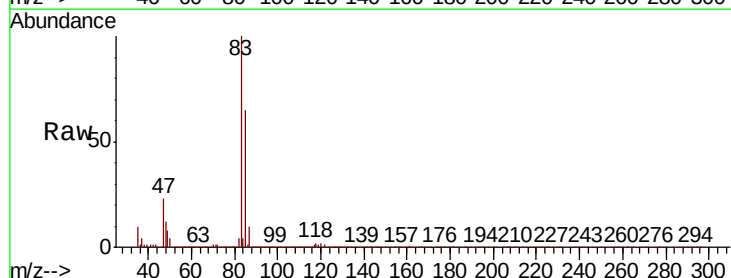
Manual Integrations
APPROVED

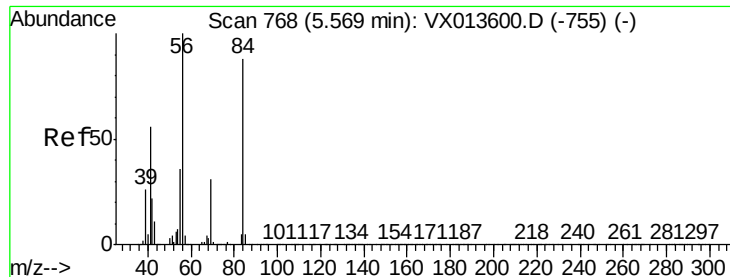
apatel
12/6/2019 9:30:18 AM



#30
Chloroform
Concen: 48.680 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion:	83	Resp:	626387
Ion Ratio		Lower	Upper
83	100		
85	65.0	50.2	75.4





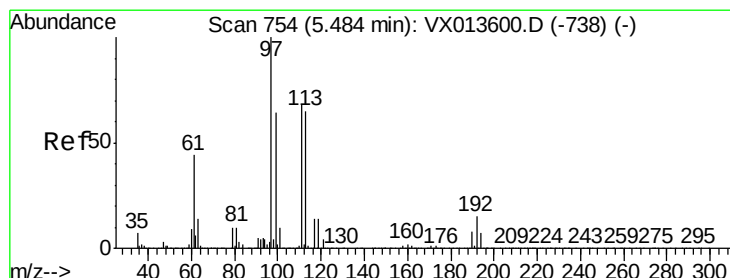
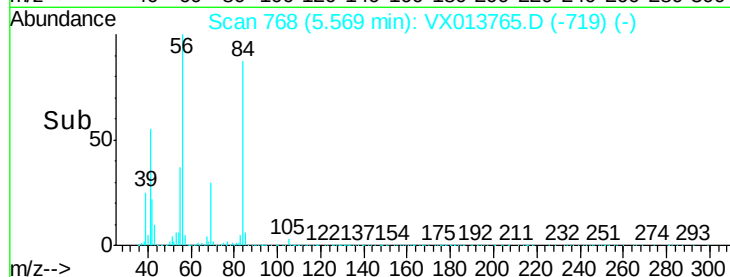
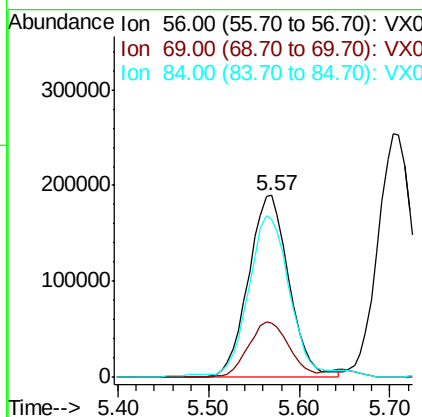
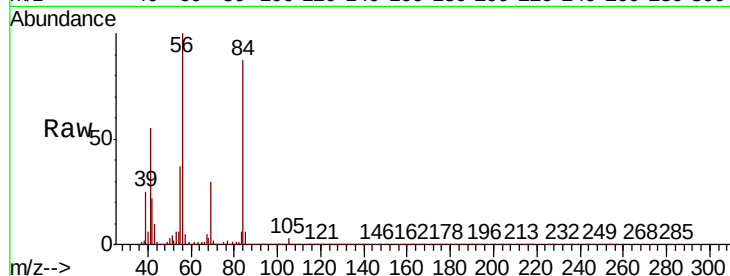
#31
Cyclohexane
Concen: 48.941 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.6	36.8
84	85.4	70.0	105.0

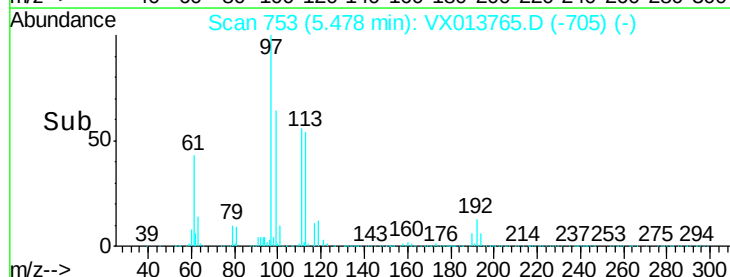
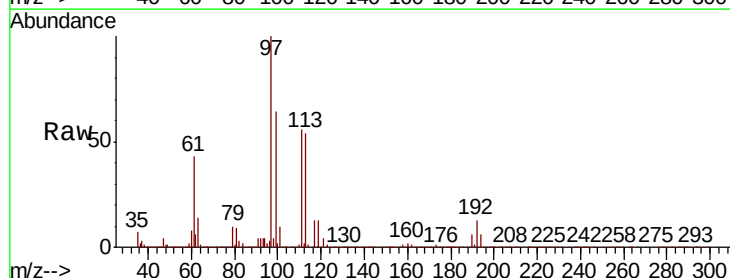
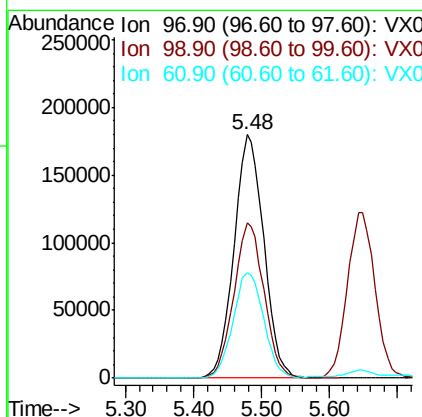
Manual Integrations
APPROVED

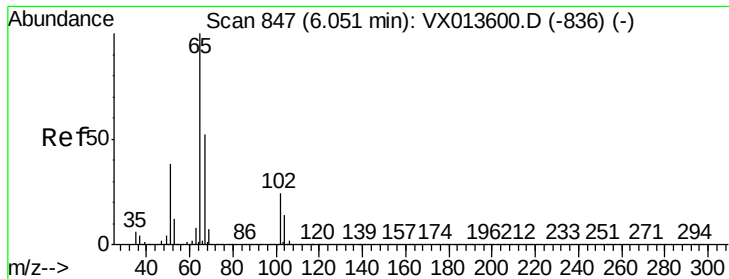
apatel
12/6/2019 9:30:18 AM



#32
1,1,1-Trichloroethane
Concen: 50.646 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	44.4	36.1	54.1





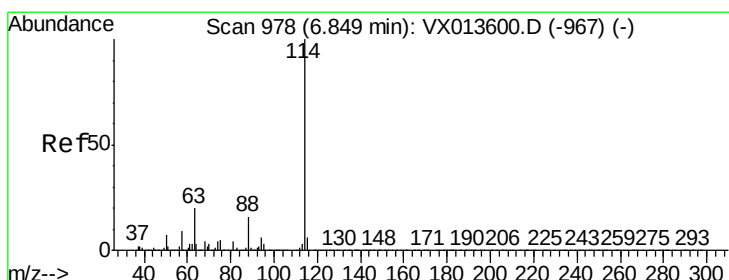
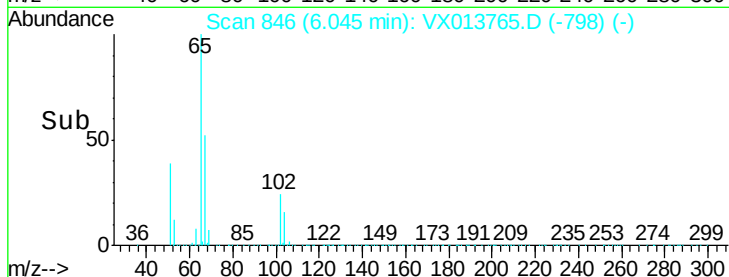
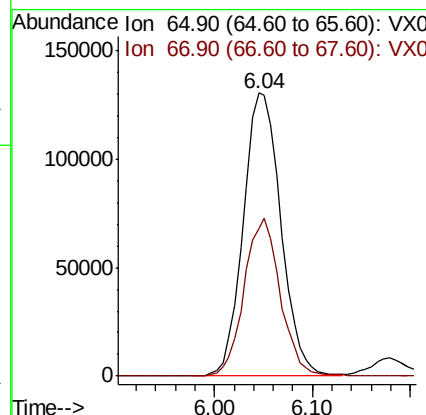
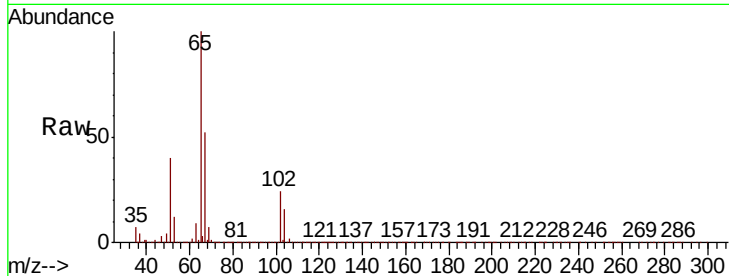
#33
 1,2-Dichloroethane-d4
 Concen: 42.700 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	104.4

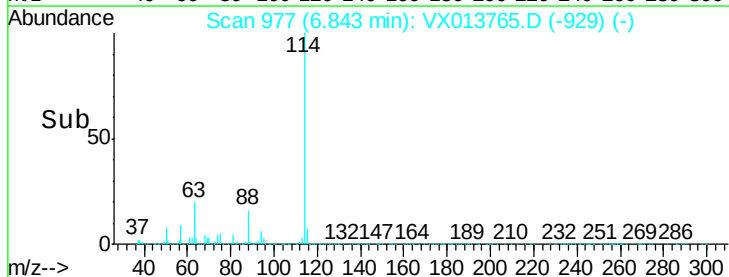
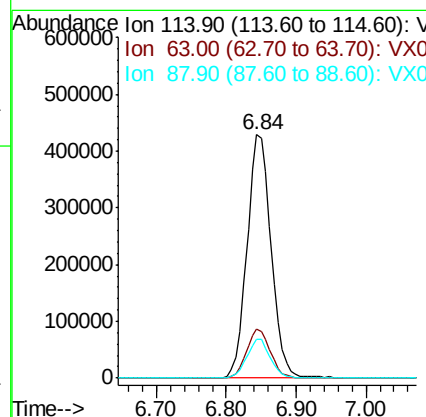
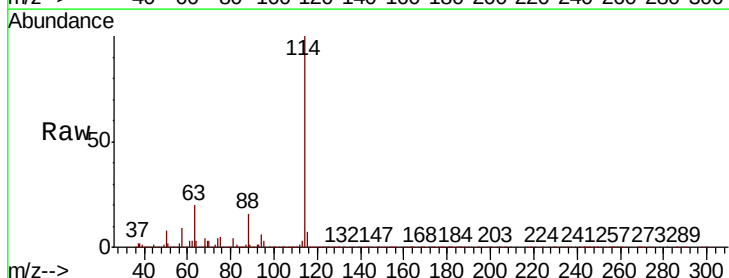
Manual Integrations
 APPROVED

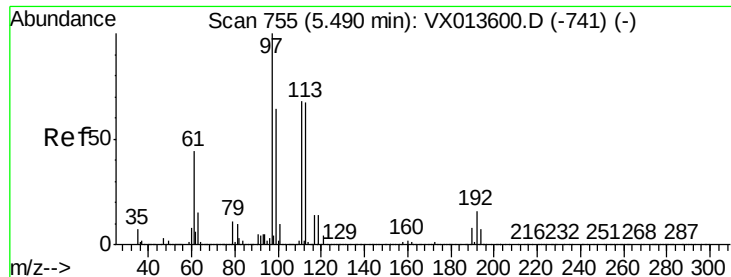
apatel
 12/6/2019 9:30:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.6
88	15.8	0.0	31.4





#35

Dibromofluoromethane

Concen: 46.438 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

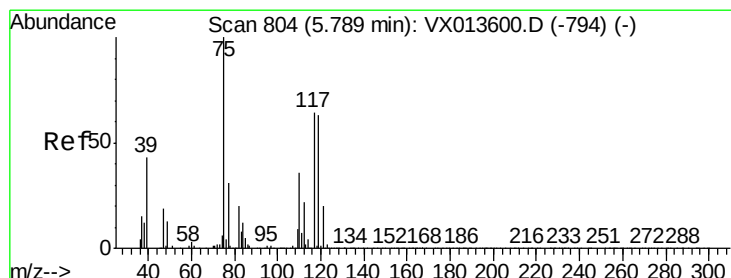
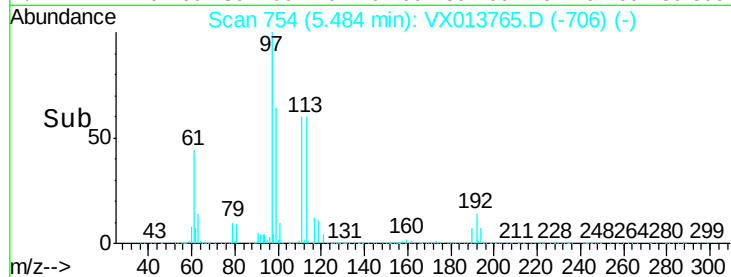
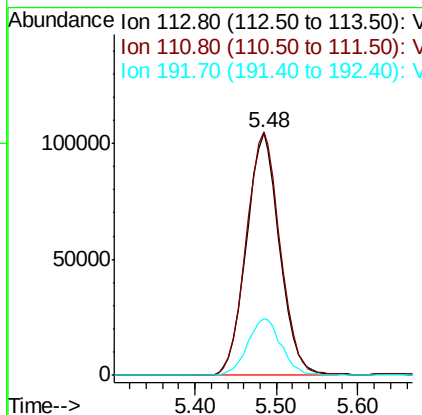
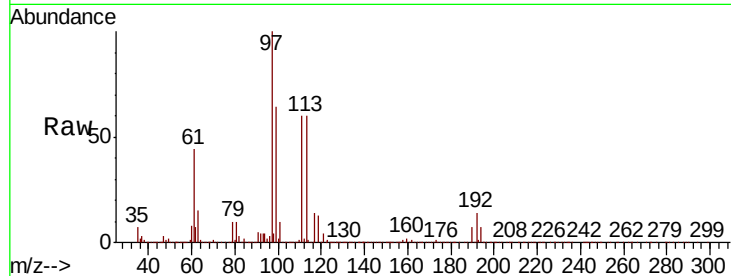
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	293922
Ion Ratio	Lower	Upper	
113	100		
111	103.0	83.6	125.4
192	24.2	19.2	28.8

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#36

1,1-Dichloropropene

Concen: 52.027 ug/l

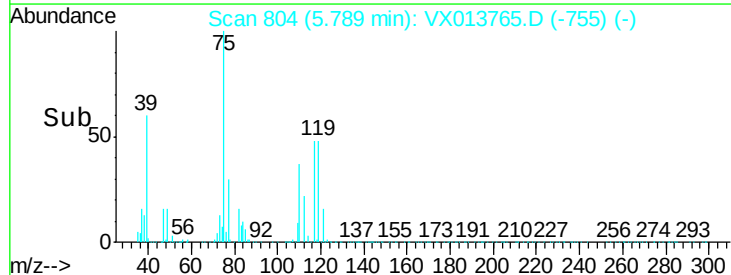
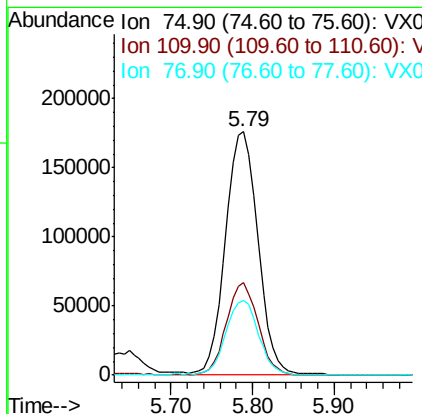
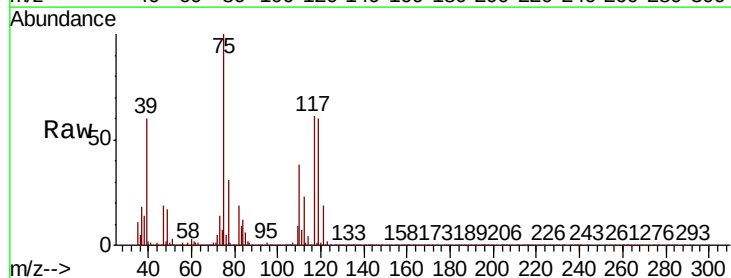
RT: 5.79 min Scan# 804

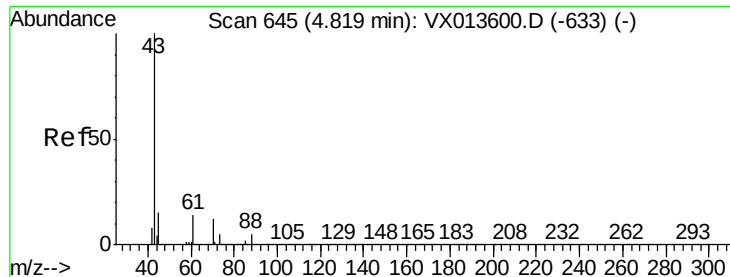
Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion:	75	Resp:	483521
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.1	54.1
77	30.6	24.5	36.7





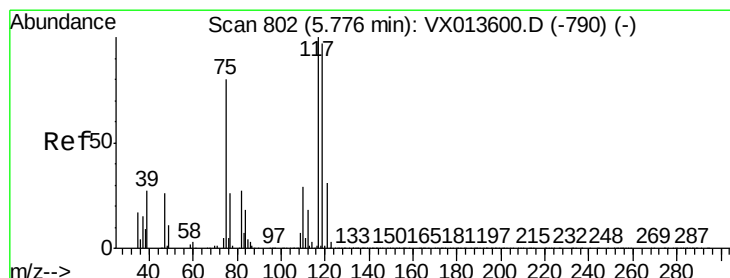
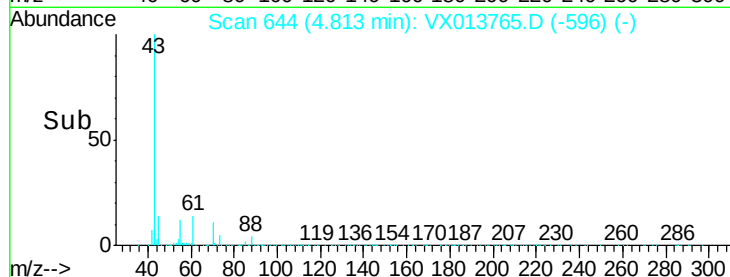
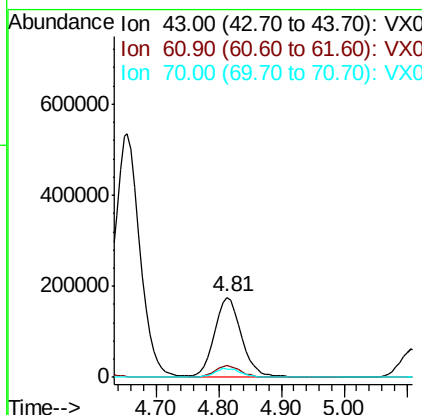
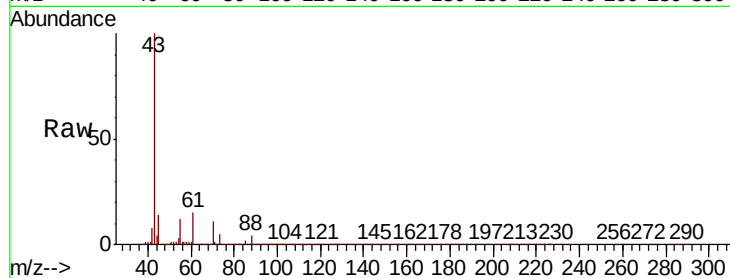
#37
Ethyl Acetate
Concen: 49.872 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	519961
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	11.0	8.6	12.8

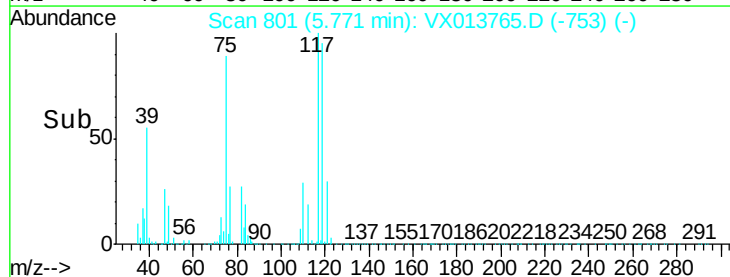
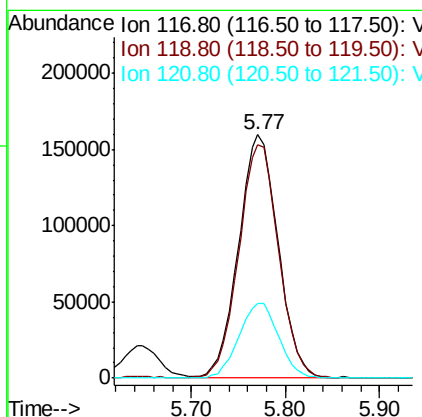
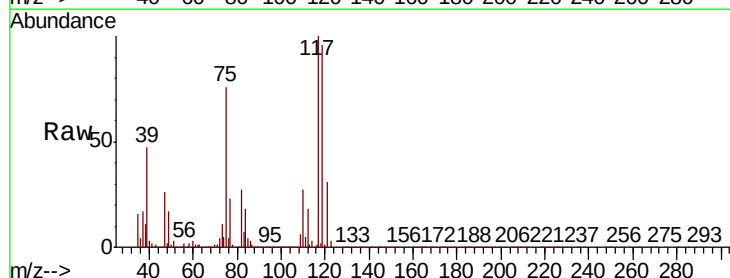
Manual Integrations
APPROVED

