

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018935.D
 Acq On : 15 Oct 2020 14:25
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC050

Manual Integrations
 APPROVED

apatel
 10/16/2020 2:11:32 PM

Quant Time: Oct 15 14:48:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 15 14:34:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	54139	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	295531	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	262059	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	102300	24.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	83.17%
60) 4-Bromofluorobenzene	11.12	95	119744	26.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.70%
63) Toluene-d8	8.70	98	346097	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	124443	44.507	ug/l 100
3) Chloromethane	1.31	50	144052	47.191	ug/l 98
4) Vinyl Chloride	1.39	62	177714	54.458	ug/l 98
5) Bromomethane	1.62	94	119441	55.066	ug/l 100
6) Chloroethane	1.71	64	120025	59.509	ug/l 97
7) Trichlorofluoromethane	1.92	101	276043	50.657	ug/l 100
8) Diethyl Ether	2.17	74	108496	60.582	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	153151	54.146	ug/l 98
10) 1,1-Dichloroethene	2.36	96	158591	56.588	ug/l 97
11) Methyl Iodide	2.49	142	196681	62.705	ug/l 97
12) Methyl Acetate	2.75	43	159157	45.453	ug/l 96
13) Acrolein	2.27	56	144621	424.047	ug/l 100
14) Acrylonitrile	3.12	53	372065	233.660	ug/l 98
15) Acetone	2.42	58	131430	286.090	ug/l 99
16) Carbon Disulfide	2.55	76	394582	50.063	ug/l 99
17) Allyl chloride	2.71	41	207715	43.865	ug/l 98
18) Methylene Chloride	2.83	84	158872	49.877	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	160352	52.434	ug/l 99
20) Diisopropyl ether	3.82	45	385265	41.748	ug/l 93
21) 1,1-Dichloroethane	3.67	63	265043	48.553	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	184376	54.562	ug/l 98
23) tert-Butyl Alcohol	3.01	59	206509	281.595	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	444146	46.526	ug/l 99
25) Chloroform	5.18	83	282096	48.450	ug/l 95
26) Cyclohexane	5.55	56	210780	47.474	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	214609	48.030	ug/l 99
30) 2-Butanone	4.64	43	542694	226.438	ug/l 99
31) 2,2-Dichloropropane	4.55	77	252908	47.123	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	262345	45.669	ug/l 98
33) Carbon Tetrachloride	5.76	117	238687	44.784	ug/l 97
34) Benzene	6.11	78	641142	50.198	ug/l 99
35) Methacrylonitrile	5.00	41	110925	43.819	ug/l 97
36) 1,2-Dichloroethane	6.16	62	212372	41.577	ug/l 99
37) Trichloroethene	7.19	130	189543	50.867	ug/l 100
38) Methylcyclohexane	7.44	83	245631	50.530	ug/l 98
39) 1,2-Dichloropropane	7.49	63	157556	46.851	ug/l 96
40) Dibromomethane	7.63	93	116082	47.568	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018935.D
 Acq On : 15 Oct 2020 14:25
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

apatel
 10/16/2020 2:11:32 PM

Quant Time: Oct 15 14:48:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 15 14:34:11 2020
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.87	83	232540	46.001	ug/l	97
42) Vinyl Acetate	3.79	43	1921833	216.308	ug/l	100
43) Ethyl Acetate	4.79	43	214668	44.973	ug/l	98
44) Isopropyl Acetate	6.41	43	359179	46.193	ug/l #	100
45) 1,4-Dioxane	7.71	88	75779	1102.539	ug/l	98
46) Methyl methacrylate	7.74	41	168467	44.101	ug/l	98
47) n-amyl Acetate	10.88	43	293033	42.671	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	270008	48.955	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	283767	49.036	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	165191	48.037	ug/l	96
51) Ethyl methacrylate	9.16	69	262623	51.605	ug/l	99
52) 1,3-Dichloropropane	9.35	76	274672	48.169	ug/l	100
53) Dibromochloromethane	9.57	129	199147	46.542	ug/l	99
54) 1,2-Dibromoethane	9.65	107	184088	48.593	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	681092	257.180	ug/l	99
56) Bromoform	10.84	173	152526	46.821	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	1075167	244.887	ug/l	100
59) 2-Hexanone	9.47	43	814346	243.128	ug/l	100
61) Tetrachloroethene	9.32	164	166136	51.511	ug/l	96
62) Toluene	8.76	91	713378	53.963	ug/l	100
64) Chlorobenzene	10.12	112	450805	52.964	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.20	131	175369	51.182	ug/l	99
66) Ethyl Benzene	10.23	91	783156	53.130	ug/l	99
67) m/p-Xylenes	10.34	106	606726	107.544	ug/l	99
68) o-Xylene	10.68	106	287985	53.676	ug/l	100
69) Styrene	10.70	104	494510	53.220	ug/l	99
70) Isopropylbenzene	11.00	105	763662	51.745	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	237567	50.194	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	224318m	49.451	ug/l	
73) Bromobenzene	11.24	156	197860	49.597	ug/l	98
74) n-propylbenzene	11.34	91	873312	50.543	ug/l	100
75) 2-Chlorotoluene	11.40	91	500609	48.302	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	633724	49.635	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	95924	52.758	ug/l	98
78) 4-Chlorotoluene	11.49	91	582981	47.277	ug/l	99
79) tert-butylbenzene	11.76	119	645352	52.009	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	634398	50.326	ug/l	100
81) sec-Butylbenzene	11.93	105	740056	51.150	ug/l	100
82) p-Isopropyltoluene	12.05	119	688284	50.985	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	354728	50.109	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	351603	49.655	ug/l	99
85) n-Butylbenzene	12.37	91	608360	51.062	ug/l	100
86) Hexachloroethane	12.58	117	114961	44.387	ug/l	95
87) 1,2-Dichlorobenzene	12.38	146	340133	50.899	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	58221	48.051	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	241045	52.538	ug/l	98
90) Hexachlorobutadiene	13.76	225	97751	51.004	ug/l	94
91) Naphthalene	13.82	128	815892	56.281	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	245812	54.206	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
Data File : VX018935.D
Acq On : 15 Oct 2020 14:25
Operator : JC/SP
Sample : VSTDICC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM

Quant Time: Oct 15 14:48:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 15 14:34:11 2020
Response via : Initial Calibration

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

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

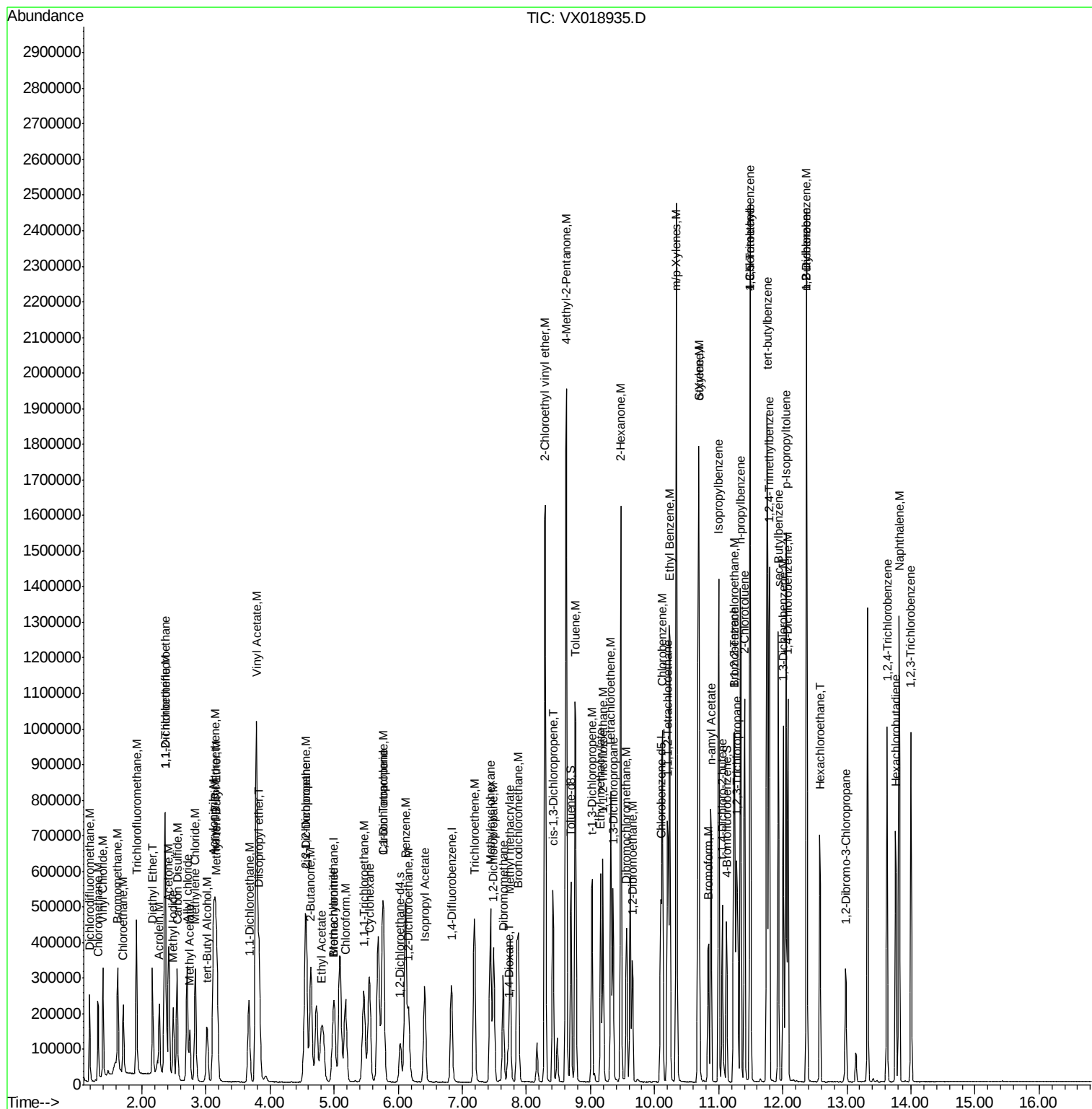
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101520\
Data File : VX018935.D
Acq On : 15 Oct 2020 14:25
Operator : JC/SP
Sample : VSTDIC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

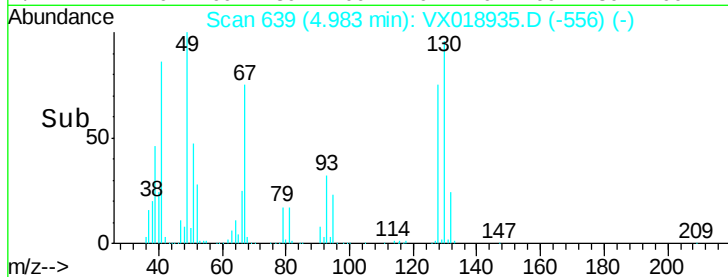
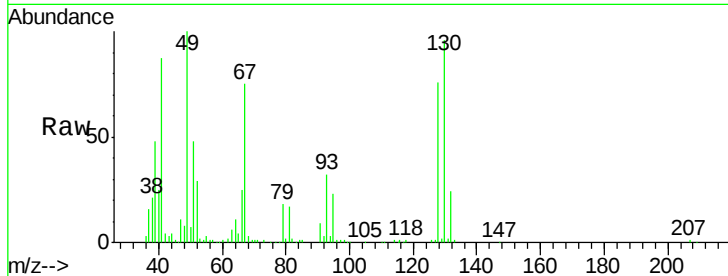
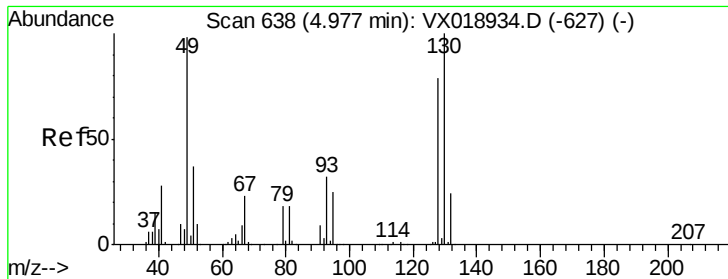
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM

Quant Time: Oct 15 14:48:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 15 14:34:11 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX018935.D

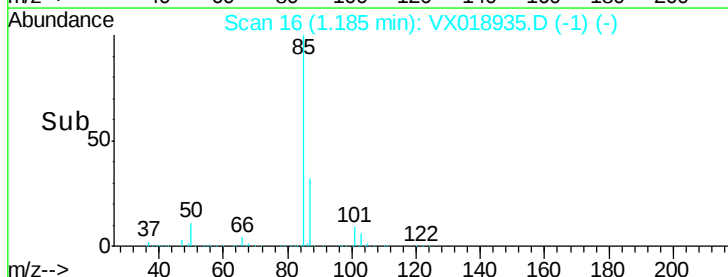
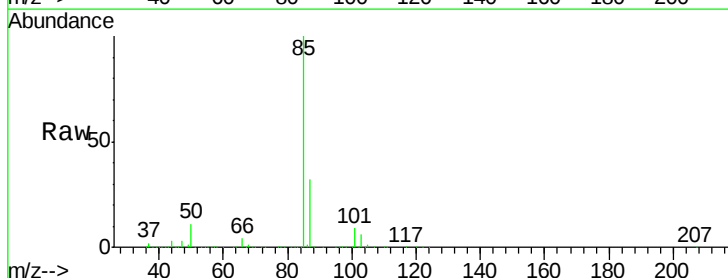
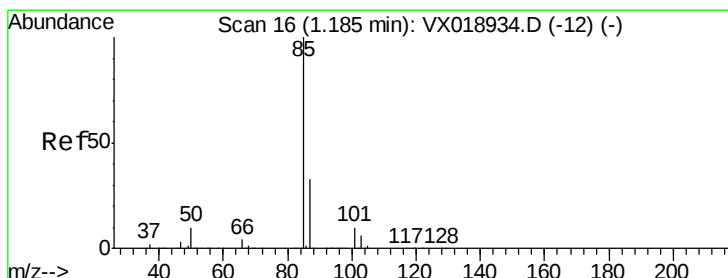
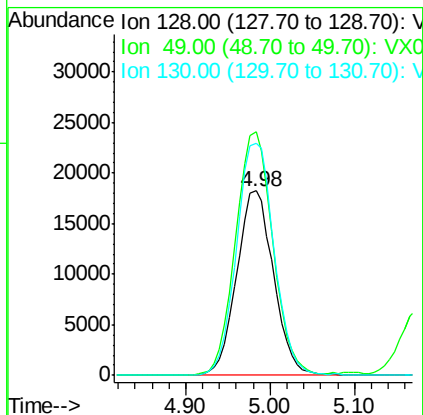
Acq: 15 Oct 2020 14:25

Tot Ion:	128	Resp:	54139
Ion	Ratio	Lower	Upper
128	100		
49	133.6	0.0	330.5
130	128.1	0.0	323.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM



#2

Dichlorodifluoromethane

Concen: 44.507 ug/l

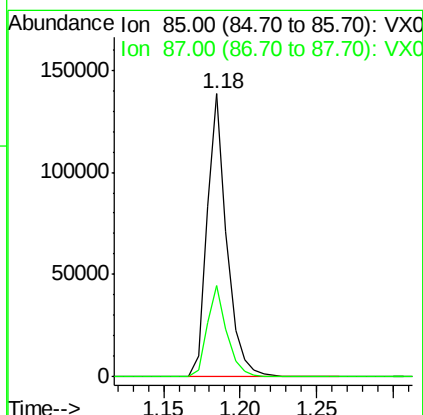
RT: 1.18 min Scan# 16

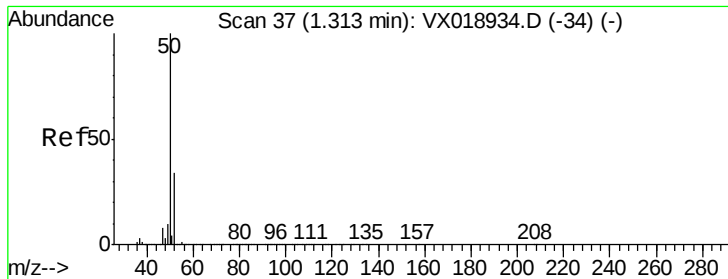
Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Tgt Ion:	85	Resp:	124443
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.3	48.8





#3

Chloromethane

Concen: 47.191 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 144052

Ion Ratio Lower Upper

50 100

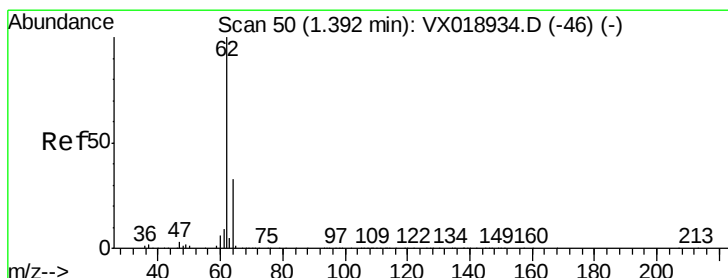
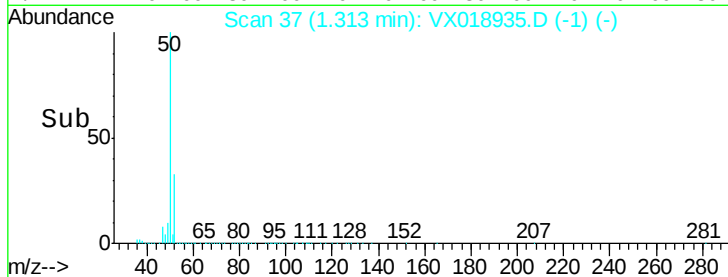
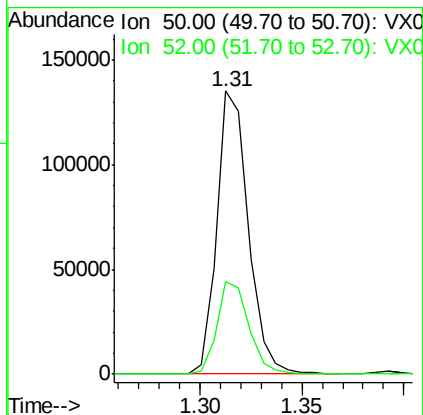
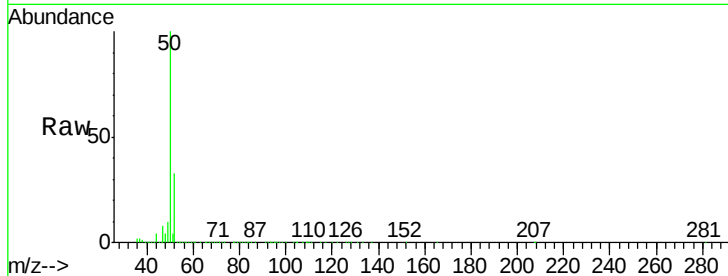
52 32.7 27.0 40.4

Manual Integrations

APPROVED

apatel

10/16/2020 2:11:32 PM



#4

Vinyl Chloride

Concen: 54.458 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018935.D

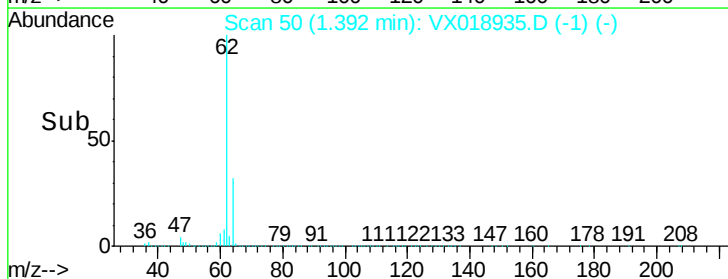
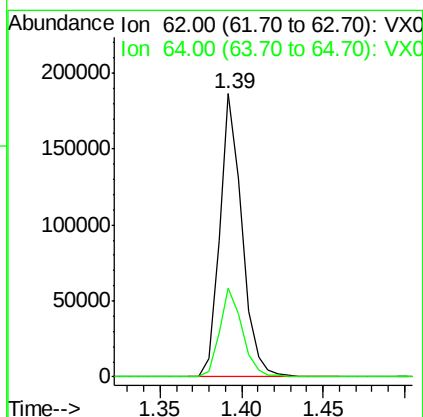
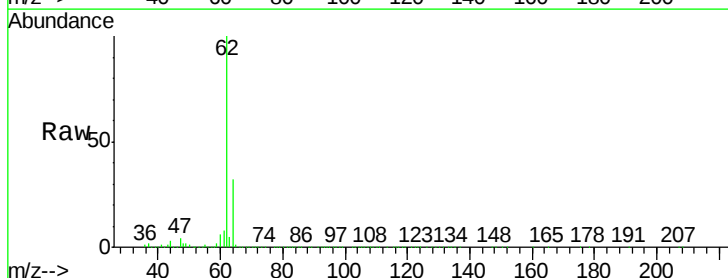
Acq: 15 Oct 2020 14:25

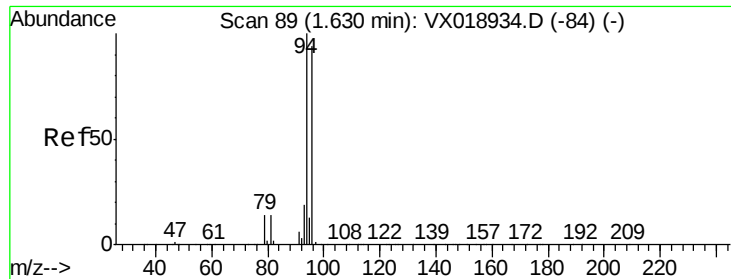
Tgt Ion: 62 Resp: 177714

Ion Ratio Lower Upper

62 100

64 31.5 26.1 39.1





#5

Bromomethane

Concen: 55.066 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 119441

Ion Ratio Lower Upper

94 100

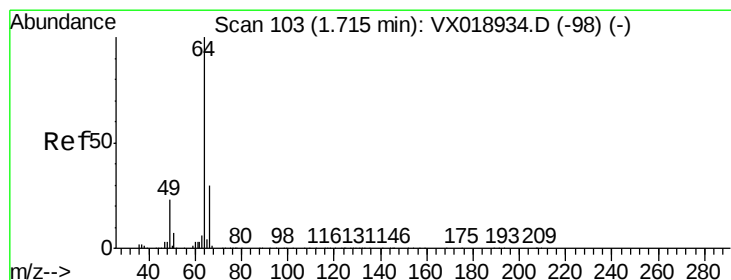
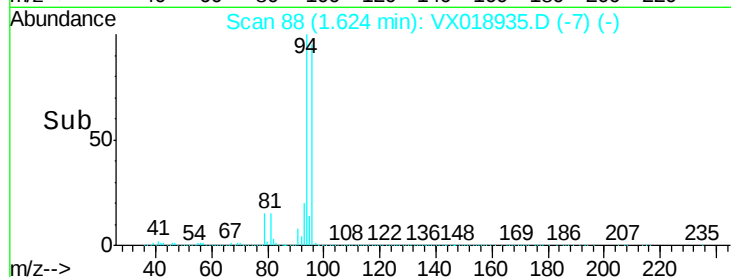
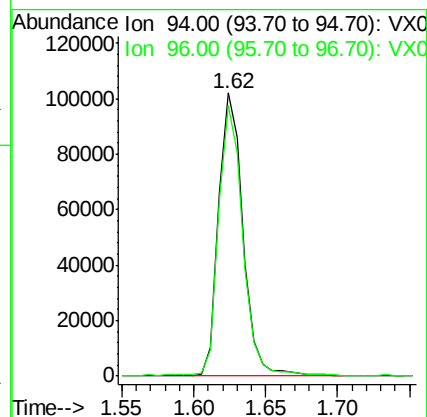
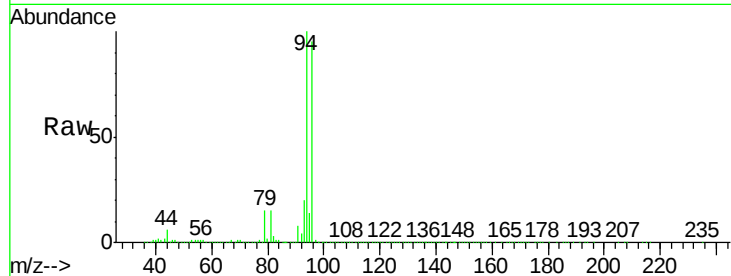
96 95.3 75.9 113.9

Manual Integrations

APPROVED

apatel

10/16/2020 2:11:32 PM



#6

Chloroethane

Concen: 59.509 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.01 min

Lab File: VX018935.D

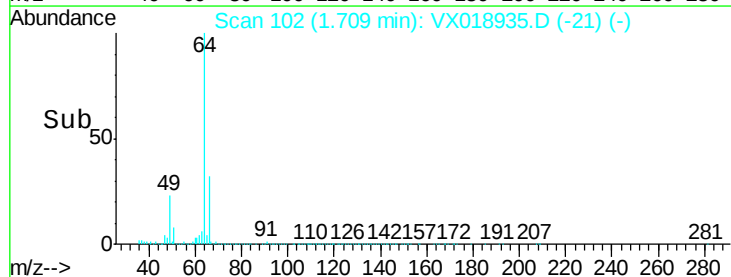
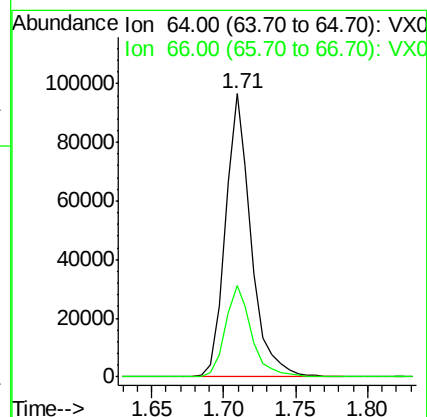
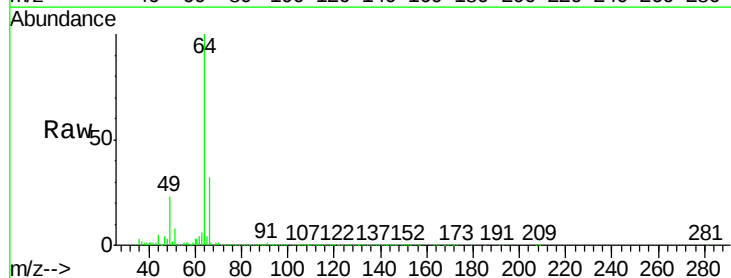
Acq: 15 Oct 2020 14:25

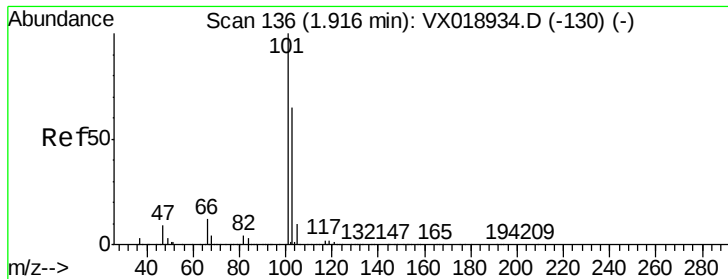
Tgt Ion: 64 Resp: 120025

Ion Ratio Lower Upper

64 100

66 32.1 24.5 36.7





#7

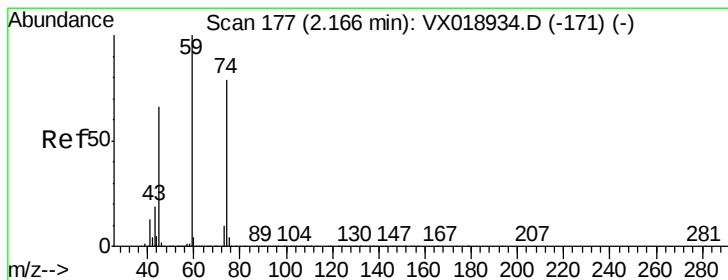
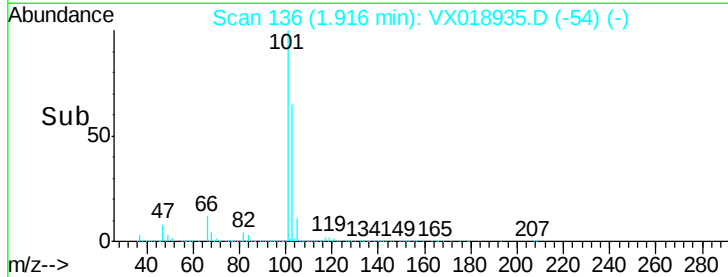
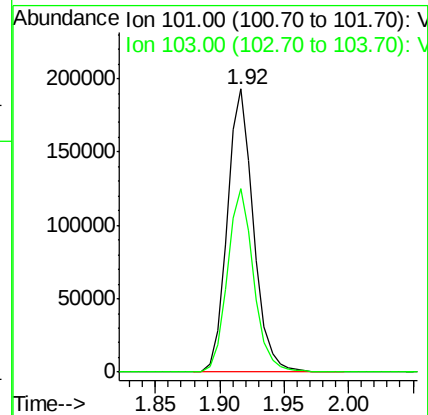
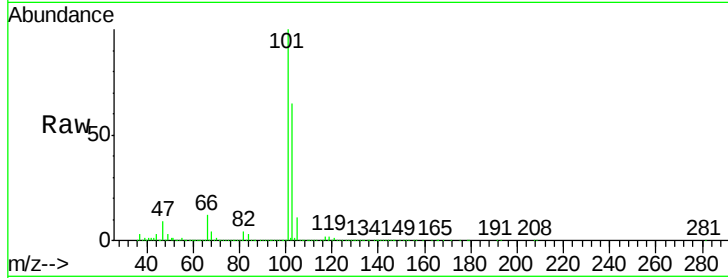
Trichlorofluoromethane
Concen: 50.657 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.6

Manual Integrations
APPROVED

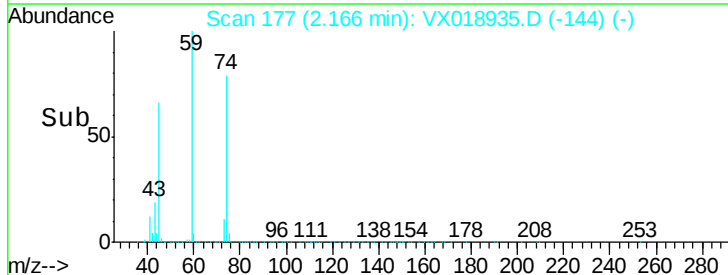
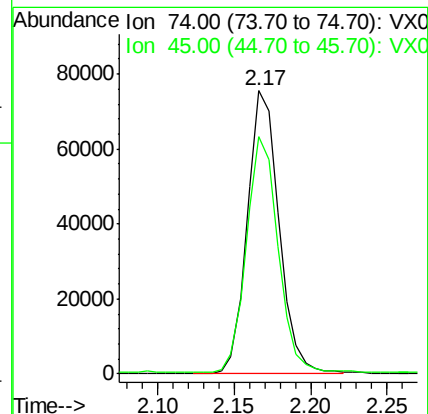
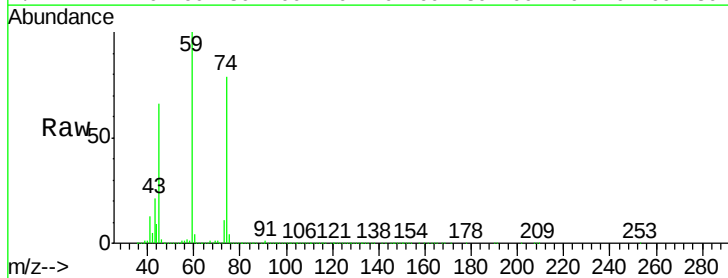
apatel
10/16/2020 2:11:32 PM

