

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013991.D
 Acq On : 12 Dec 2019 22:11
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:36 AM

Quant Time: Dec 13 01:25:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:15:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	92238	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	512220	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	457218	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	197095	28.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.27%
60) 4-Bromofluorobenzene	11.14	95	211234	28.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.50%
63) Toluene-d8	8.71	98	625280	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	25064	3.866 ug/l	94
3) Chloromethane	1.32	50	33525	4.523 ug/l	99
4) Vinyl Chloride	1.40	62	33996	4.127 ug/l	96
5) Bromomethane	1.63	94	28785	5.523 ug/l	97
6) Chloroethane	1.70	64	21200	4.582 ug/l	97
7) Trichlorofluoromethane	1.92	101	41326	4.516 ug/l	99
8) Diethyl Ether	2.18	74	17982	4.297 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25607	4.679 ug/l	94
10) 1,1-Dichloroethene	2.36	96	25405	4.502 ug/l	88
11) Methyl Iodide	2.50	142	23693	3.372 ug/l	96
12) Methyl Acetate	2.76	43	39248	4.044 ug/l	98
13) Acrolein	2.28	56	17037	15.947 ug/l	95
14) Acrylonitrile	3.13	53	74638	20.745 ug/l	100
15) Acetone	2.44	58	23080	21.924 ug/l	82
16) Carbon Disulfide	2.56	76	62840	4.019 ug/l	96
17) Allyl chloride	2.72	41	42190	4.074 ug/l	97
18) Methylene Chloride	2.85	84	35302	5.409 ug/l	90
19) trans-1,2-Dichloroethene	3.15	96	28029	4.622 ug/l	97
20) Diisopropyl ether	3.84	45	91080	4.502 ug/l	90
21) 1,1-Dichloroethane	3.69	63	51010	4.643 ug/l	97
22) cis-1,2-Dichloroethene	4.59	96	32478	4.676 ug/l	97
23) tert-Butyl Alcohol	3.05	59	28336	16.689 ug/l	# 100
24) Methyl tert-Butyl Ether	3.19	73	83047	4.421 ug/l	98
25) Chloroform	5.20	83	46636	4.350 ug/l	92
26) Cyclohexane	5.57	56	42942	4.301 ug/l	# 97
29) 1,1-Dichloropropene	5.79	75	35025	4.490 ug/l	77
30) 2-Butanone	4.67	43	104753	21.060 ug/l	97
31) 2,2-Dichloropropane	4.58	77	31676	3.873 ug/l	91
32) 1,1,1-Trichloroethane	5.48	97	39444	4.581 ug/l	97
33) Carbon Tetrachloride	5.78	117	31700	4.260 ug/l	# 94
34) Benzene	6.14	78	112056	4.725 ug/l	97
35) Methacrylonitrile	5.03	41	21460	4.214 ug/l	95
36) 1,2-Dichloroethane	6.18	62	42373m	5.139 ug/l	
37) Trichloroethene	7.20	130	31595	4.954 ug/l	91
38) Methylcyclohexane	7.45	83	39756	4.191 ug/l	99
39) 1,2-Dichloropropane	7.51	63	29369	4.780 ug/l	98
40) Dibromomethane	7.66	93	18470	4.556 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121219\
 Data File : VX013991.D
 Acq On : 12 Dec 2019 22:11
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:36 AM