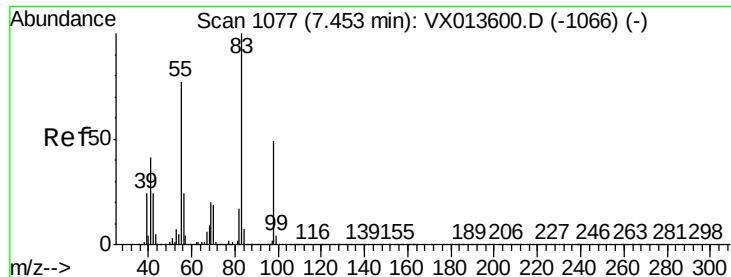
apatel
12/6/2019 9:30:18 AM



#38
Carbon Tetrachloride
Concen: 54.420 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion:	117	Resp:	466354
Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.5	116.3
121	30.6	25.0	37.6





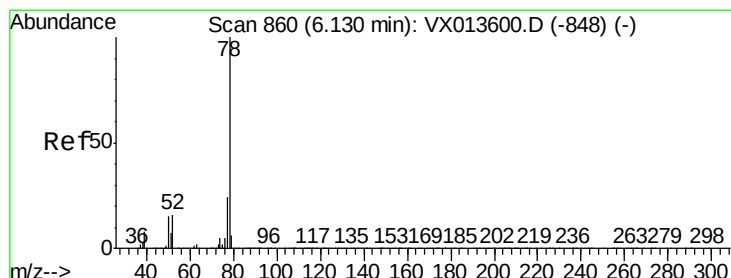
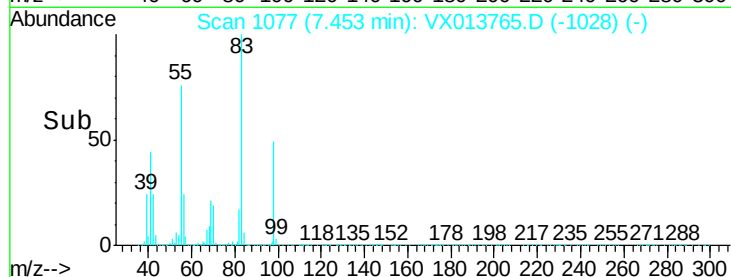
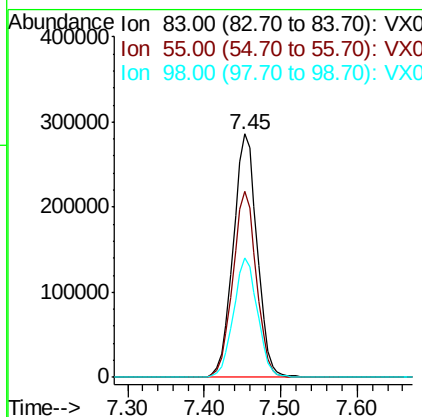
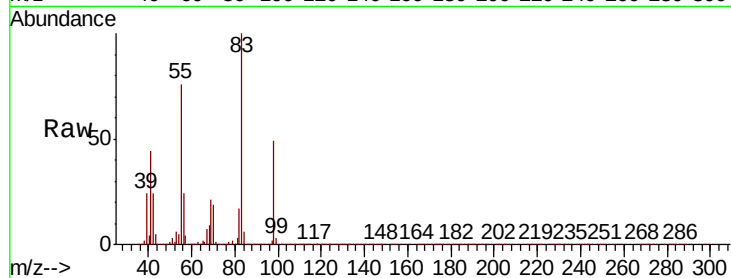
#39
Methylvlcyclohexane
Concen: 53.584 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.2	61.9	92.9	
98	49.2	39.4	59.0	

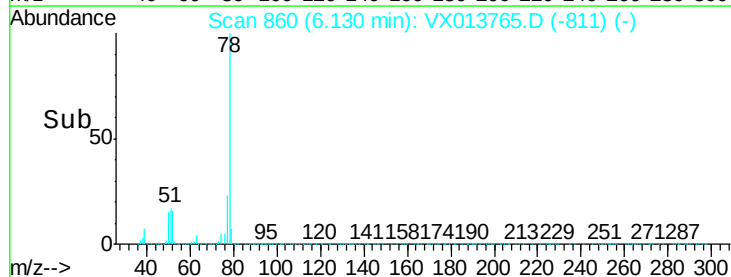
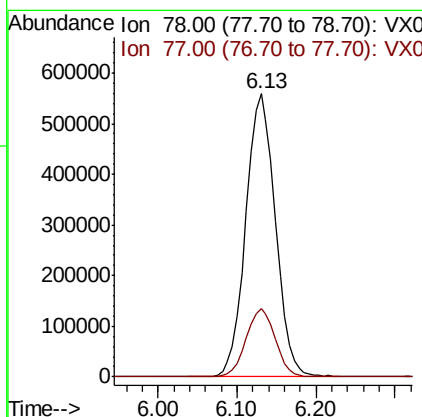
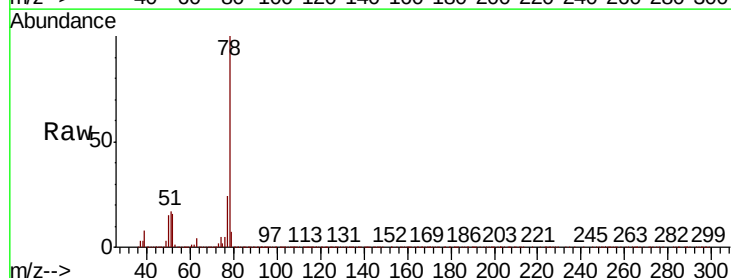
Manual Integrations
APPROVED

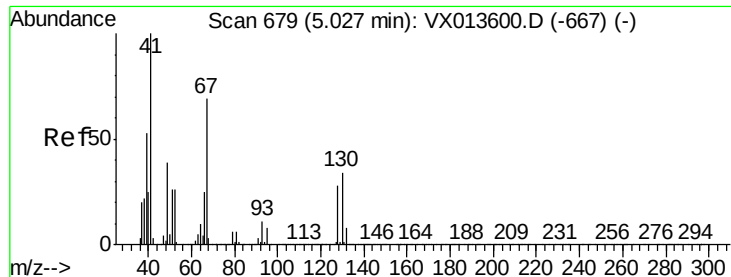
apatel
12/6/2019 9:30:18 AM



#40
Benzene
Concen: 51.578 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	19.0	28.4	





#41

Methacrylonitrile

Concen: 51.583 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

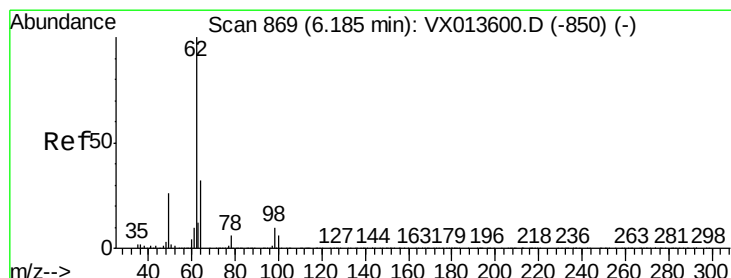
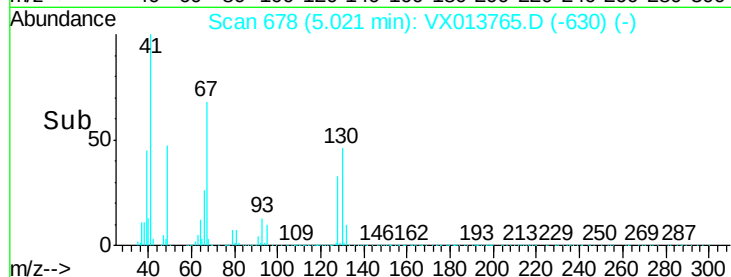
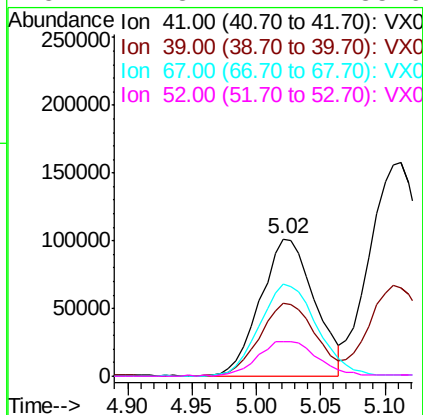
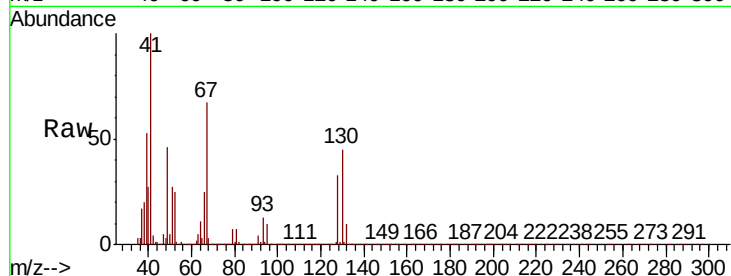
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.9	64.3
67	71.7	57.4	86.0
52	27.3	22.4	33.6

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#42

1,2-Dichloroethane

Concen: 52.375 ug/l

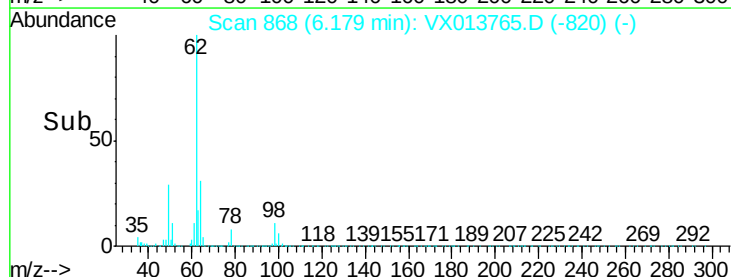
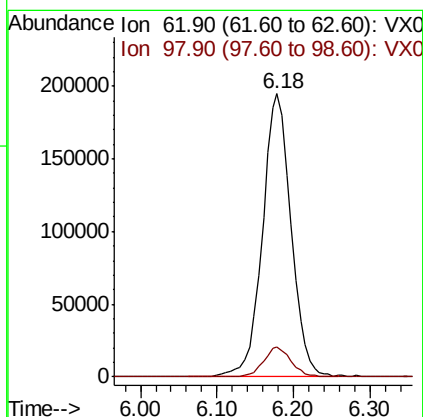
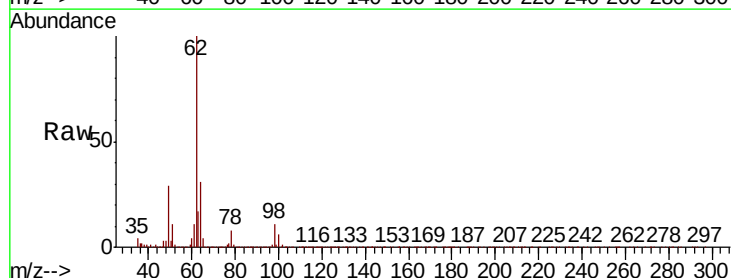
RT: 6.18 min Scan# 868

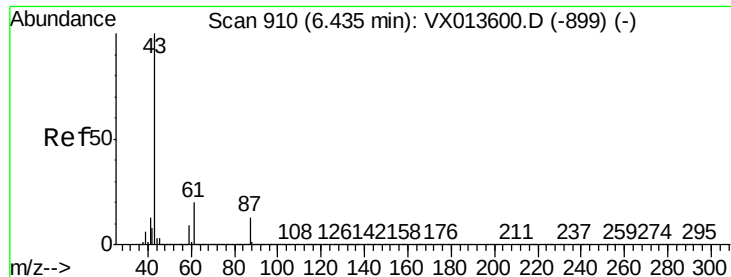
Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.8





#43

Isopropyl Acetate

Concen: 50.942 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

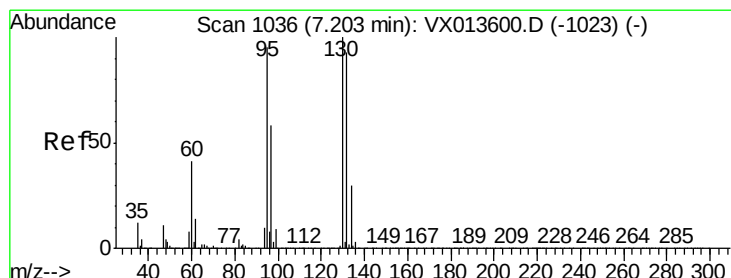
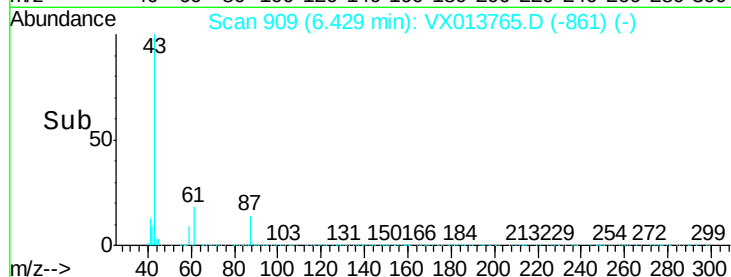
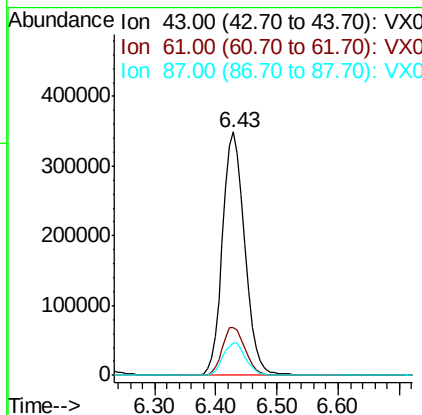
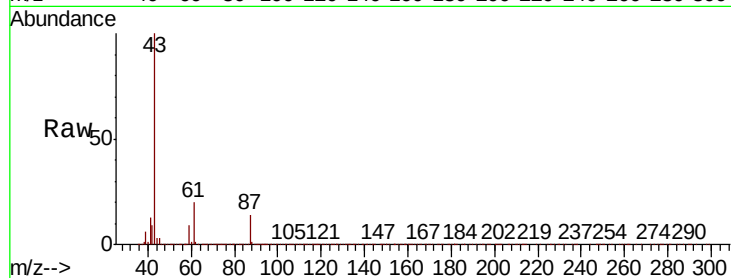
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	874393
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.3	24.5
87	13.5	10.8	16.2

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#44

Trichloroethene

Concen: 51.773 ug/l

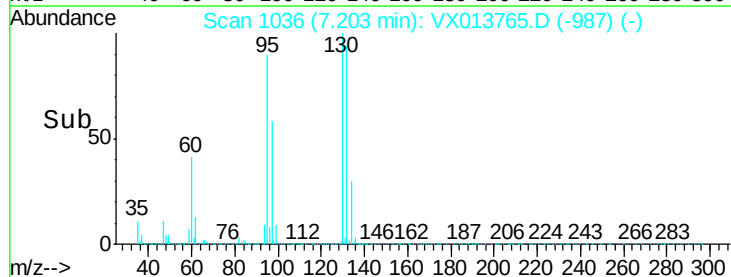
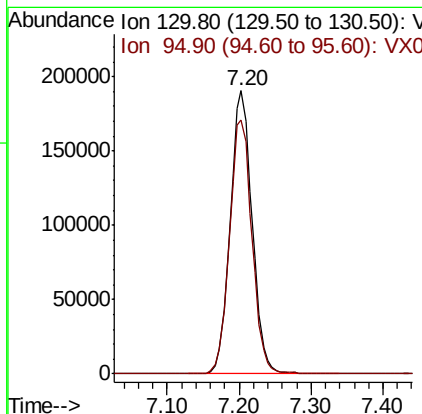
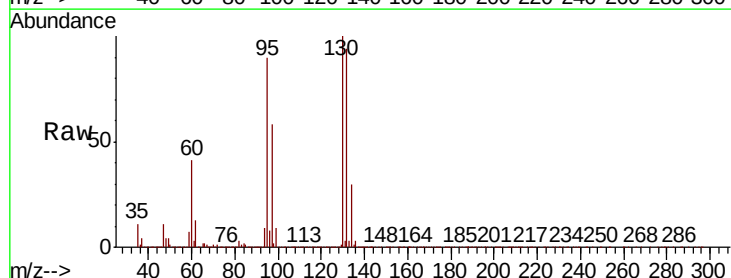
RT: 7.20 min Scan# 1036

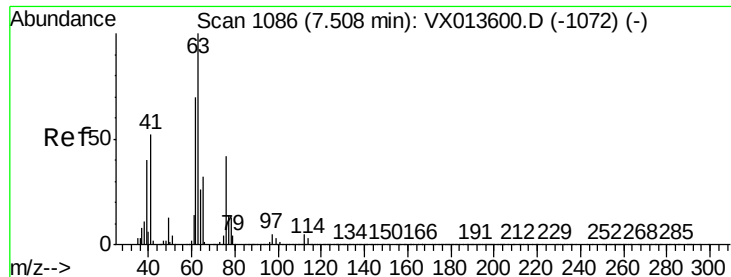
Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion:	130	Resp:	402189
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	190.8





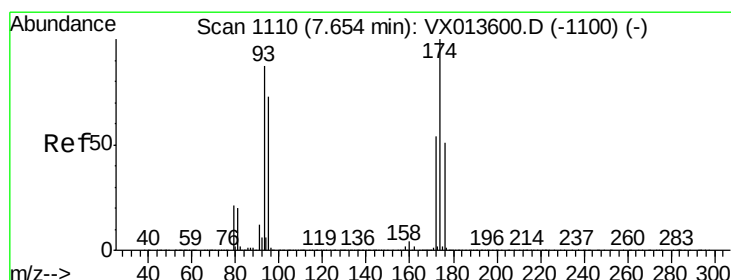
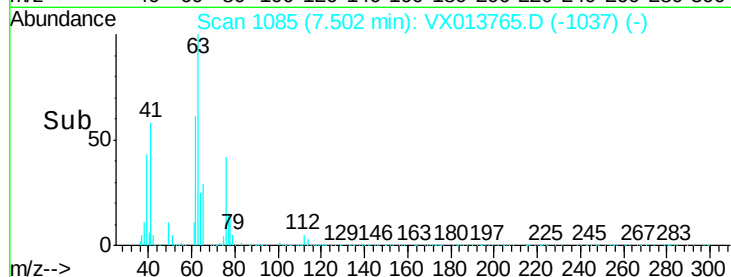
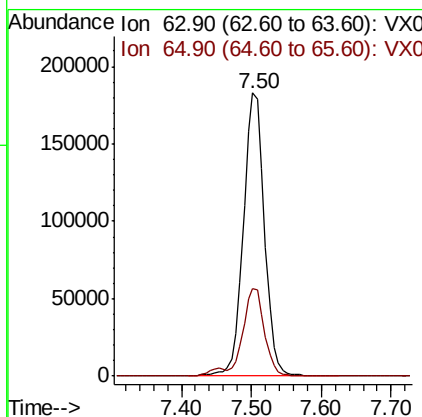
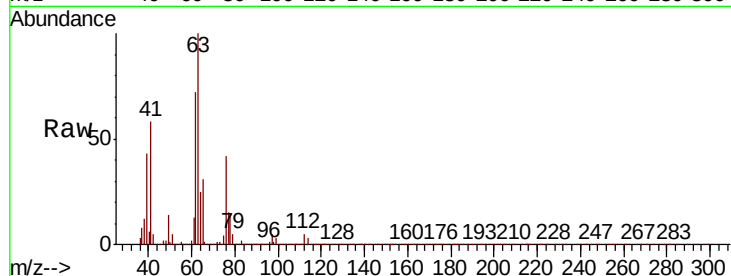
#45
 1,2-Dichloropropane
 Concen: 53.702 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.5	38.3

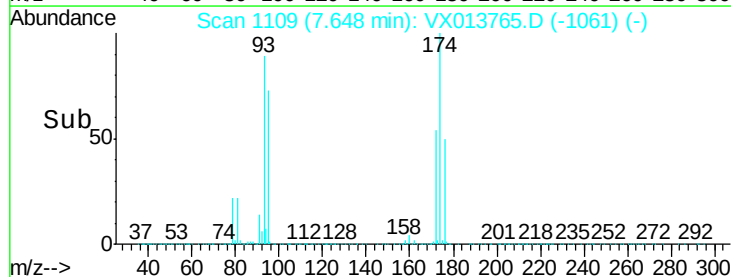
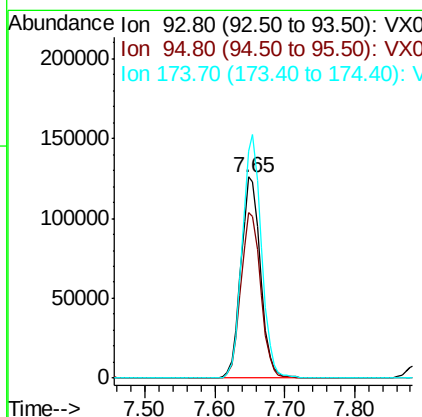
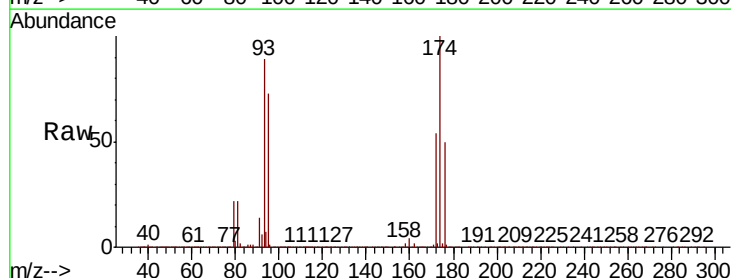
Manual Integrations
 APPROVED