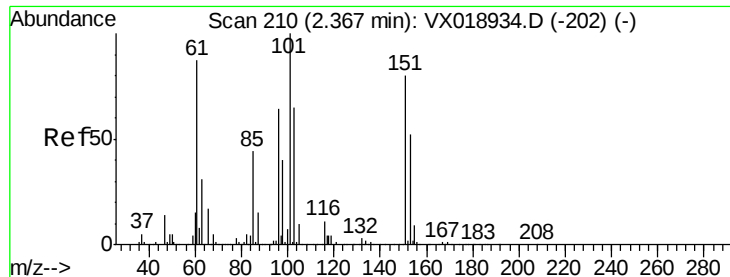


#8

Diethyl Ether
Concen: 60.582 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.7	16.6	149.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.146 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

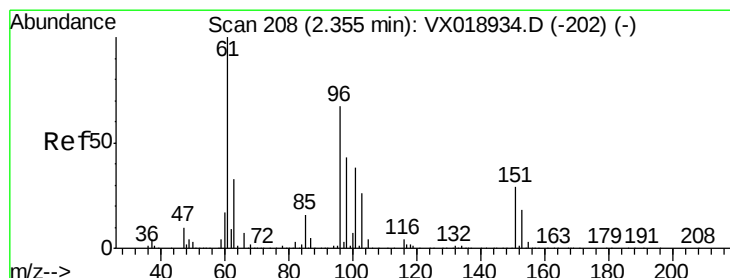
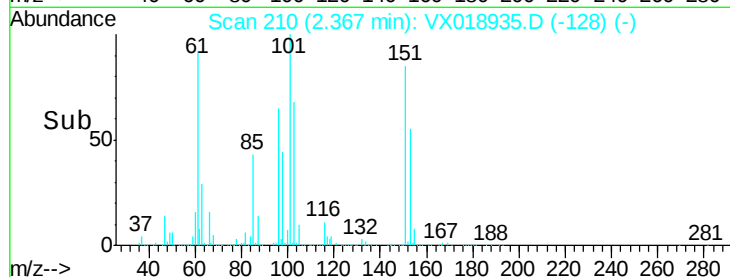
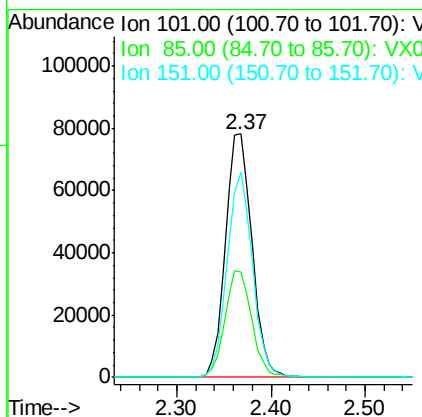
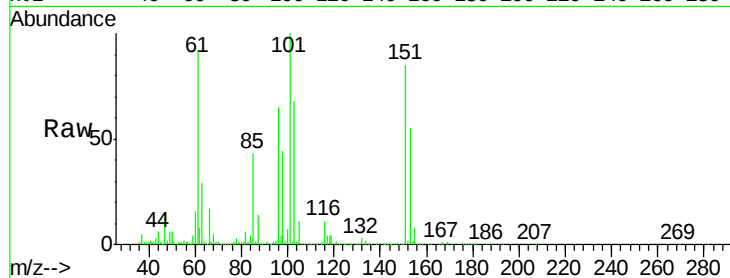
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	153151
Ion Ratio	Lower	Upper	
101	100		
85	42.8	0.0	85.4
151	80.9	0.0	157.6

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM



#10

1,1-Dichloroethene

Concen: 56.588 ug/l

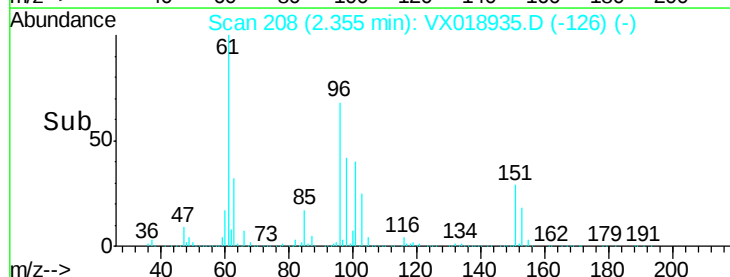
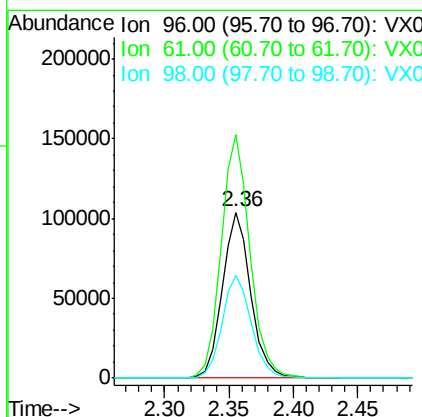
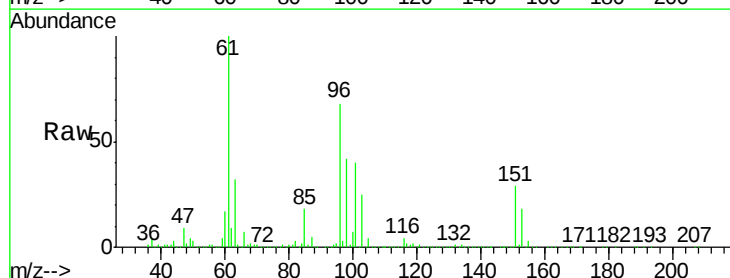
RT: 2.36 min Scan# 208

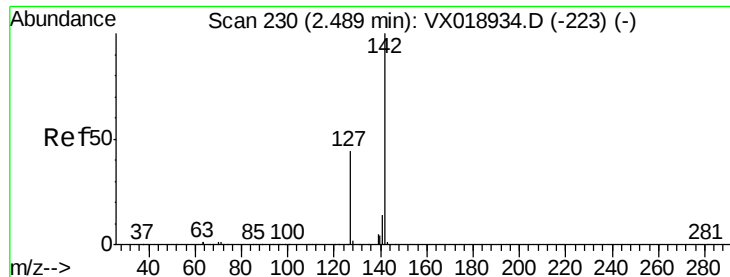
Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Tgt Ion:	96	Resp:	158591
Ion Ratio	Lower	Upper	
96	100		
61	147.2	120.2	180.4
98	62.0	51.4	77.0





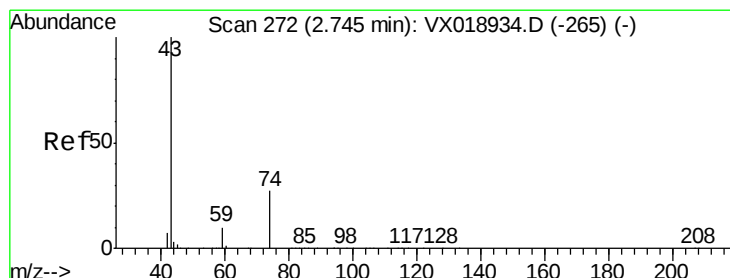
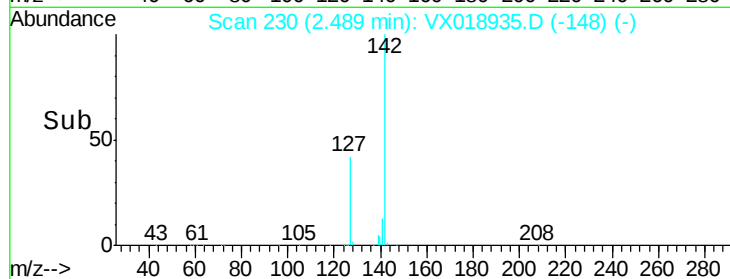
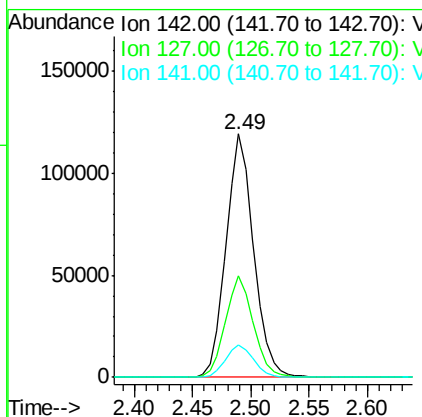
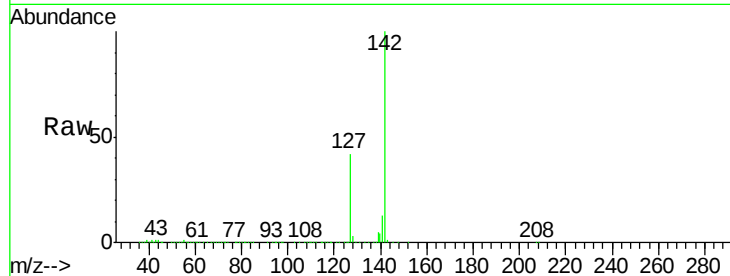
#11
Methvl Iodide
Concen: 62.705 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.8	22.1	66.1
141	13.2	7.0	21.1

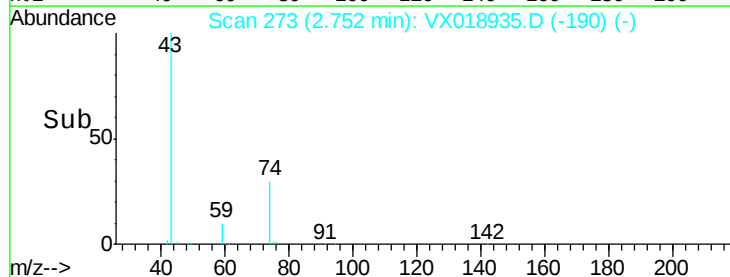
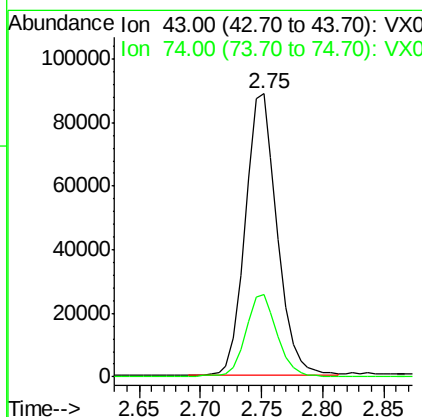
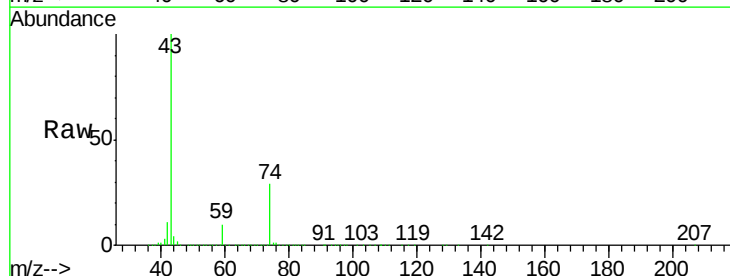
Manual Integrations
APPROVED

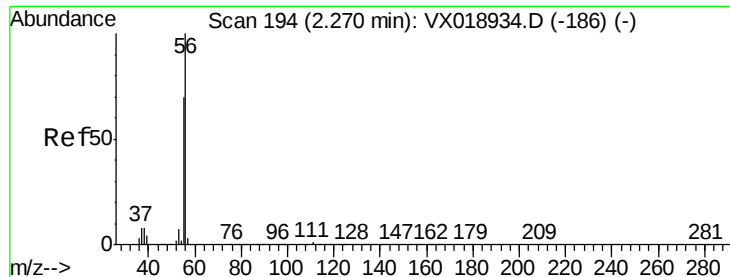
apatel
10/16/2020 2:11:32 PM



#12
Methyl Acetate
Concen: 45.453 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.1	21.6	32.4





#13

Acrolein

Concen: 424.047 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 144621

Ion Ratio Lower Upper

56 100

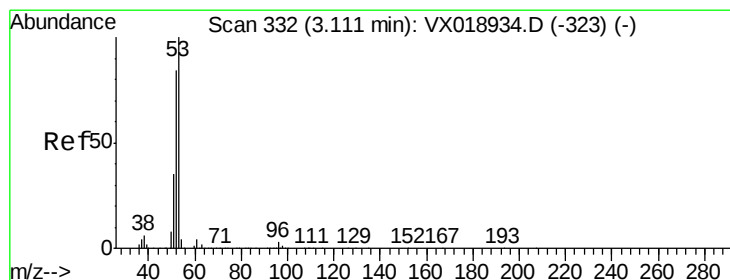
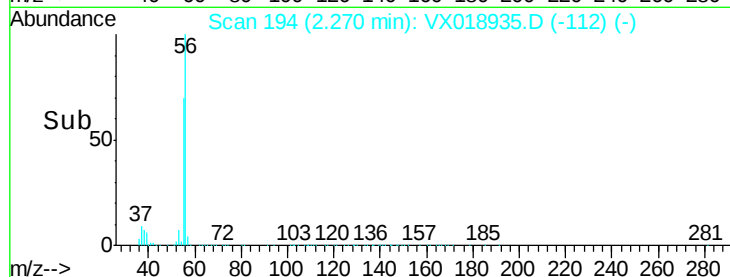
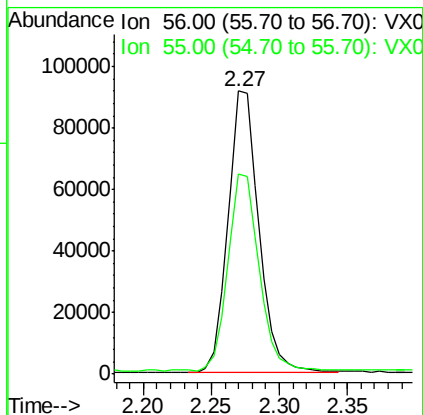
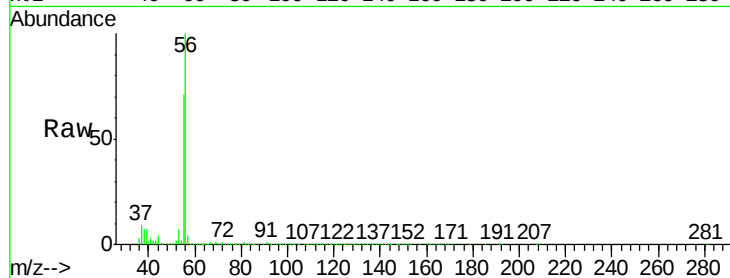
55 71.7 57.1 85.7

Manual Integrations

APPROVED

apatel

10/16/2020 2:11:32 PM



#14

Acrylonitrile

Concen: 233.660 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.01 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

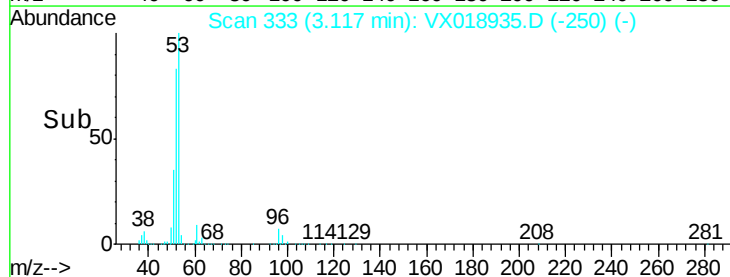
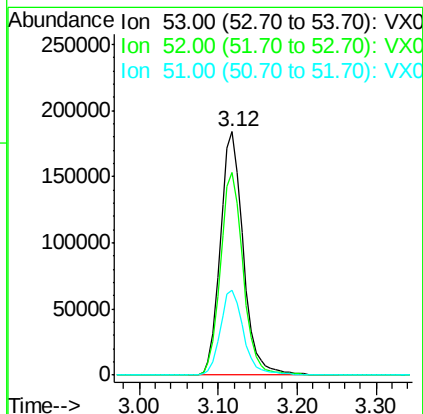
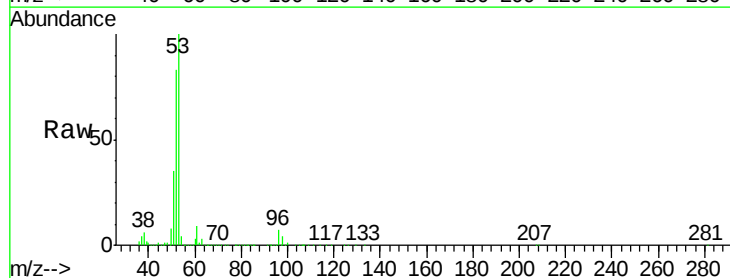
Tgt Ion: 53 Resp: 372065

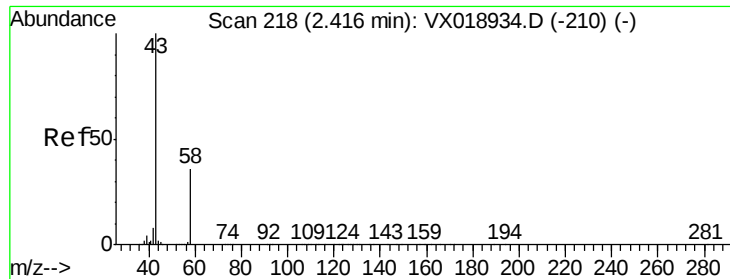
Ion Ratio Lower Upper

53 100

52 82.3 40.3 120.8

51 35.5 17.6 52.8





#15

Acetone

Concen: 286.090 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 131430

Ion Ratio Lower Upper

58 100

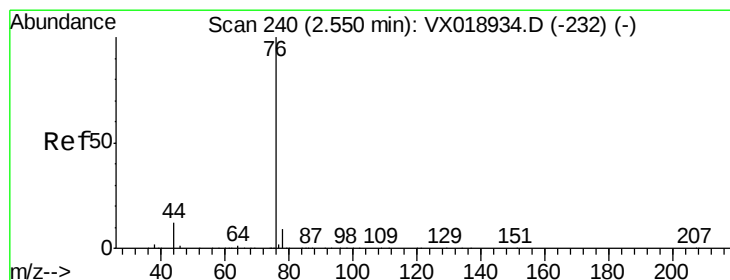
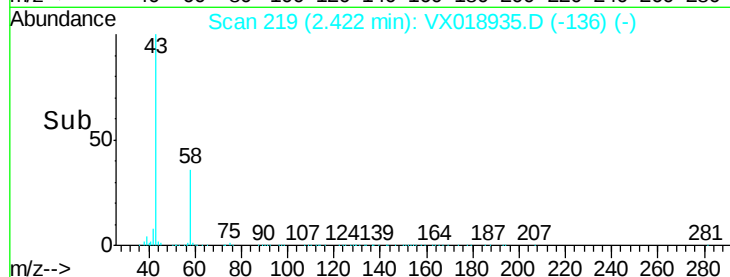
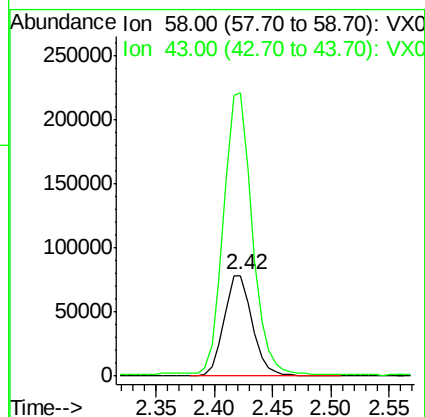
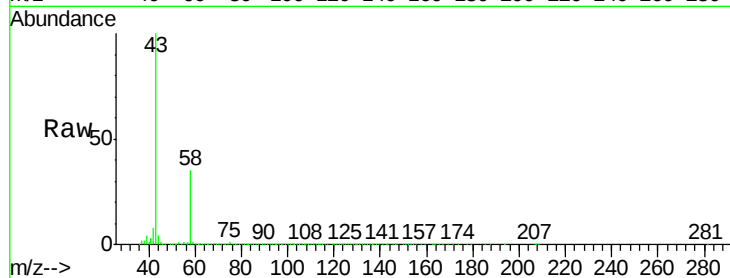
43 281.6 223.8 335.8

Manual Integrations

APPROVED

apatel

10/16/2020 2:11:32 PM



#16

Carbon Disulfide

Concen: 50.063 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018935.D

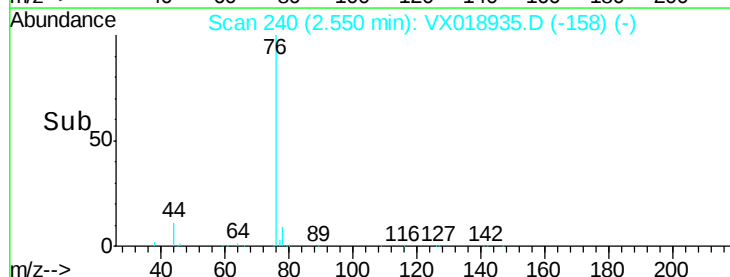
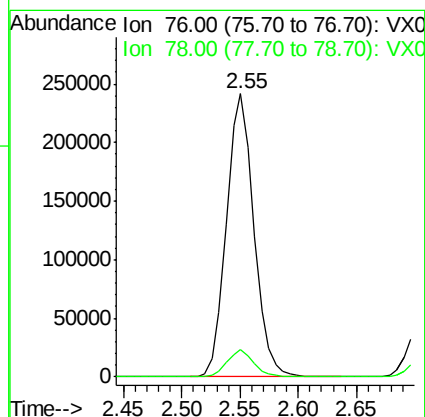
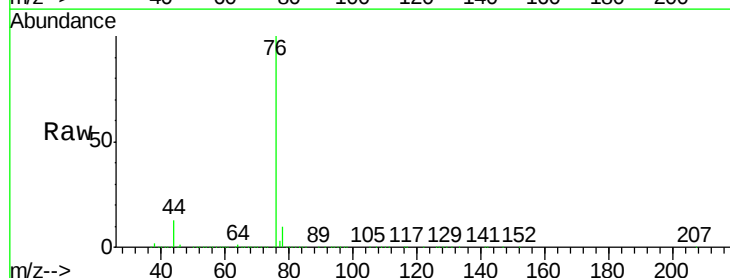
Acq: 15 Oct 2020 14:25

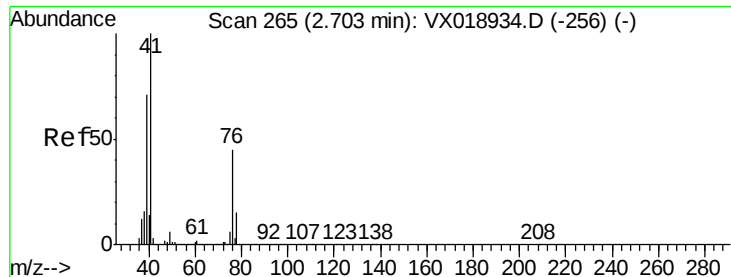
Tgt Ion: 76 Resp: 394582

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2





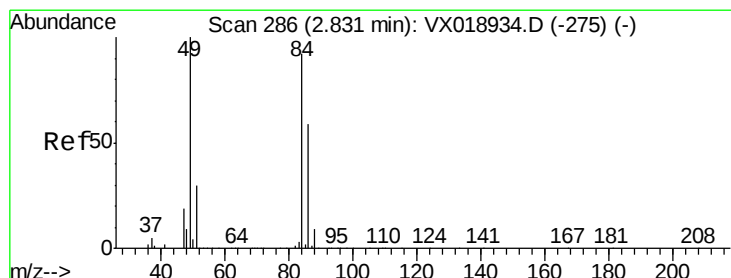
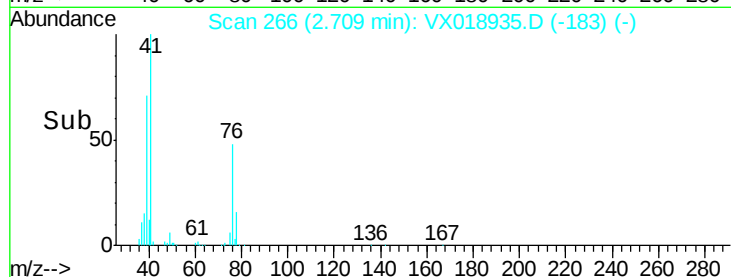
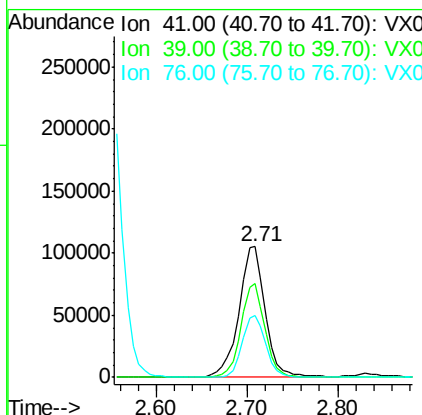
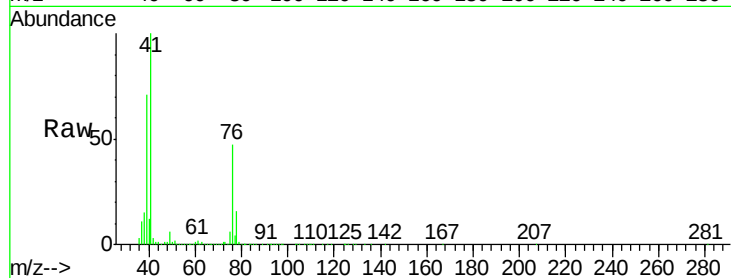
#17
Allvl chloride
Concen: 43.865 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.4	35.4	106.3
76	47.4	22.4	67.2

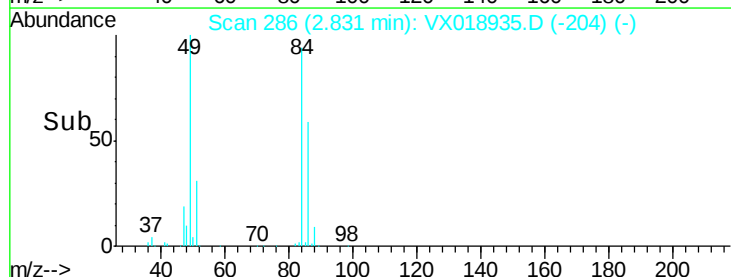
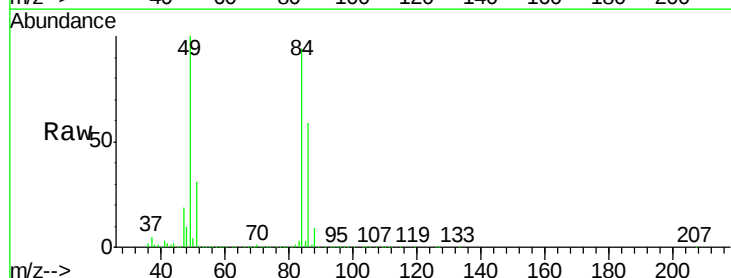
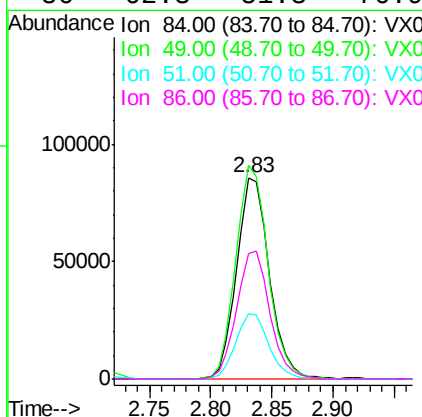
Manual Integrations
APPROVED

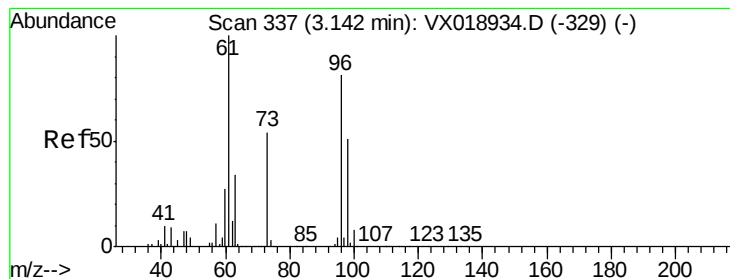
apatel
10/16/2020 2:11:32 PM



#18
Methylene Chloride
Concen: 49.877 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.3	87.2	130.8
51	32.4	25.9	38.9
86	62.3	51.3	76.9





#19

trans-1,2-Dichloroethene

Concen: 52.434 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

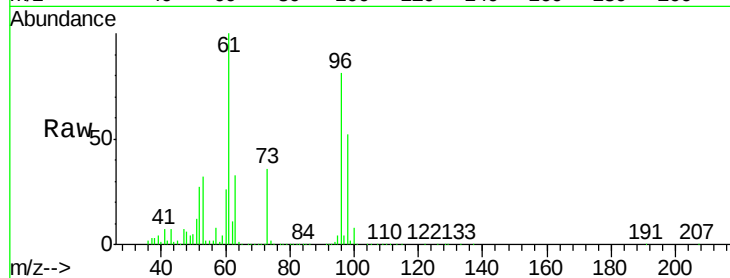
ClientSampleId :

VSTDIC050

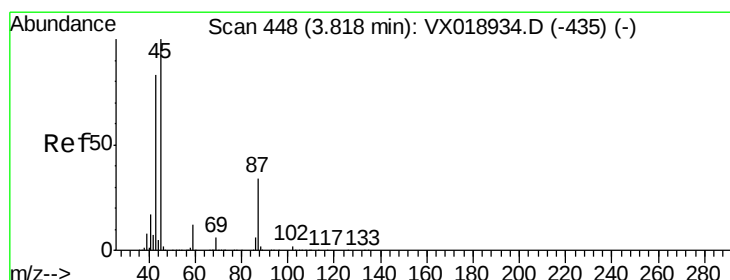
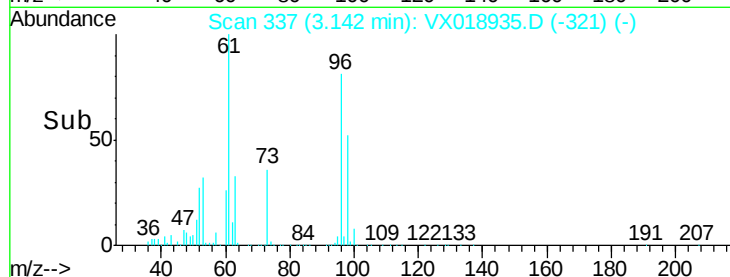
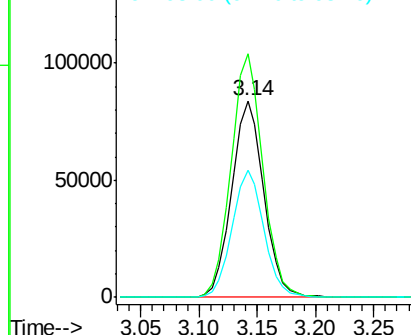
Tot Ion:	96	Resp:	160352
Ion	Ratio	Lower	Upper
96	100		
61	123.8	98.6	147.8
98	64.5	50.3	75.5

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 41.748 ug/l

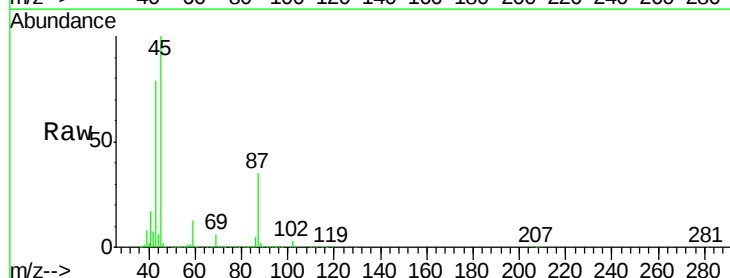
RT: 3.82 min Scan# 449

Delta R.T. 0.01 min

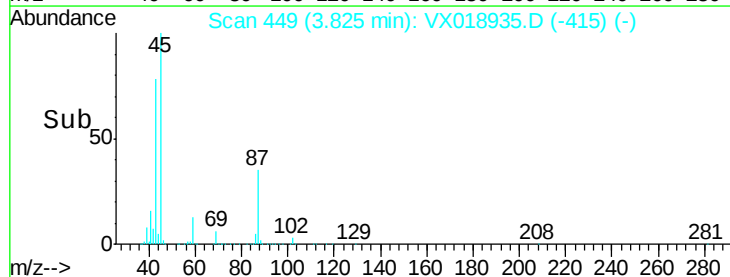
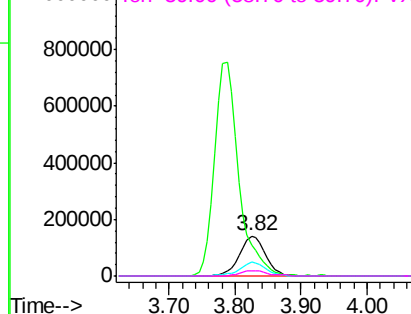
Lab File: VX018935.D