Quant Time: Dec 13 01:25:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:15:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	32981	4.200	ug/l	90
42) Vinyl Acetate	3.80	43	358214	22.103	ug/l	100
43) Ethyl Acetate	4.83	43	38462	4.174	ug/l	97
44) Isopropyl Acetate	6.43	43	67901	4.544	ug/l	98
45) 1,4-Dioxane	7.74	88	11738	72.136	ug/l	96
46) Methyl methacrylate	7.77	41	29731	3.995	ug/l	99
47) n-amyl Acetate	10.89	43	49964	3.787	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	33314	3.792	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	39120	4.049	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	29204	4.841	ug/l	98
51) Ethyl methacrylate	9.17	69	40313	4.070	ug/l	98
52) 1,3-Dichloropropane	9.37	76	48817	4.730	ug/l	99
53) Dibromochloromethane	9.57	129	23628	3.738	ug/l	94
54) 1,2-Dibromoethane	9.67	107	28457	4.454	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	95876	22.621	ug/l	99
56) Bromoform	10.85	173	17387	3.469	ug/l #	97
58) 4-Methyl-2-Pentanone	8.64	43	203165	21.625	ug/l	99
59) 2-Hexanone	9.49	43	148236	20.160	ug/l	99
61) Tetrachloroethene	9.33	164	29423	5.139	ug/l	97
62) Toluene	8.78	91	121351	4.788	ug/l	99
64) Chlorobenzene	10.14	112	73568	4.618	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.22	131	27174	4.590	ug/l	96
66) Ethyl Benzene	10.24	91	124441	4.464	ug/l	99
67) m/p-Xylenes	10.35	106	92772	8.619	ug/l	97
68) o-Xylene	10.70	106	47437	4.543	ug/l	99
69) Styrene	10.71	104	77171	4.355	ug/l	99
70) Isopropylbenzene	11.01	105	120878	4.425	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	44896	4.594	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	37661m	4.452	ug/l	
73) Bromobenzene	11.25	156	32471	4.491	ug/l	97
74) n-propylbenzene	11.35	91	132026	4.253	ug/l	99
75) 2-Chlorotoluene	11.42	91	83367	4.496	ug/l	97
76) 1,3,5-Trimethylbenzene	11.50	105	100154	4.352	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	9321	2.886	ug/l	92
78) 4-Chlorotoluene	11.51	91	91388	4.299	ug/l	99
79) tert-butylbenzene	11.76	119	94429	4.101	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	99006	4.309	ug/l	99
81) sec-Butylbenzene	11.94	105	113728	4.296	ug/l	99
82) p-Isopropyltoluene	12.06	119	98463	4.058	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	54740	4.312	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	53952	4.276	ug/l	98
85) n-Butylbenzene	12.38	91	75223	3.616	ug/l	98
86) Hexachloroethane	12.59	117	17020	3.843	ug/l	89
87) 1,2-Dichlorobenzene	12.39	146	56625	4.464	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	7342	3.404	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	30943	3.594	ug/l	97
90) Hexachlorobutadiene	13.77	225	16388	3.954	ug/l	97
91) Naphthalene	13.83	128	88745	3.289	ug/l	98
92) 1,2,3-Trichlorobenzene	14.01	180	32834	3.781	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
Data File : VX013991.D
Acq On : 12 Dec 2019 22:11
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

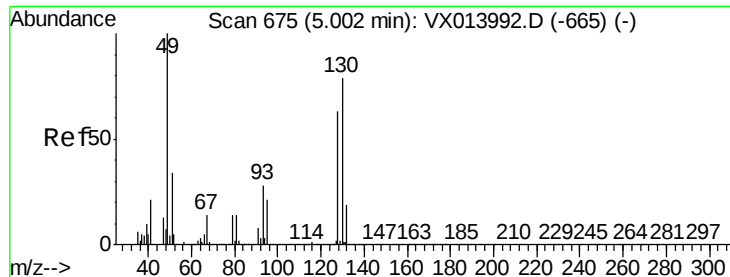
Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM

Quant Time: Dec 13 01:25:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:15:47 2019
Response via : Initial Calibration

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

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



#1

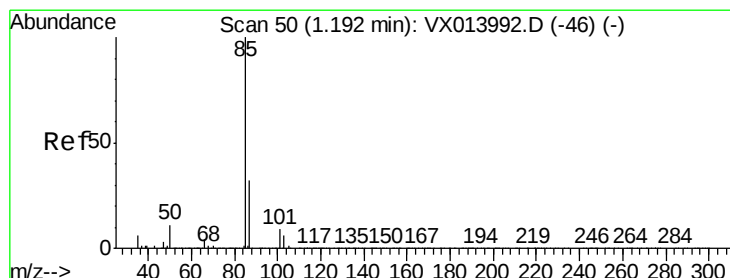
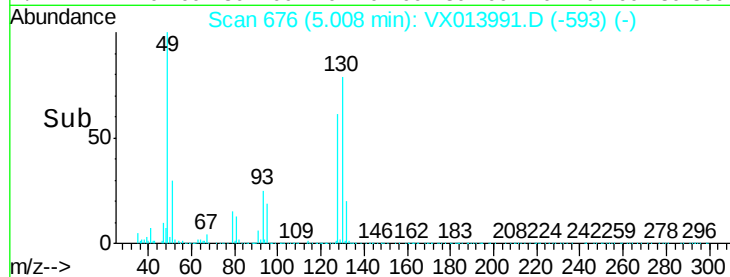
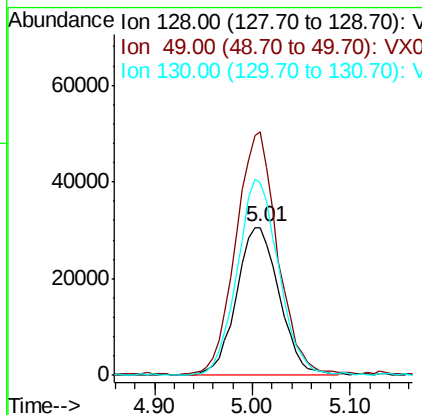
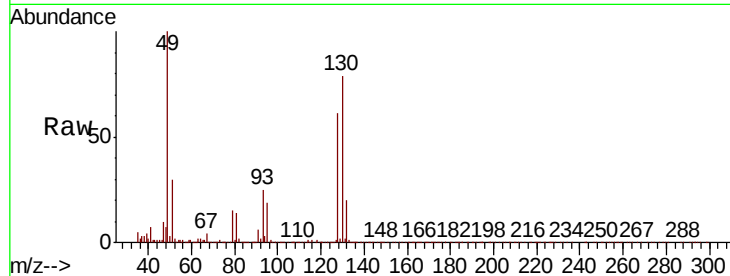
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	162.2	0.0	405.0
130	129.9	0.0	321.5