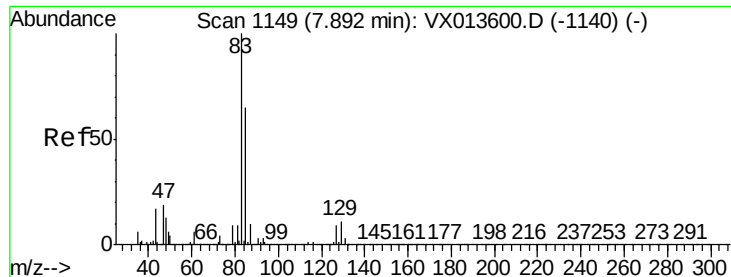
apatel
 12/6/2019 9:30:18 AM



#46
 Dibromomethane
 Concen: 51.139 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.2	99.2
174	118.1	93.4	140.0





#47

Bromodichloromethane

Concen: 55.515 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

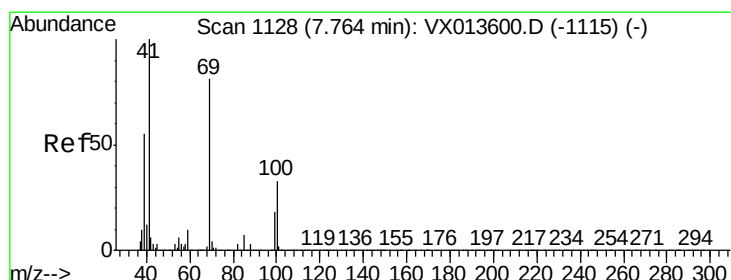
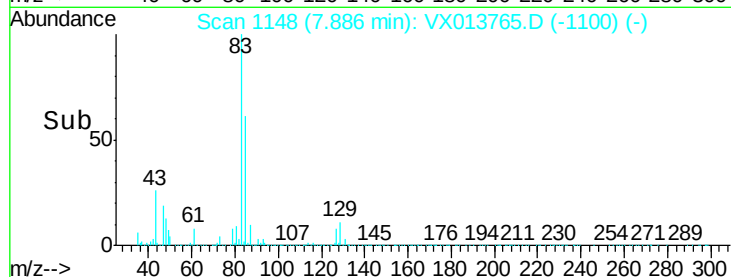
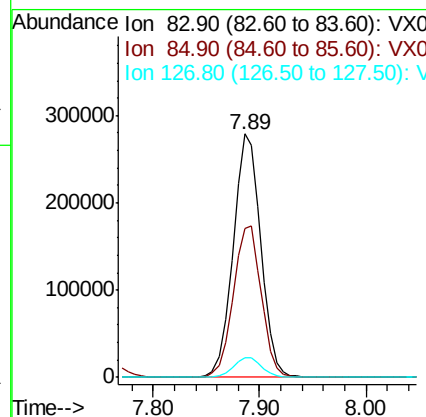
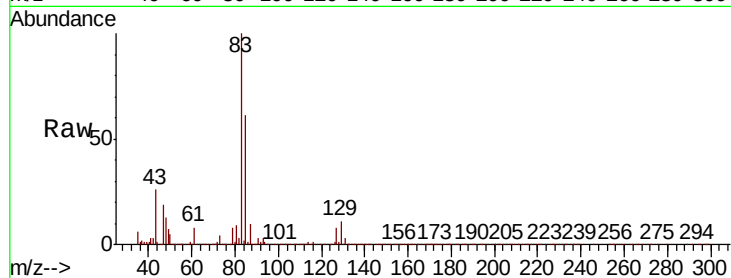
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	504787
Ion Ratio	Lower	Upper	
83	100		
85	61.3	52.1	78.1
127	8.1	7.0	10.4

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#48

Methyl methacrylate

Concen: 52.611 ug/l

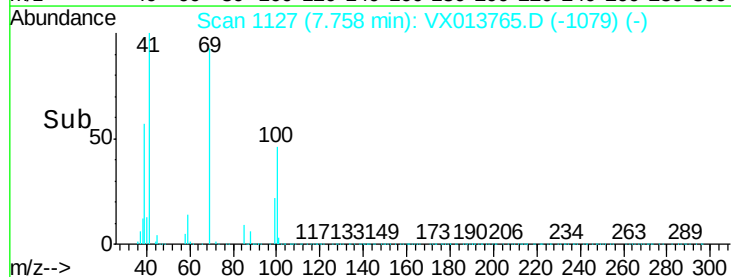
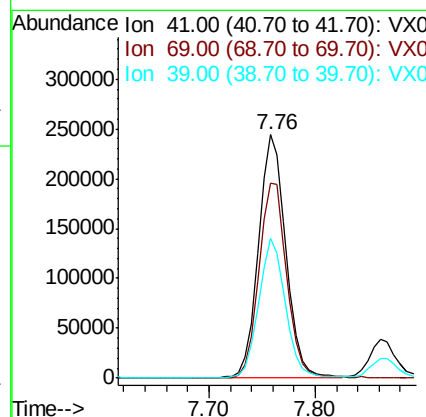
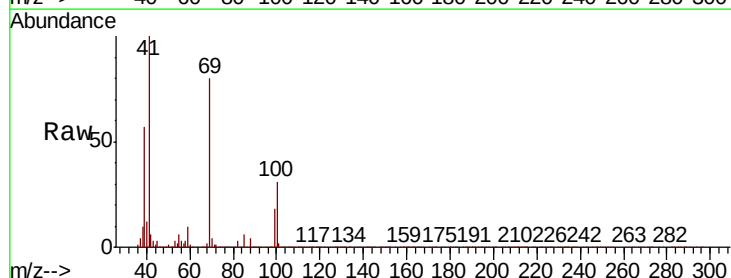
RT: 7.76 min Scan# 1127

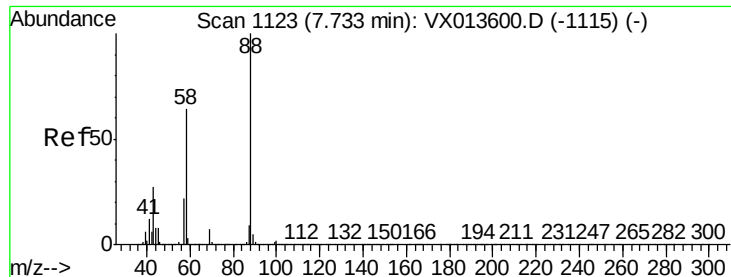
Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion:	41	Resp:	438766
Ion Ratio	Lower	Upper	
41	100		
69	82.2	64.7	97.1
39	56.1	43.8	65.6





#49

1,4-Dioxane

Concen: 829.924 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

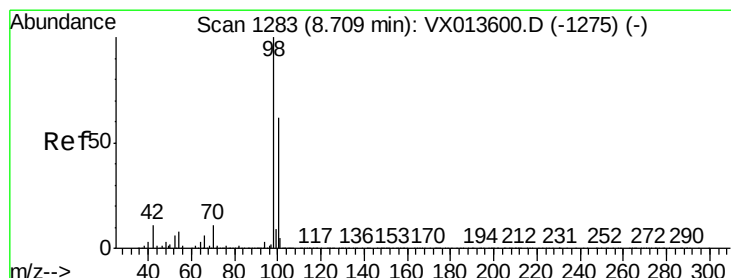
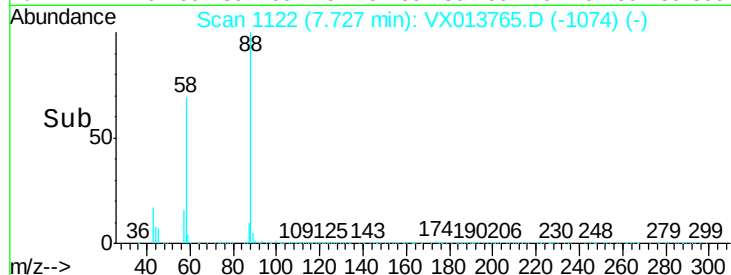
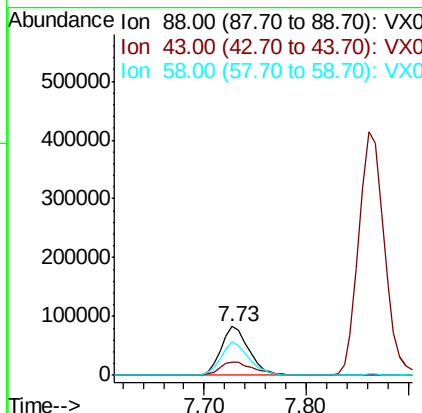
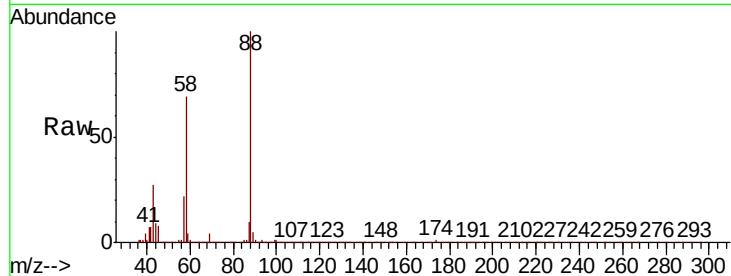
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	154928
Ion Ratio	Lower	Upper	
88	100		
43	33.6	25.8	38.6
58	70.8	54.6	82.0

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#50

Toluene-d8

Concen: 45.176 ug/l

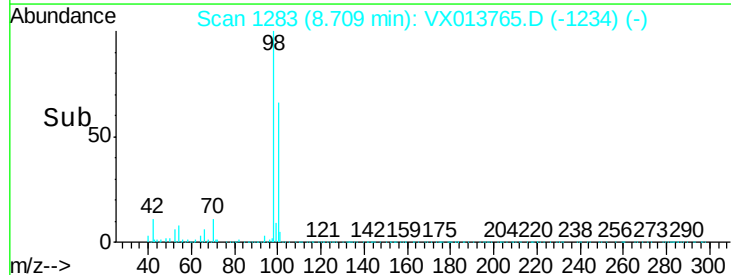
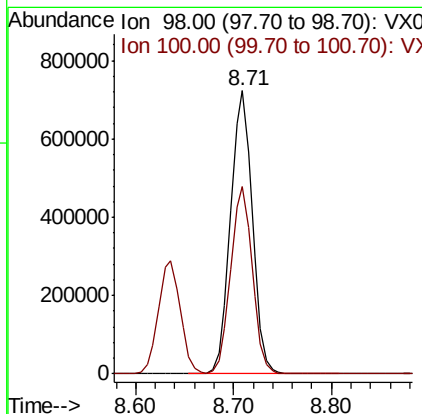
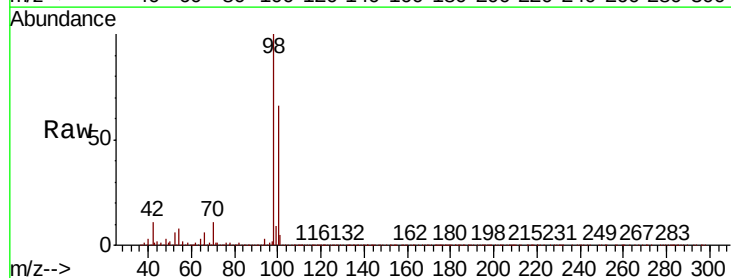
RT: 8.71 min Scan# 1283

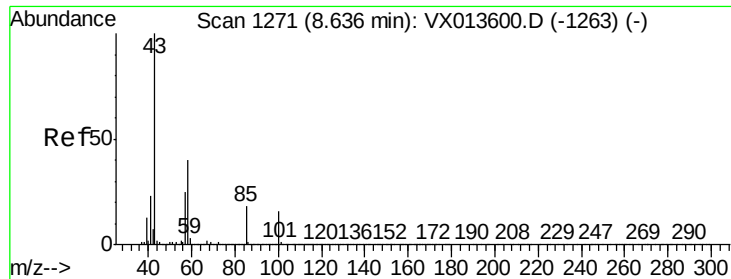
Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion:	98	Resp:	1114032
Ion Ratio	Lower	Upper	
98	100		
100	66.0	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 249.776 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2696804

Ion Ratio Lower Upper

43 100

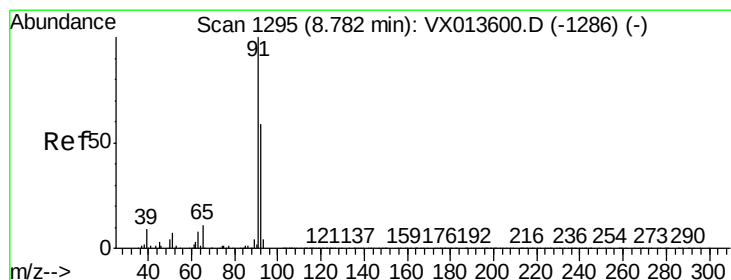
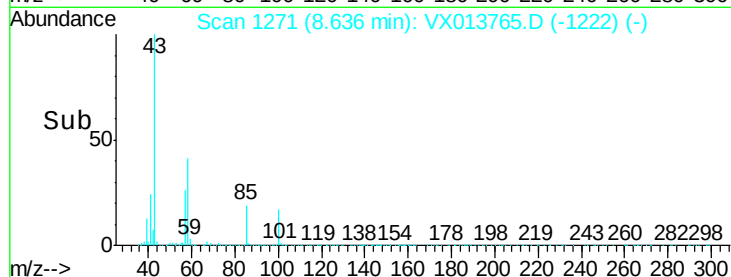
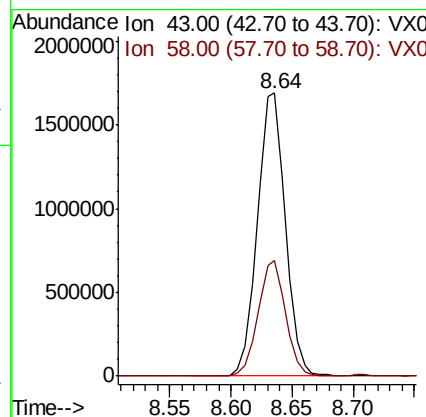
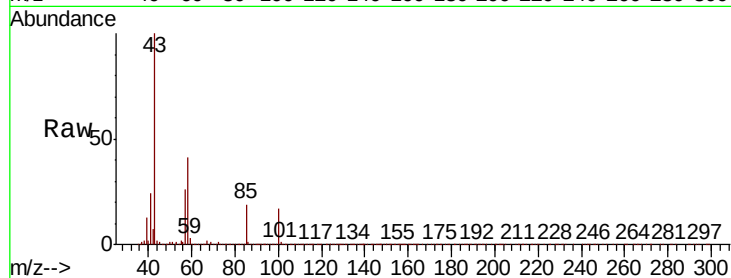
58 40.3 32.1 48.1

Manual Integrations

APPROVED

apatel

12/6/2019 9:30:18 AM



#52

Toluene

Concen: 53.067 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013765.D

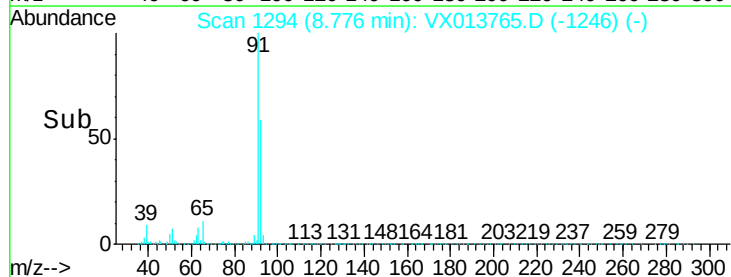
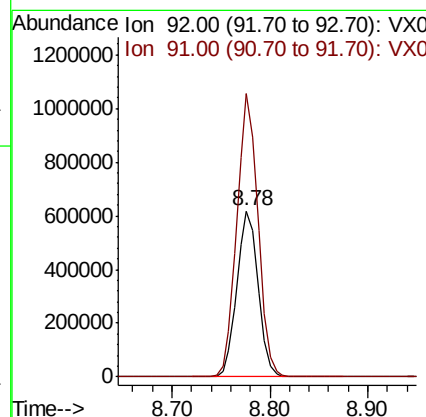
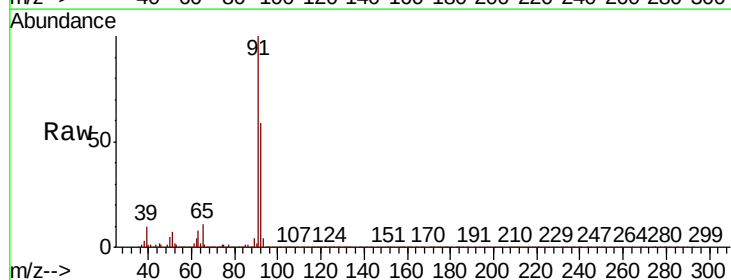
Acq: 05 Dec 2019 09:52

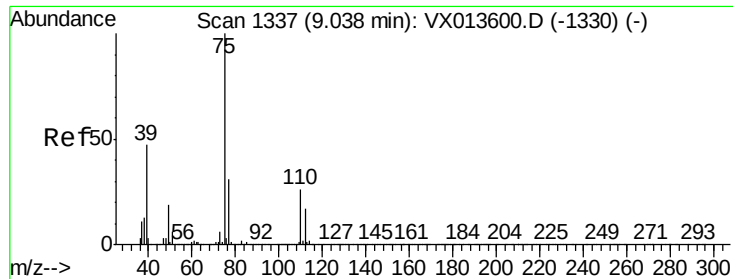
Tgt Ion: 92 Resp: 933140

Ion Ratio Lower Upper

92 100

91 170.1 136.2 204.2





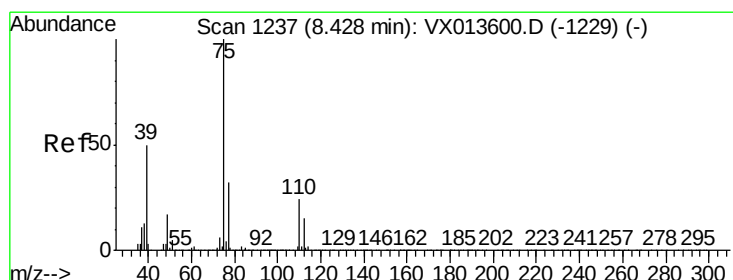
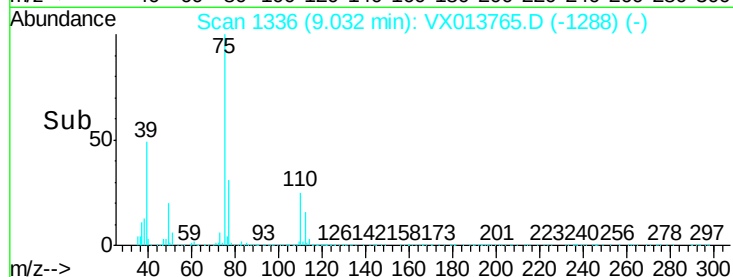
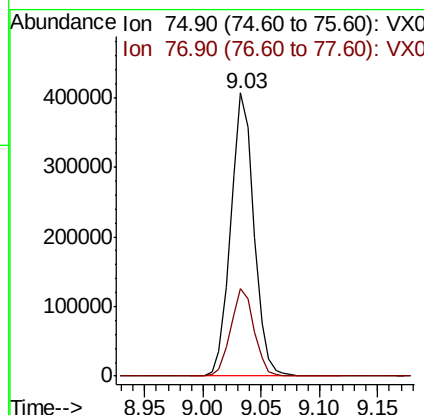
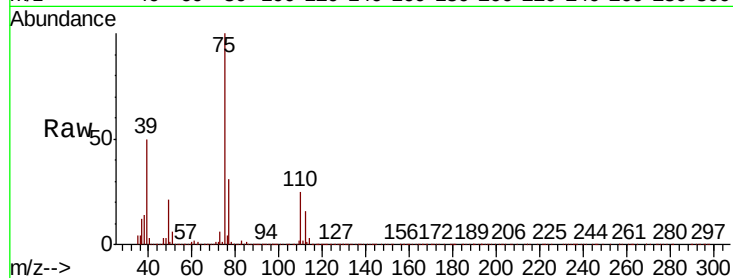
#53
t-1,3-Dichloropropene
Concen: 54.428 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.4	36.6

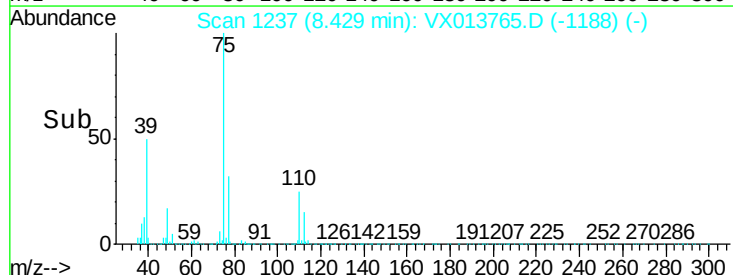
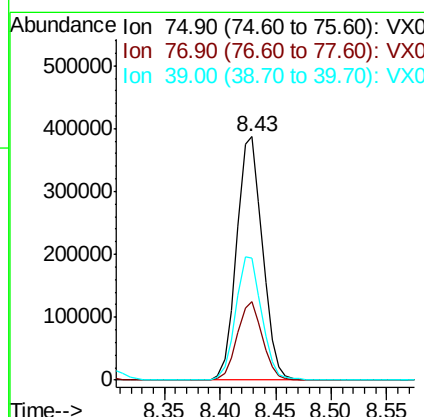
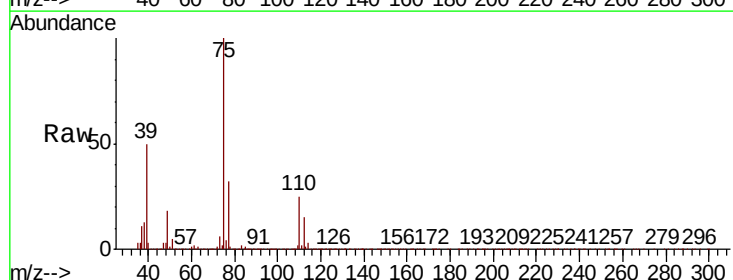
Manual Integrations
APPROVED