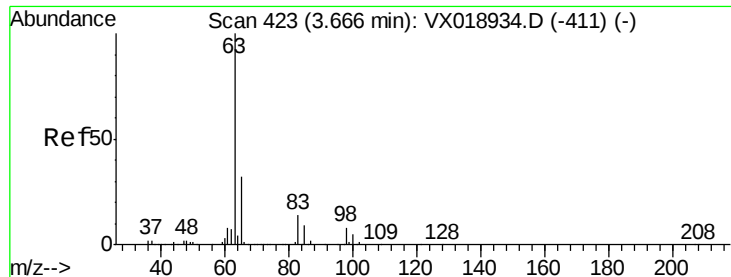
Acq: 15 Oct 2020 14:25

Tgt Ion:	45	Resp:	385265
Ion	Ratio	Lower	Upper
45	100		
43	77.9	69.7	104.5
87	34.6	26.9	40.3
59	12.6	9.9	14.9



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 48.553 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

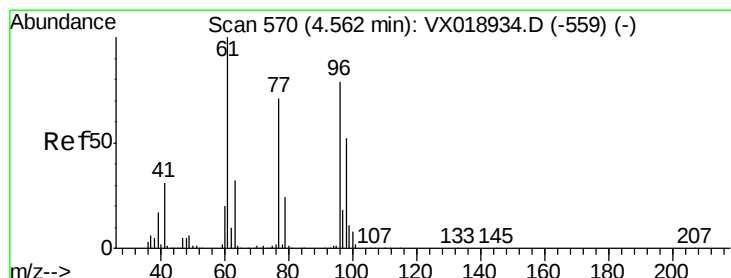
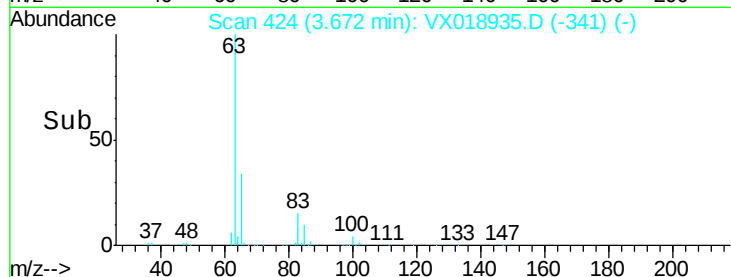
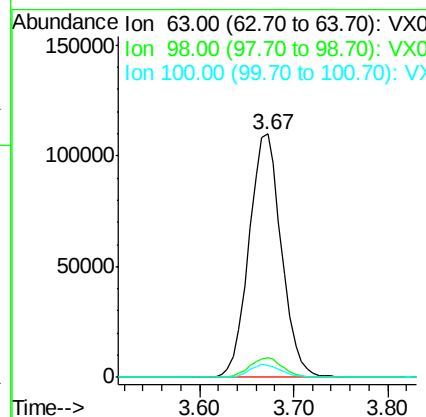
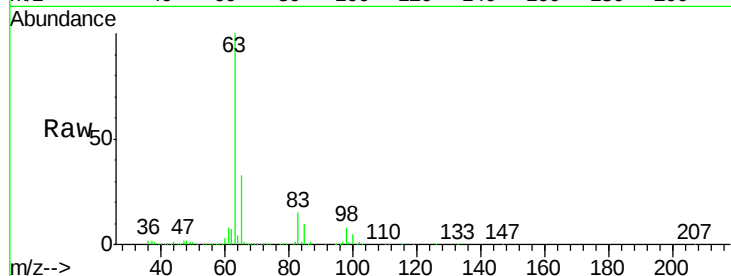
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	265043
Ion Ratio		Lower	Upper
63	100		
98	8.1	4.0	11.9
100	4.9	2.5	7.6

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM



#22

cis-1,2-Dichloroethene

Concen: 54.562 ug/l

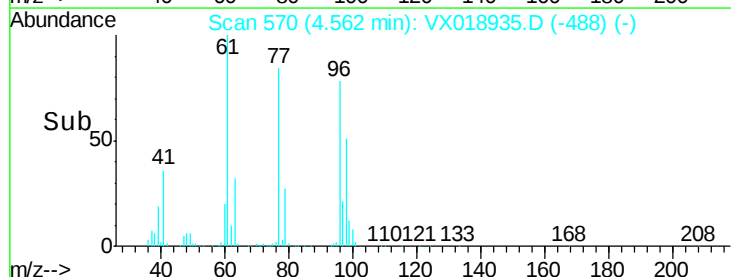
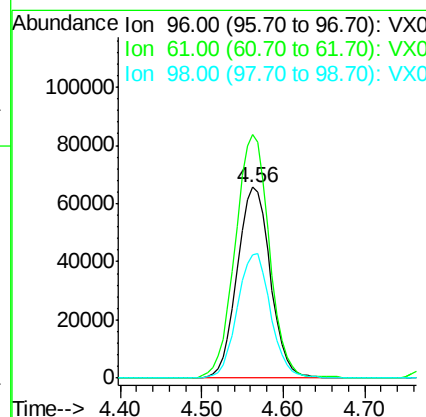
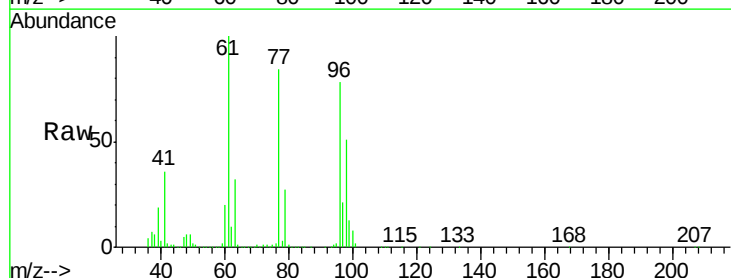
RT: 4.56 min Scan# 570

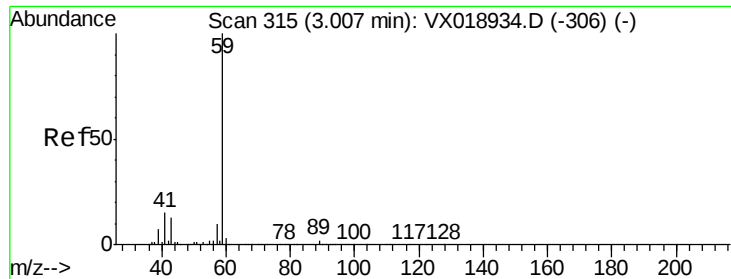
Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Tgt Ion:	96	Resp:	184376
Ion Ratio		Lower	Upper
96	100		
61	131.1	107.7	161.5
98	65.1	51.9	77.9





#23

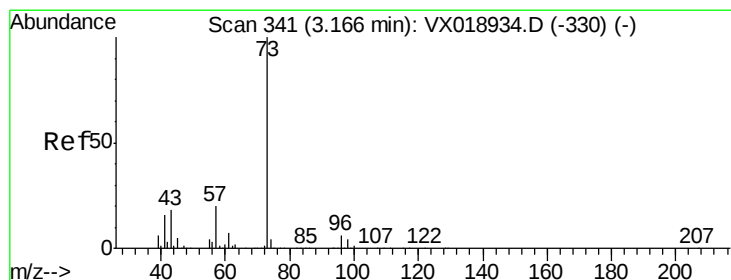
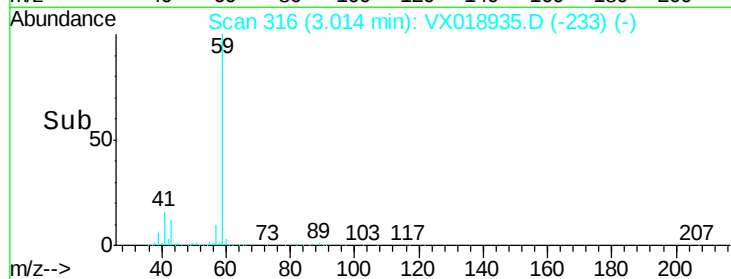
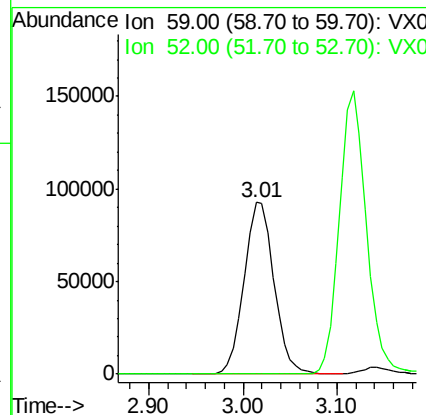
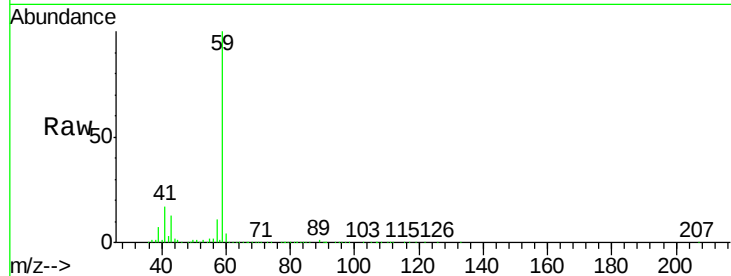
tert-Butyl Alcohol
 Concen: 281.595 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

Manual Integrations
 APPROVED

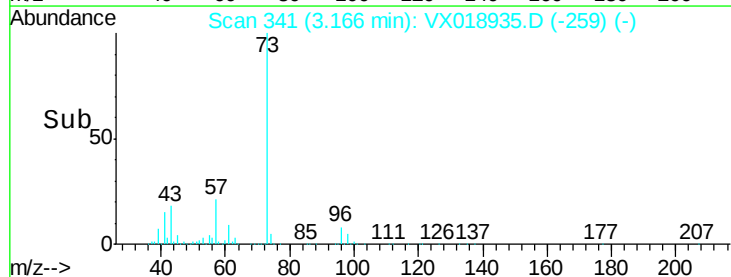
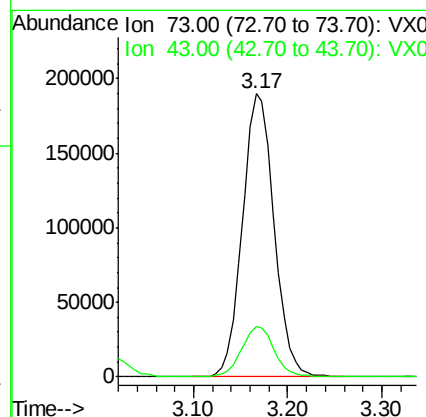
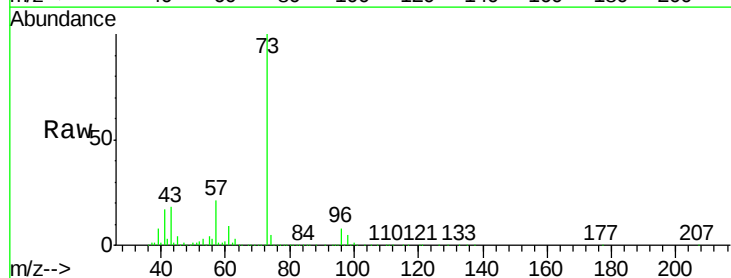
apatel
 10/16/2020 2:11:32 PM

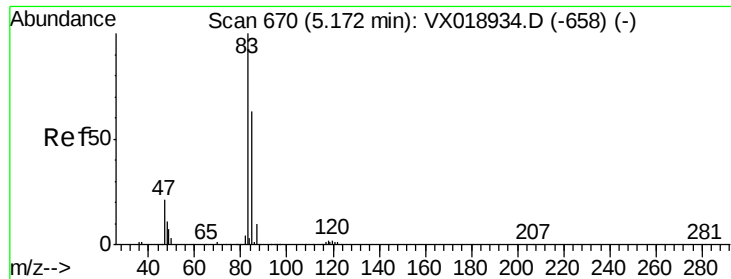


#24

Methyl tert-Butyl Ether
 Concen: 46.526 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.5	13.8	20.8





#25

Chloroform

Concen: 48.450 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 282096

Ion Ratio Lower Upper

83 100

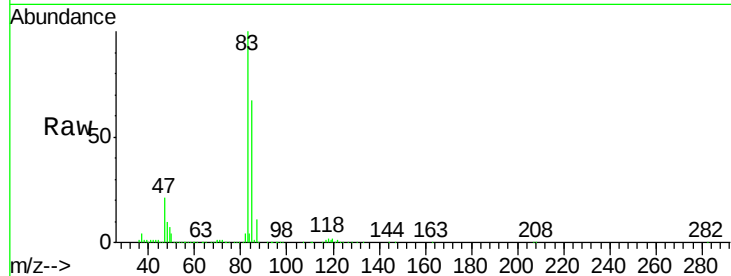
85 66.7 50.3 75.5

Manual Integrations

APPROVED

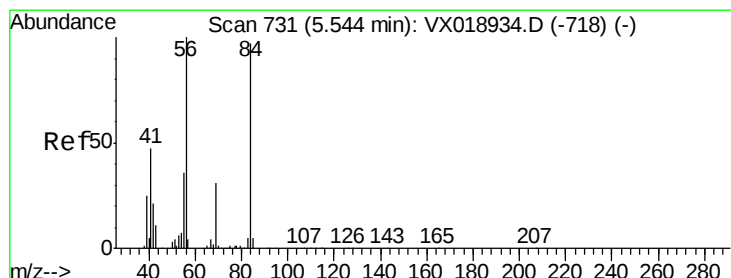
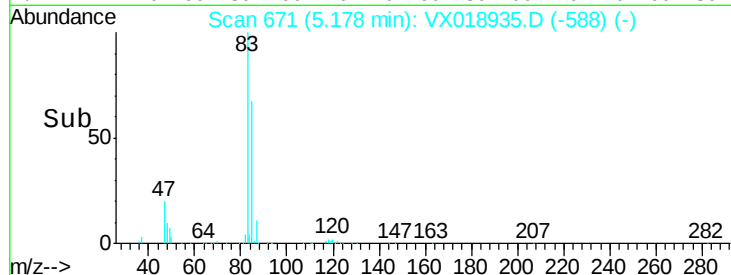
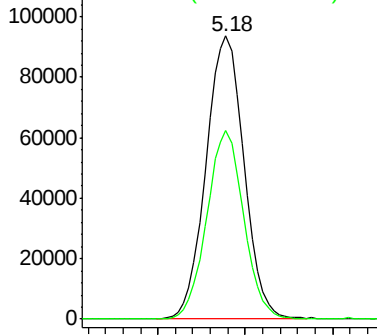
apatel

10/16/2020 2:11:32 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 47.474 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

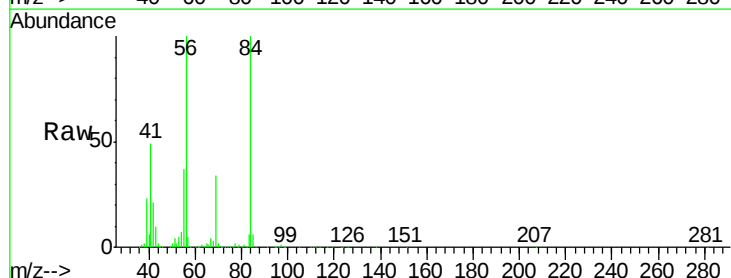
Tgt Ion: 56 Resp: 210780

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

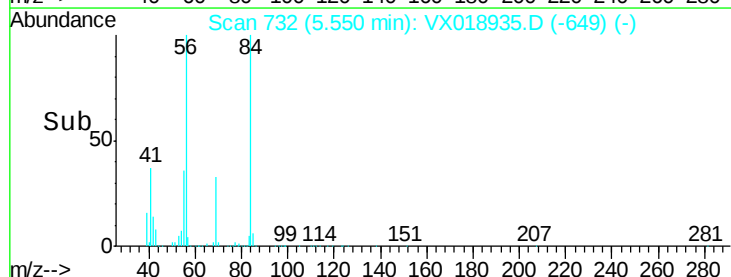
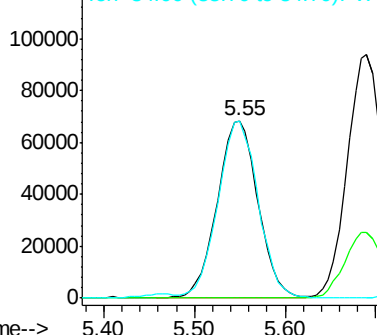
84 99.0 78.0 117.0

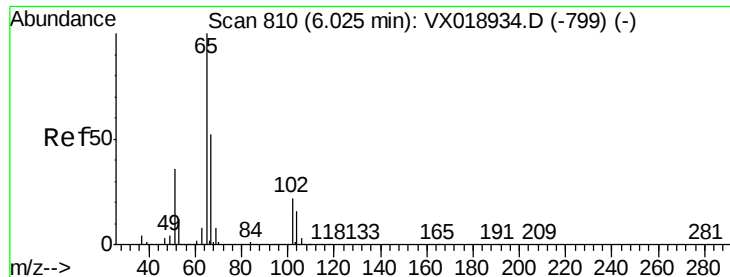


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 24.947 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 102300

Ion Ratio Lower Upper

65 100

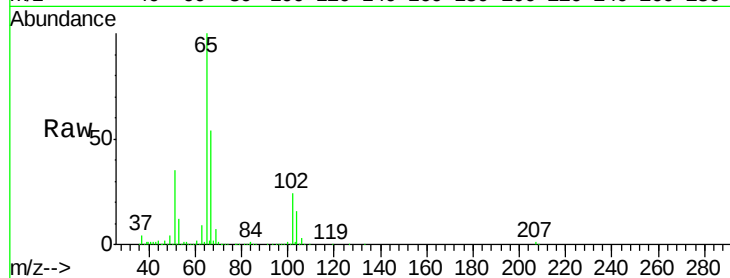
67 53.0 42.1 63.1

Manual Integrations

APPROVED

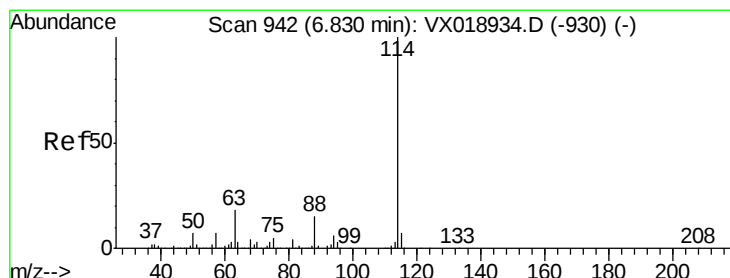
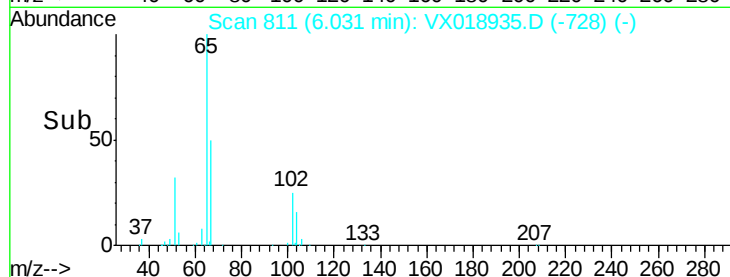
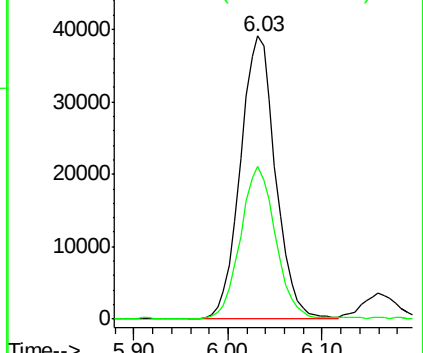
apatel

10/16/2020 2:11:32 PM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

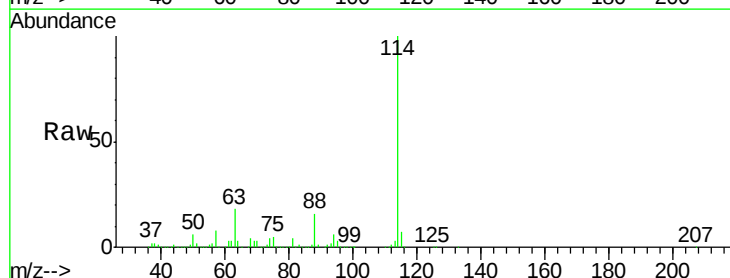
Tgt Ion: 114 Resp: 295531

Ion Ratio Lower Upper

114 100

63 18.3 14.6 21.8

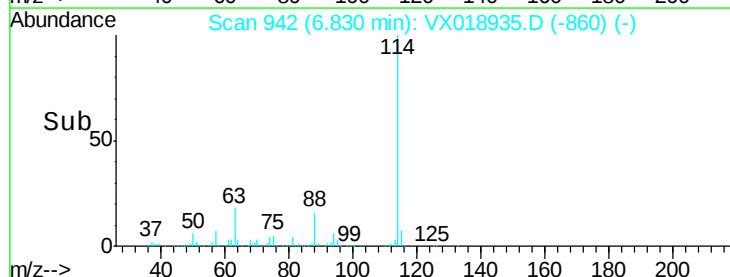
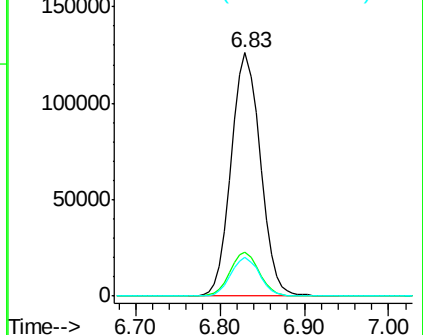
88 15.7 12.3 18.5

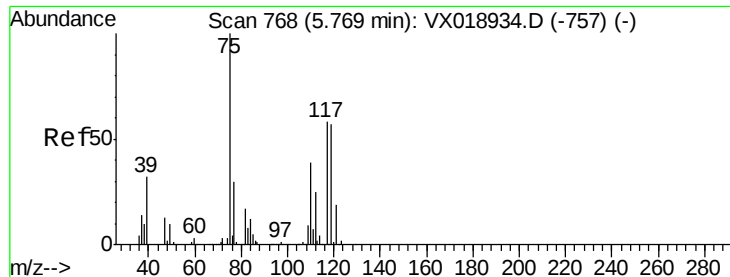


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





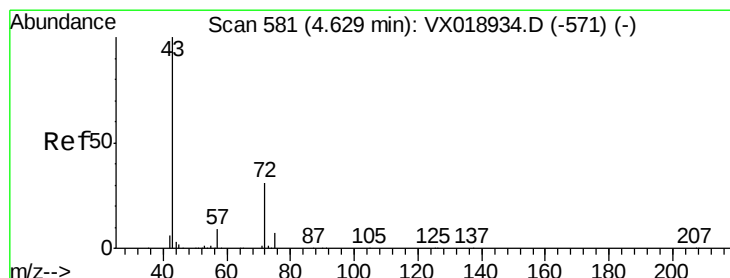
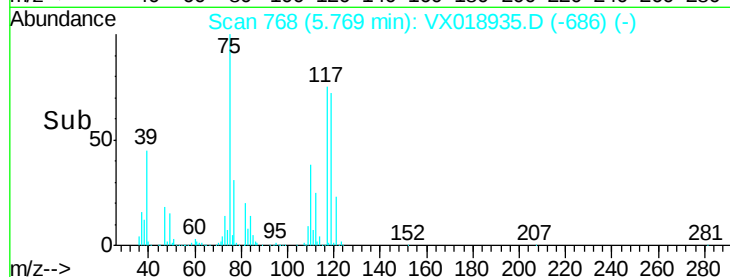
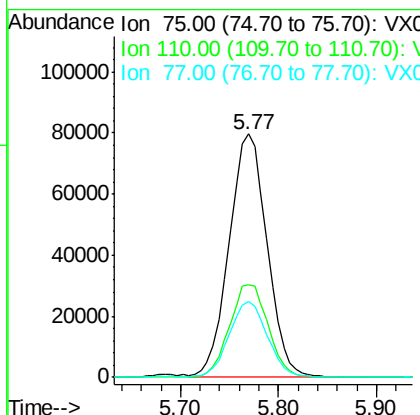
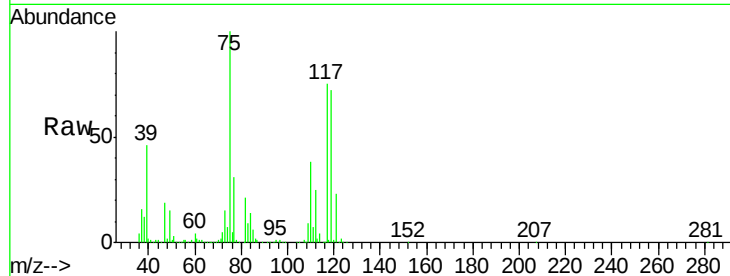
#29
 1,1-Dichloropropene
 Concen: 48.030 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.9	0.0	79.2
77	31.1	0.0	62.6

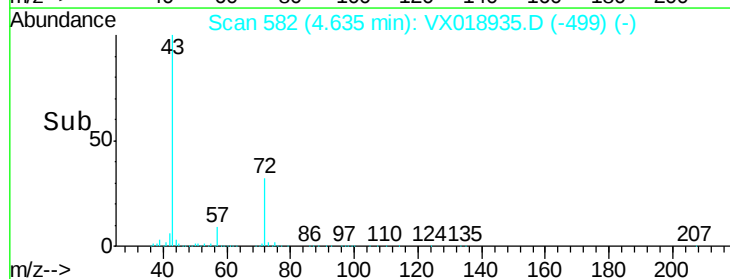
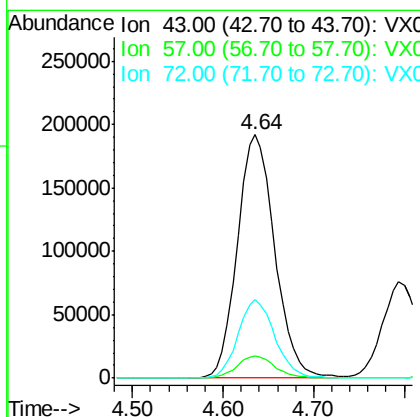
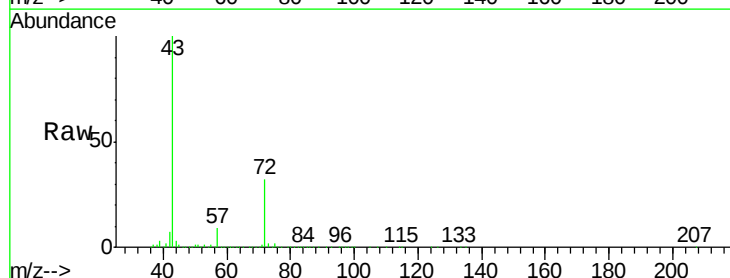
Manual Integrations
 APPROVED

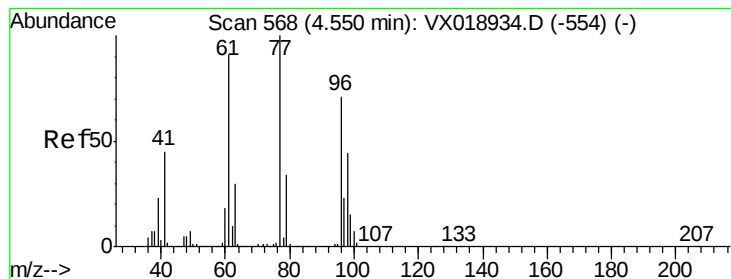
apatel
 10/16/2020 2:11:32 PM



#30
 2-Butanone
 Concen: 226.438 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.1	7.0	10.6
72	31.6	25.6	38.4





#31

2,2-Dichloropropane

Concen: 47.123 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 252908

Ion Ratio Lower Upper

77 100

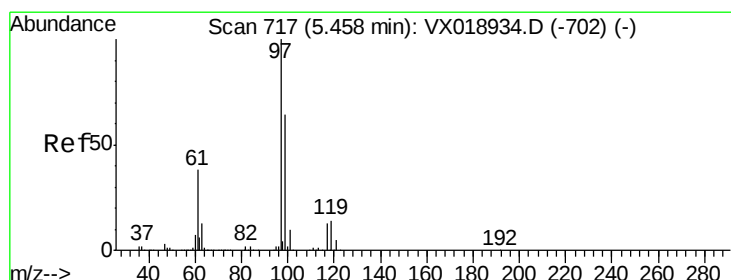
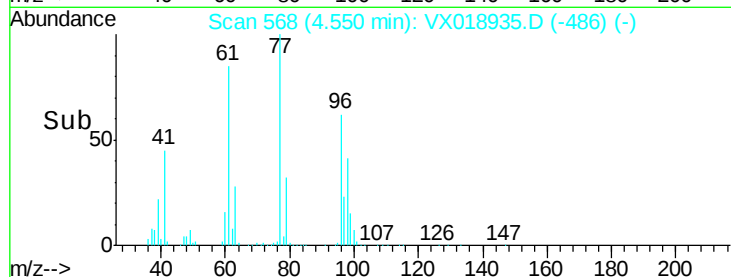
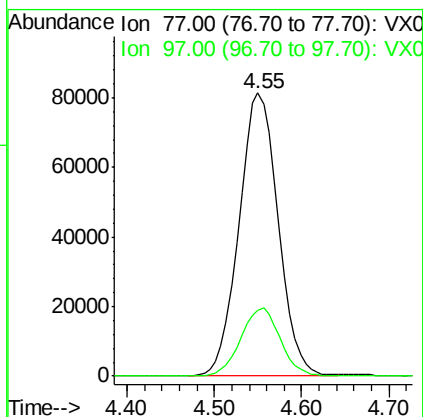
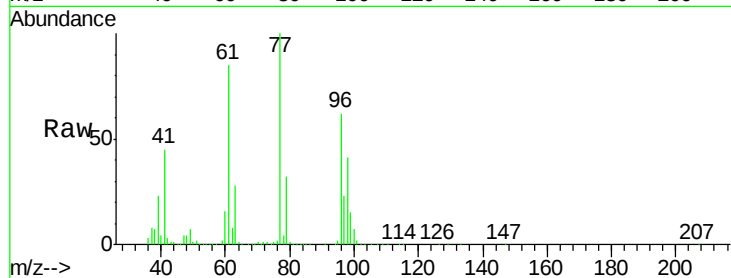
97 23.9 19.0 28.6

Manual Integrations

APPROVED

apatel

10/16/2020 2:11:32 PM



#32

1,1,1-Trichloroethane

Concen: 45.669 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

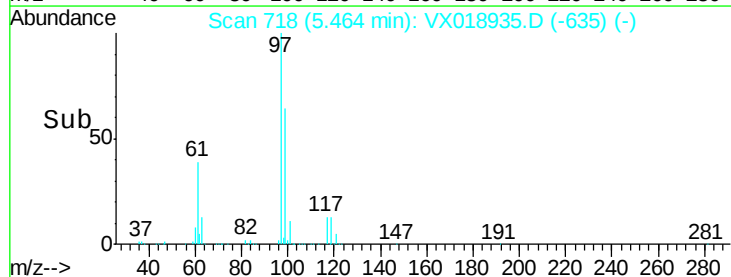
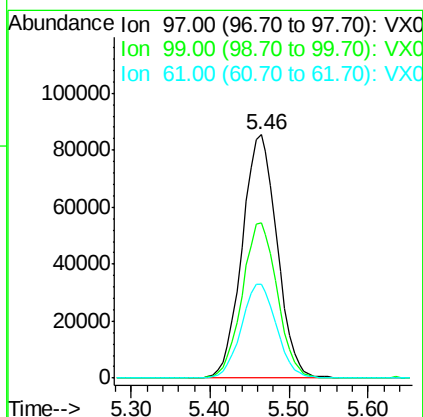
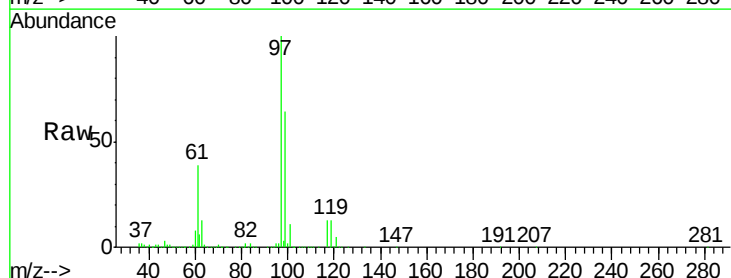
Tgt Ion: 97 Resp: 262345

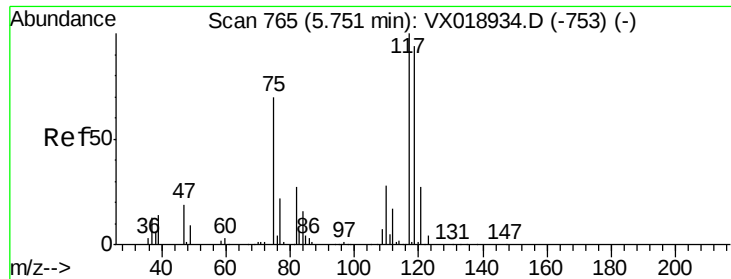
Ion Ratio Lower Upper

97 100

99 64.3 52.6 78.8

61 38.6 31.5 47.3





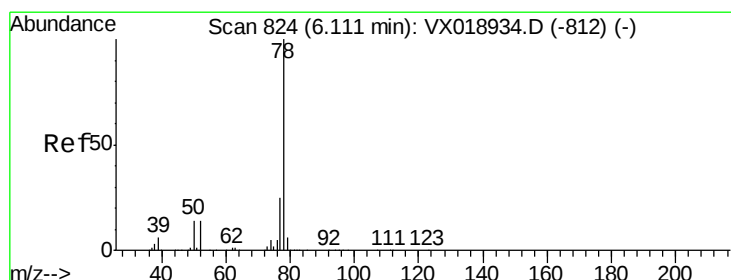
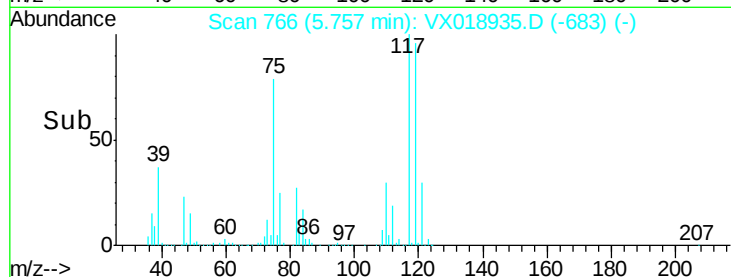
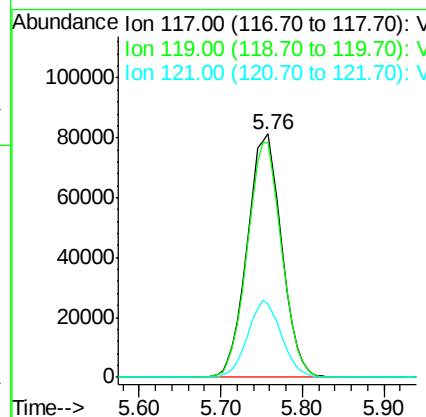
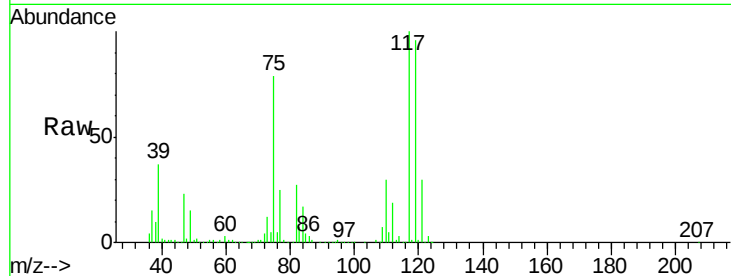
#33
Carbon Tetrachloride
Concen: 44.784 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.0	112.4
121	30.0	21.8	32.8

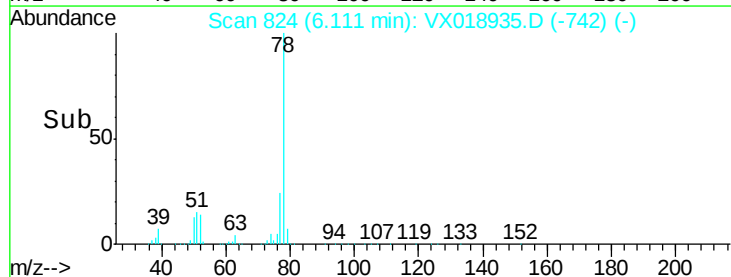
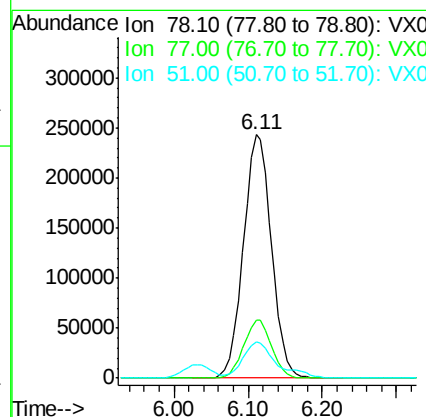
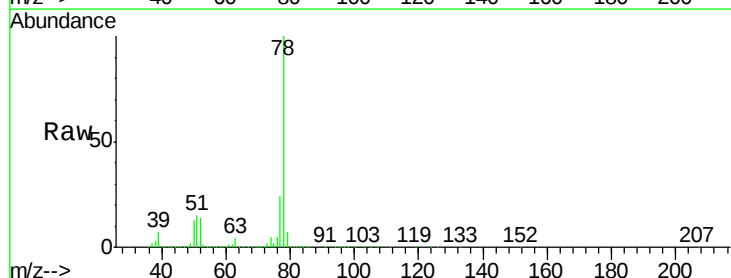
Manual Integrations
APPROVED

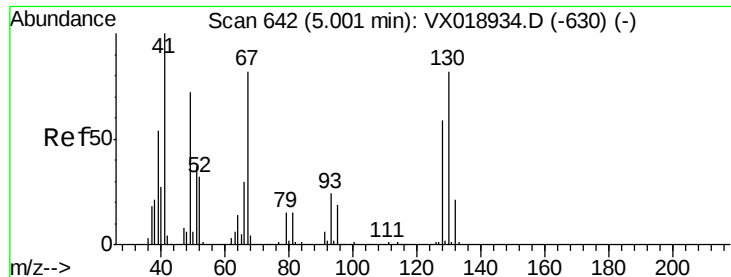
apatel
10/16/2020 2:11:32 PM



#34
Benzene
Concen: 50.198 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.7	29.5
51	15.0	12.0	18.0





#35

Methacrylonitrile

Concen: 43.819 ug/l

RT: 5.00 min Scan# 642

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 41 Resp: 110925

Ion Ratio Lower Upper

41 100

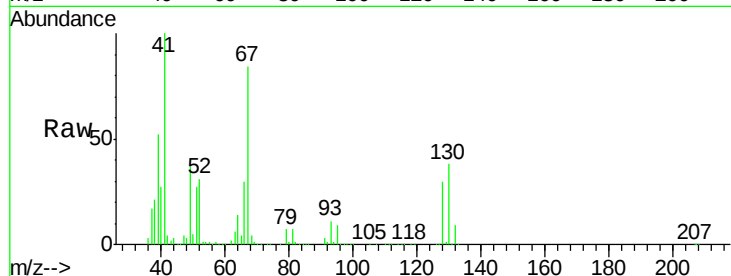
39 51.6 27.0 81.0

67 84.4 41.1 123.3

52 31.0 16.0 48.0

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM

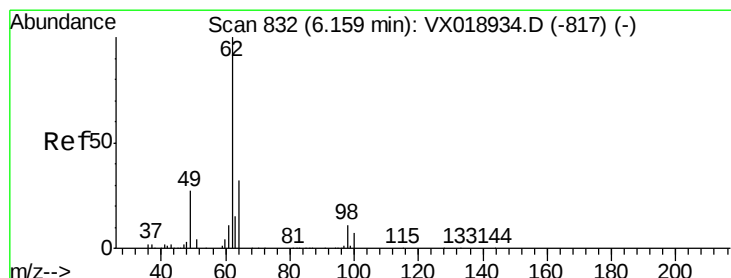
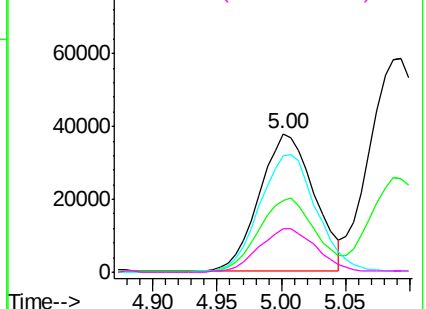
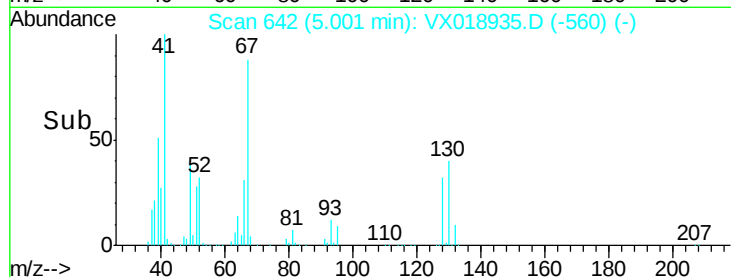


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#36

1,2-Dichloroethane

Concen: 41.577 ug/l

RT: 6.16 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX018935.D

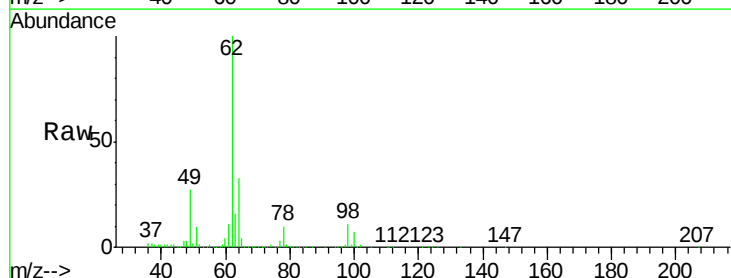
Acq: 15 Oct 2020 14:25

Tgt Ion: 62 Resp: 212372

Ion Ratio Lower Upper

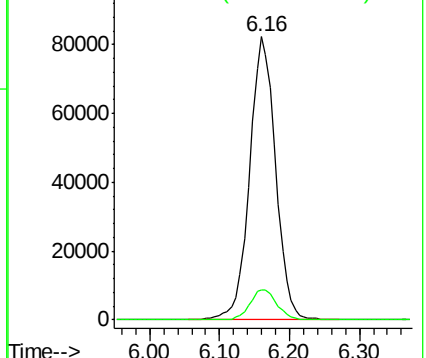
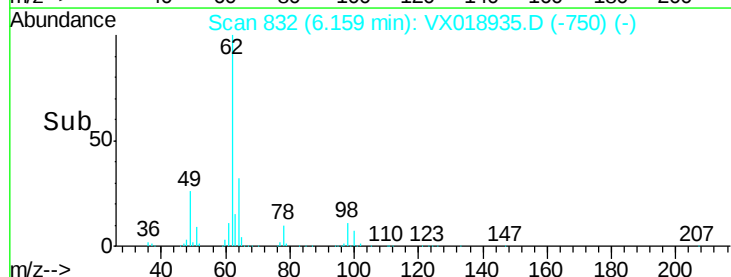
62 100

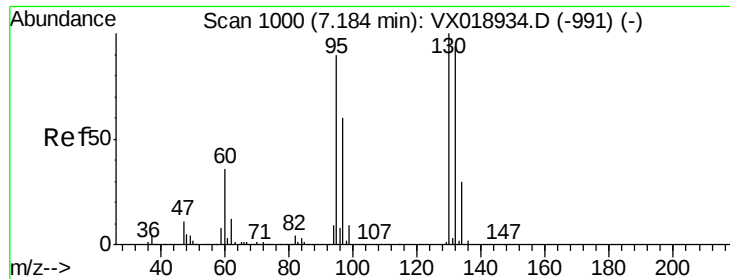
98 10.7 8.9 13.3



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





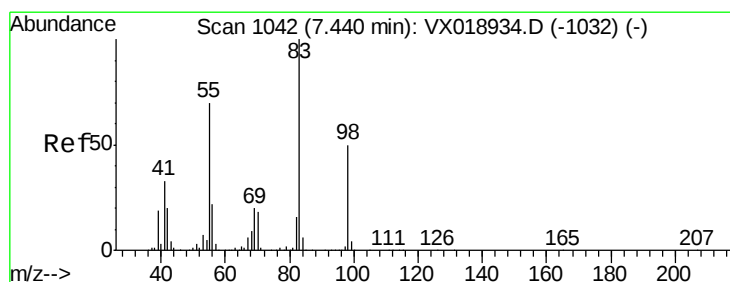
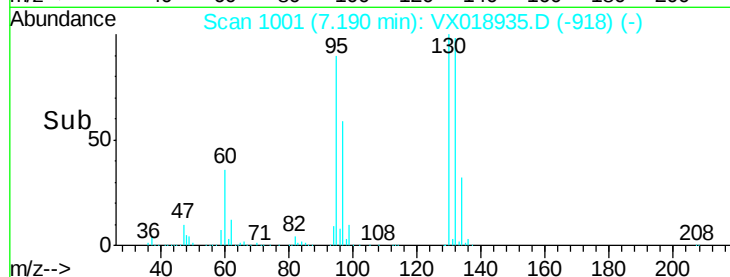
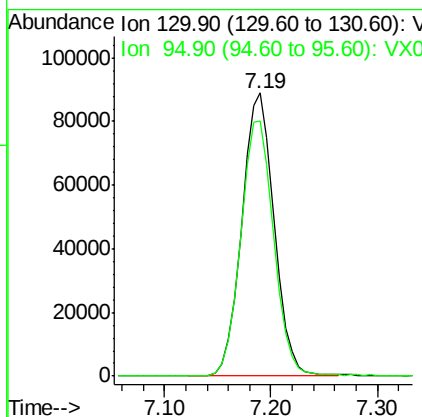
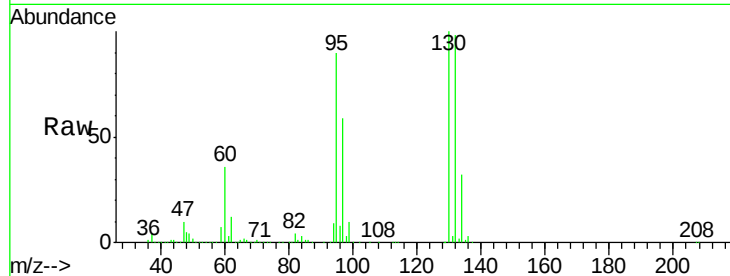
#37
 Trichloroethene
 Concen: 50.867 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 189543
 Ion Ratio Lower Upper
 130 100
 95 89.9 71.8 107.6

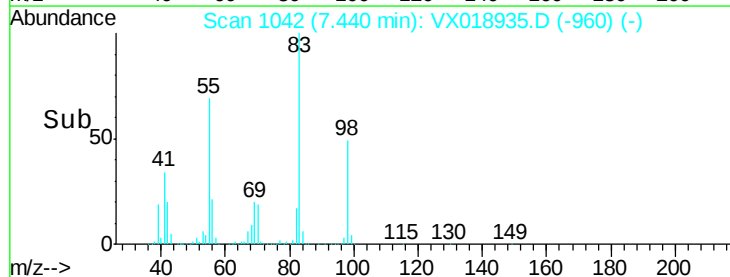
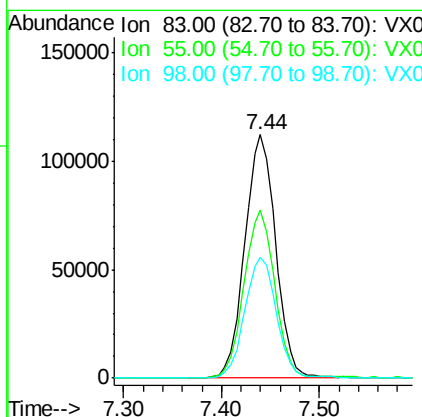
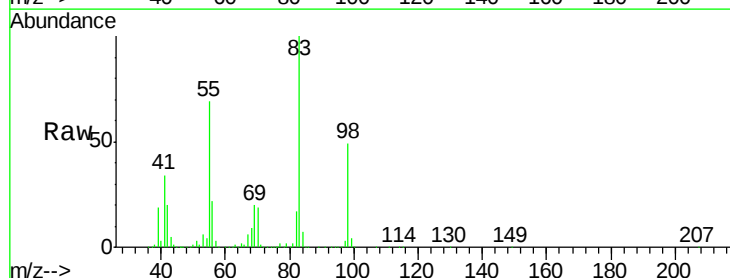
Manual Integrations
 APPROVED

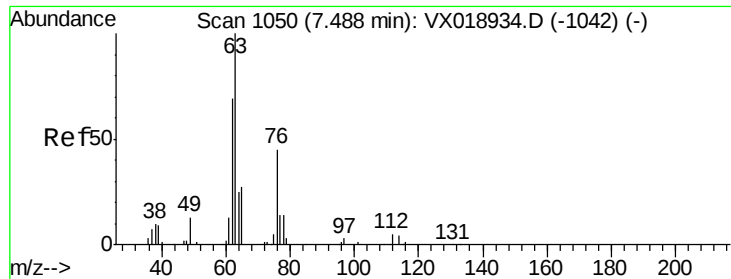
apatel
 10/16/2020 2:11:32 PM



#38
 Methylcyclohexane
 Concen: 50.530 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Tgt Ion: 83 Resp: 245631
 Ion Ratio Lower Upper
 83 100
 55 67.9 34.8 104.4
 98 50.2 25.8 77.4





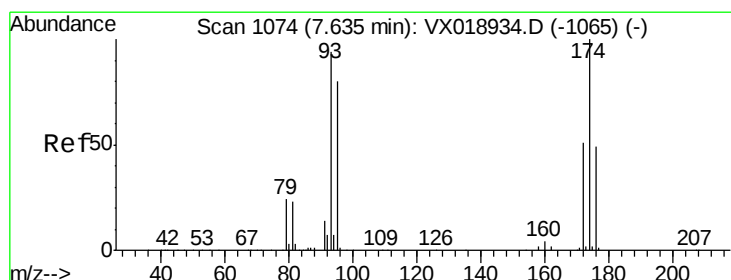
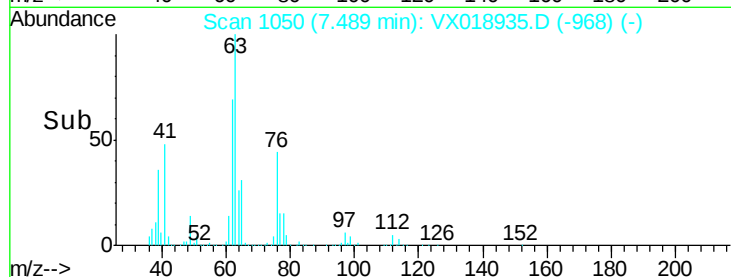
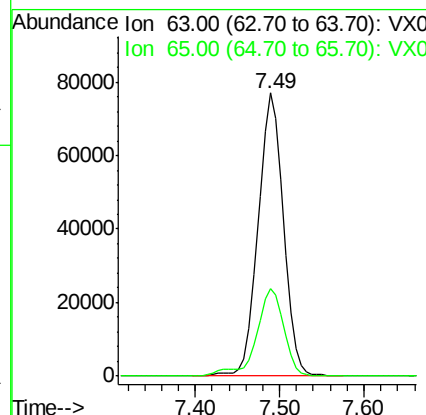
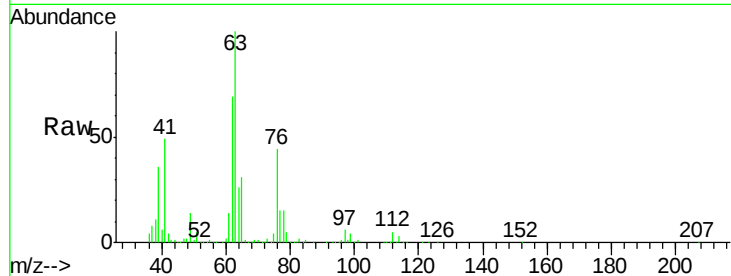
#39
 1,2-Dichloropropane
 Concen: 46.851 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.0	34.6

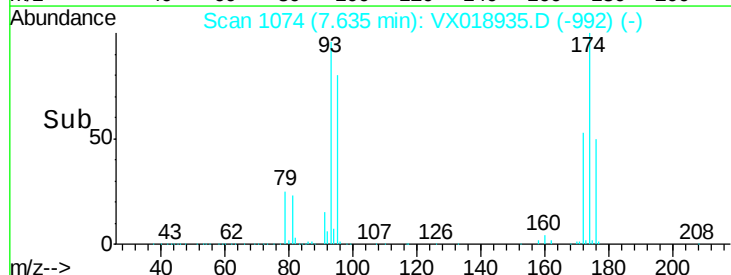
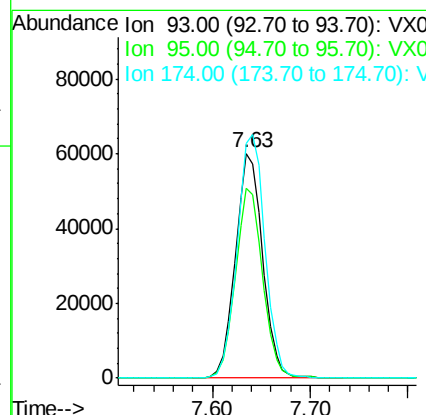
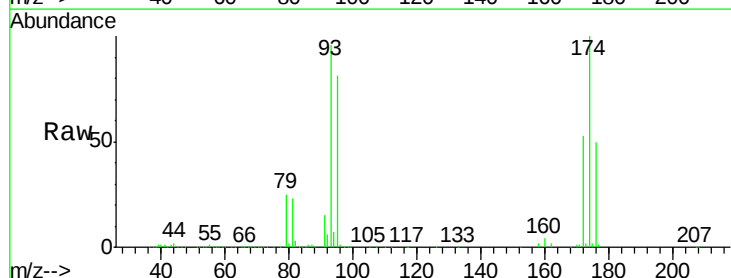
Manual Integrations
 APPROVED

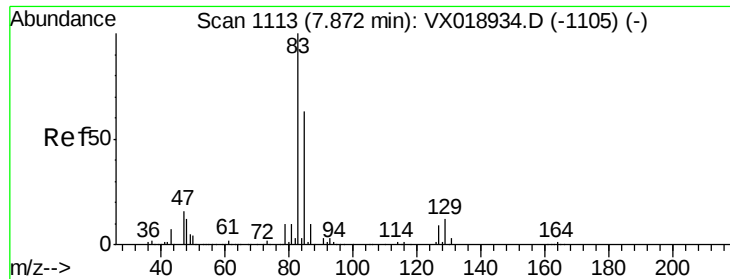
apatel
 10/16/2020 2:11:32 PM



#40
 Dibromomethane
 Concen: 47.568 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	164.0
174	110.6	0.0	214.6





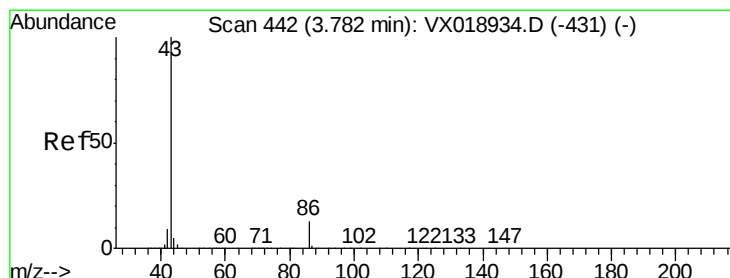
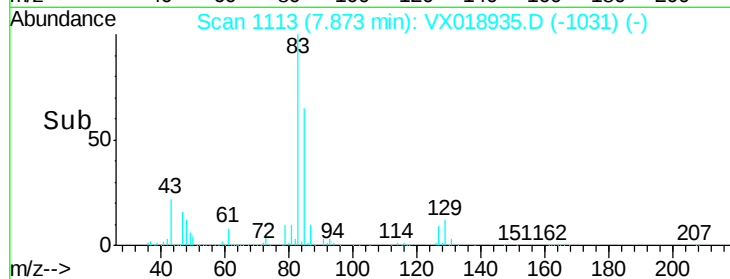
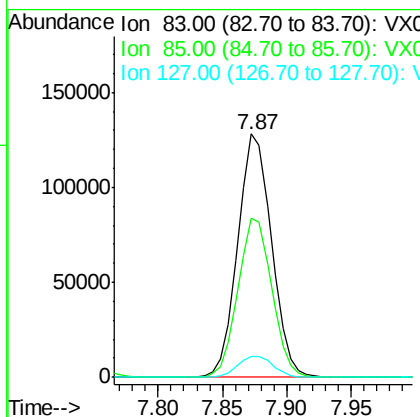
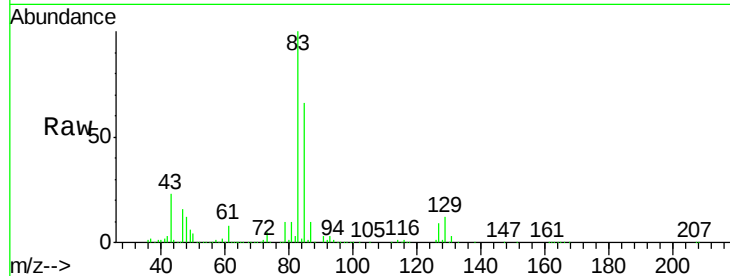
#41
Bromodichloromethane
Concen: 46.001 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.4	75.6
127	8.5	7.5	11.3

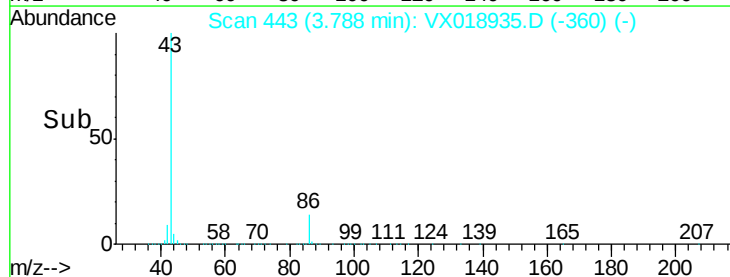
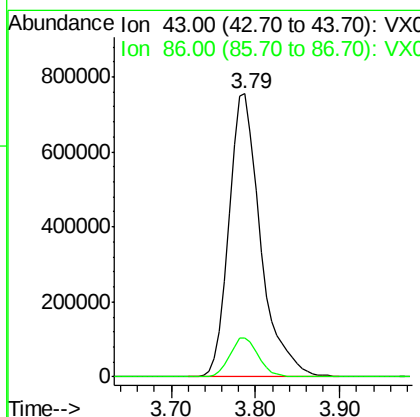
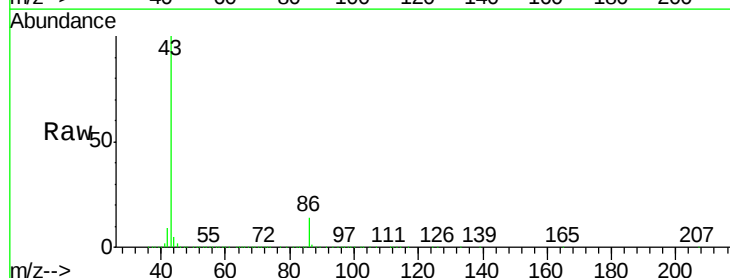
Manual Integrations
APPROVED

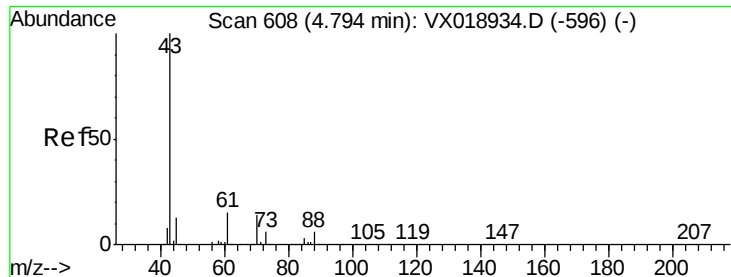
apatel
10/16/2020 2:11:32 PM



#42
Vinyl Acetate
Concen: 216.308 ug/l
RT: 3.79 min Scan# 443
Delta R.T. 0.01 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
86	12.4	9.8	14.8