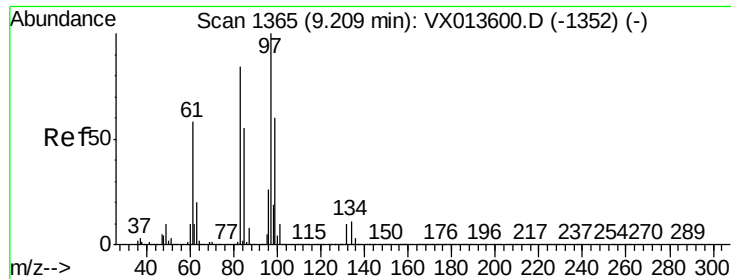
apatel
12/6/2019 9:30:18 AM



#54
cis-1,3-Dichloropropene
Concen: 54.873 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	49.9	39.9	59.9





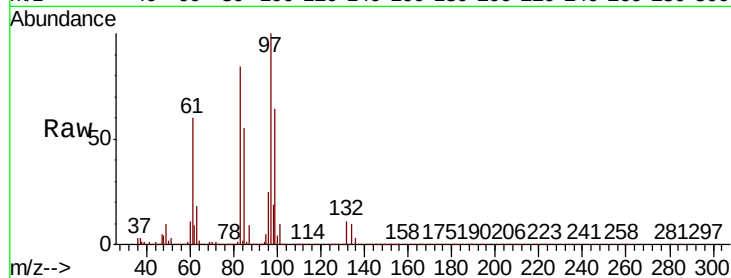
#55
 1,1,2-Trichloroethane
 Concen: 53.174 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

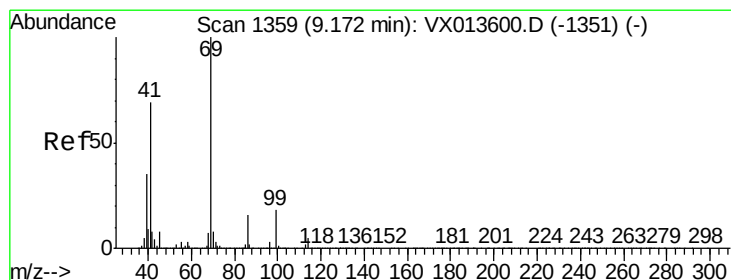
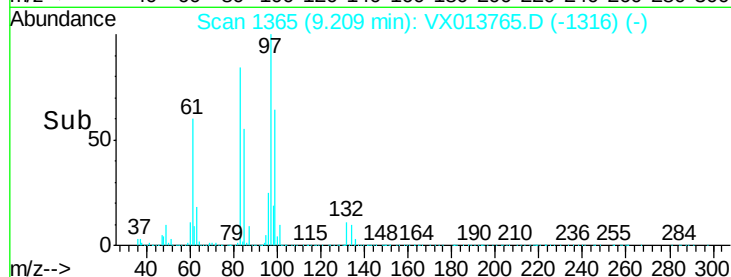
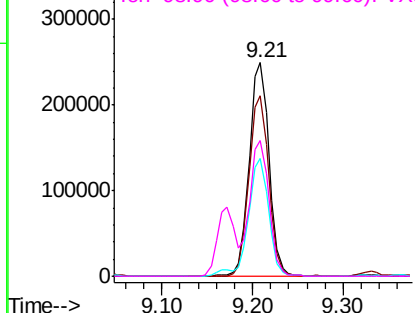
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.3	100.9
85	55.0	43.6	65.4
99	63.5	48.2	72.4

Manual Integrations
 APPROVED

apatel
 12/6/2019 9:30:18 AM

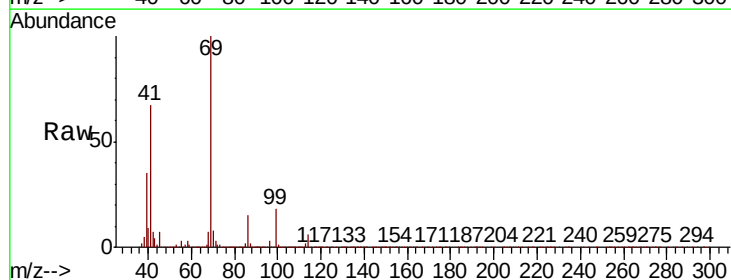


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

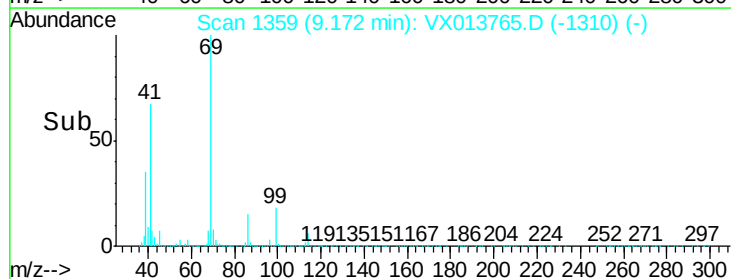
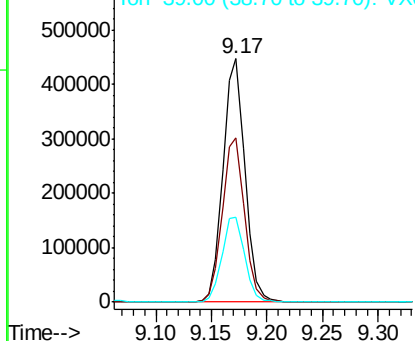


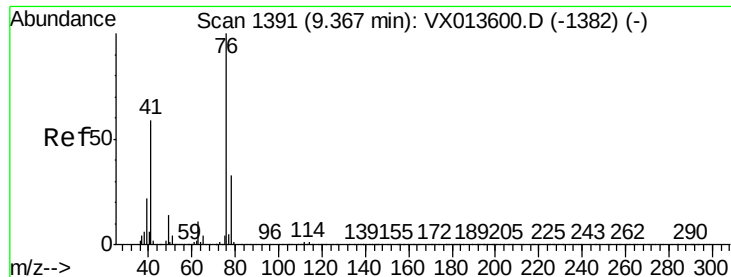
#56
 Ethyl methacrylate
 Concen: 53.548 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.2	55.0	82.4
39	35.9	28.7	43.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





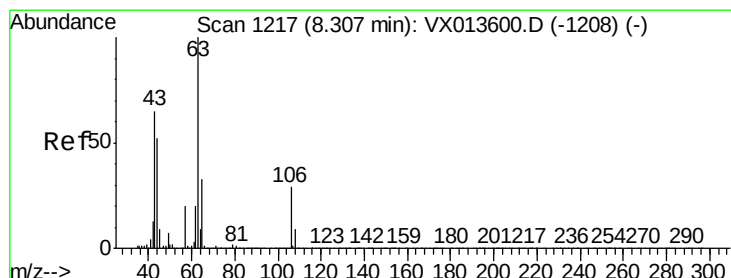
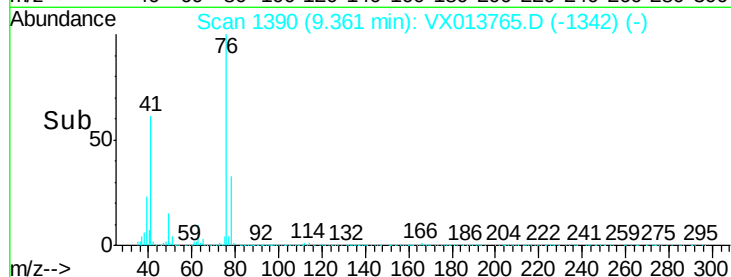
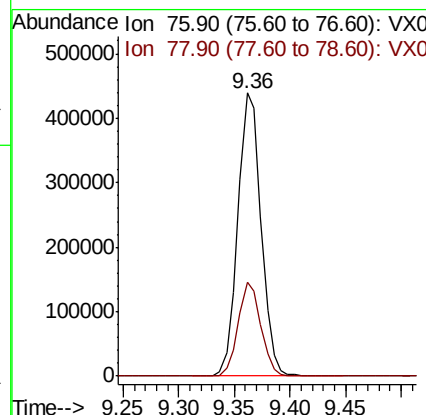
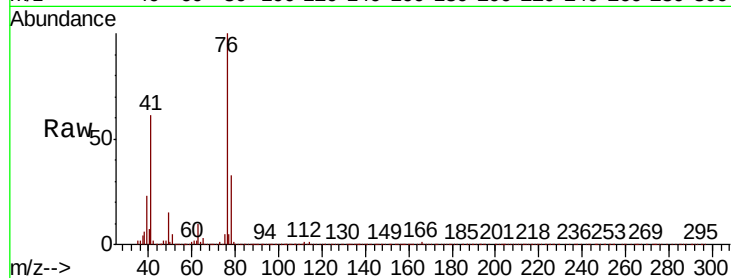
#57
 1,3-Dichloropropane
 Concen: 51.910 ug/l
 RT: 9.36 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 634036
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0

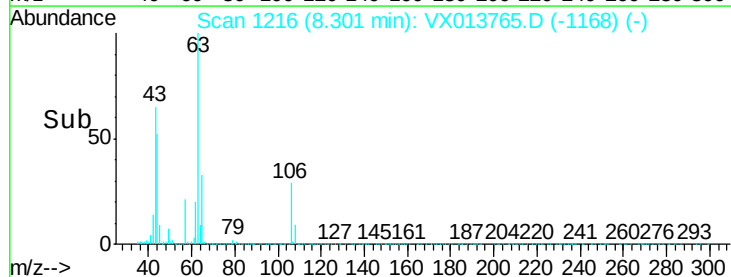
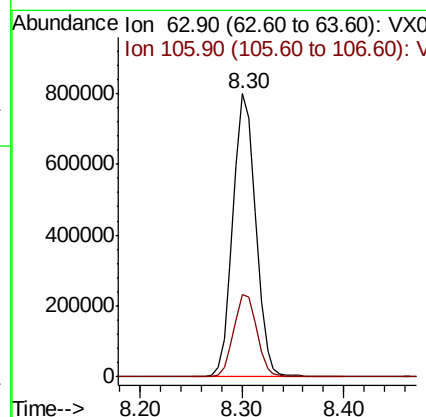
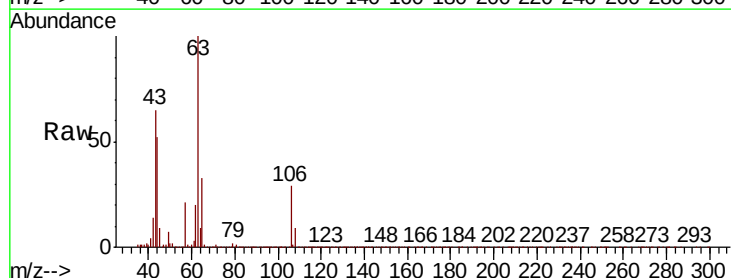
Manual Integrations
 APPROVED

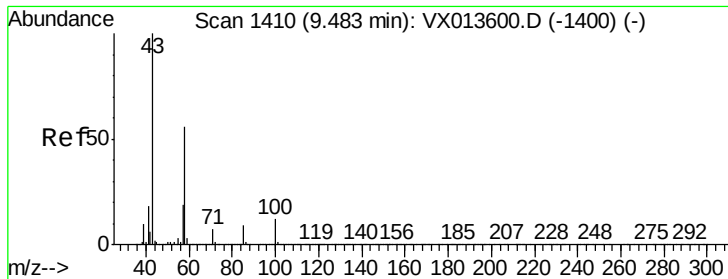
apatel
 12/6/2019 9:30:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.037 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Tgt Ion: 63 Resp: 1233005
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.4 35.0





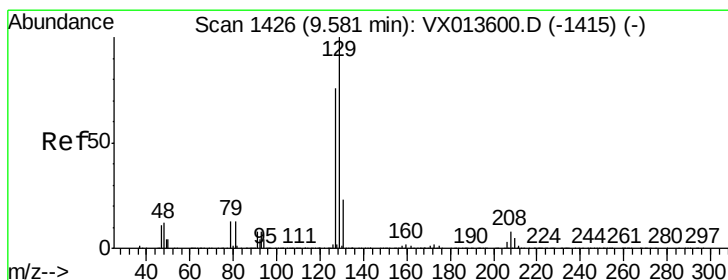
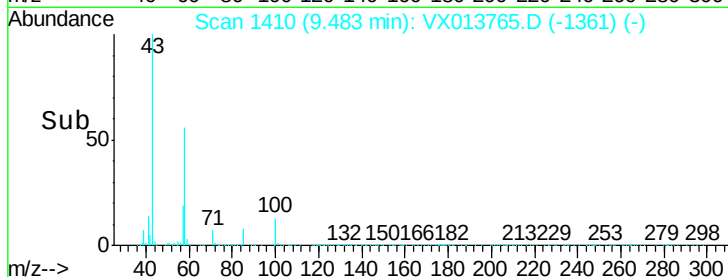
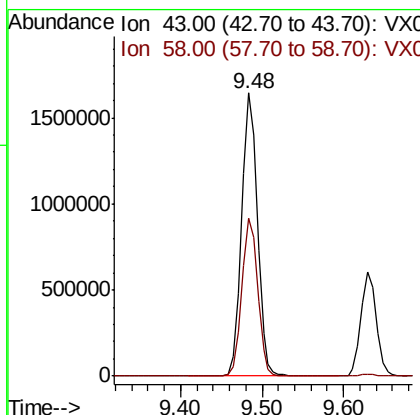
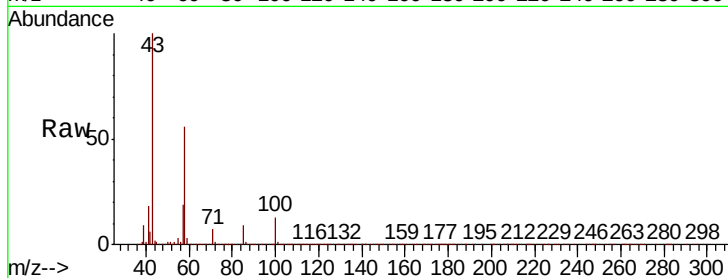
#59
2-Hexanone
Concen: 258.549 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2177176
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.4

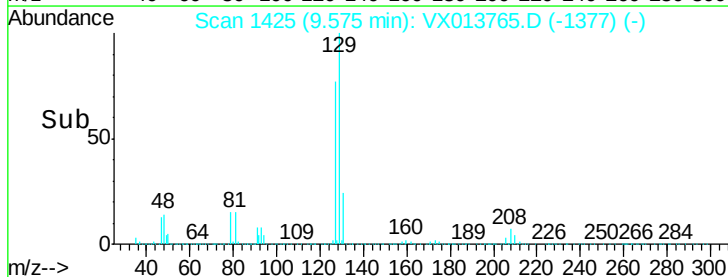
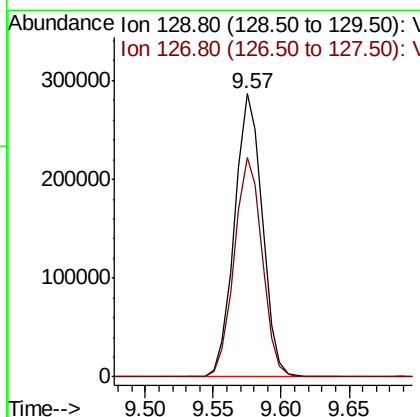
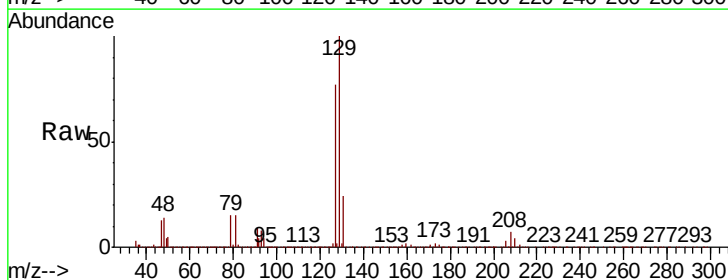
Manual Integrations
APPROVED

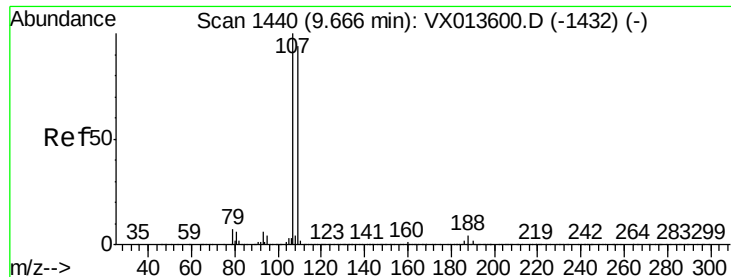
apatel
12/6/2019 9:30:18 AM



#60
Dibromochloromethane
Concen: 55.428 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion: 129 Resp: 407613
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.018 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 393688

Ion Ratio Lower Upper

107 100

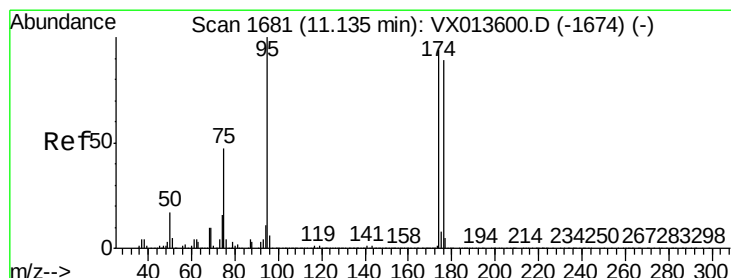
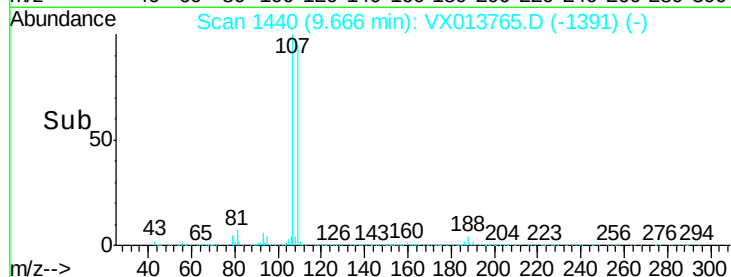
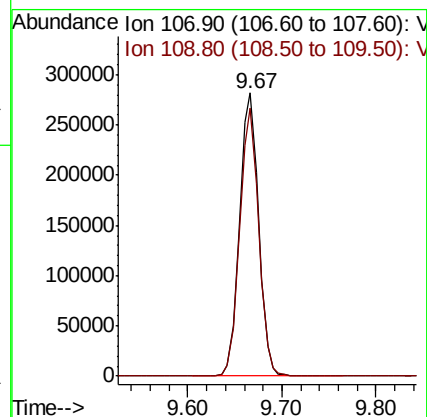
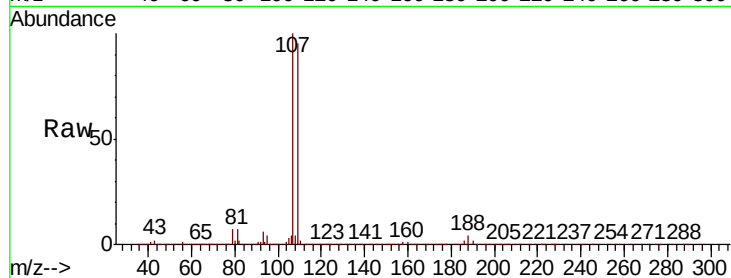
109 94.7 76.1 114.1

Manual Integrations

APPROVED

apatel

12/6/2019 9:30:18 AM



#62

4-Bromofluorobenzene

Concen: 45.889 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

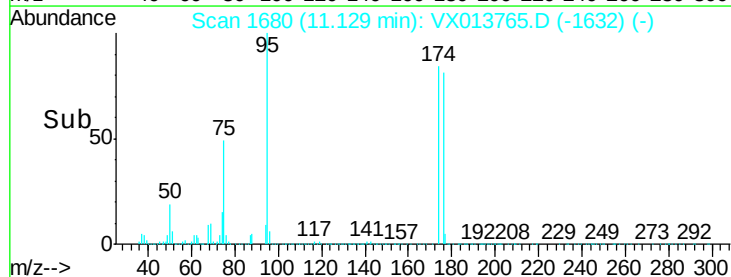
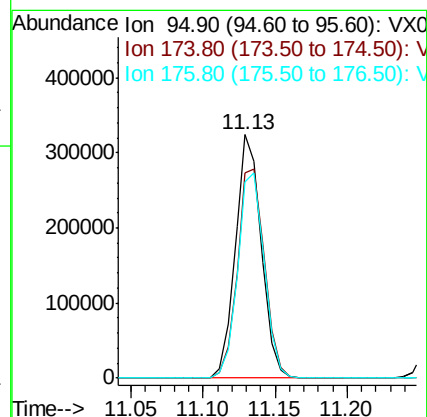
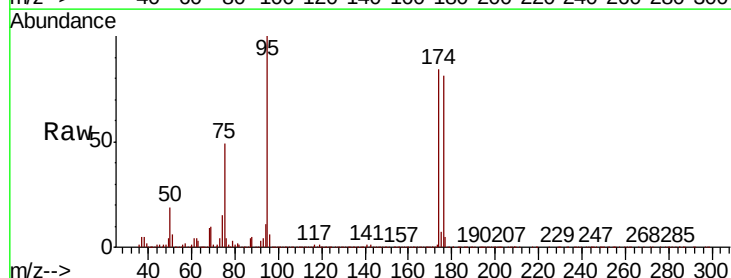
Tgt Ion: 95 Resp: 408058