#43

Ethyl Acetate

Concen: 44.973 ug/l

RT: 4.79 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 214668

Ion Ratio Lower Upper

43 100

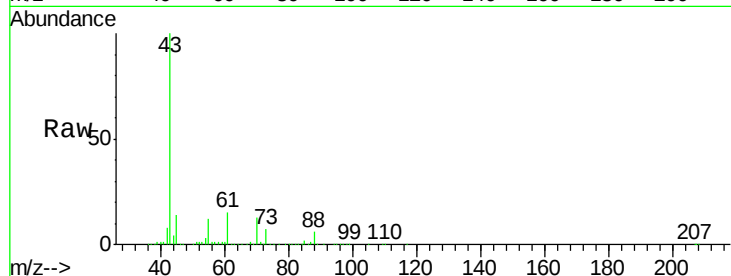
45 15.4 11.5 17.3

Manual Integrations

APPROVED

apatel

10/16/2020 2:11:32 PM

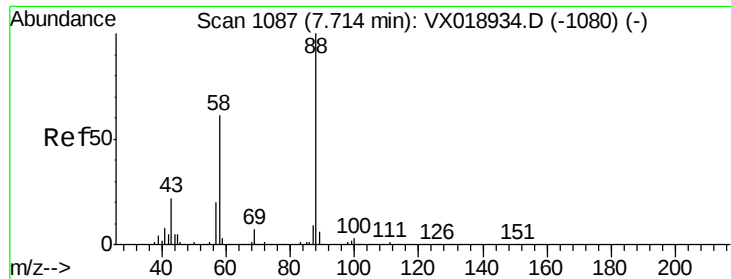


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



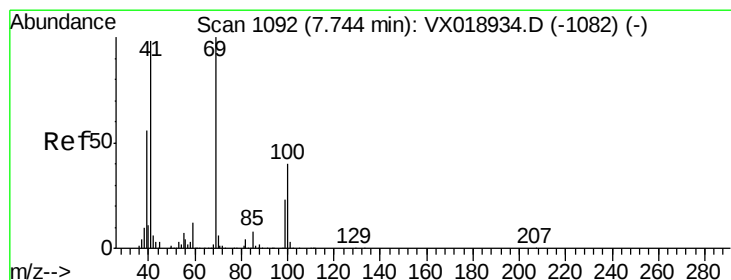
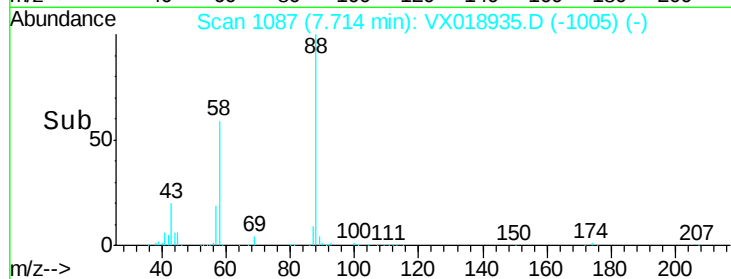
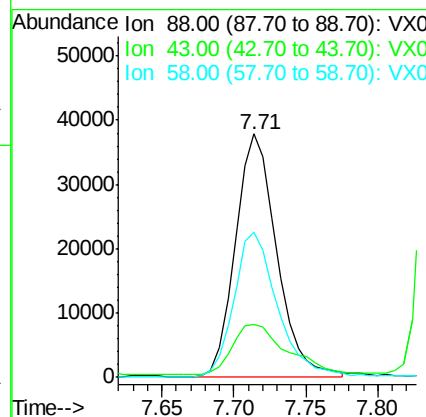
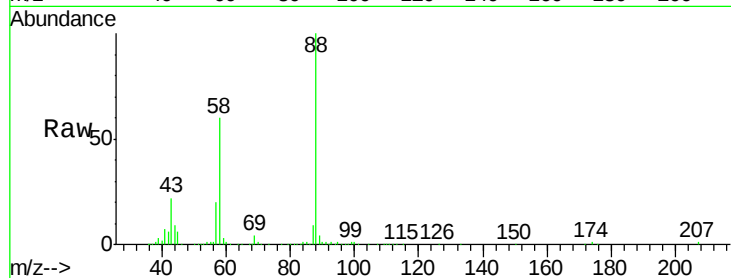
#45
 1,4-Dioxane
 Concen: 1102.539 ug/l
 RT: 7.71 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	22.1	33.1
58	63.2	52.1	78.1

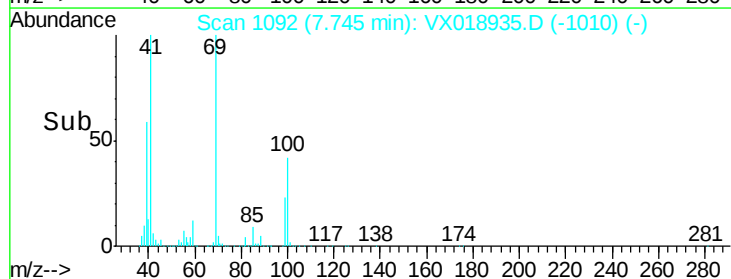
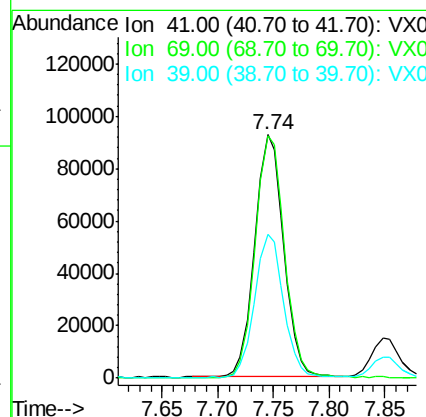
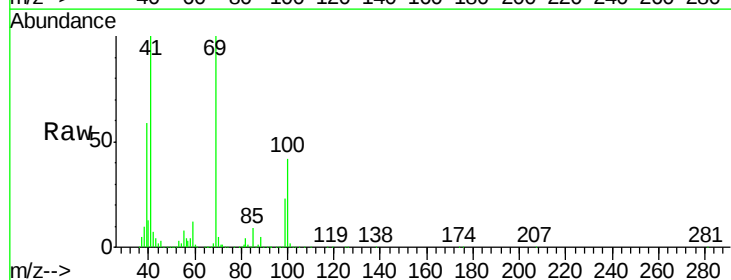
Manual Integrations
 APPROVED

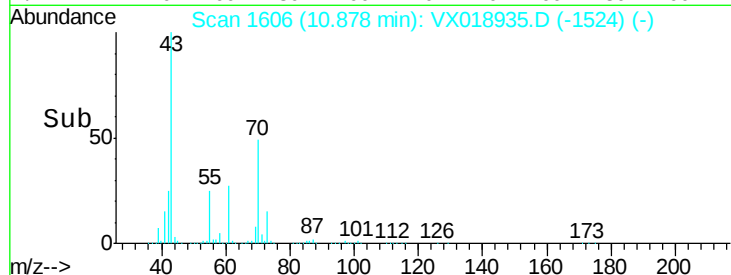
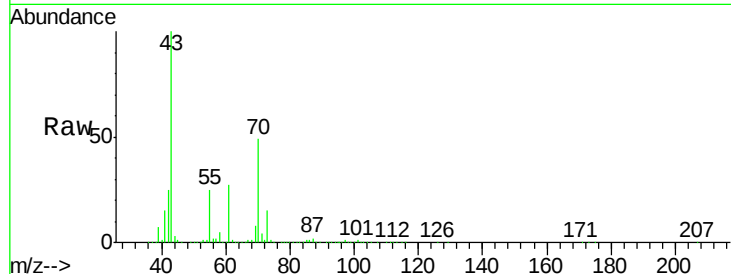
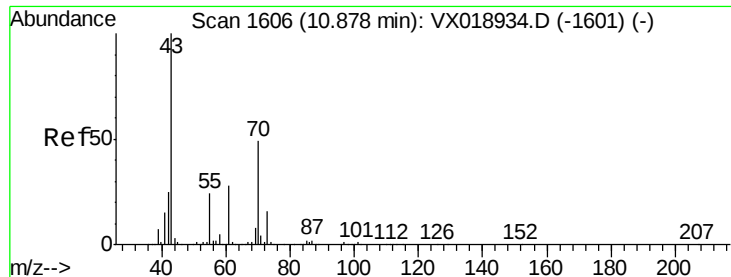
apatel
 10/16/2020 2:11:32 PM



#46
 Methyl methacrylate
 Concen: 44.101 ug/l
 RT: 7.74 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	99.9	50.8	152.5
39	58.7	28.5	85.6





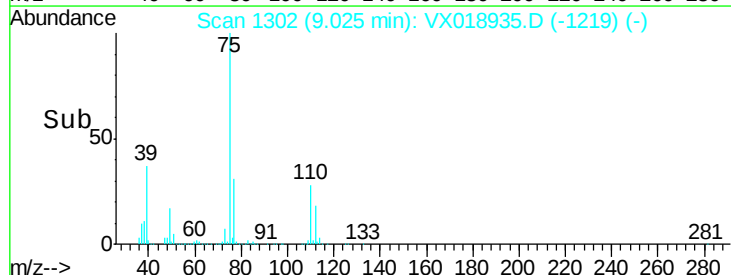
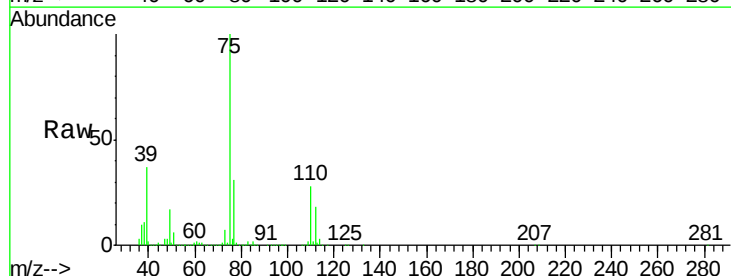
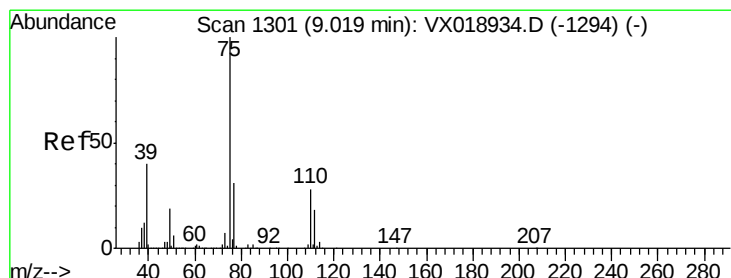
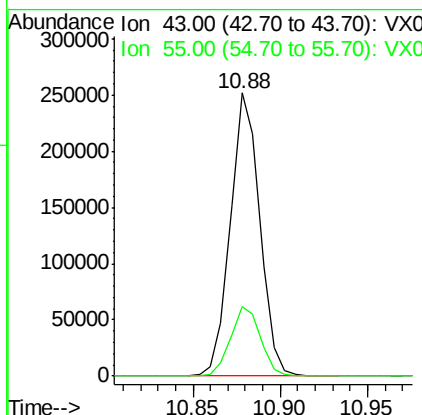
#47
n-amvl Acetate
Concen: 42.671 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tot Ion	43	55	Ratio	100	25.1	Resp	293033	Lower	19.9	Upper	29.9
Ion	43	55	Ratio	100	25.1	Resp	293033	Lower	19.9	Upper	29.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

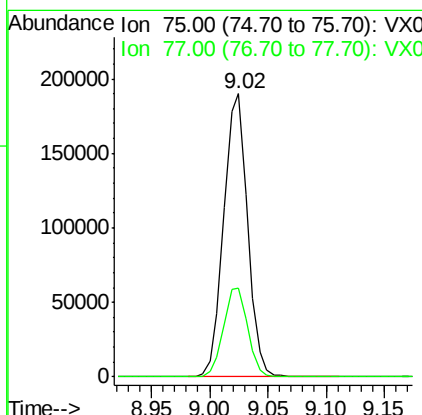
Manual Integrations
APPROVED

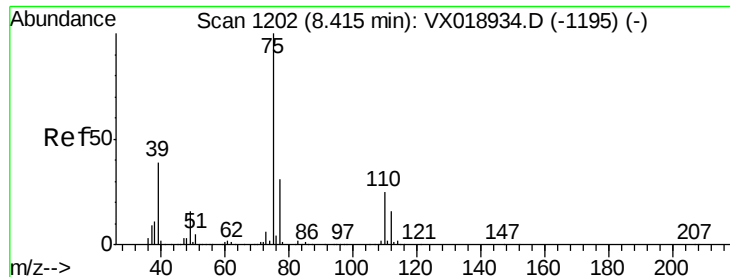
apatel
10/16/2020 2:11:32 PM



#48
t-1,3-Dichloropropene
Concen: 48.955 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	75	77	Ratio	100	31.1	Resp	270008	Lower	24.6	Upper	36.8
Ion	75	77	Ratio	100	31.1	Resp	270008	Lower	24.6	Upper	36.8





#49

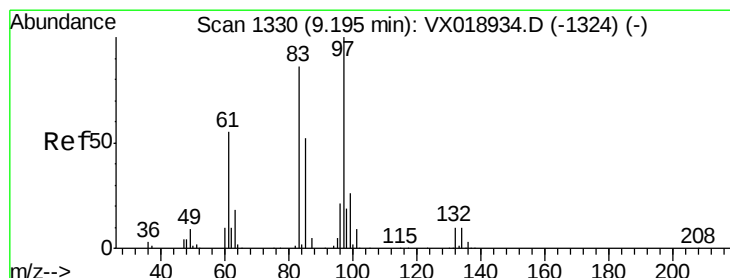
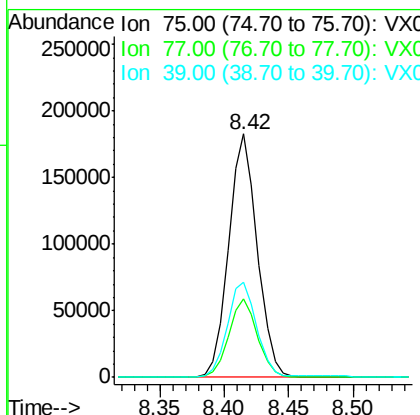
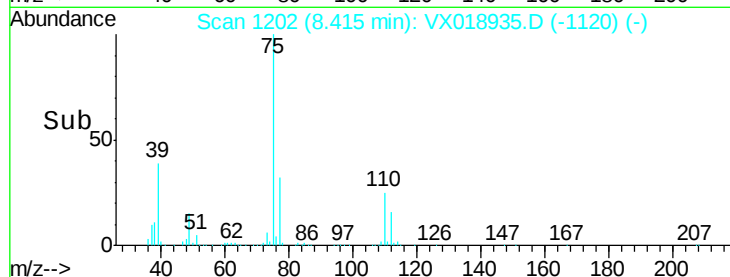
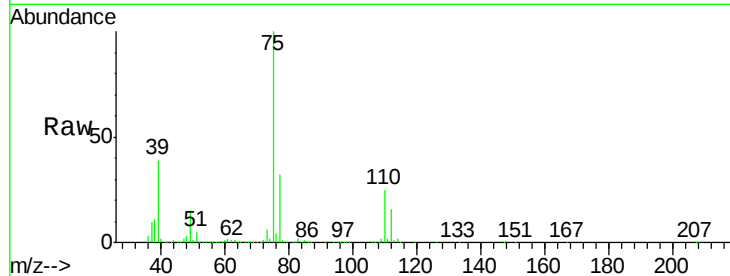
cis-1,3-Dichloropropene
Concen: 49.036 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:	75	Resp:	283767
Ion Ratio	Lower	Upper	
75	100		
77	32.1	25.1	37.7
39	38.9	31.5	47.3

Manual Integrations
APPROVED

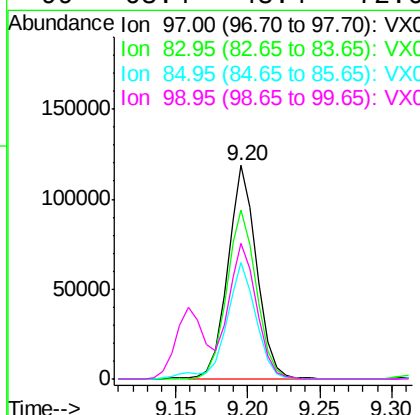
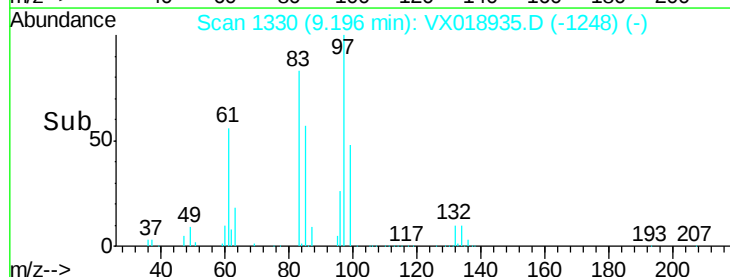
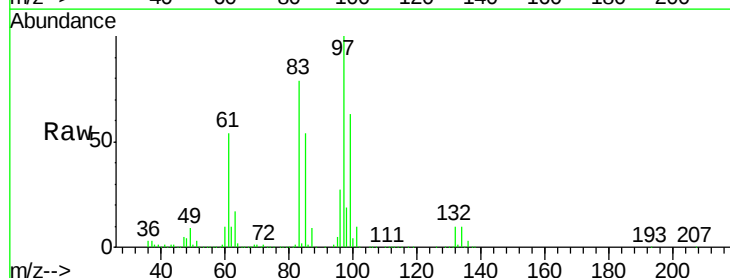
apatel
10/16/2020 2:11:32 PM

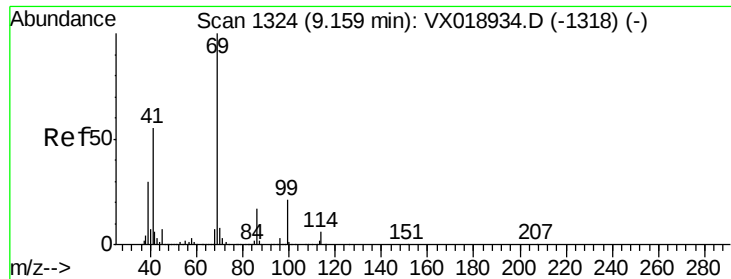


#50

1,1,2-Trichloroethane
Concen: 48.037 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion:	97	Resp:	165191
Ion Ratio	Lower	Upper	
97	100		
83	79.2	68.0	102.0
85	54.4	43.8	65.8
99	63.4	48.4	72.6





#51

Ethyl methacrylate

Concen: 51.605 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

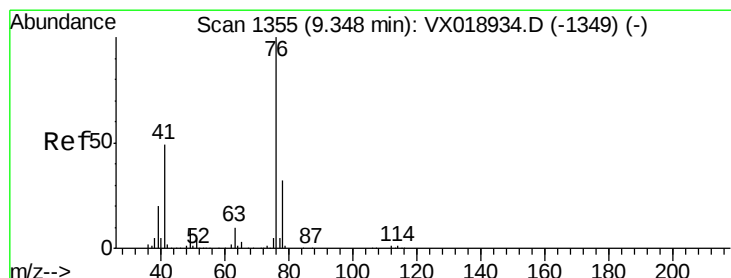
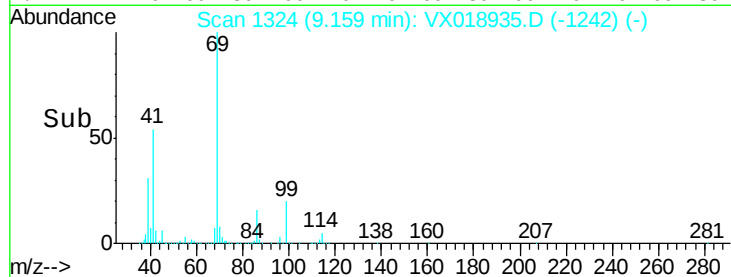
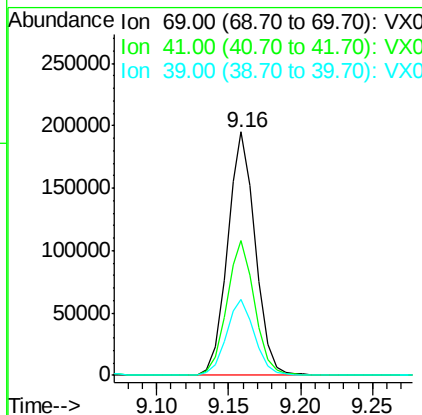
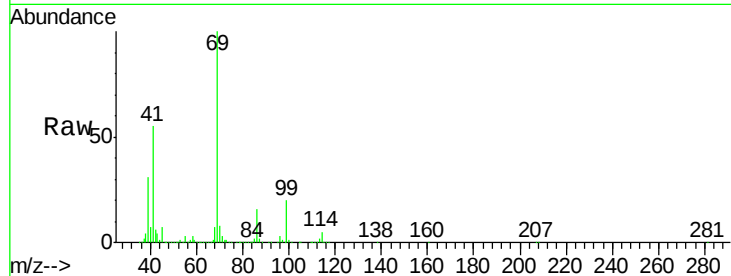
ClientSampled :

VSTDIC050

Tot Ion:	69	Resp:	262623
Ion Ratio	Lower	Upper	
69	100		
41	55.2	27.6	82.8
39	30.8	15.0	45.0

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM



#52

1,3-Dichloropropane

Concen: 48.169 ug/l

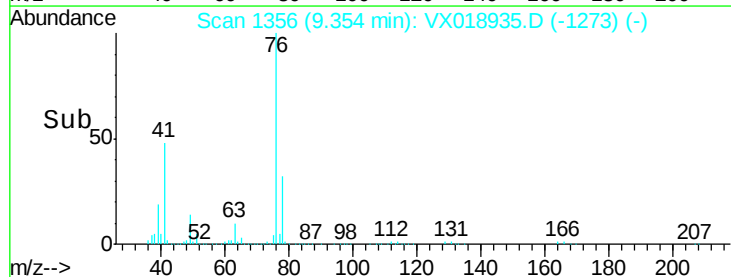
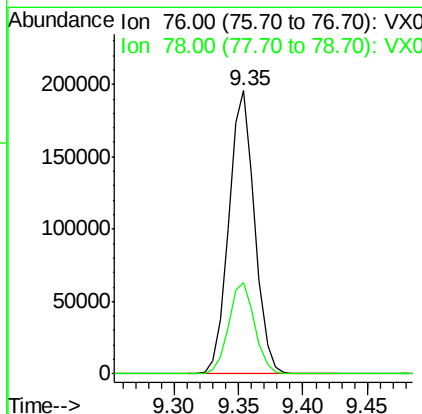
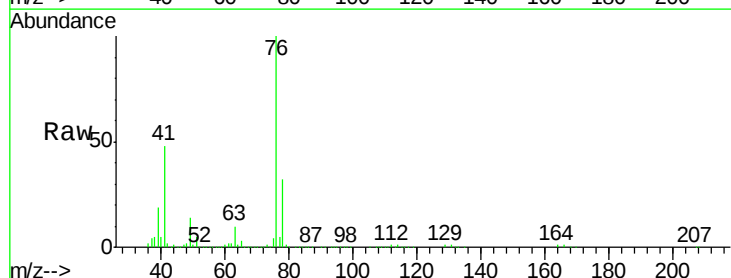
RT: 9.35 min Scan# 1356

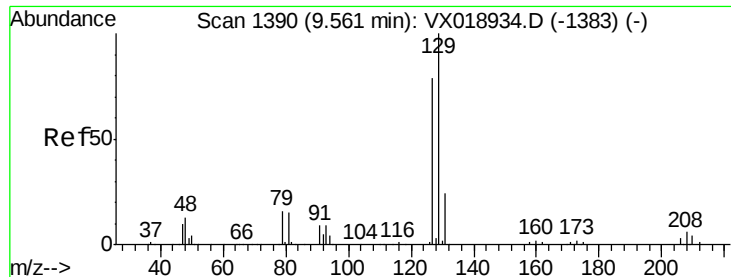
Delta R.T. 0.01 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Tgt Ion:	76	Resp:	274672
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	65.2





#53

Dibromochloromethane

Concen: 46.542 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 199147

Ion Ratio Lower Upper

129 100

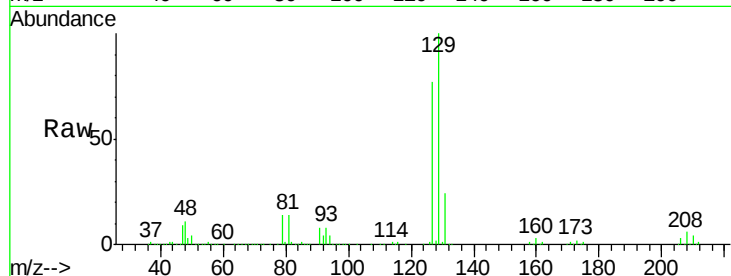
127 76.3 38.7 116.1

Manual Integrations

APPROVED

apatel

10/16/2020 2:11:32 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.57

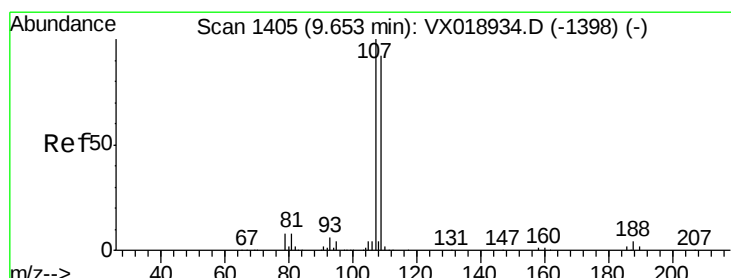
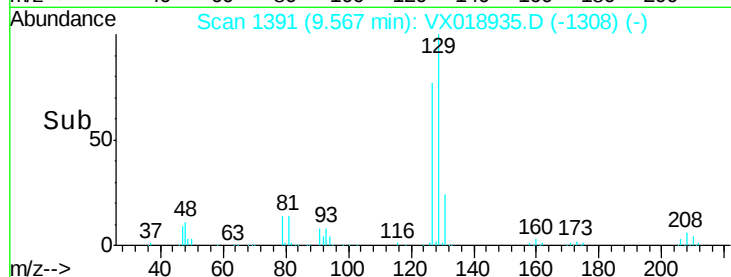
150000

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 48.593 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018935.D

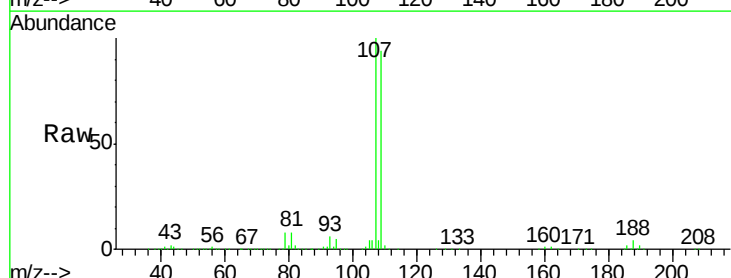
Acq: 15 Oct 2020 14:25

Tgt Ion:107 Resp: 184088

Ion Ratio Lower Upper

107 100

109 92.6 75.1 112.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.65

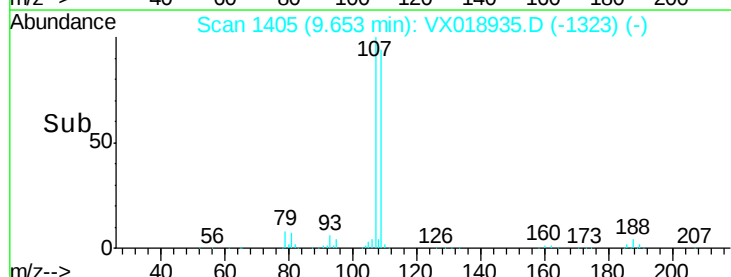
150000

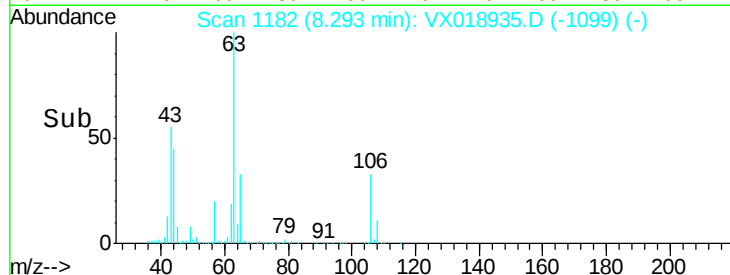
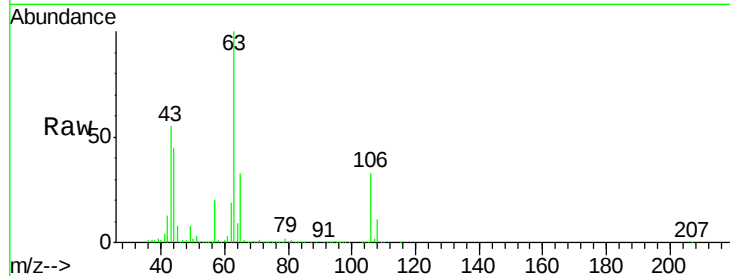
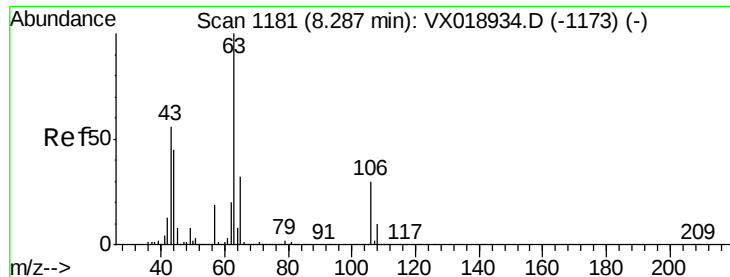
100000

50000

0

Time-->





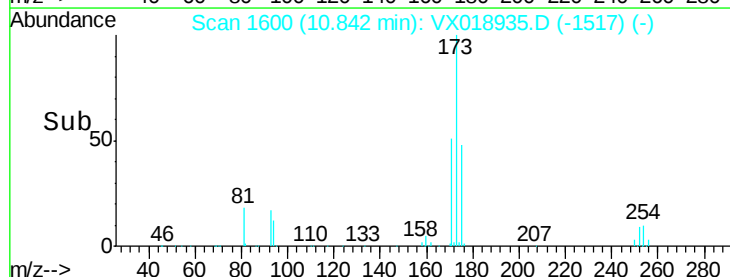
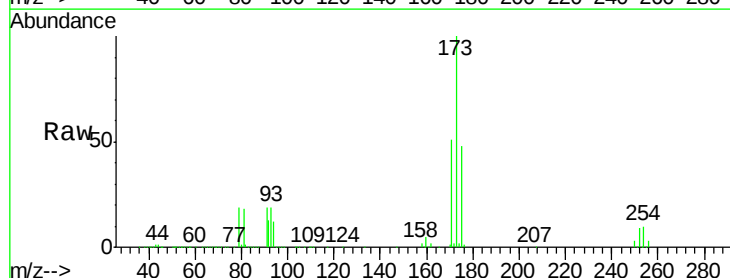
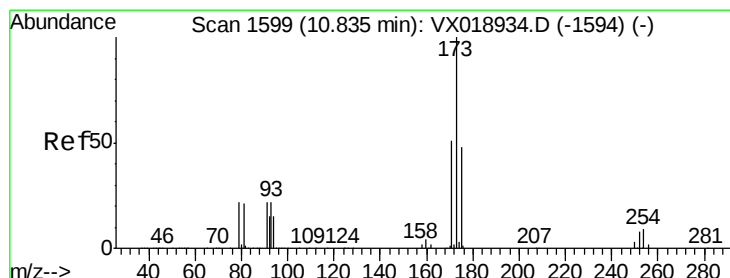
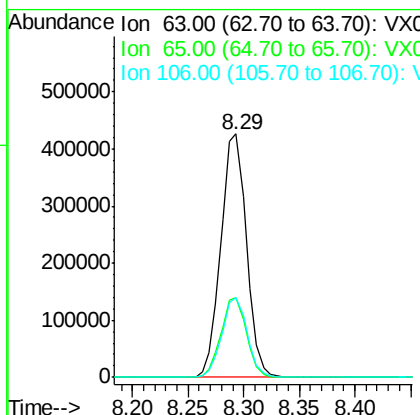
#55
2-Chloroethyl vinyl ether
Concen: 257.180 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.8	38.6
106	32.4	25.3	37.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

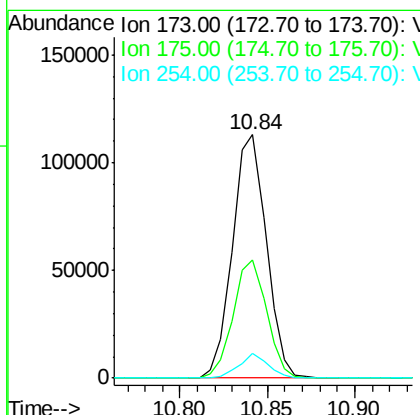
Manual Integrations
APPROVED

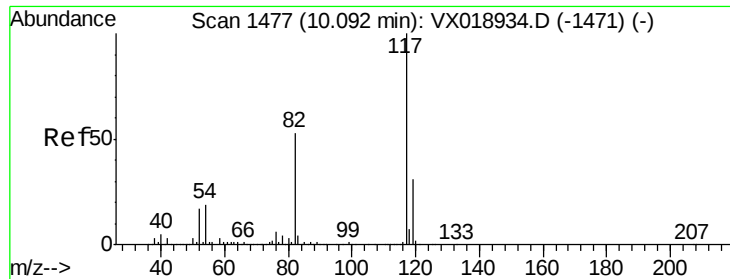
apatel
10/16/2020 2:11:32 PM



#56
Bromoform
Concen: 46.821 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	39.2	58.8
254	8.8	7.5	11.3





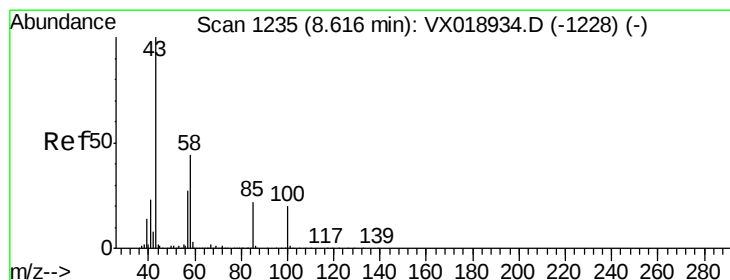
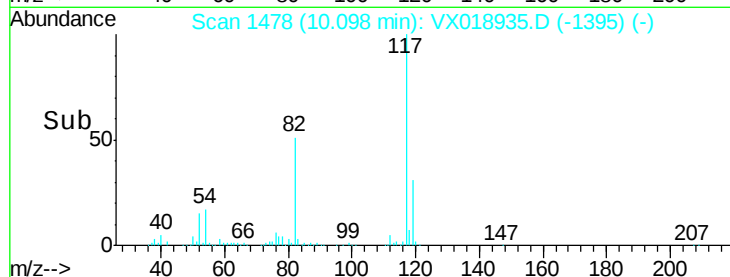
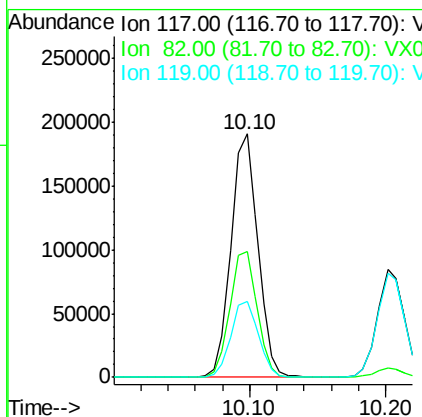
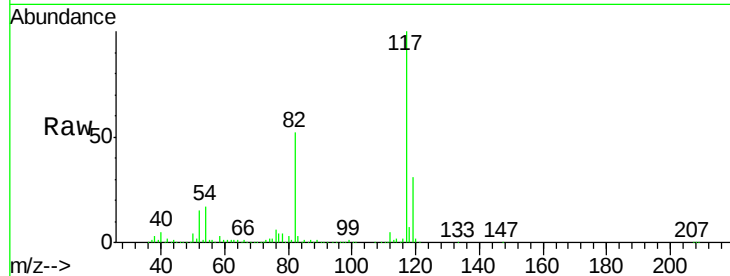
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.6	62.4
119	32.1	25.7	38.5

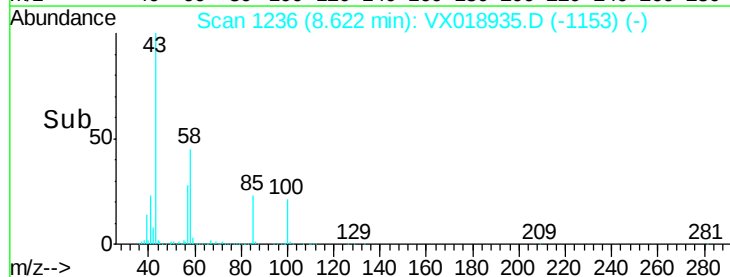
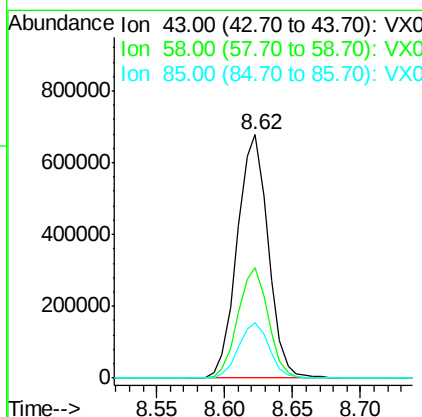
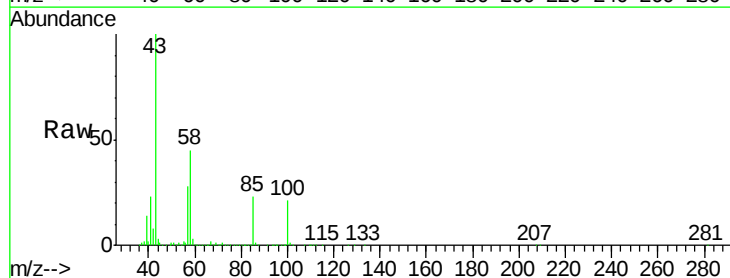
Manual Integrations
APPROVED

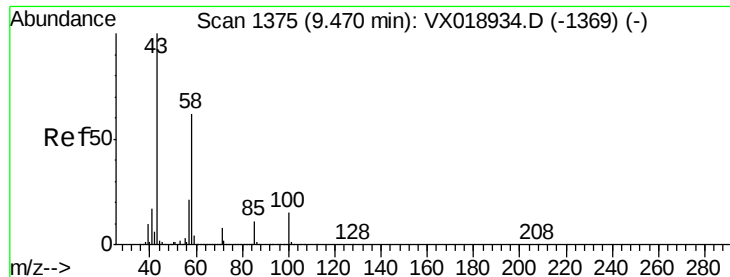
apatel
10/16/2020 2:11:32 PM



#58
4-Methyl-2-Pentanone
Concen: 244.887 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.6	35.4	53.2
85	22.4	18.0	27.0





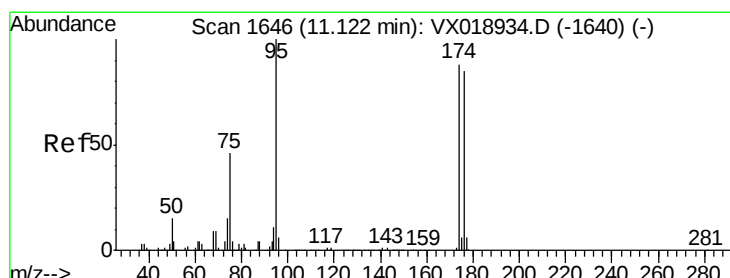
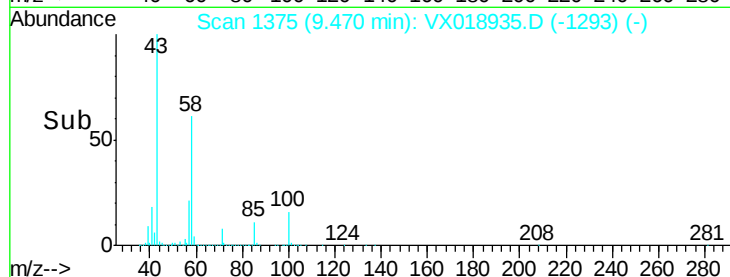
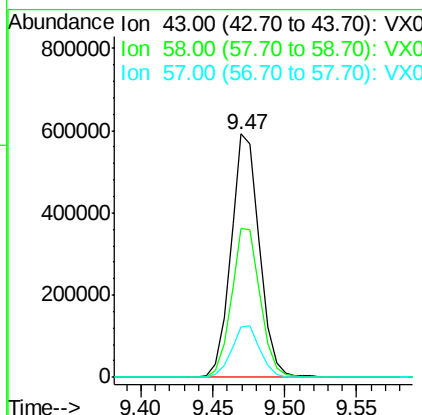
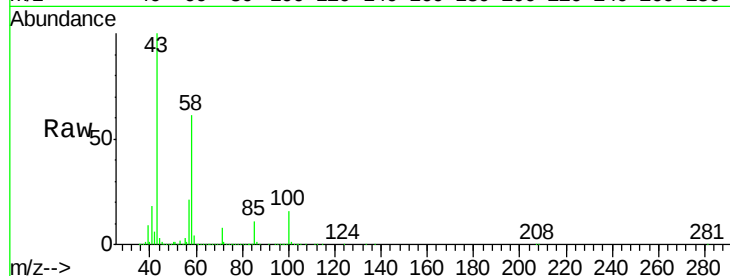
#59
2-Hexanone
Concen: 243.128 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	62.1	49.7	74.5
57	21.3	16.9	25.3

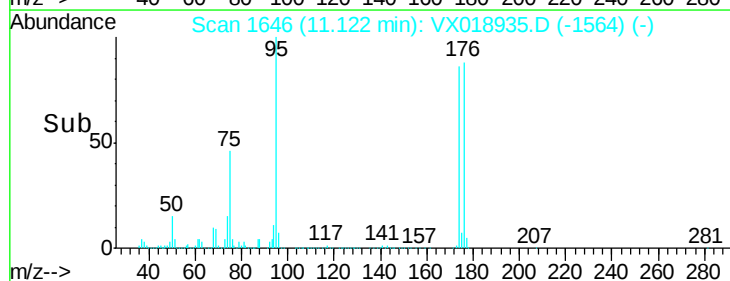
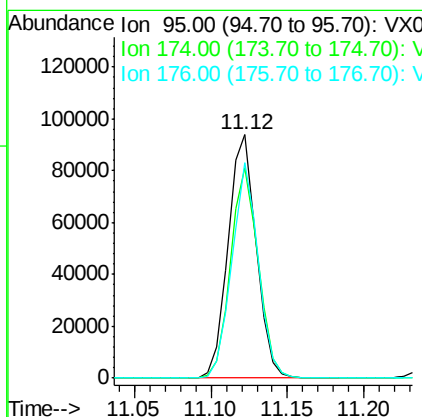
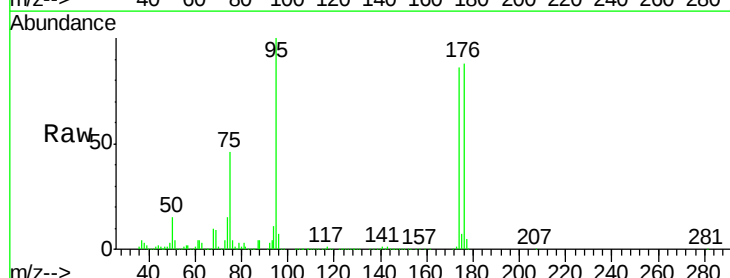
Manual Integrations
APPROVED

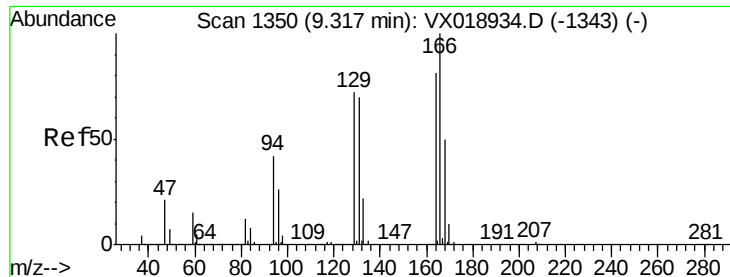
apatel
10/16/2020 2:11:32 PM



#60
4-Bromofluorobenzene
Concen: 26.905 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.2	67.0	100.4
176	83.1	64.5	96.7





#61

Tetrachloroethene

Concen: 51.511 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

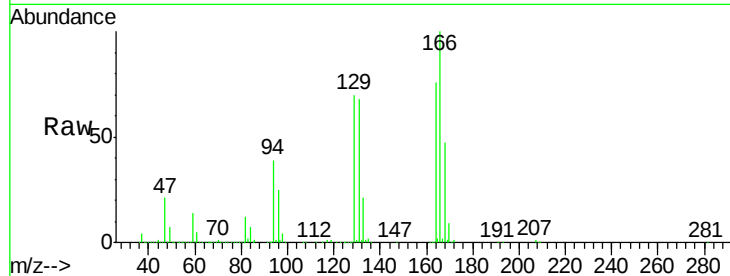
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.6	99.4	149.0
129	91.9	71.8	107.6
131	89.1	69.8	104.6

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM

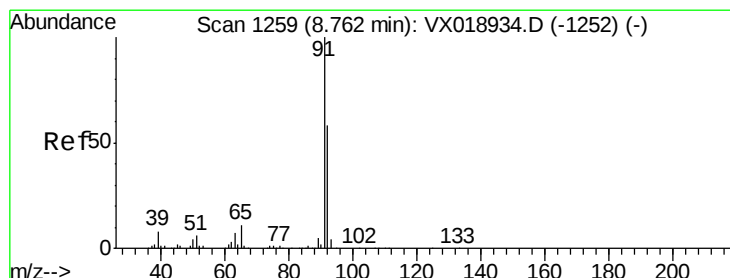
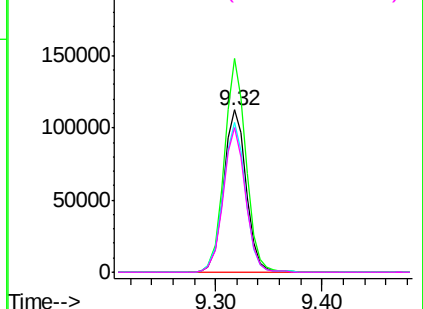
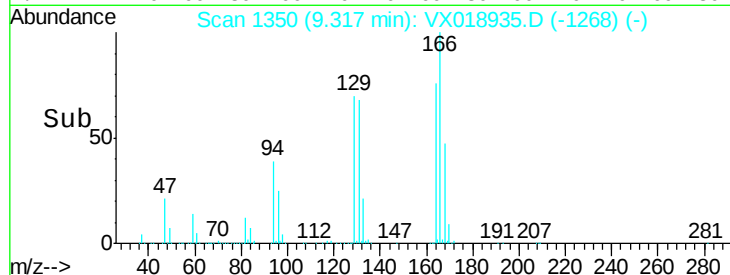


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 53.963 ug/l

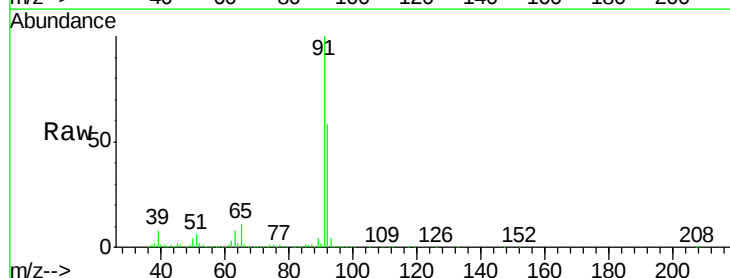
RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018935.D

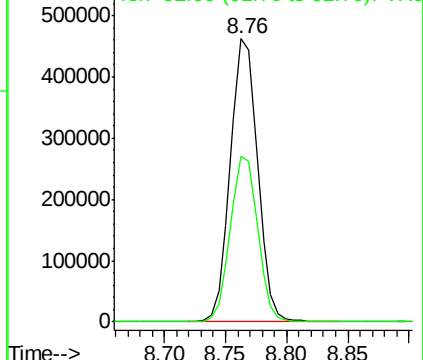
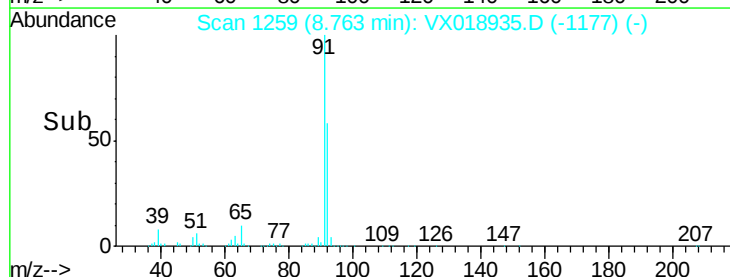
Acq: 15 Oct 2020 14:25

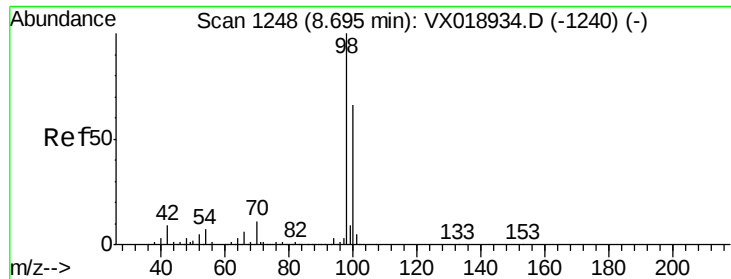
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.1	70.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





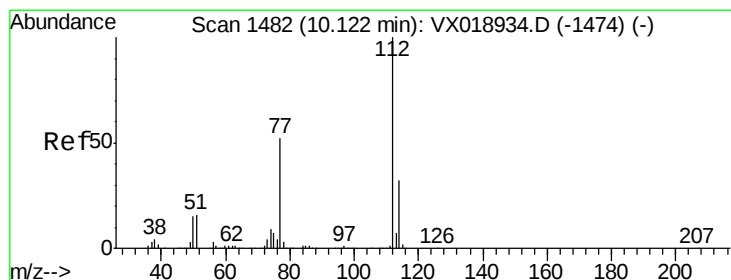
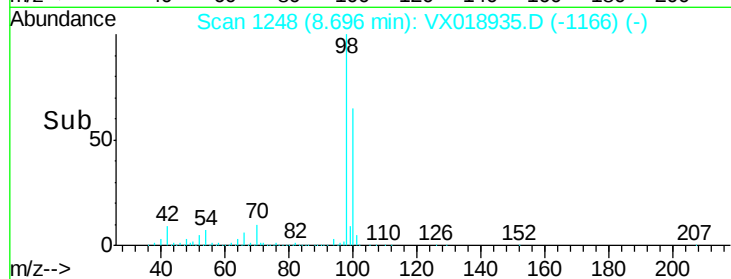
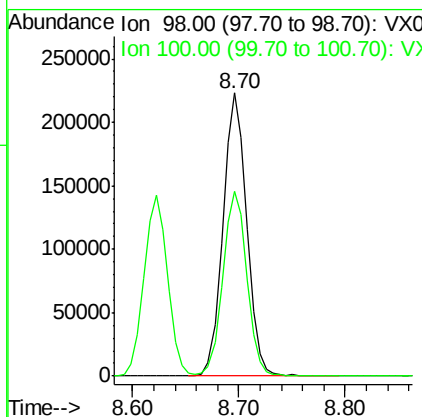
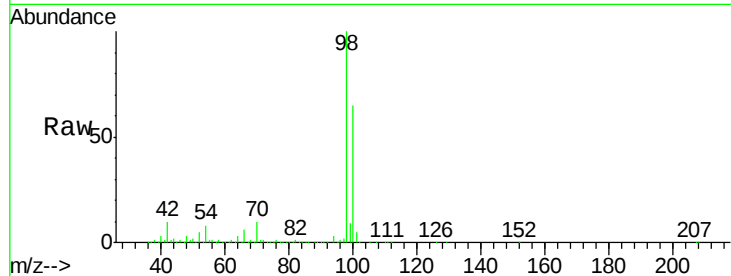
#63
Toluene-d8
Concen: 30.321 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 346097
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8

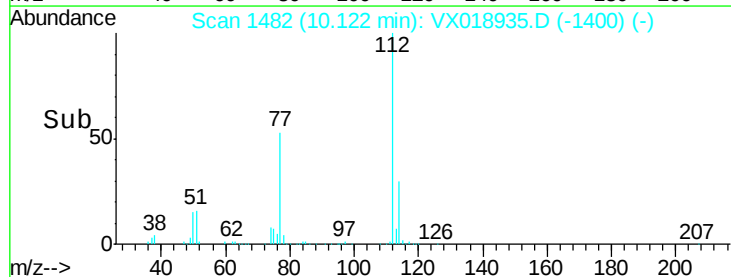
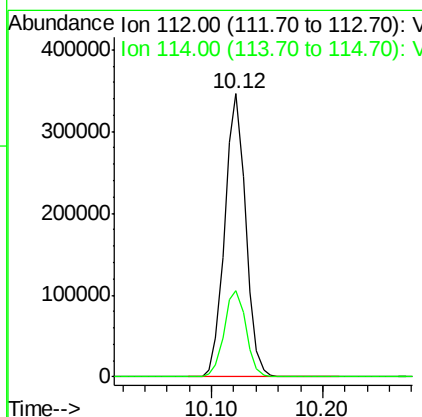
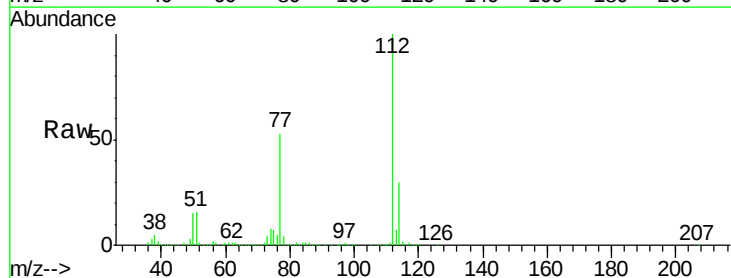
Manual Integrations
APPROVED

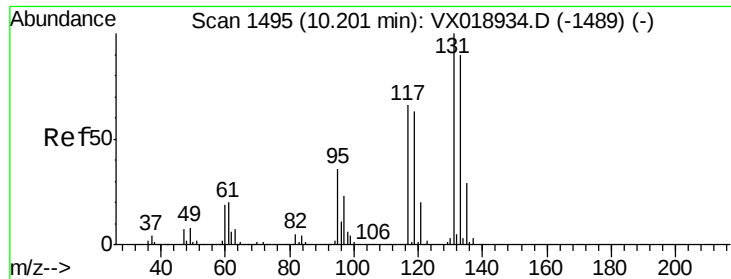
apatel
10/16/2020 2:11:32 PM



#64
Chlorobenzene
Concen: 52.964 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion: 112 Resp: 450805
Ion Ratio Lower Upper
112 100
114 30.5 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 51.182 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

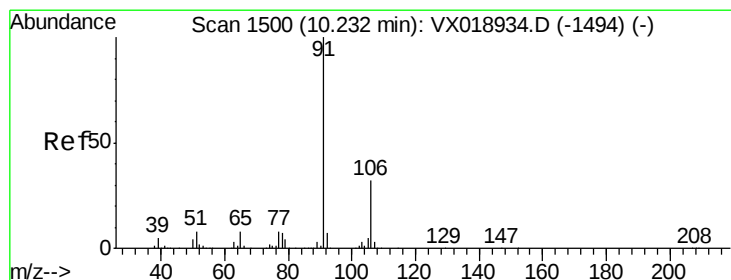
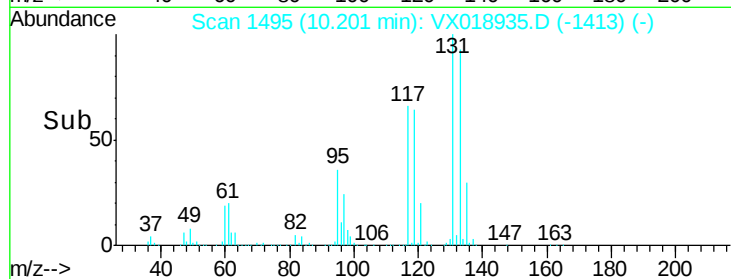
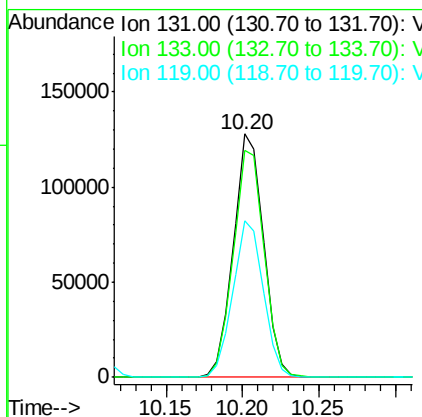
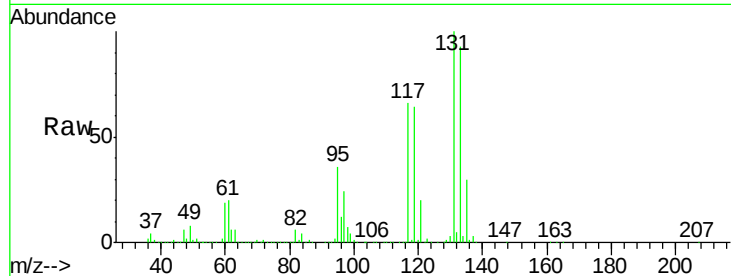
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	175369
Ion Ratio		Lower	Upper
131	100		
133	95.2	0.0	188.8
119	64.5	0.0	127.2

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM



#66

Ethyl Benzene

Concen: 53.130 ug/l

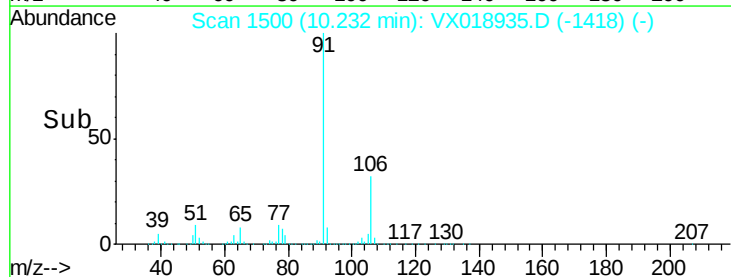
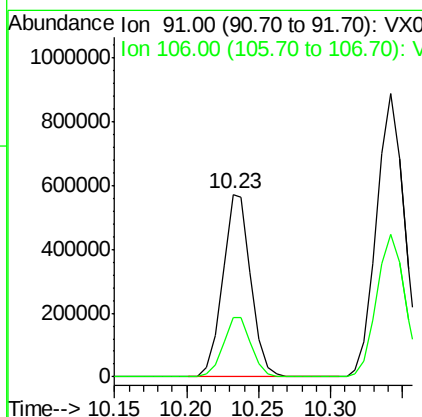
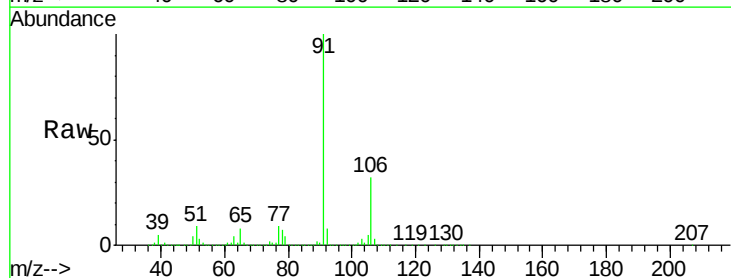
RT: 10.23 min Scan# 1500

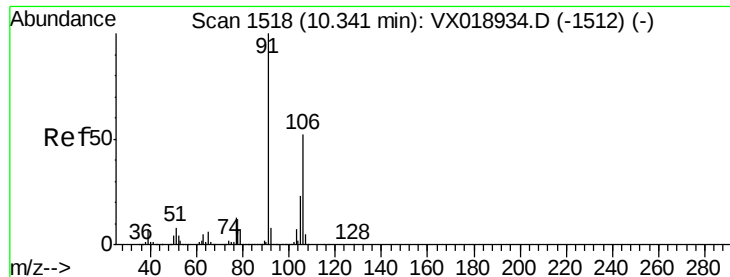
Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Tgt Ion:	91	Resp:	783156
Ion Ratio		Lower	Upper
91	100		
106	32.4	25.3	37.9





#67

m/p-Xylenes

Concen: 107.544 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 606726

Ion Ratio Lower Upper

106 100

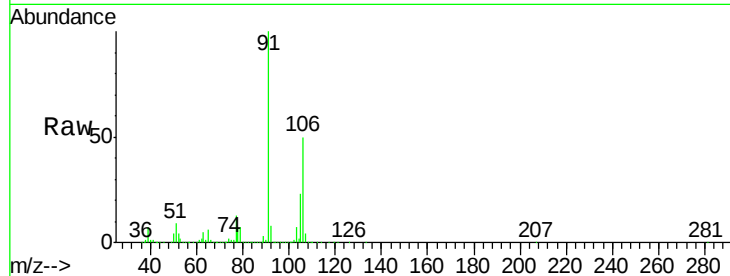
91 195.6 155.7 233.5

Manual Integrations

APPROVED

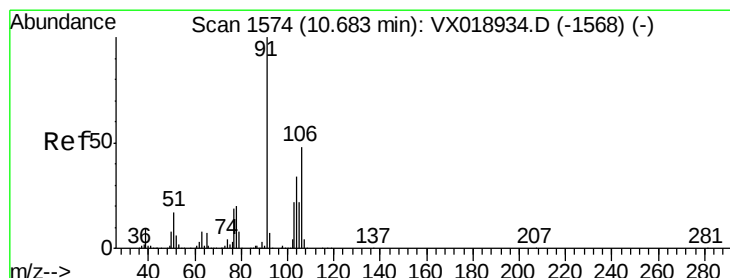
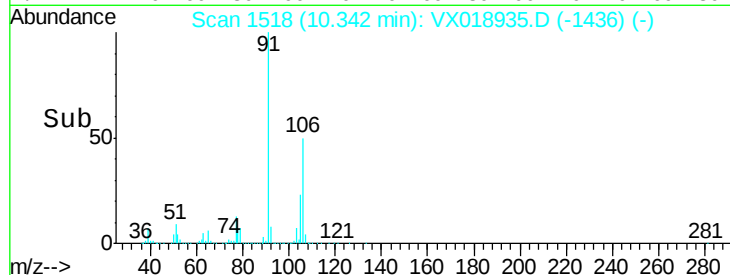
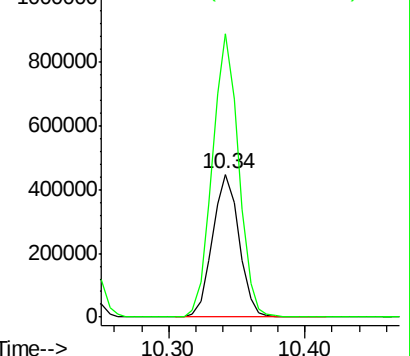
apatel

10/16/2020 2:11:32 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 53.676 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018935.D

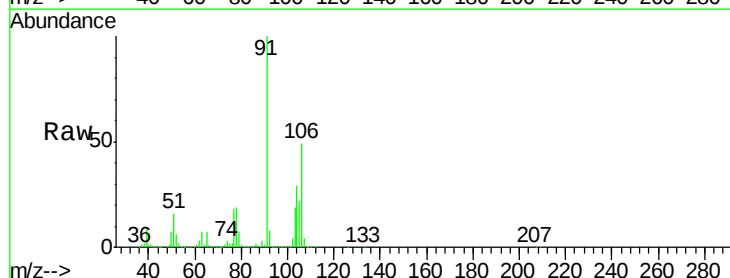
Acq: 15 Oct 2020 14:25

Tgt Ion:106 Resp: 287985

Ion Ratio Lower Upper

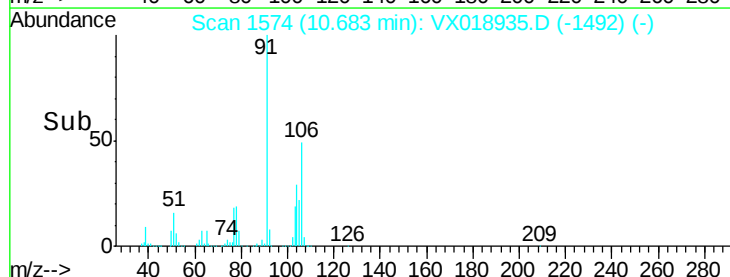
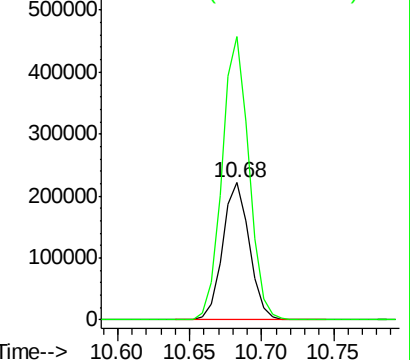
106 100