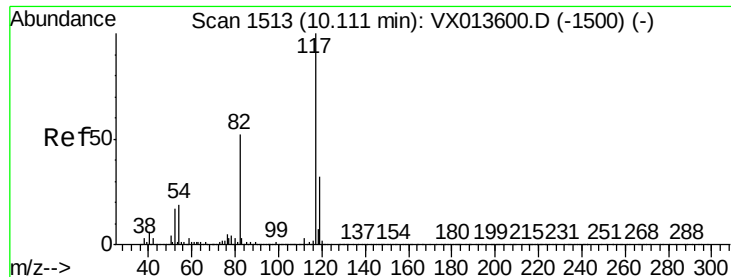
Ion Ratio Lower Upper

95 100

174 89.7 0.0 180.0

176 86.3 0.0 173.6





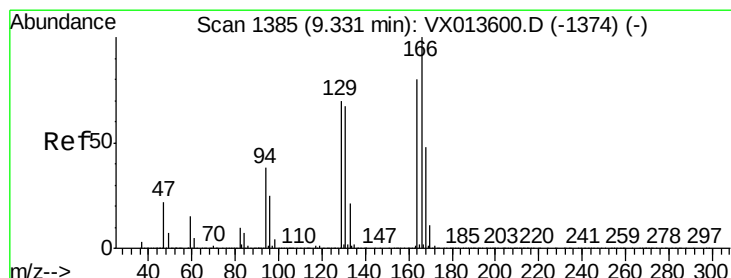
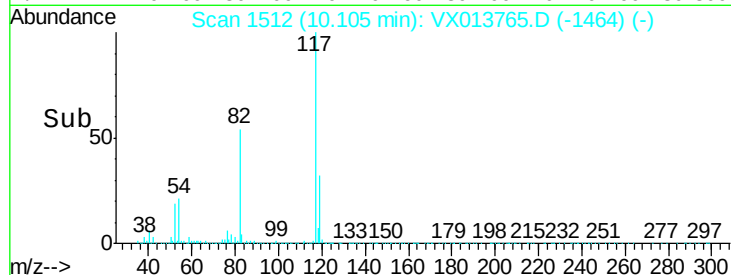
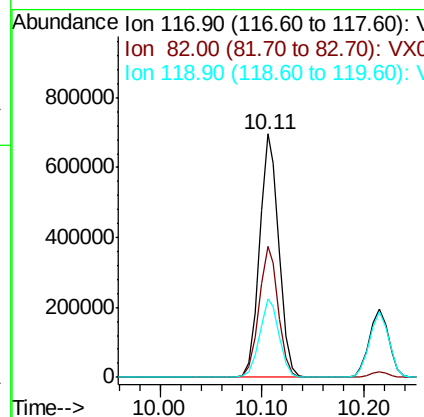
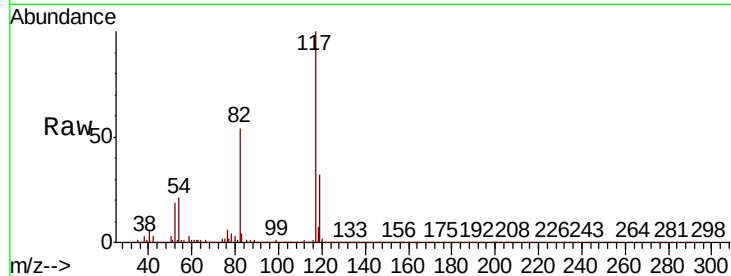
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	927629		
82	53.7	41.8	62.8	
119	32.1	25.8	38.8	

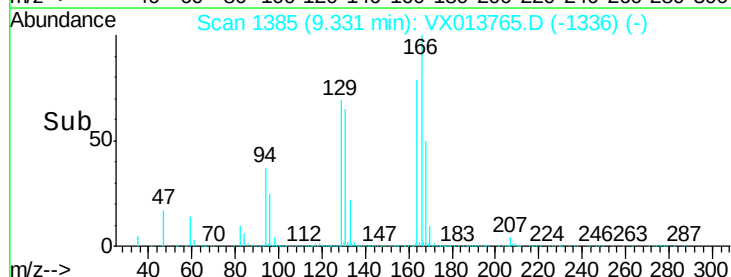
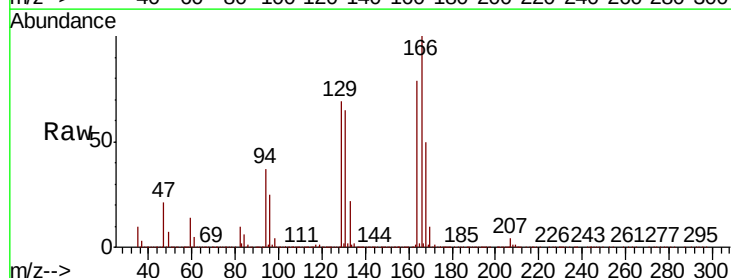
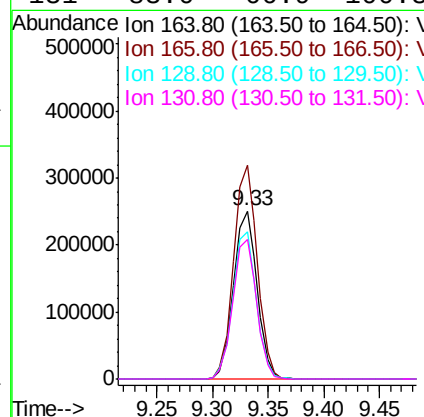
Manual Integrations
APPROVED

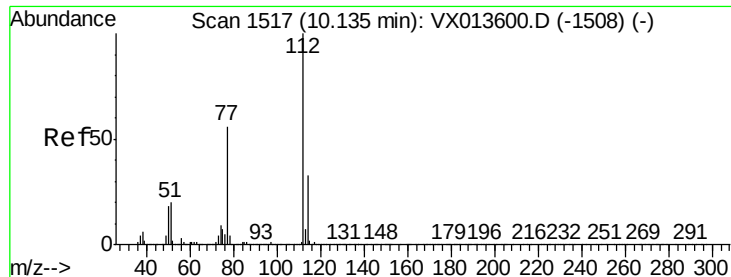
apatel
12/6/2019 9:30:18 AM



#64
Tetrachloroethene
Concen: 53.171 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	367821		
166	127.4	99.7	149.5	
129	87.5	70.1	105.1	
131	83.0	66.9	100.3	





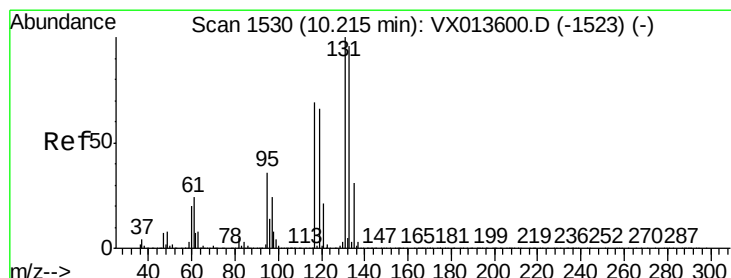
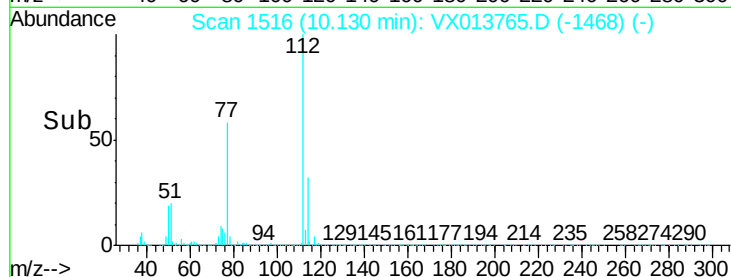
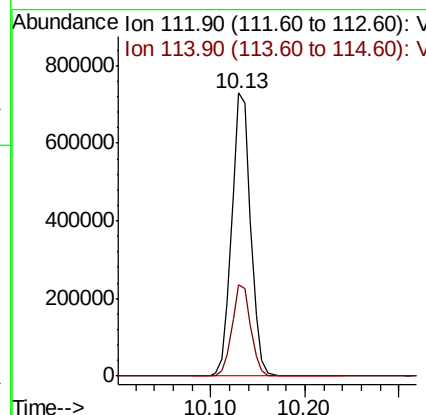
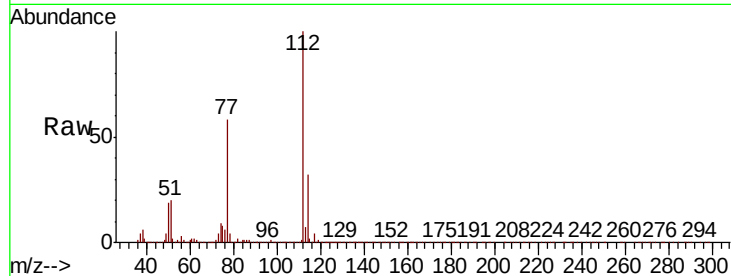
#65
Chlorobenzene
Concen: 52.419 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1009570
Ion Ratio Lower Upper
112 100
114 32.1 26.1 39.1

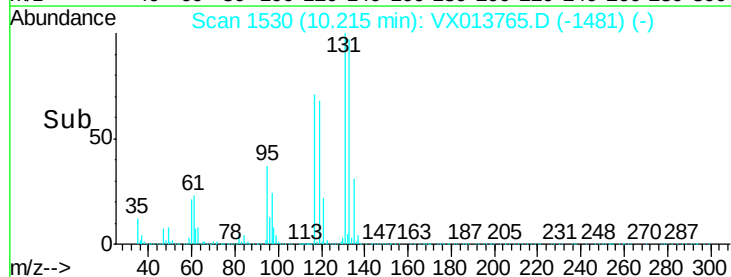
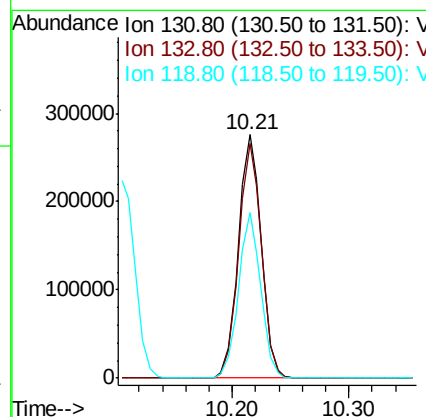
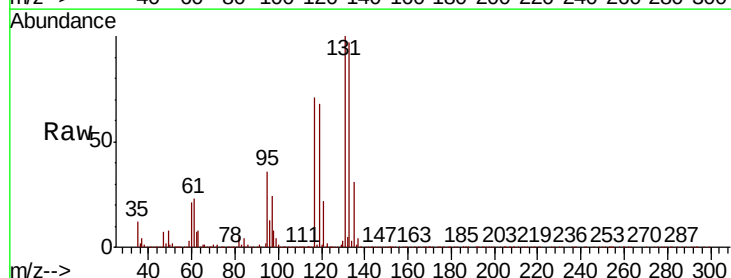
Manual Integrations
APPROVED

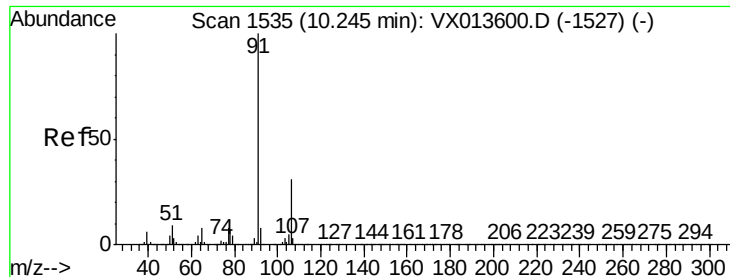
apatel
12/6/2019 9:30:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.369 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion:131 Resp: 376010
Ion Ratio Lower Upper
131 100
133 96.2 47.7 143.1
119 66.1 32.9 98.6





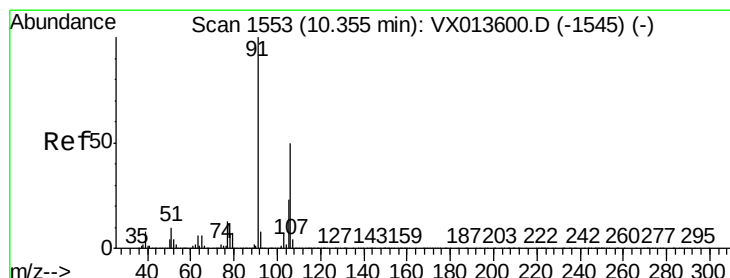
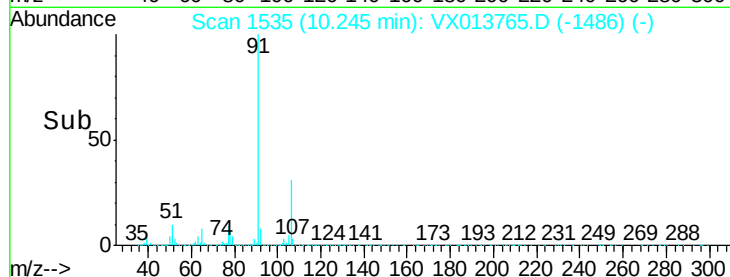
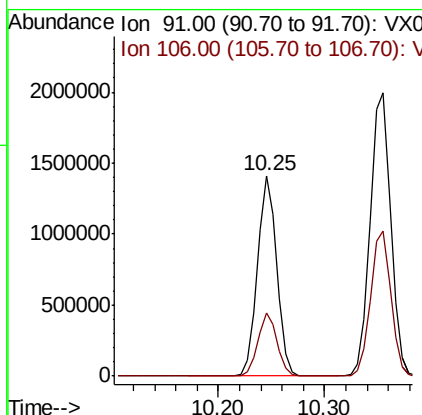
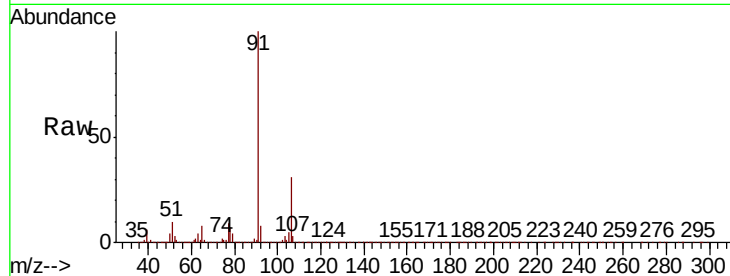
#67
Ethyl Benzene
Concen: 54.351 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1798762
Ion Ratio Lower Upper
91 100
106 31.5 24.5 36.7

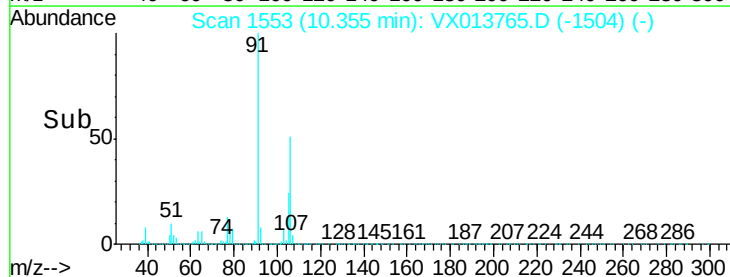
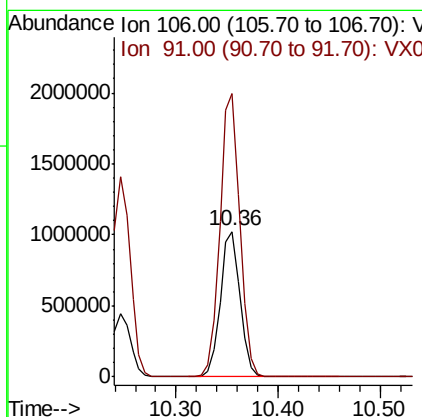
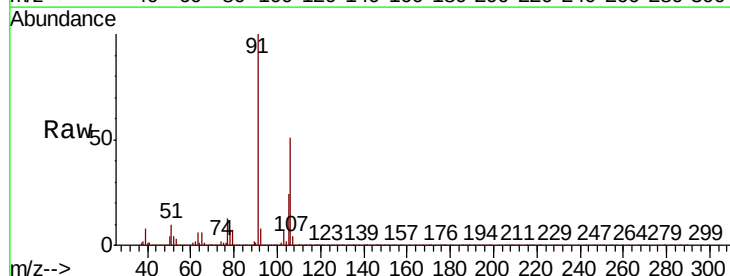
Manual Integrations
APPROVED

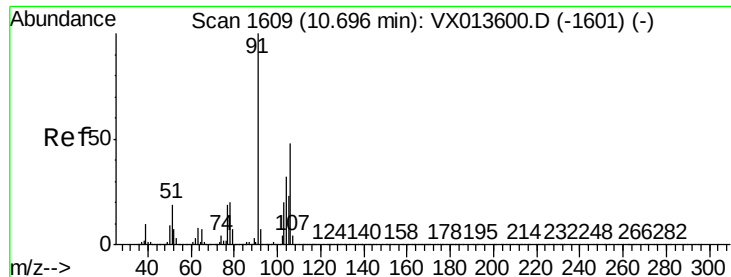
apatel
12/6/2019 9:30:18 AM



#68
m/p-Xylenes
Concen: 108.592 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion: 106 Resp: 1375937
Ion Ratio Lower Upper
106 100
91 197.4 159.0 238.4





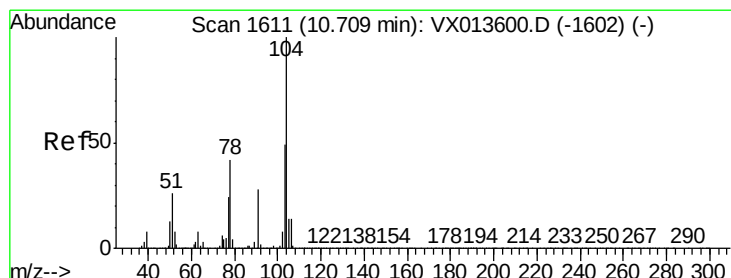
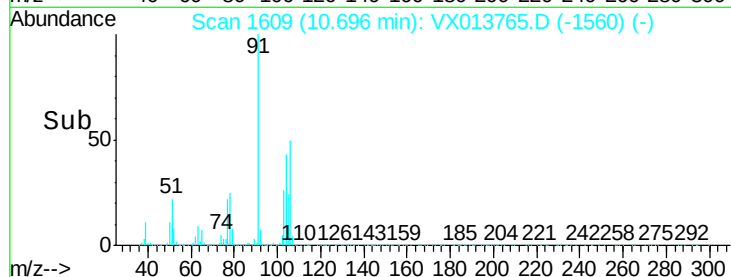
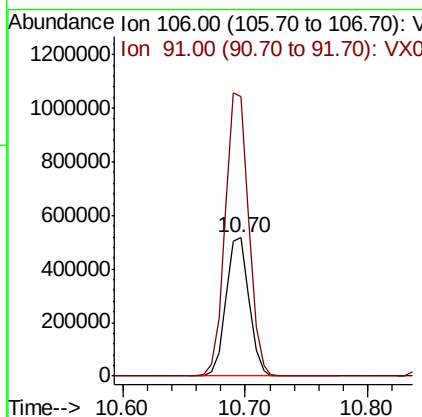
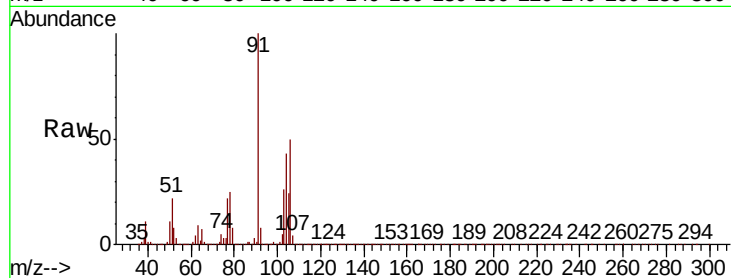
#69
o-Xylene
Concen: 54.114 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.3	104.1	312.2

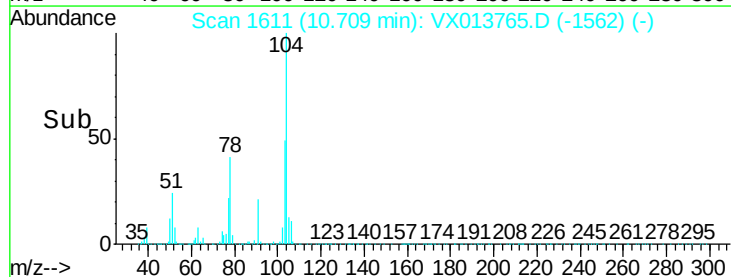
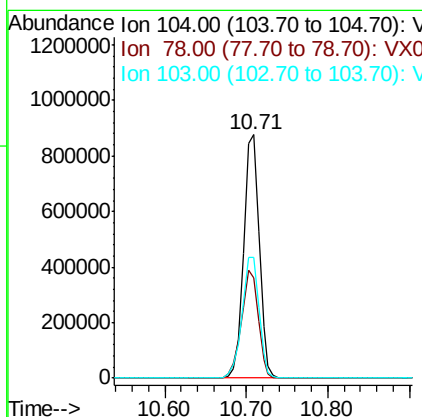
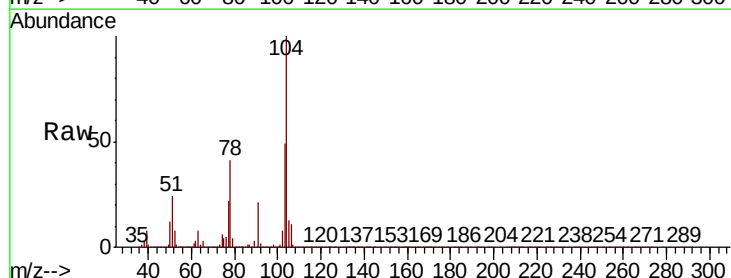
Manual Integrations
APPROVED

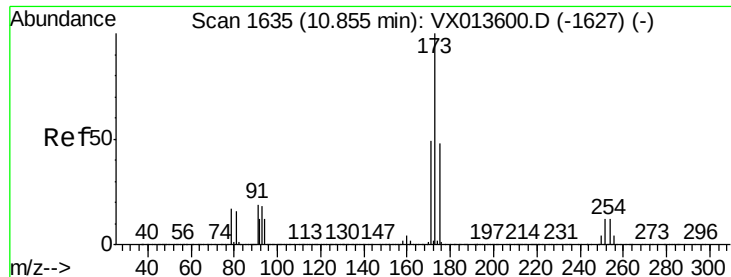
apatel
12/6/2019 9:30:18 AM



#70
Styrene
Concen: 55.123 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	54.3	43.7	65.5





#71

Bromoform

Concen: 56.828 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

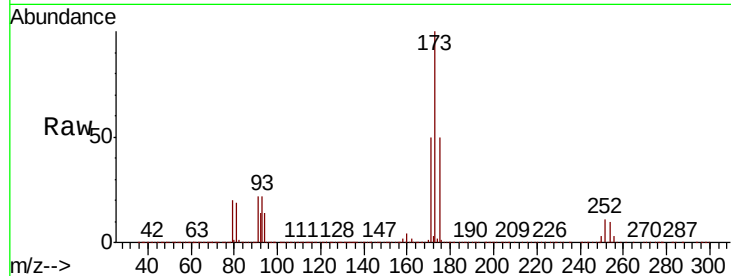
ClientSampleId :

VSTDCCC050

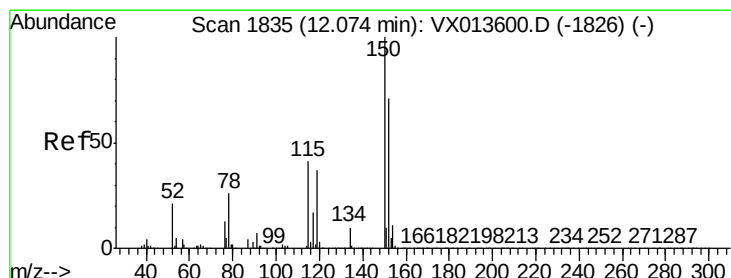
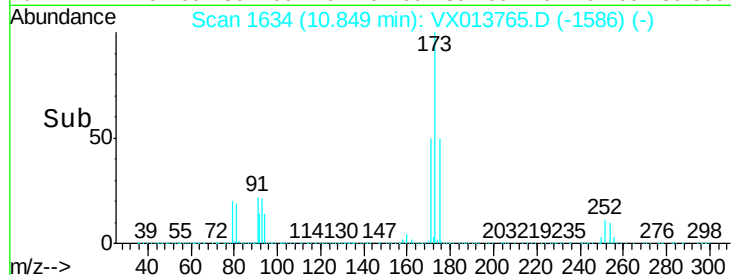
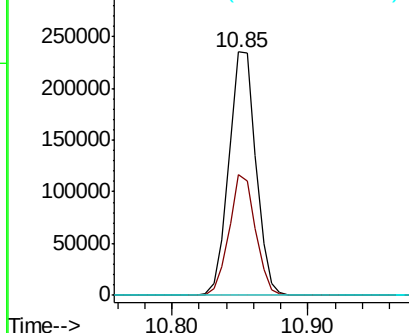
Tot Ion:	173	Resp:	325192
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.3	72.8
254	0.2	0.2	0.4

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

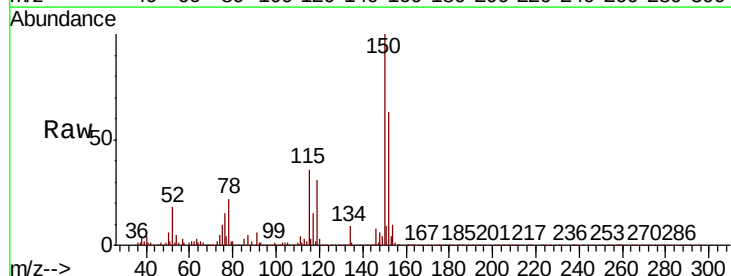
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

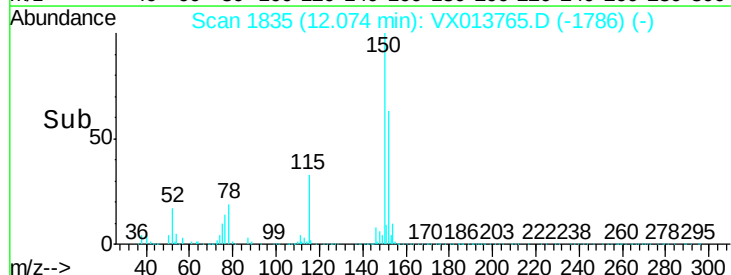
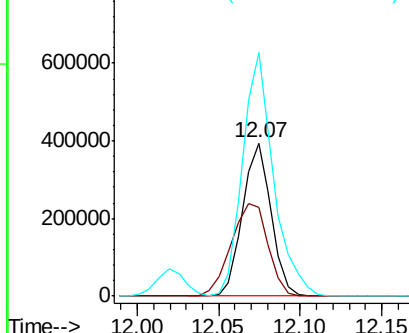
Lab File: VX013765.D

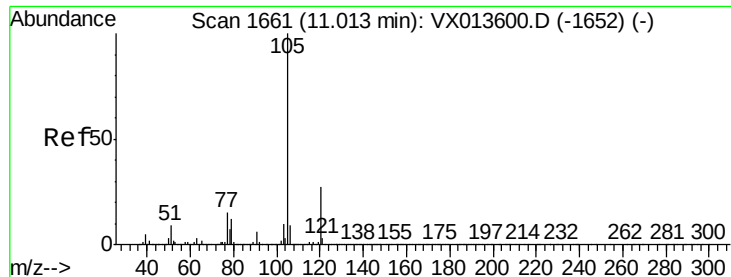
Acq: 05 Dec 2019 09:52

Tgt Ion:	152	Resp:	479821
Ion Ratio	Lower	Upper	
152	100		
115	78.7	38.4	115.1
150	172.9	0.0	346.8



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





#73

Isopropylbenzene

Concen: 52.524 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1767840

Ion Ratio Lower Upper

105 100

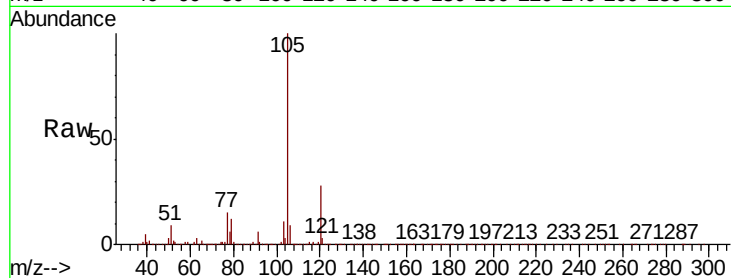
120 27.3

13.5 40.5

Manual Integrations
APPROVED

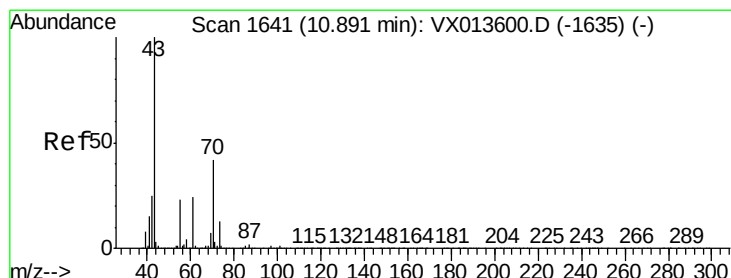
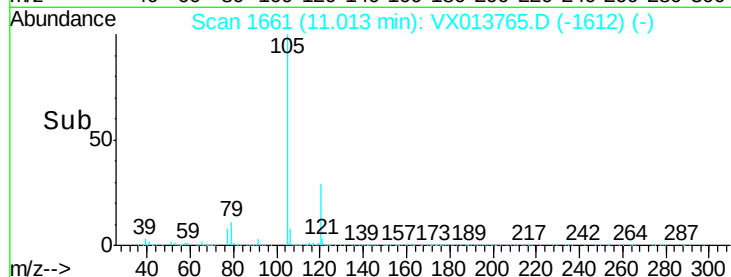
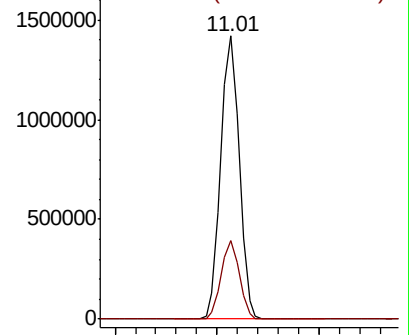
apatel

12/6/2019 9:30:18 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.558 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion: 43 Resp: 794922

Ion Ratio Lower Upper

43 100

70 43.8

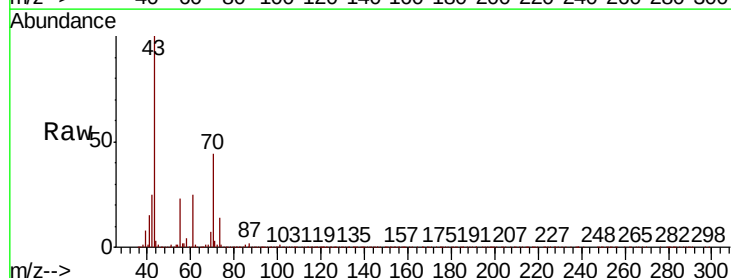
34.3 51.5

55 23.3

18.5 27.7

61 25.0

19.8 29.8

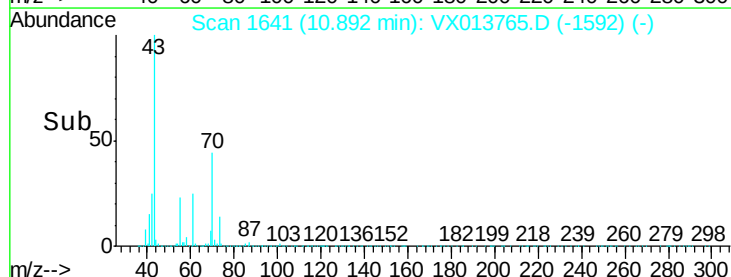
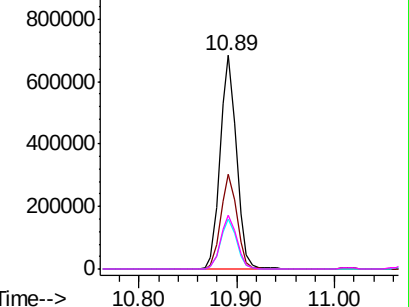


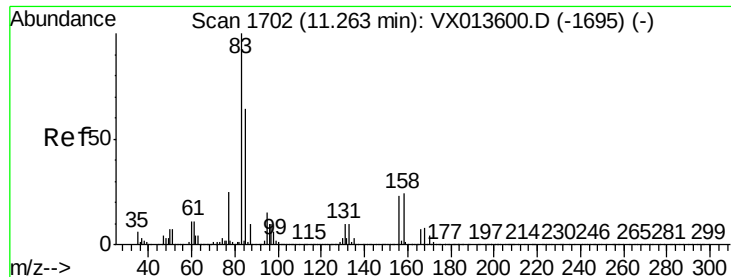
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.653 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

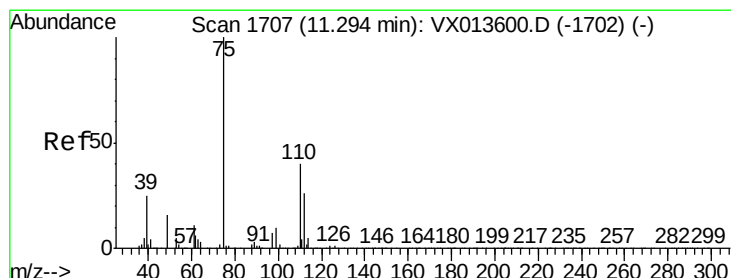
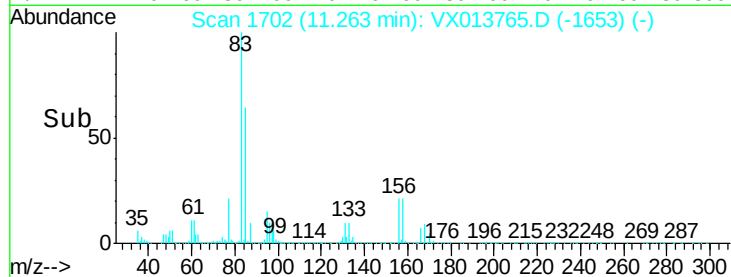
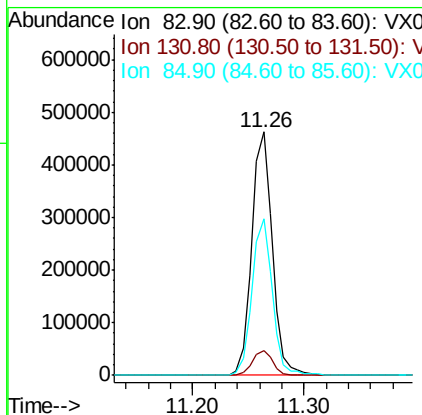
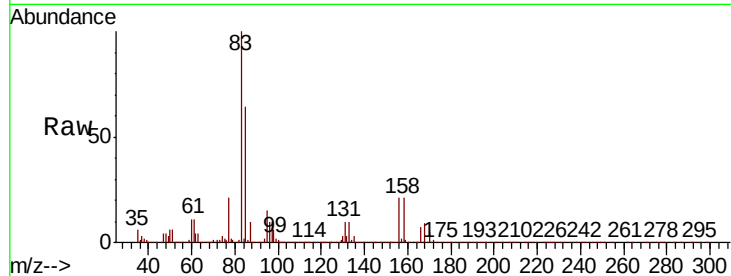
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	591230
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	63.6	31.8	95.3

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#76

1,2,3-Trichloropropane

Concen: 43.494 ug/l m

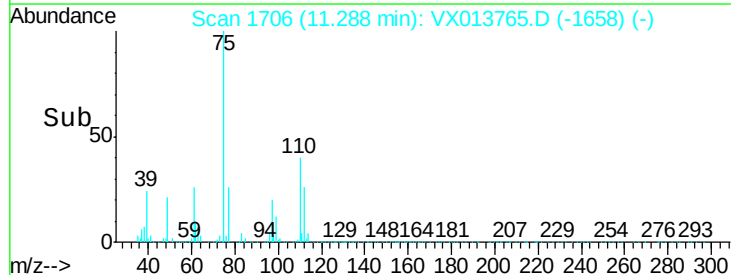
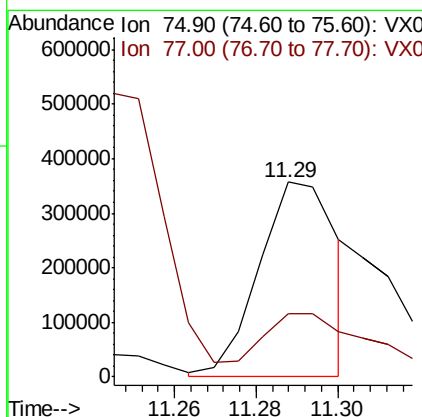
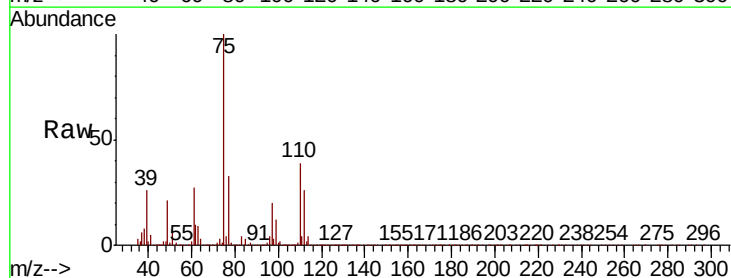
RT: 11.29 min Scan# 1706

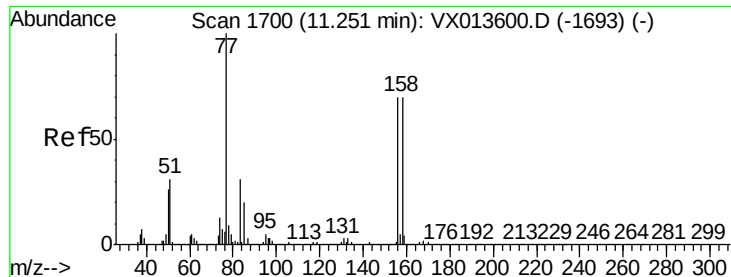
Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion:	75	Resp:	469387
Ion Ratio	Lower	Upper	
75	100		
77	46.2	19.1	57.5





#77

Bromobenzene

Concen: 51.303 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

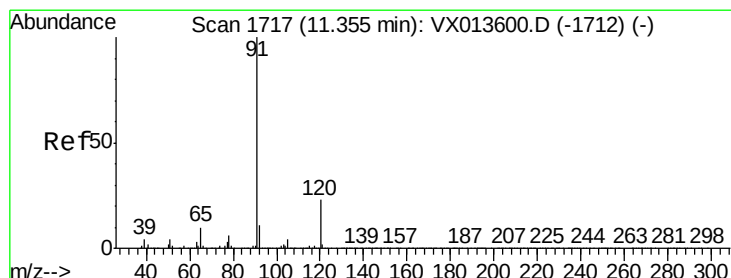
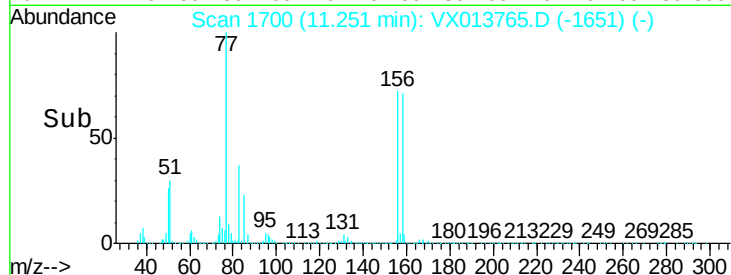
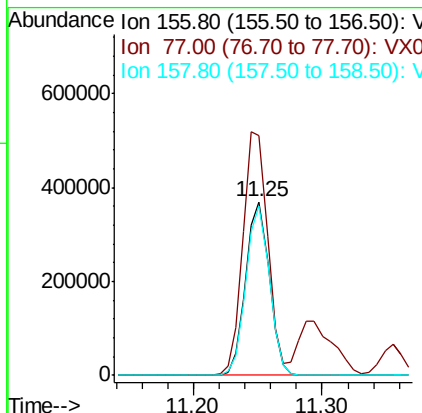
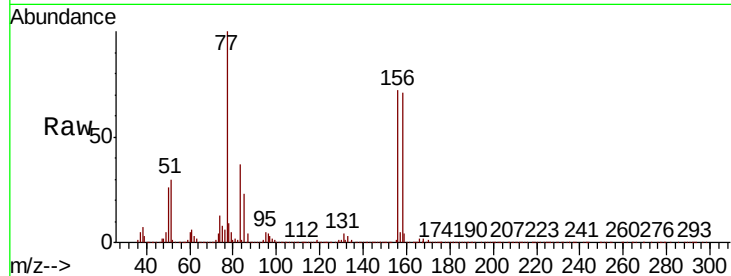
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	466479
Ion Ratio	Lower	Upper	
156	100		
77	147.4	74.4	223.1
158	97.2	48.9	146.6

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#78

n-propylbenzene

Concen: 54.023 ug/l

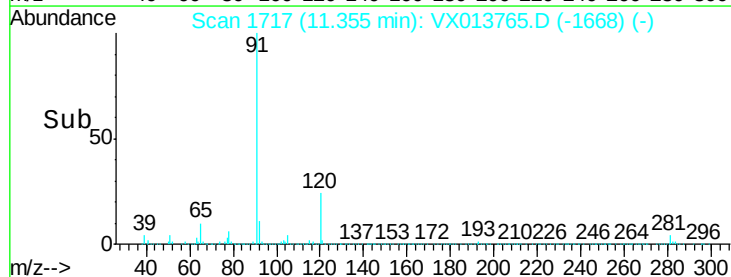
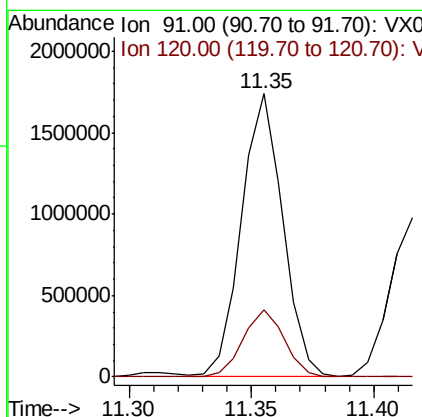
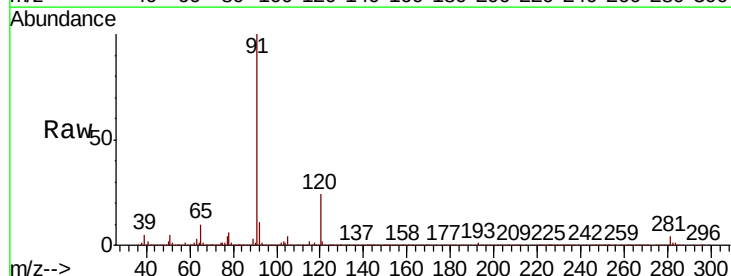
RT: 11.35 min Scan# 1717

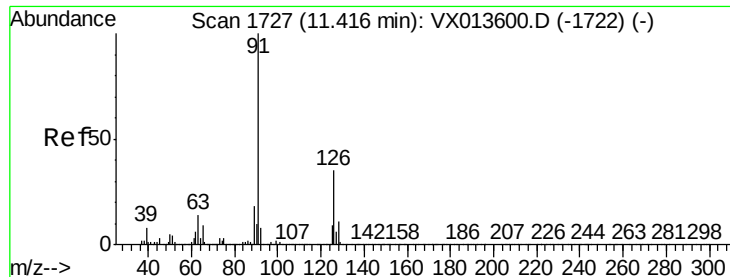
Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion:	91	Resp:	2029778
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.3





#79

2-Chlorotoluene

Concen: 52.153 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1175456

Ion Ratio Lower Upper

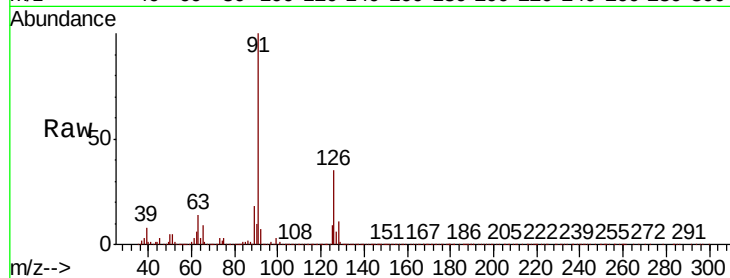
91 100

126 35.3 17.5 52.5

Manual Integrations
APPROVED

apatel

12/6/2019 9:30:18 AM



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

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

2000000

1500000

1000000

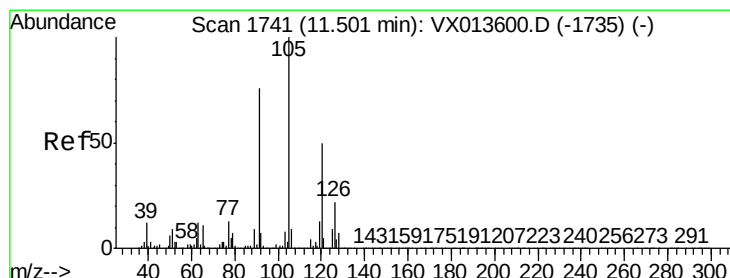
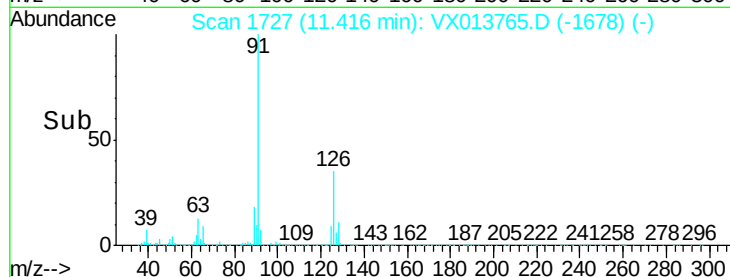
500000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.964 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013765.D