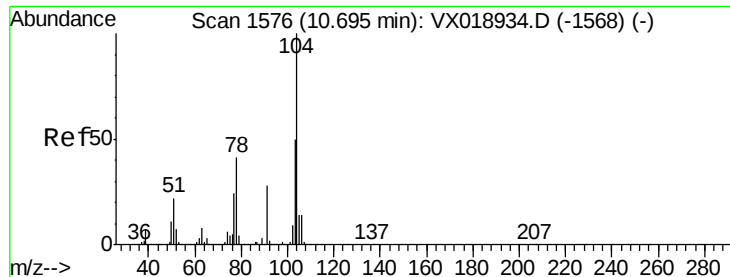
91 206.5 103.3 309.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





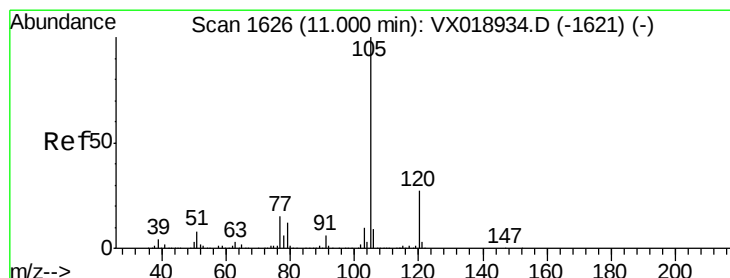
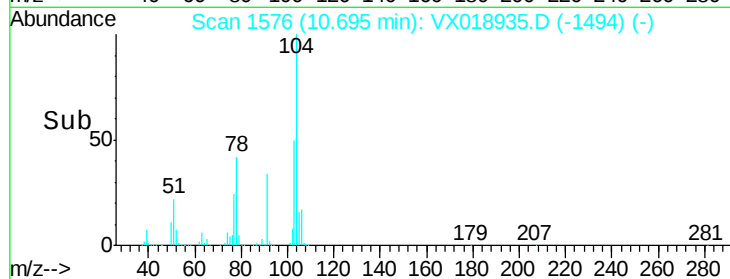
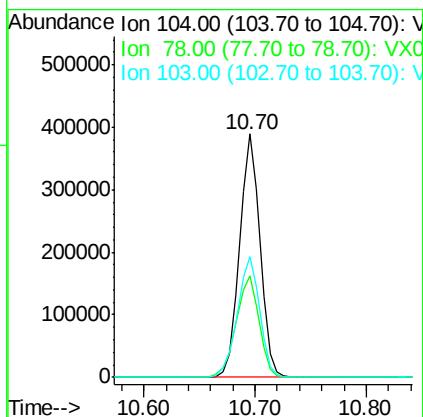
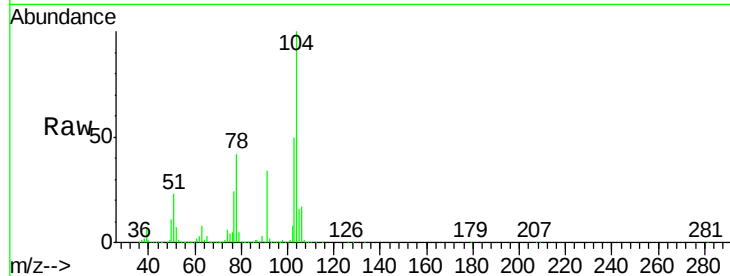
#69
Stvrene
Concen: 53.220 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.8	56.6
103	54.2	44.1	66.1

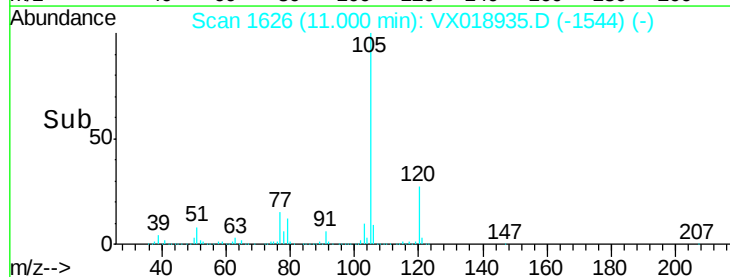
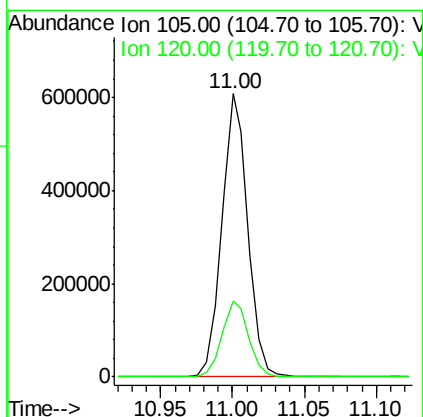
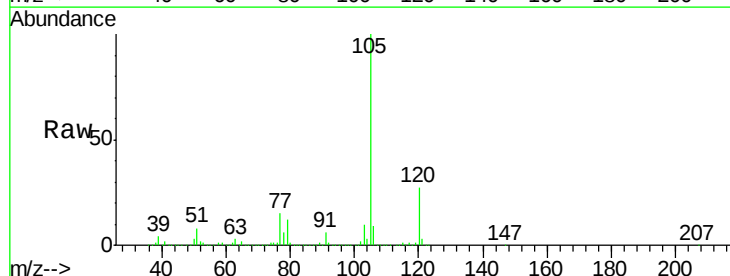
Manual Integrations
APPROVED

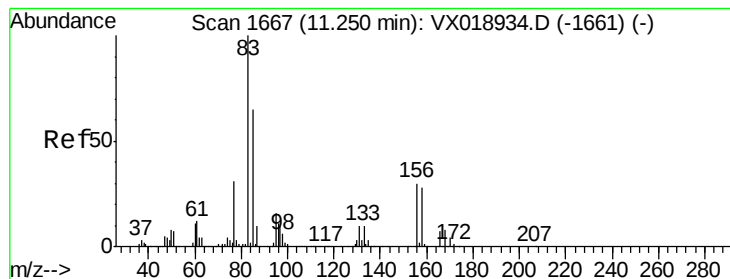
apatel
10/16/2020 2:11:32 PM



#70
Isopropylbenzene
Concen: 51.745 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.4	36.0





#71

1,1,2,2-Tetrachloroethane

Concen: 50.194 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 237567

Ion Ratio Lower Upper

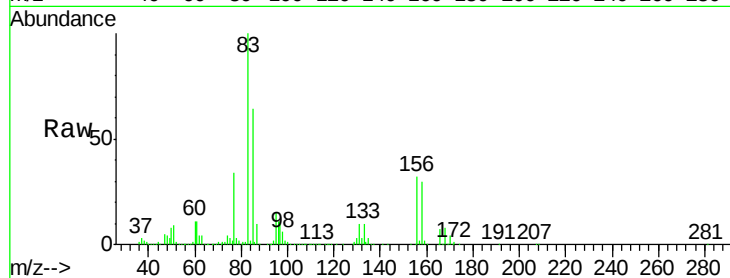
83 100

131 10.8 5.3 16.1

85 64.7 32.3 96.8

Manual Integrations
APPROVED

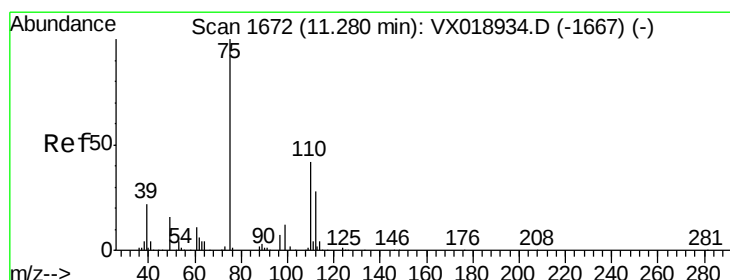
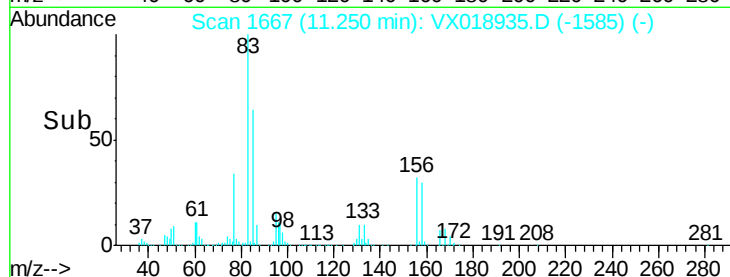
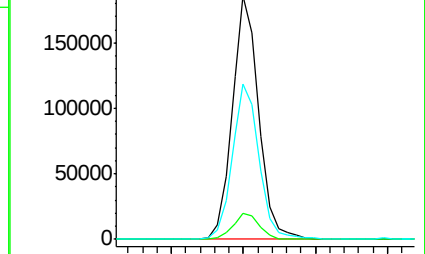
apatel
10/16/2020 2:11:32 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 49.451 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018935.D

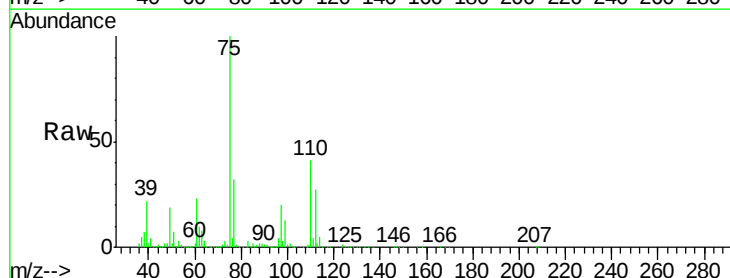
Acq: 15 Oct 2020 14:25

Tgt Ion: 75 Resp: 224318

Ion Ratio Lower Upper

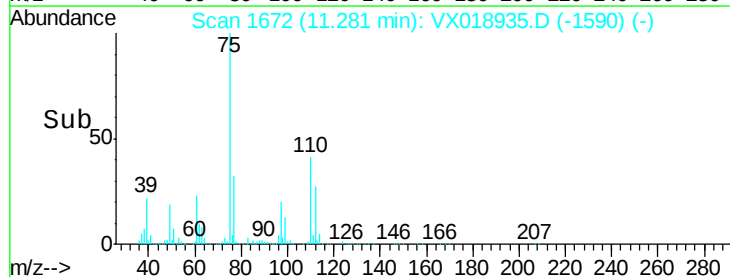
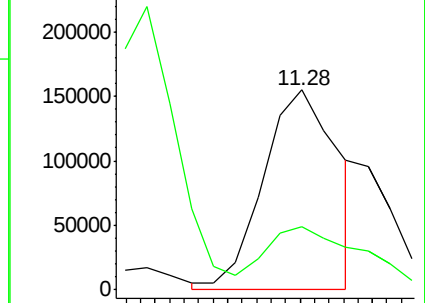
75 100

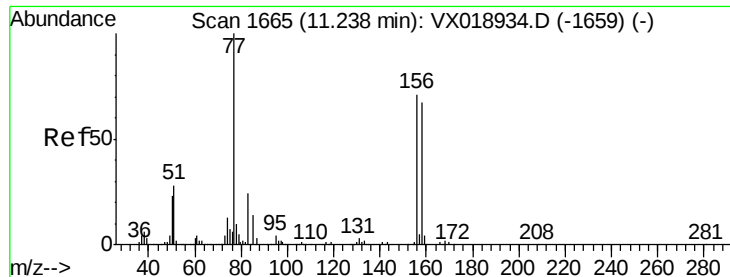
77 38.7 0.0 75.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 49.597 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

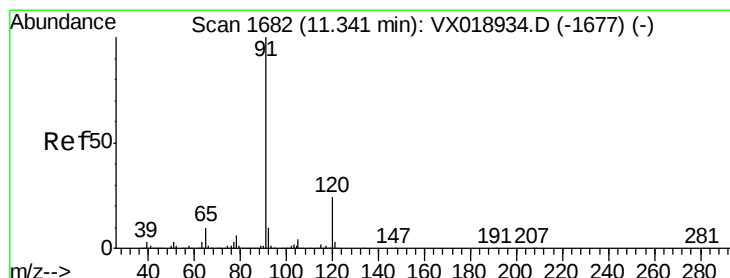
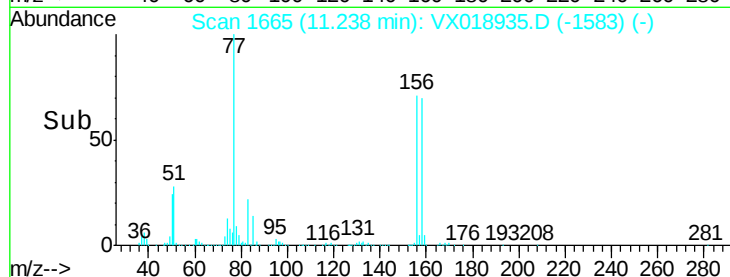
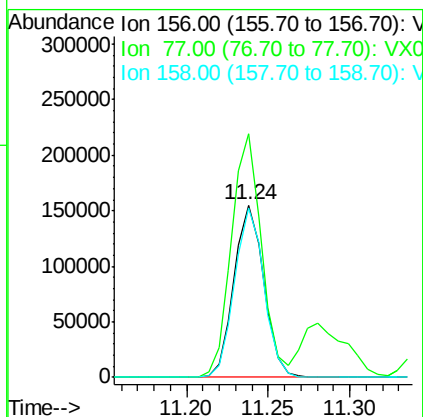
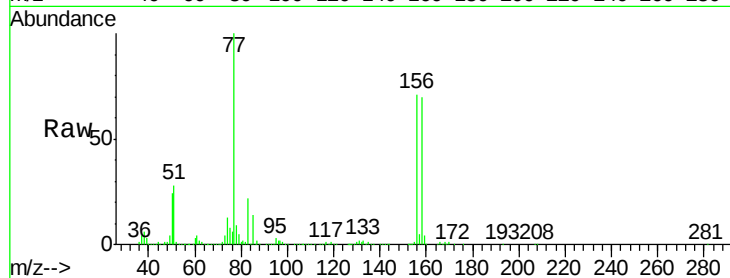
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	197860
Ion Ratio	Lower	Upper	
156	100		
77	142.2	0.0	288.2
158	97.0	0.0	189.2

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM



#74

n-propylbenzene

Concen: 50.543 ug/l

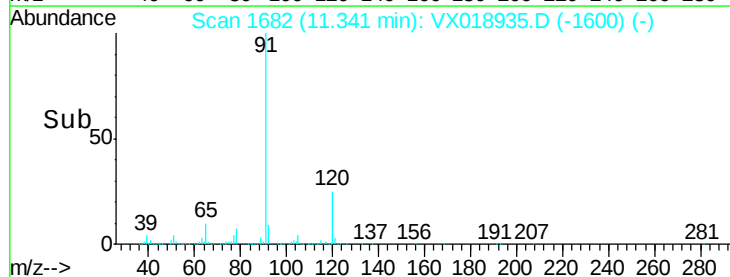
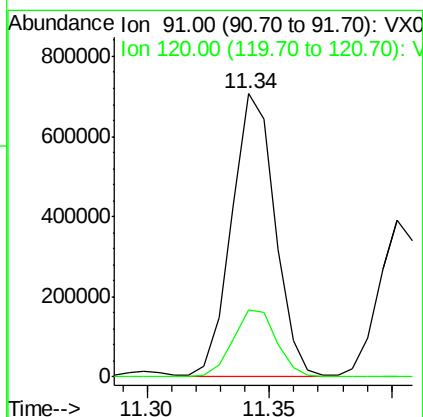
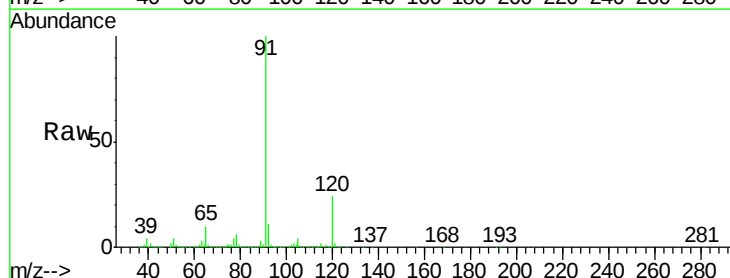
RT: 11.34 min Scan# 1682

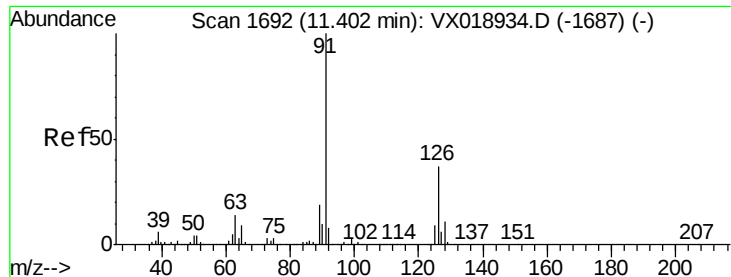
Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Tgt Ion:	91	Resp:	873312
Ion Ratio	Lower	Upper	
91	100		
120	24.0	0.0	48.4





#75

2-Chlorotoluene

Concen: 48.302 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 500609

Ion Ratio Lower Upper

91 100

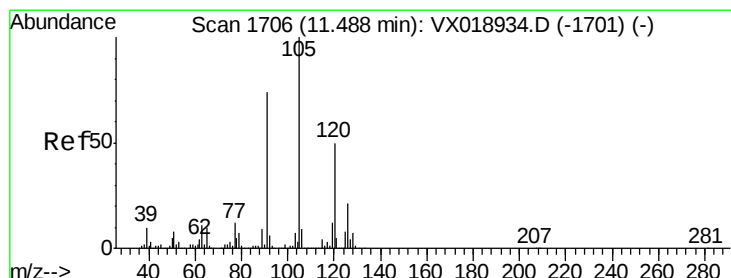
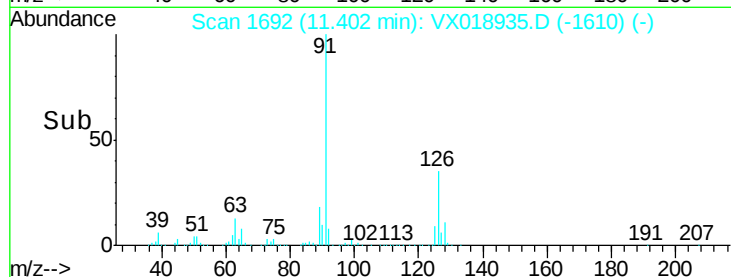
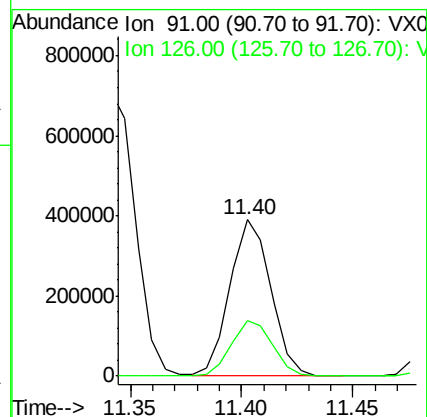
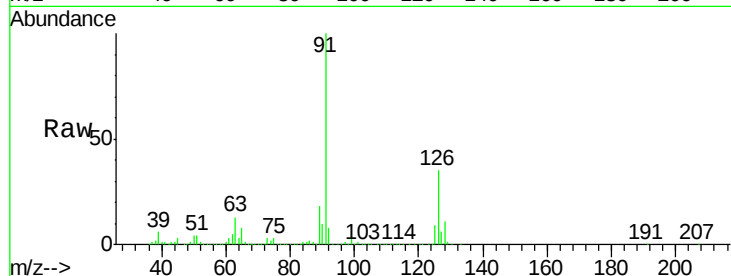
126 35.5 0.0 70.8

Manual Integrations

APPROVED

apatel

10/16/2020 2:11:32 PM



#76

1,3,5-Trimethylbenzene

Concen: 49.635 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX018935.D

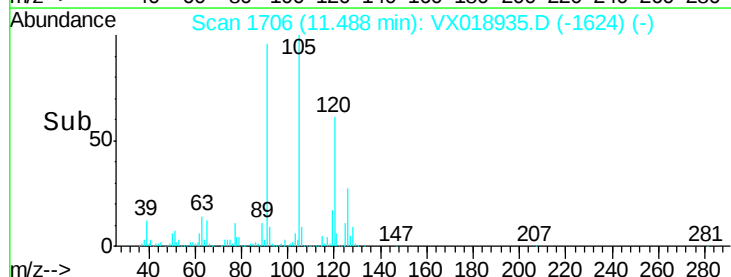
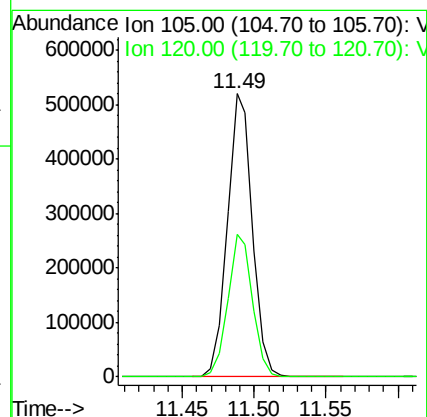
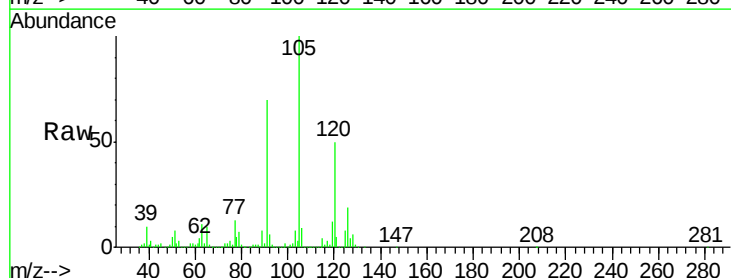
Acq: 15 Oct 2020 14:25

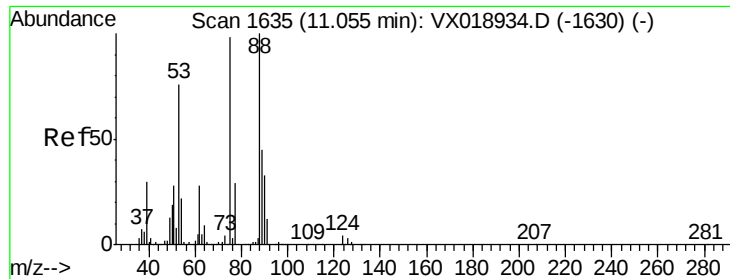
Tgt Ion: 105 Resp: 633724

Ion Ratio Lower Upper

105 100

120 50.1 0.0 101.6





#77

t-1,4-Dichloro-2-butene

Concen: 52.758 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

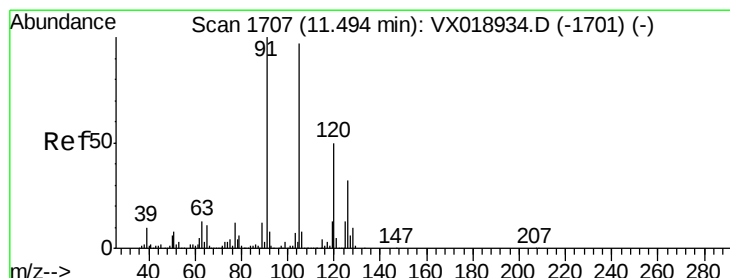
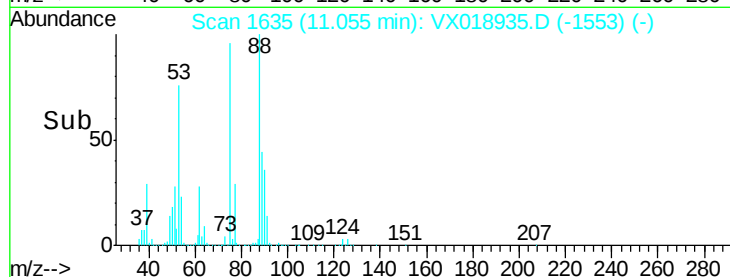
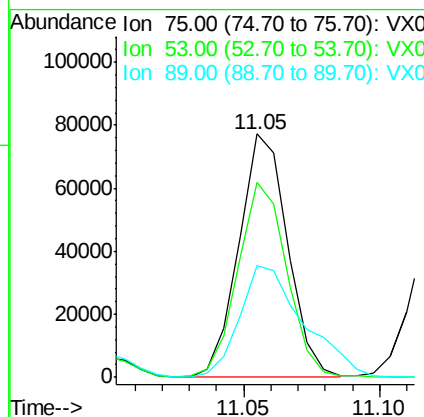
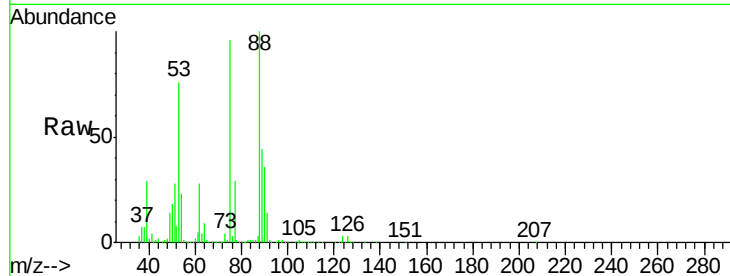
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	95924
Ion	Ratio	Lower	Upper
75	100		
53	79.6	38.8	116.3
89	45.7	22.9	68.8

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM



#78

4-Chlorotoluene

Concen: 47.277 ug/l

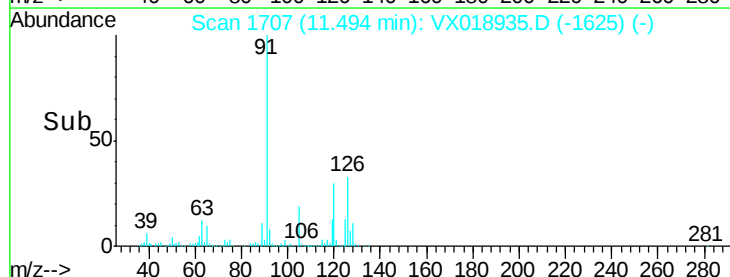
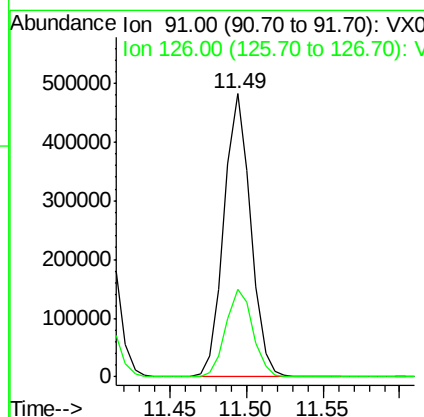
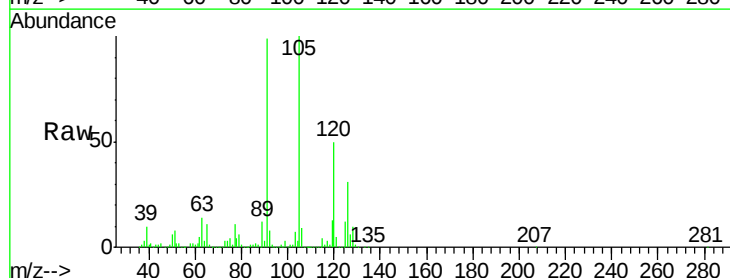
RT: 11.49 min Scan# 1707

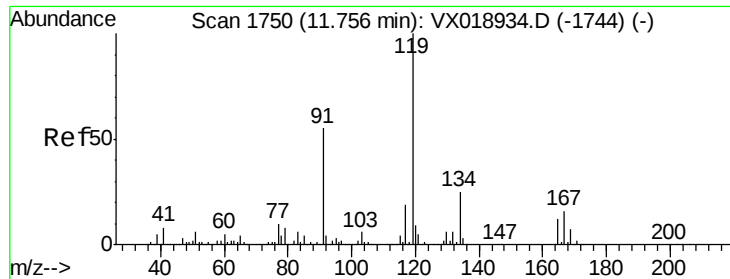
Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Tgt Ion:	91	Resp:	582981
Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	63.6





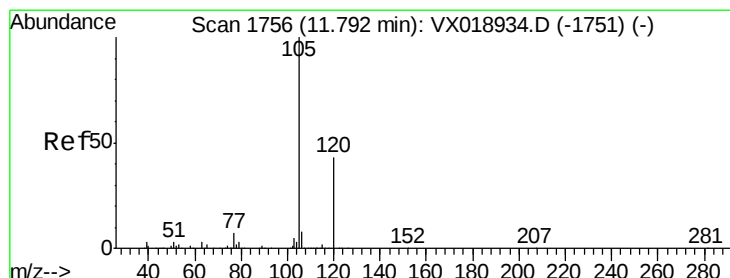
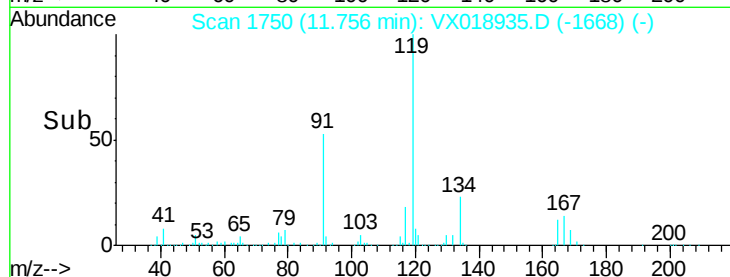
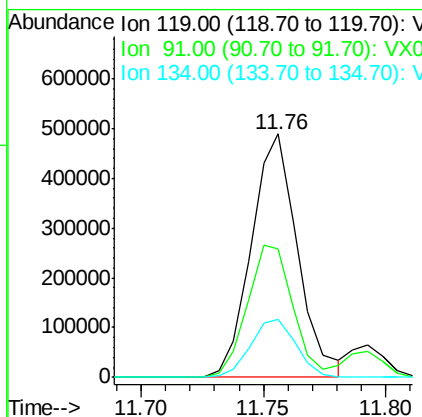
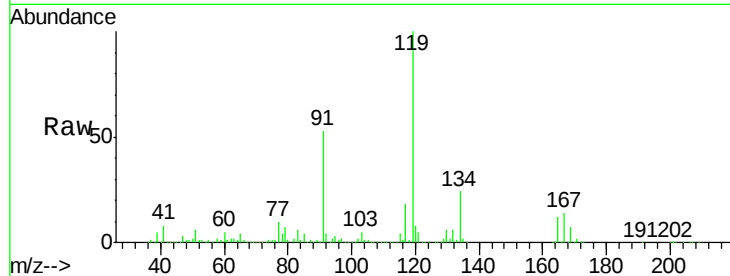
#79
tert-butylbenzene
Concen: 52.009 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	645352		
91	53.4	0.0	110.0	
134	23.5	0.0	47.4	

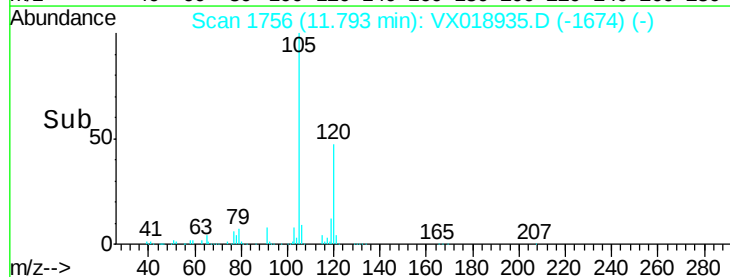
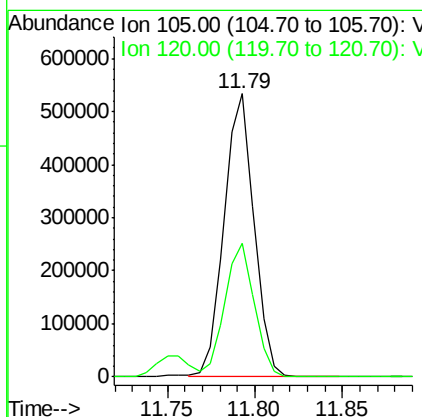
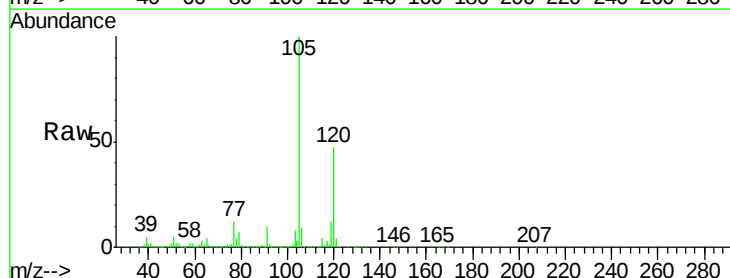
Manual Integrations
APPROVED