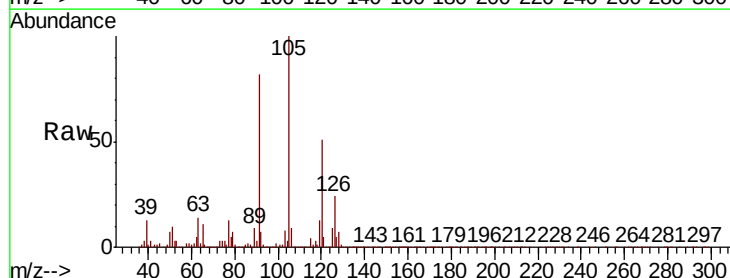
Acq: 05 Dec 2019 09:52

Tgt Ion: 105 Resp: 1488615

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.9



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

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

1000000

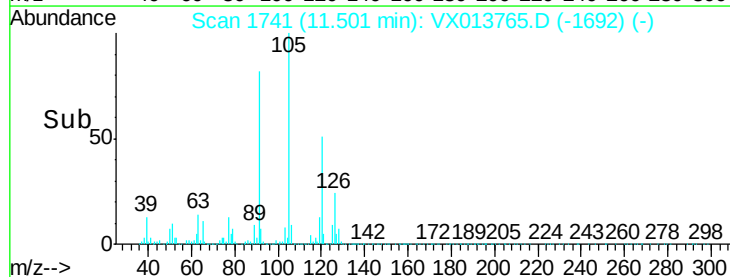
500000

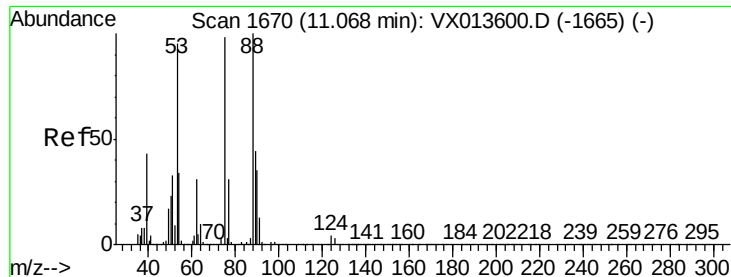
0

11.50

11.60

Time-->





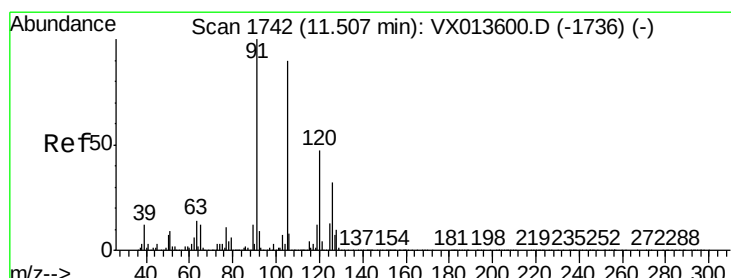
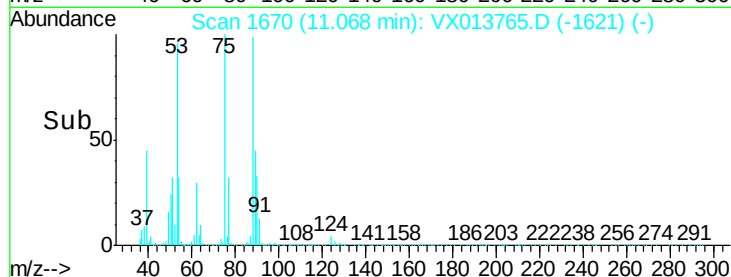
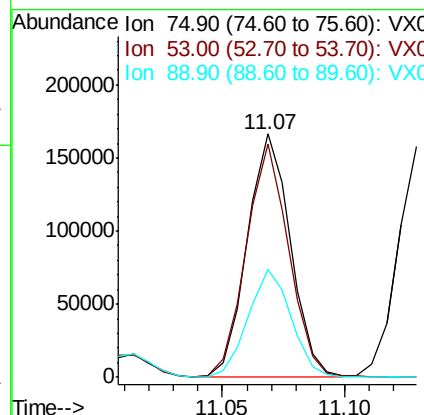
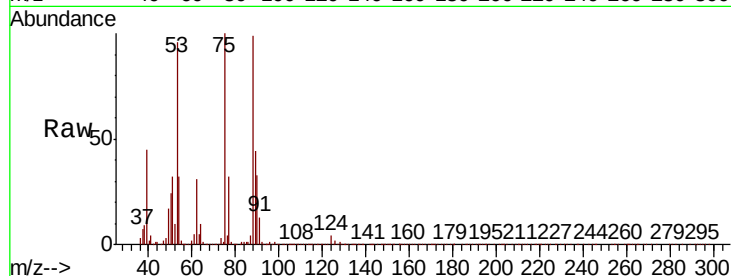
#81
trans-1,4-Dichloro-2-butene
Concen: 51.415 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.9	78.2	117.2
89	45.2	35.4	53.2

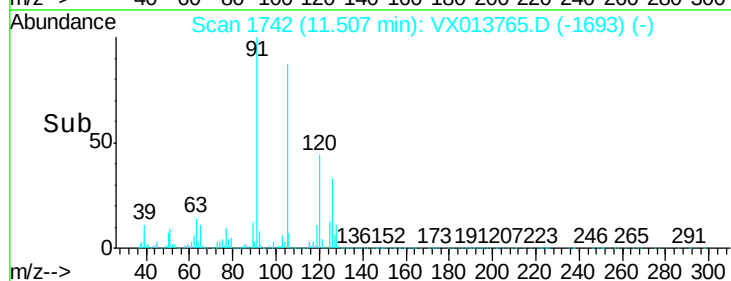
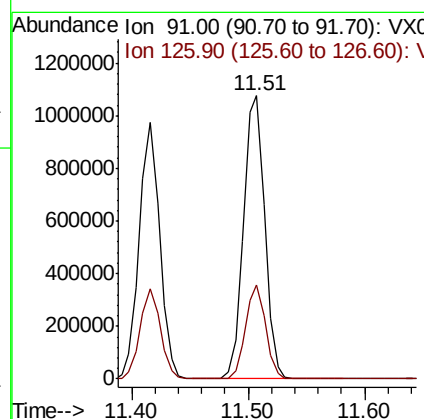
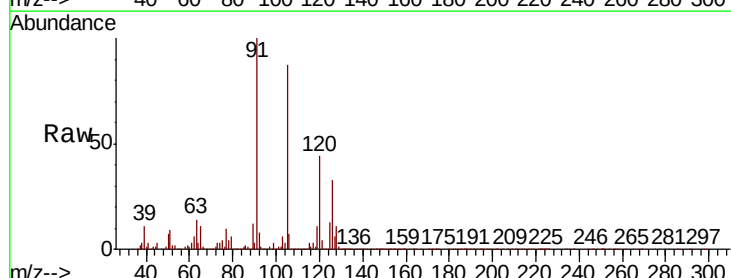
Manual Integrations
APPROVED

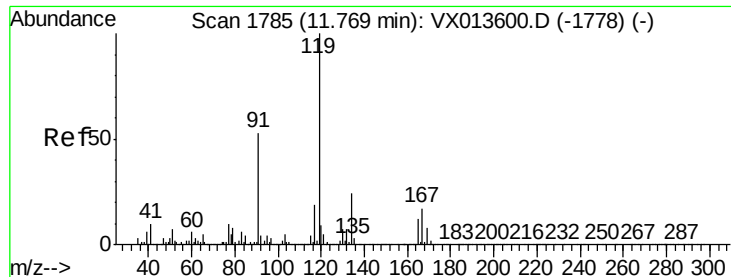
apatel
12/6/2019 9:30:18 AM



#82
4-Chlorotoluene
Concen: 52.453 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.0





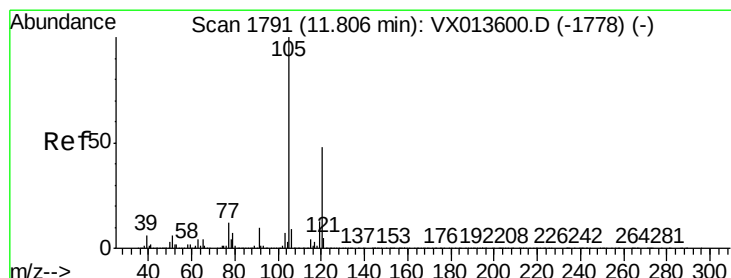
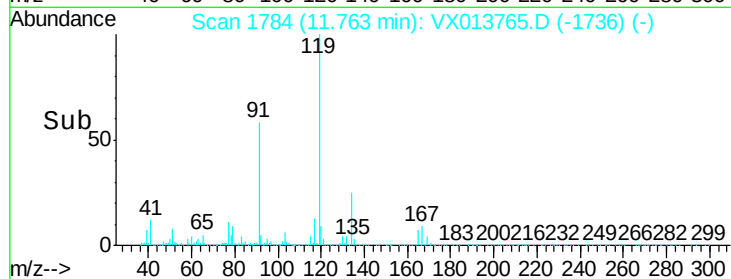
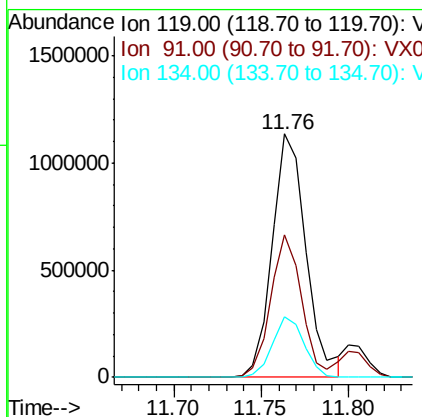
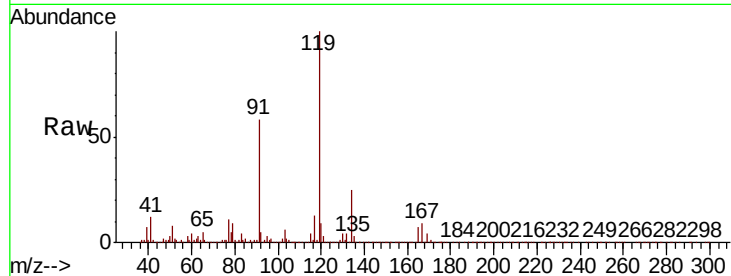
#83
 tert-Butylbenzene
 Concen: 54.450 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.5	27.2	81.6
134	23.3	11.7	35.1

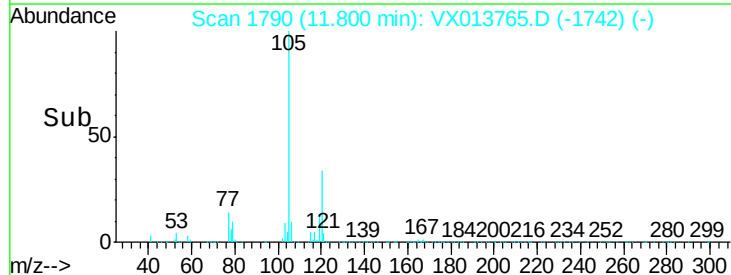
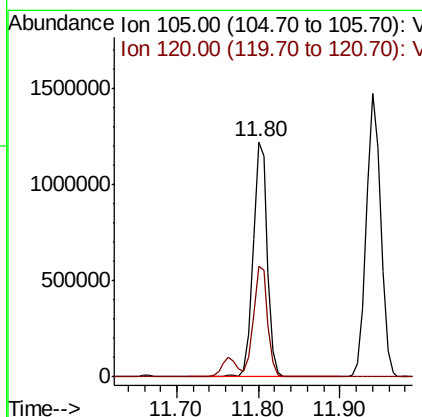
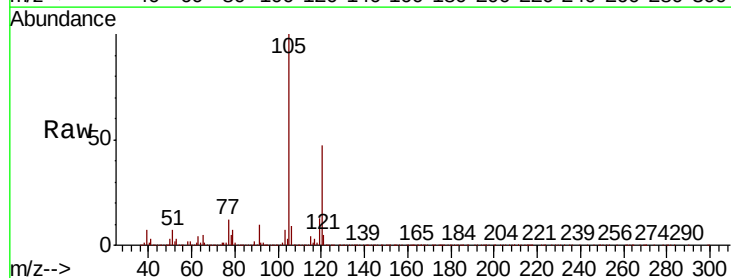
Manual Integrations
 APPROVED

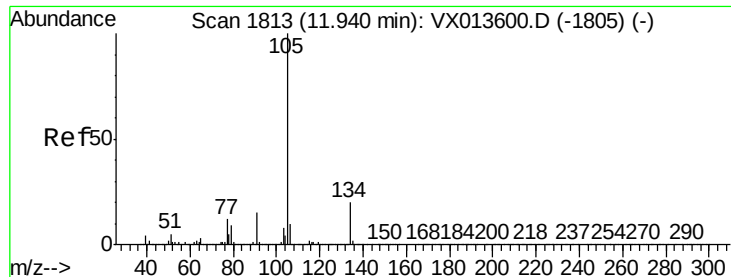
apatel
 12/6/2019 9:30:18 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.372 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.3





#85

sec-Butylbenzene

Concen: 54.935 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1759126

Ion Ratio Lower Upper

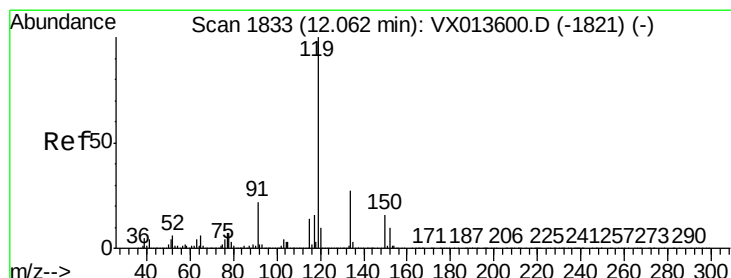
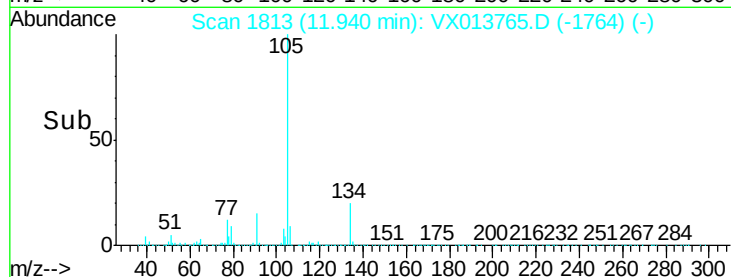
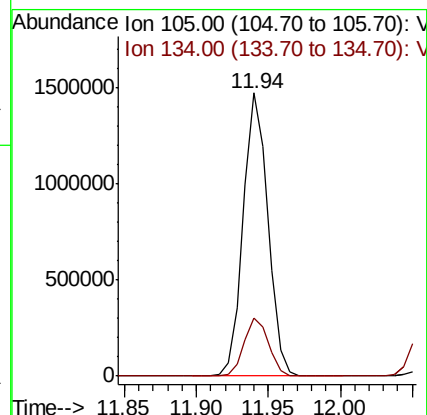
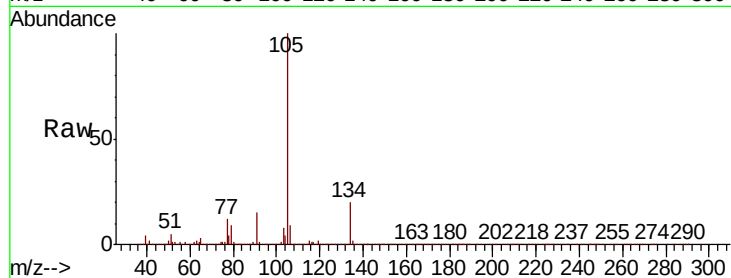
105 100

134 20.5 10.4 31.2

Manual Integrations
APPROVED

apatel

12/6/2019 9:30:18 AM



#86

p-Isopropyltoluene

Concen: 54.367 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

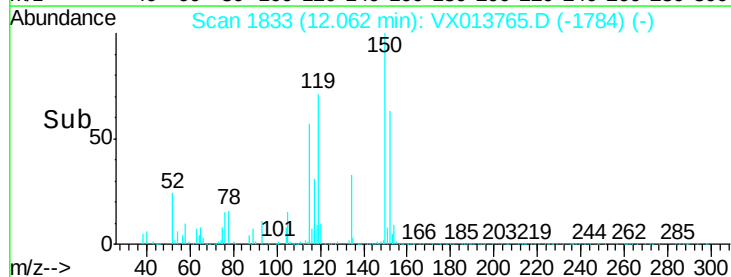
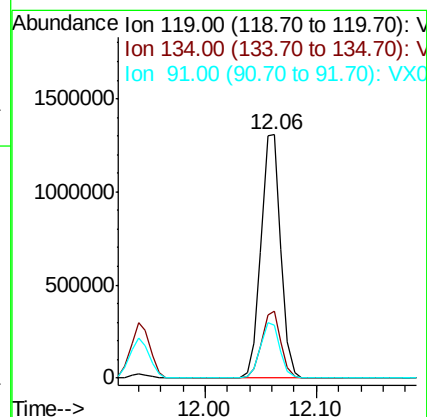
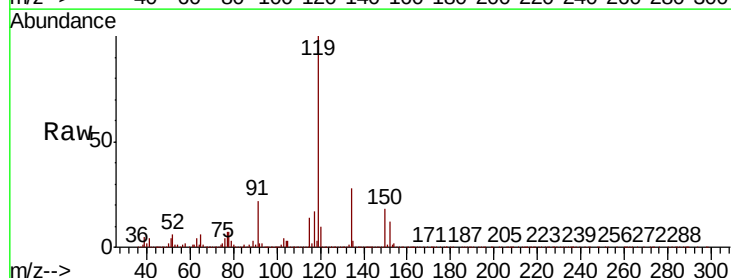
Tgt Ion:119 Resp: 1619604

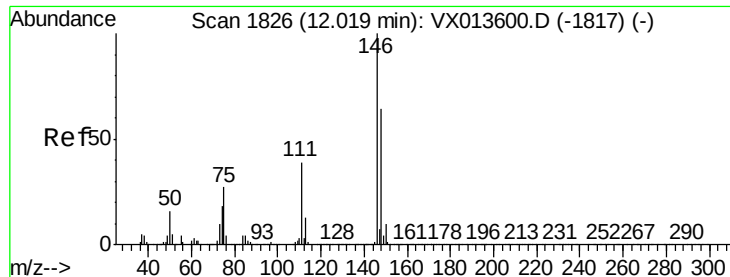
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

91 22.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 52.616 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

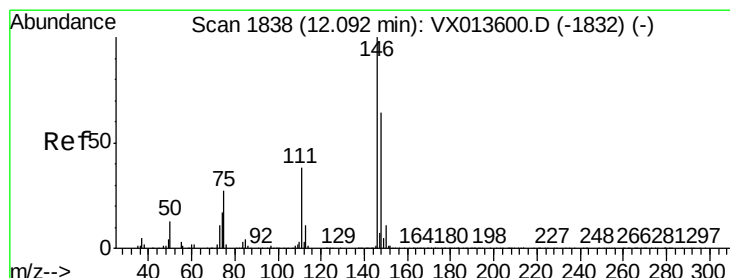
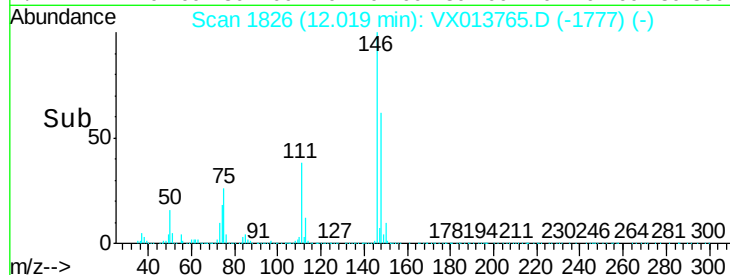
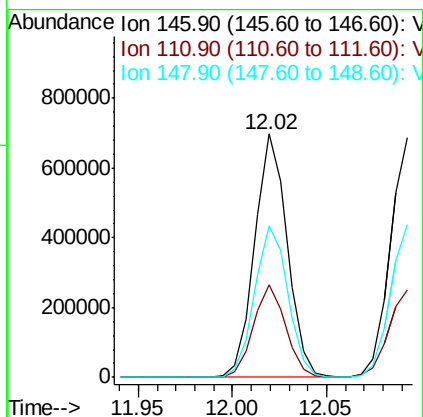
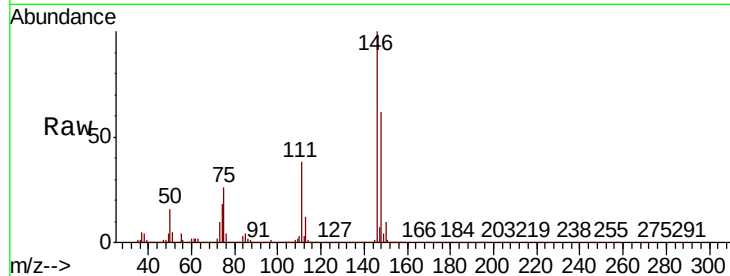
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	833963
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.0	57.0
148	63.8	31.8	95.4

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#88

1,4-Dichlorobenzene

Concen: 51.353 ug/l

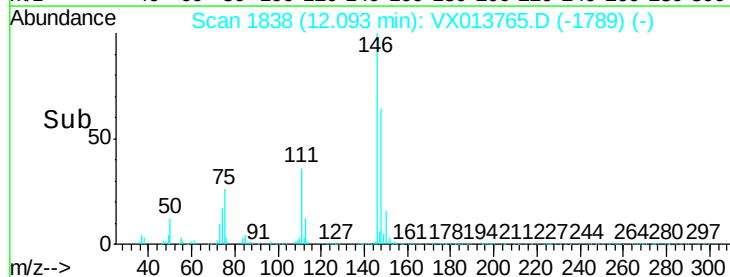
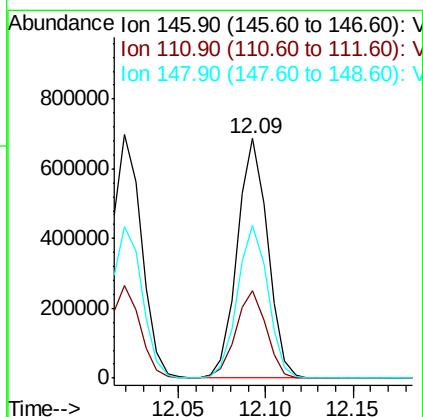
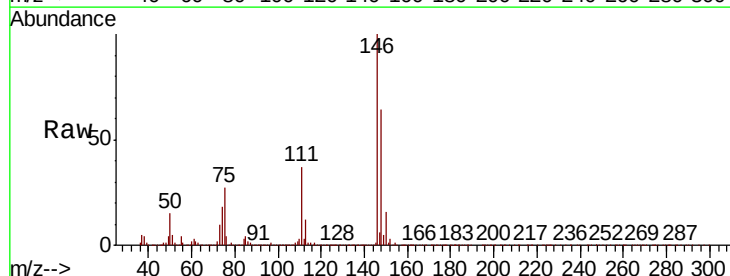
RT: 12.09 min Scan# 1838

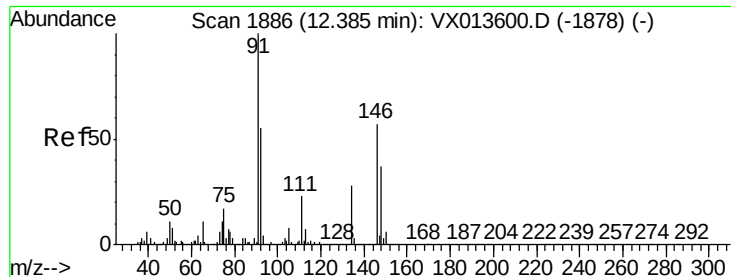
Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion:	146	Resp:	829056
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.9	56.9
148	64.2	31.9	95.5





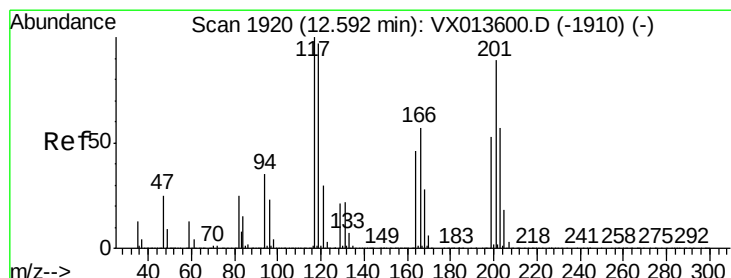
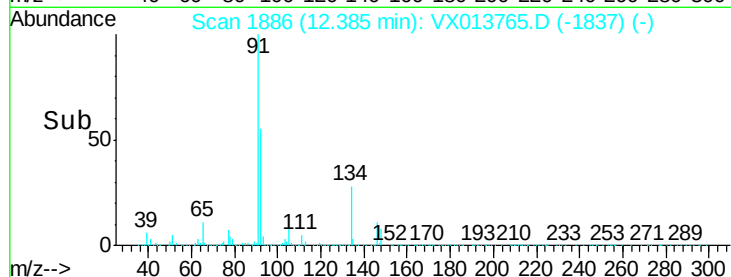
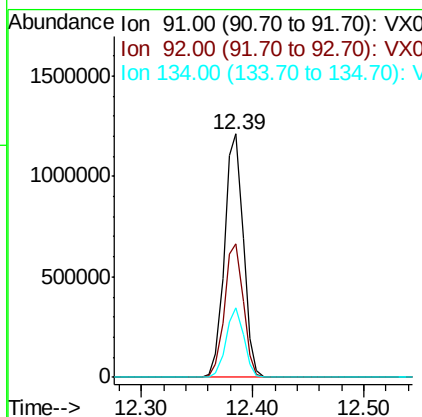
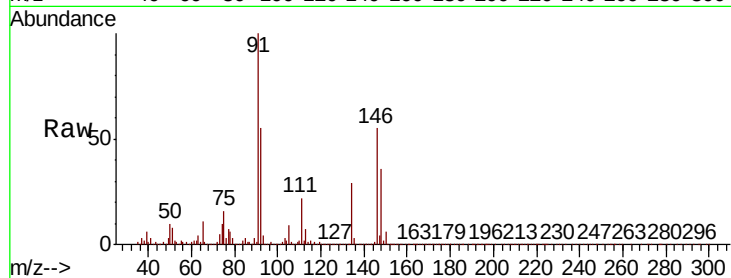
#89
n-Butylbenzene
Concen: 55.668 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.4	82.2
134	27.4	13.5	40.4

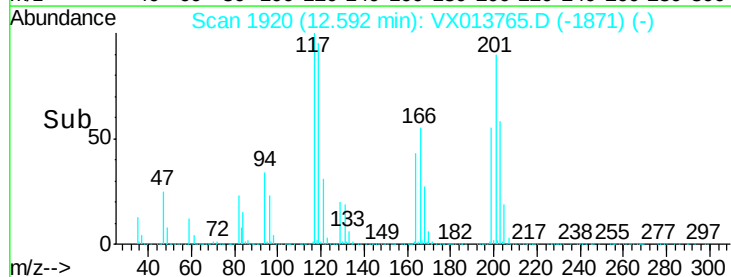
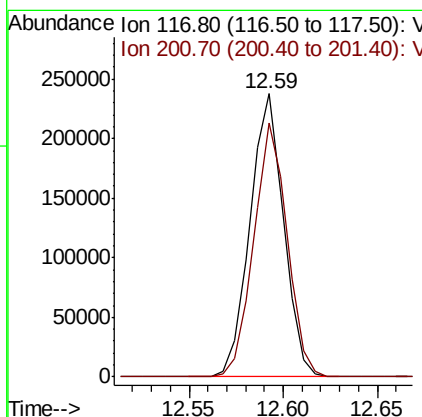
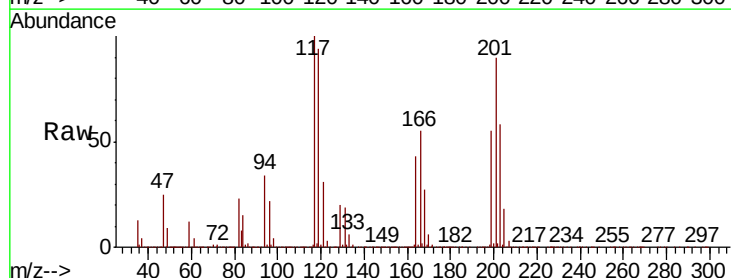
Manual Integrations
APPROVED

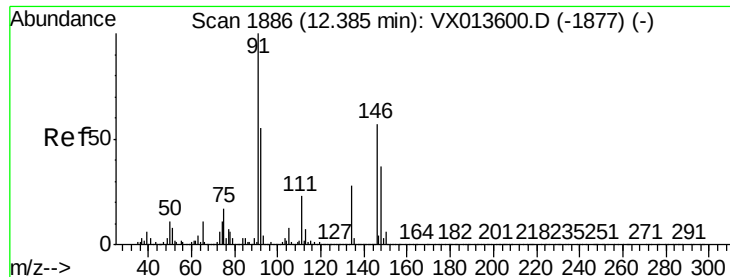
apatel
12/6/2019 9:30:18 AM



#90
Hexachloroethane
Concen: 54.556 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013765.D
Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	44.1	132.4





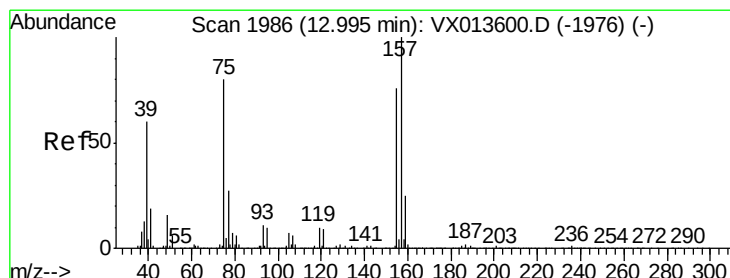
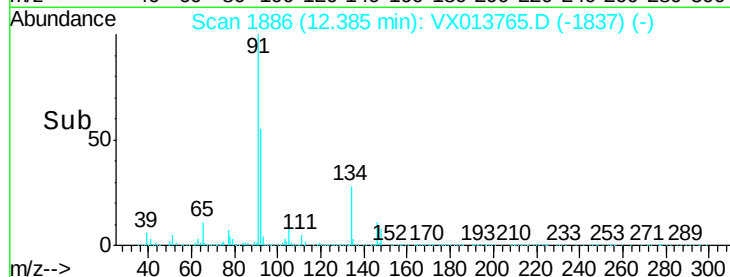
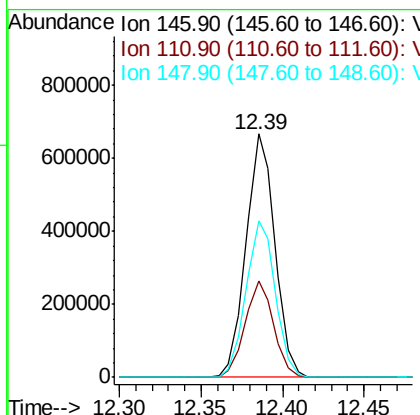
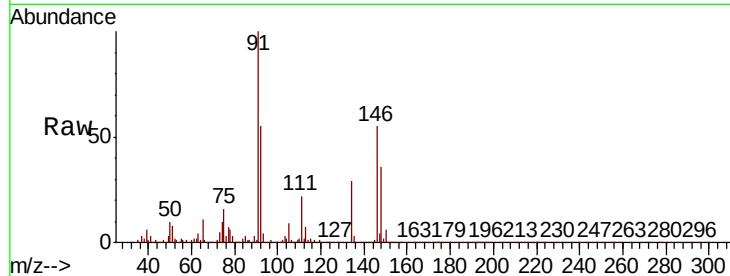
#91
 1,2-Dichlorobenzene
 Concen: 52.708 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	65.3	31.9	95.7

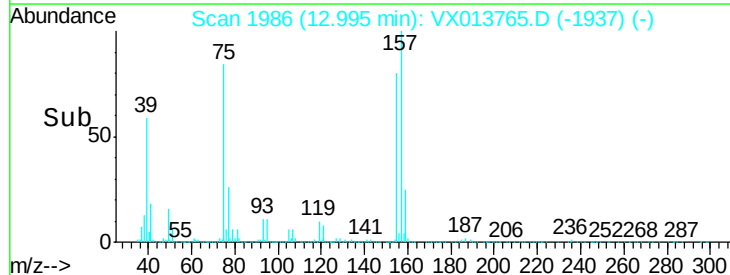
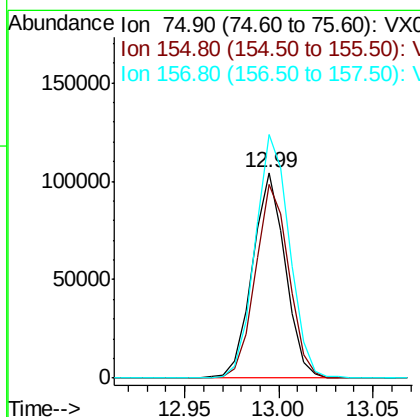
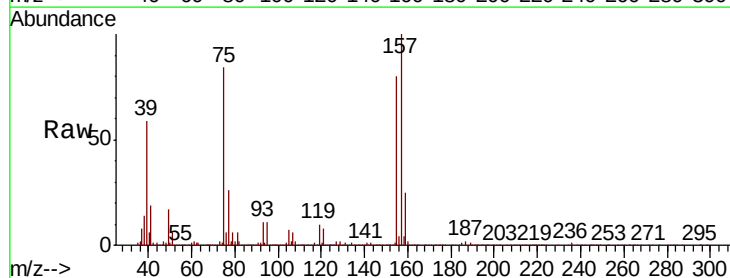
Manual Integrations
 APPROVED

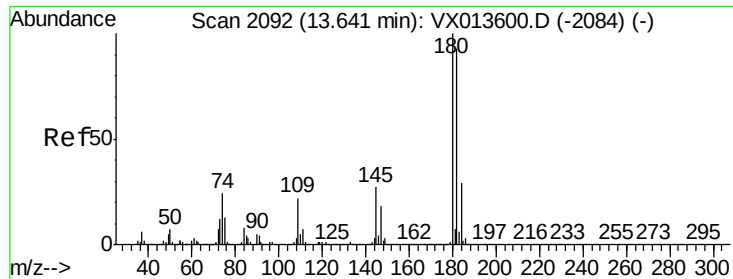
apatel
 12/6/2019 9:30:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.315 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	47.6	142.8
157	124.9	62.1	186.2





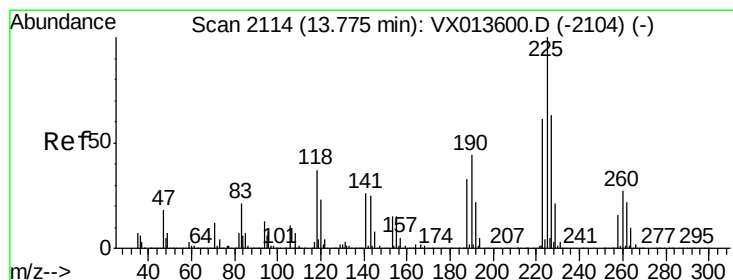
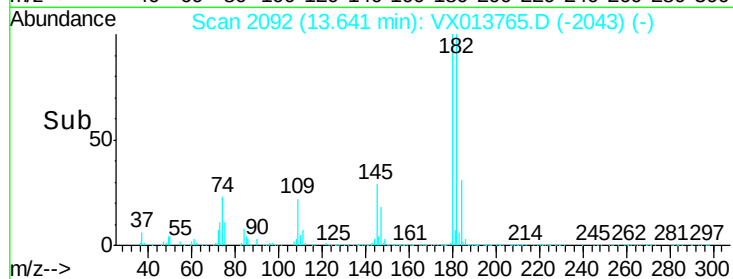
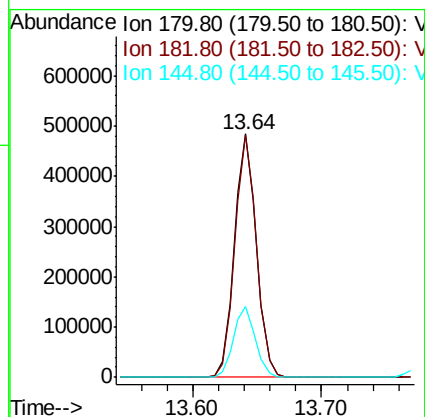
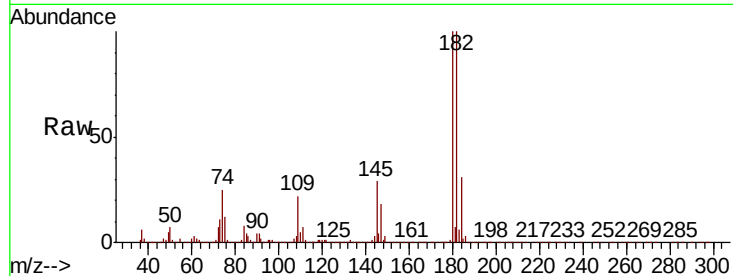
#93
 1,2,4-Trichlorobenzene
 Concen: 52.631 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	574430
Ion Ratio	Lower	Upper	
180	100		
182	98.8	47.2	141.6
145	29.1	13.8	41.4

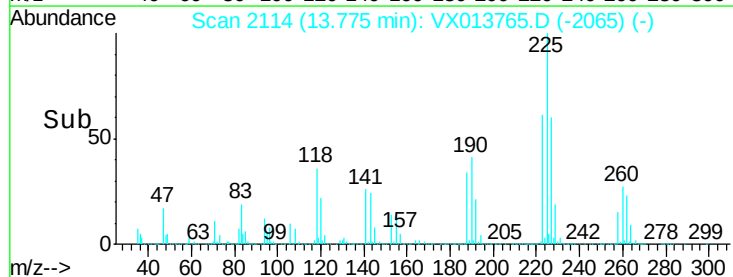
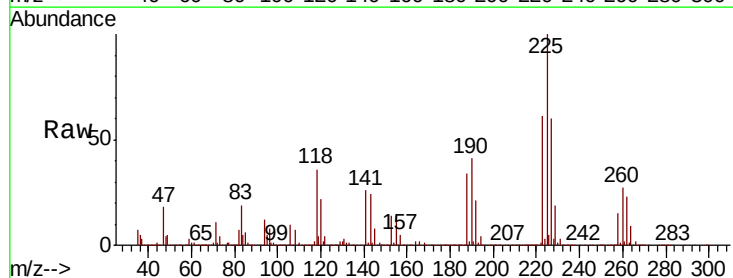
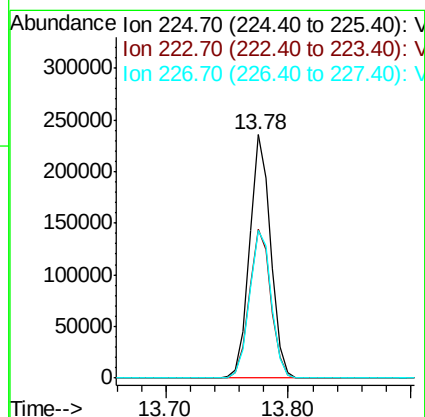
Manual Integrations
 APPROVED

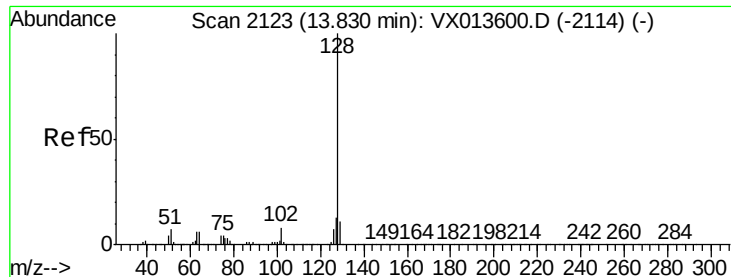
apatel
 12/6/2019 9:30:18 AM



#94
 Hexachlorobutadiene
 Concen: 53.765 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013765.D
 Acq: 05 Dec 2019 09:52

Tgt Ion:	225	Resp:	281889
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.9	95.5
227	62.3	32.1	96.3





#95

Naphthalene

Concen: 53.012 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Instrument :

MSVOA_X

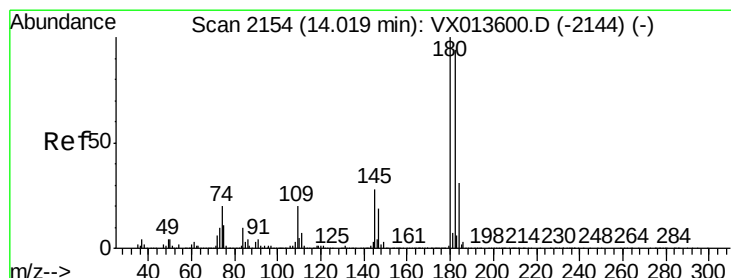
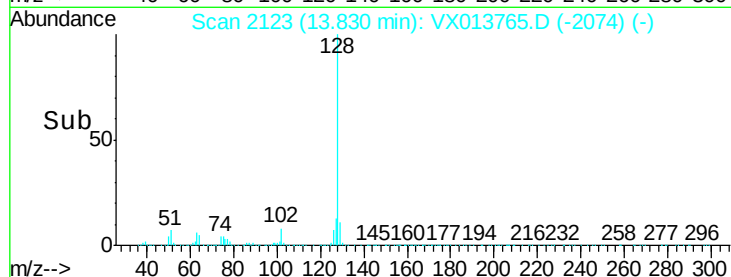
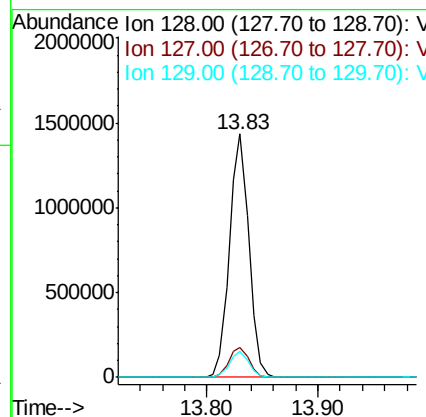
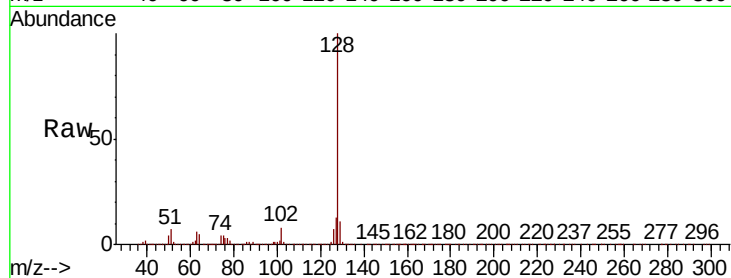
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1723064
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

apatel
12/6/2019 9:30:18 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.525 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX013765.D

Acq: 05 Dec 2019 09:52

Tgt Ion:	180	Resp:	567606
Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.6	142.8
145	30.5	15.0	45.0