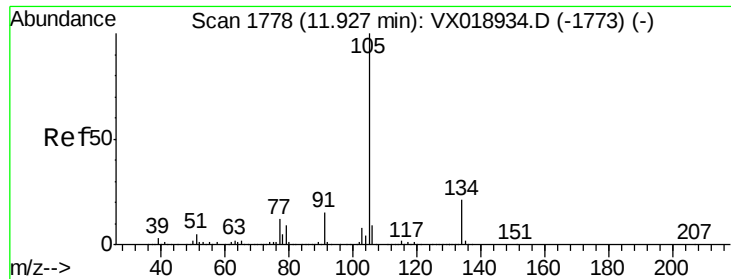
apatel
10/16/2020 2:11:32 PM



#80
1,2,4-Trimethylbenzene
Concen: 50.326 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	634398		
120	46.5	0.0	93.0	





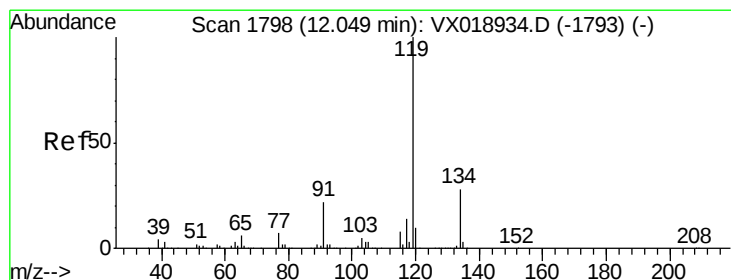
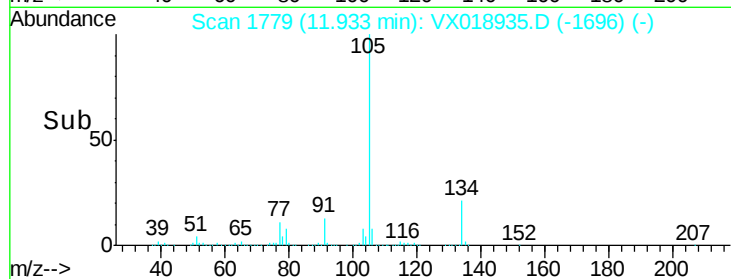
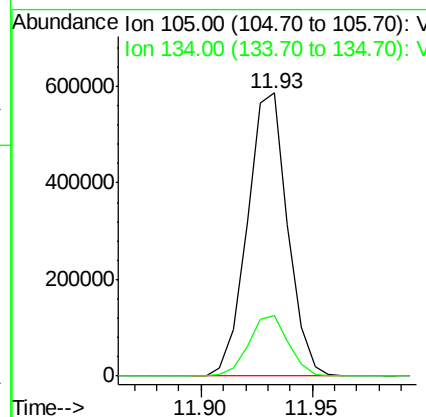
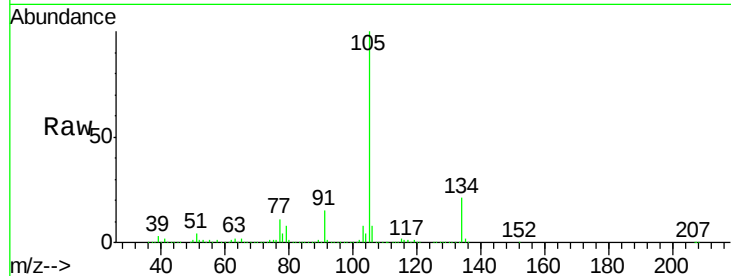
#81
 sec-Butylbenzene
 Concen: 51.150 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	0.0	42.6

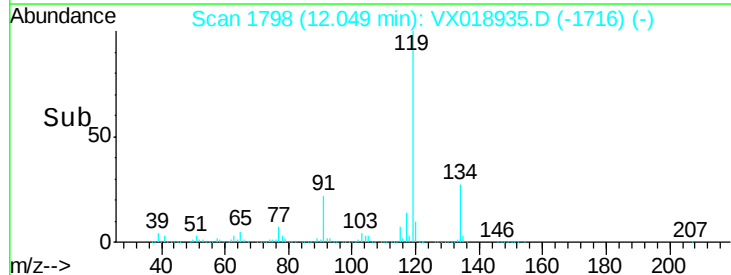
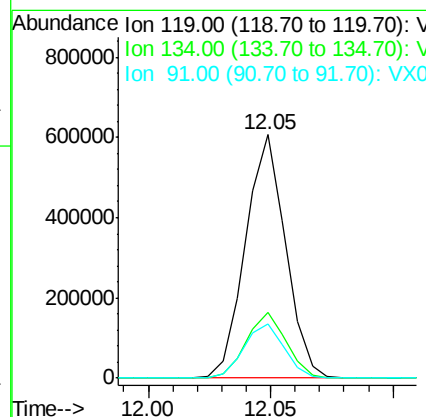
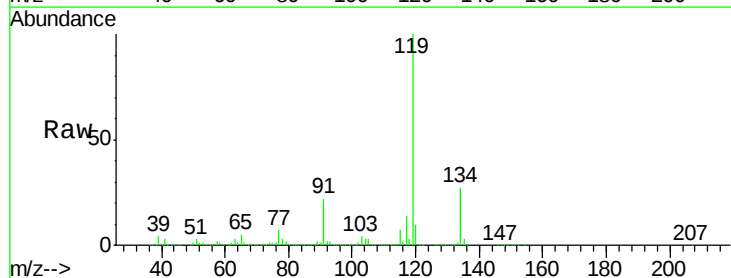
Manual Integrations
 APPROVED

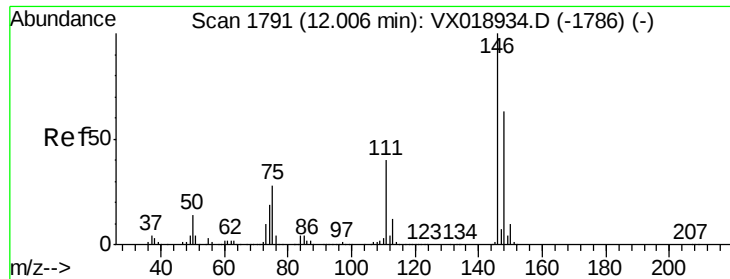
apatel
 10/16/2020 2:11:32 PM



#82
 p-Isopropyltoluene
 Concen: 50.985 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	54.8
91	22.5	0.0	45.4





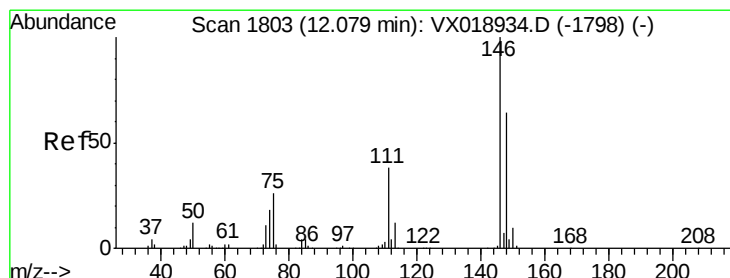
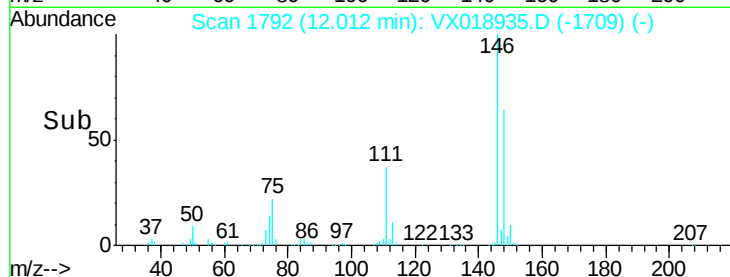
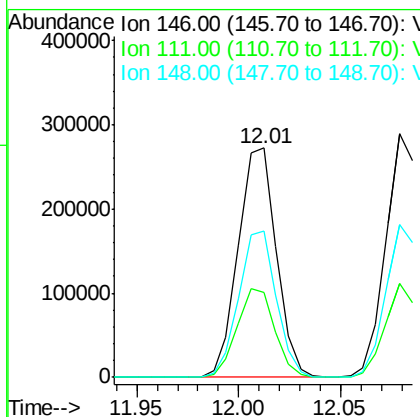
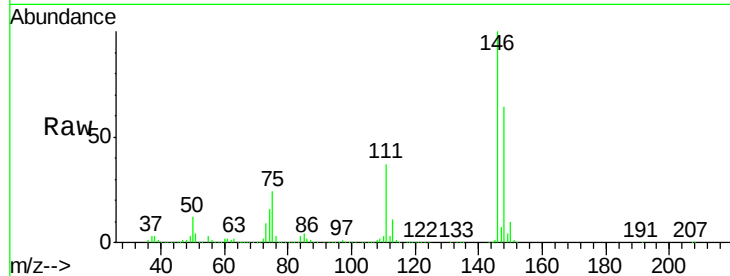
#83
 1,3-Dichlorobenzene
 Concen: 50.109 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.9	59.7
148	62.8	31.9	95.5

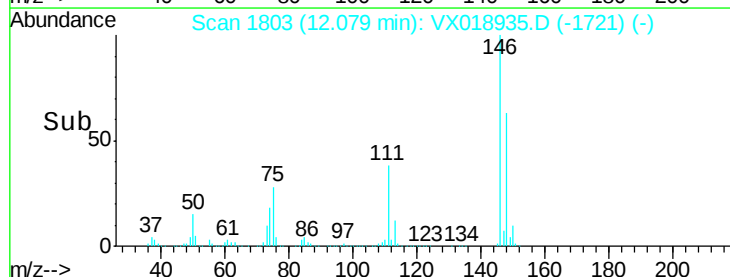
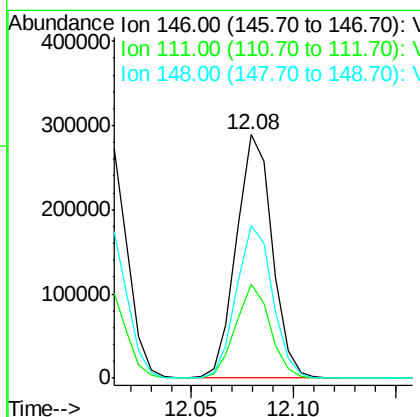
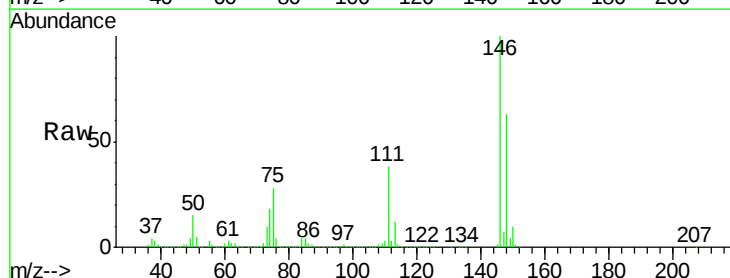
Manual Integrations
 APPROVED

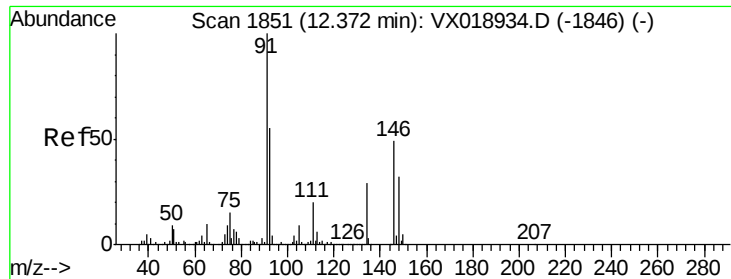
apatel
 10/16/2020 2:11:32 PM



#84
 1,4-Dichlorobenzene
 Concen: 49.655 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	63.8	32.1	96.5





#85

n-Butylbenzene

Concen: 51.062 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Instrument :

MSVOA_X

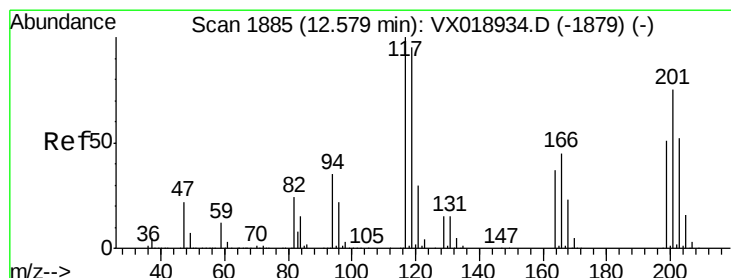
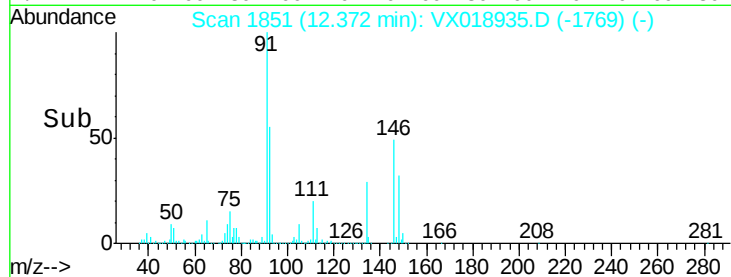
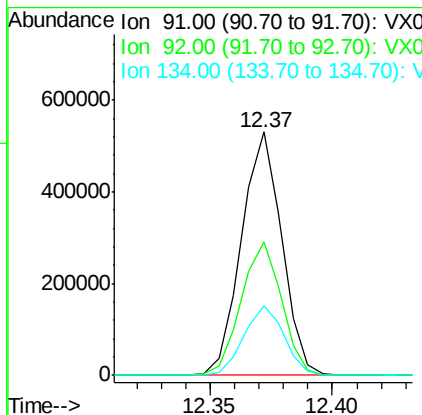
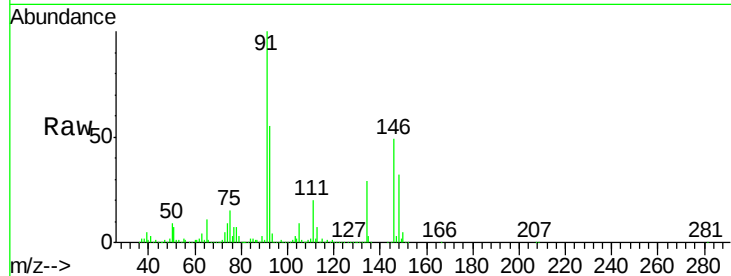
ClientSampleId :

VSTDIC050

Tot Ion:	91	Resp:	608360
Ion	Ratio	Lower	Upper
91	100		
92	54.9	0.0	109.6
134	28.6	0.0	56.4

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM



#86

Hexachloroethane

Concen: 44.387 ug/l

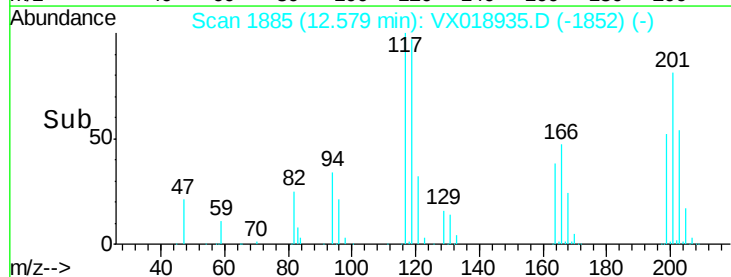
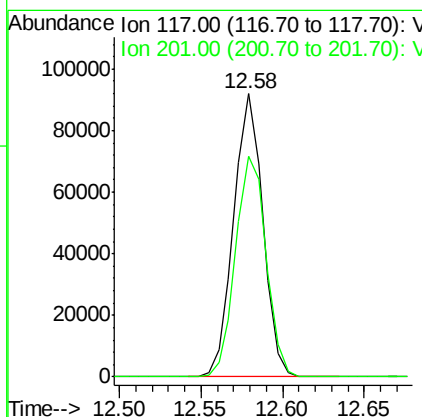
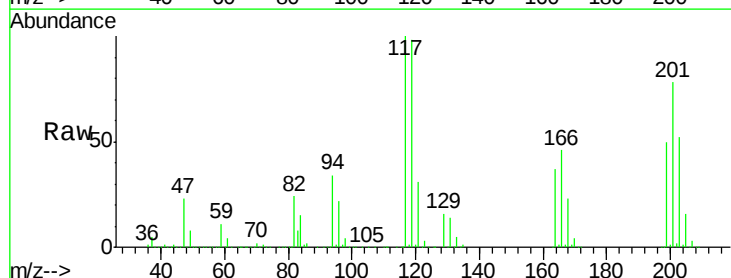
RT: 12.58 min Scan# 1885

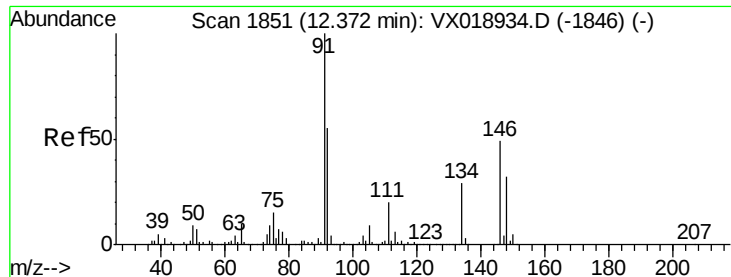
Delta R.T. 0.00 min

Lab File: VX018935.D

Acq: 15 Oct 2020 14:25

Tgt Ion:	117	Resp:	114961
Ion	Ratio	Lower	Upper
117	100		
201	81.6	38.9	116.6





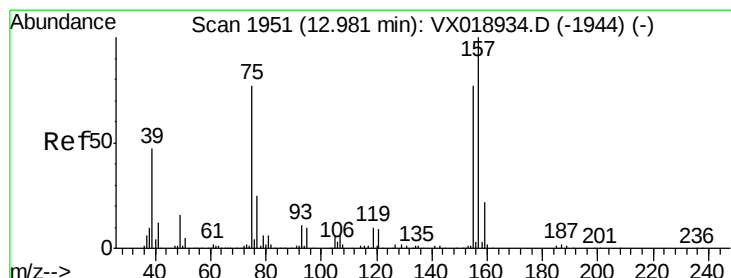
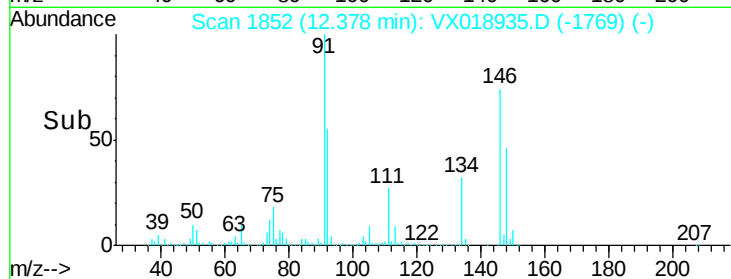
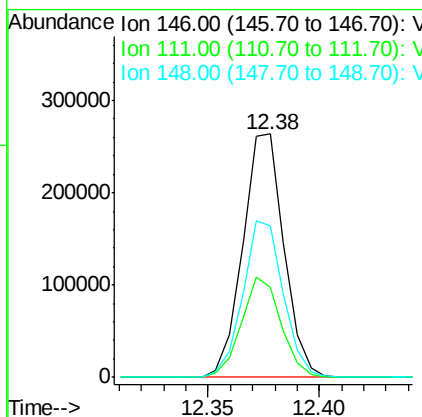
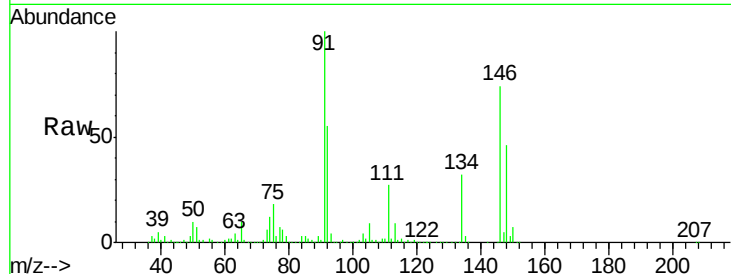
#87
 1,2-Dichlorobenzene
 Concen: 50.899 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	340133		
111	39.4	19.9	59.6	
148	63.1	31.9	95.7	

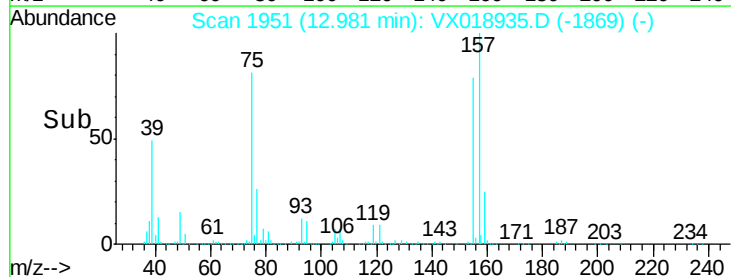
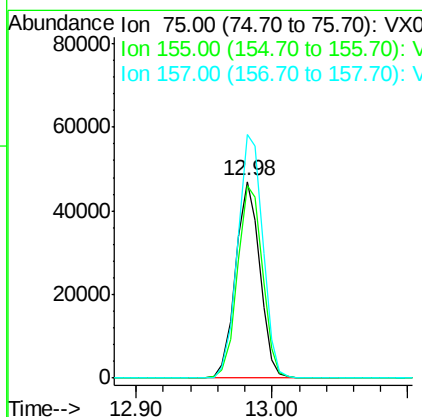
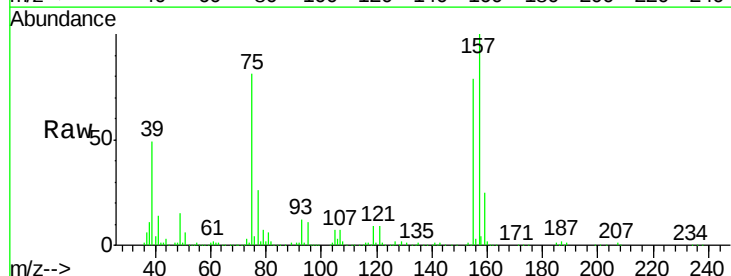
Manual Integrations
 APPROVED

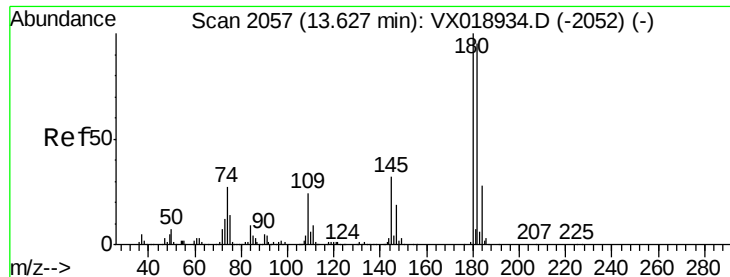
apatel
 10/16/2020 2:11:32 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 48.051 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58221		
155	100.9	79.3	118.9	
157	127.7	104.2	156.4	





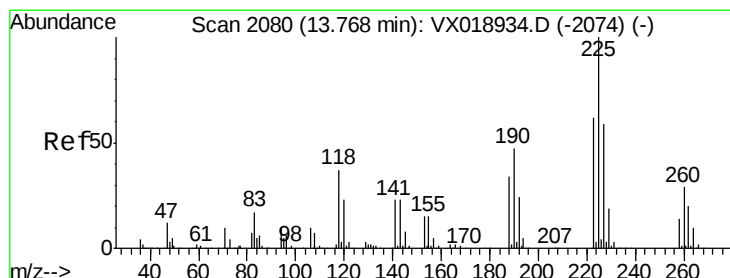
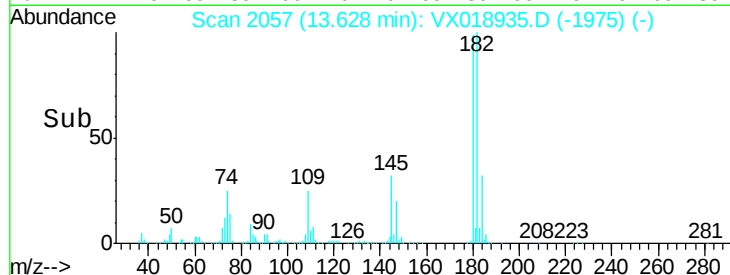
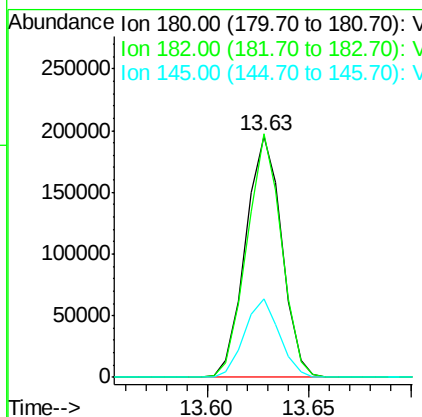
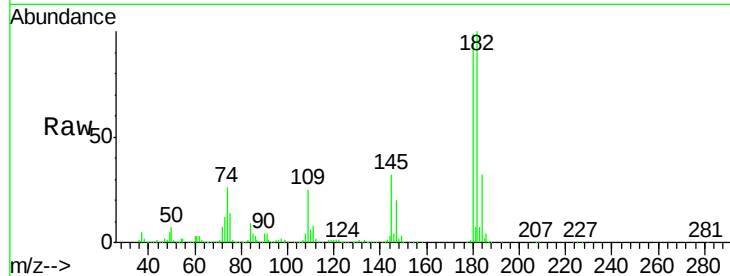
#89
 1,2,4-Trichlorobenzene
 Concen: 52.538 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	241045		
182	96.4	75.4	113.2	
145	31.5	24.8	37.2	

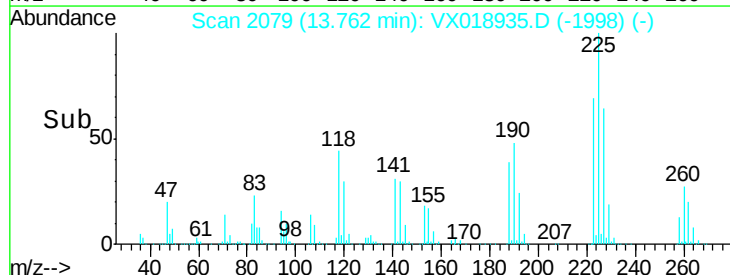
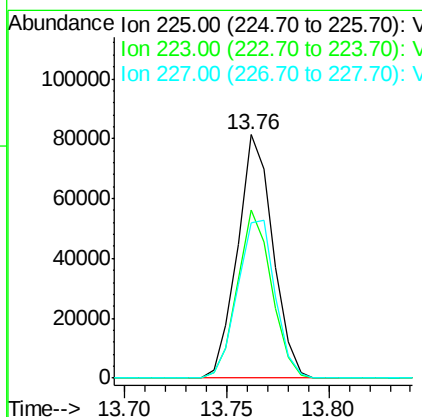
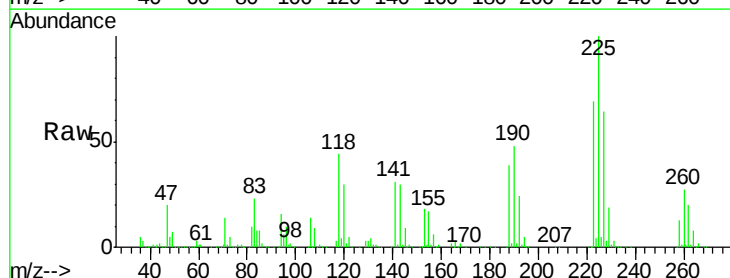
Manual Integrations
 APPROVED

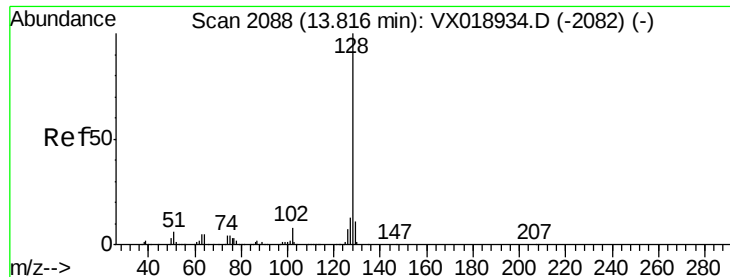
apatel
 10/16/2020 2:11:32 PM



#90
 Hexachlorobutadiene
 Concen: 51.004 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX018935.D
 Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97751		
223	66.7	0.0	128.8	
227	69.0	0.0	123.2	





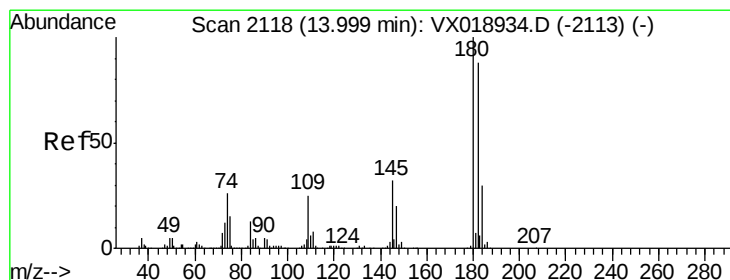
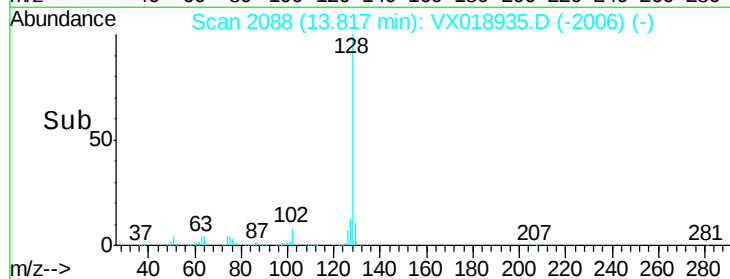
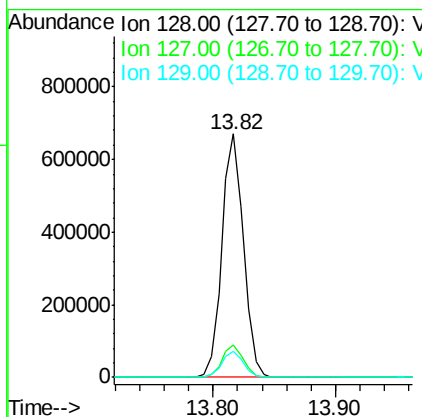
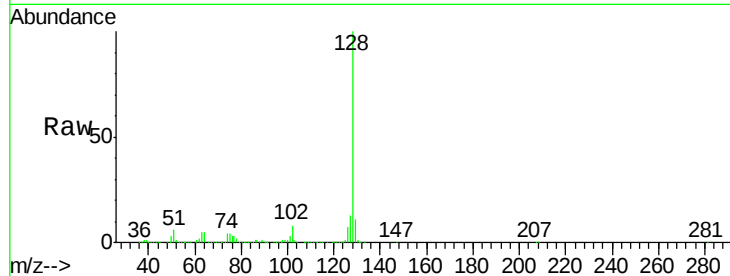
#91
Naphthalene
Concen: 56.281 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.6	8.7	13.1

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:32 PM



#92
1,2,3-Trichlorobenzene
Concen: 54.206 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX018935.D
Acq: 15 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	0.0	190.8
145	32.0	0.0	64.4