Manual Integrations
 APPROVED

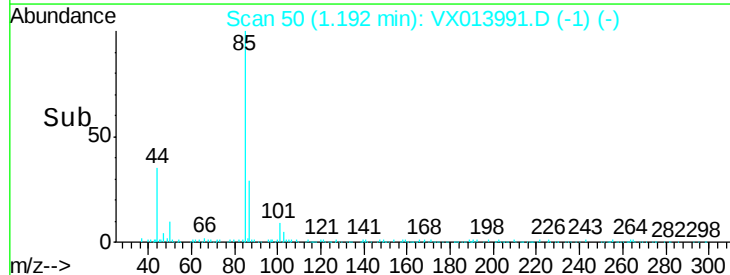
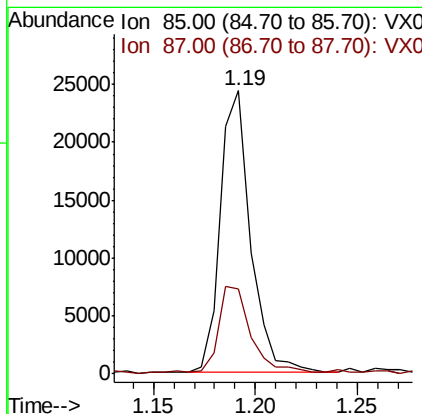
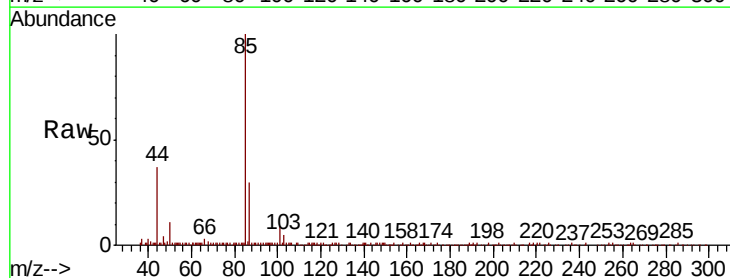
apatel
 12/13/2019 11:25:36 AM

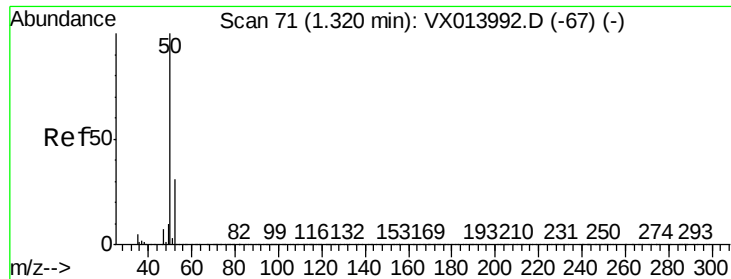


#2

Dichlorodifluoromethane
 Concen: 3.866 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.4	16.3	48.9





#3

Chloromethane

Concen: 4.523 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 33525

Ion Ratio Lower Upper

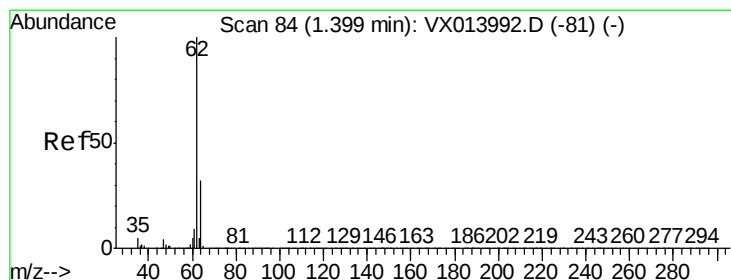
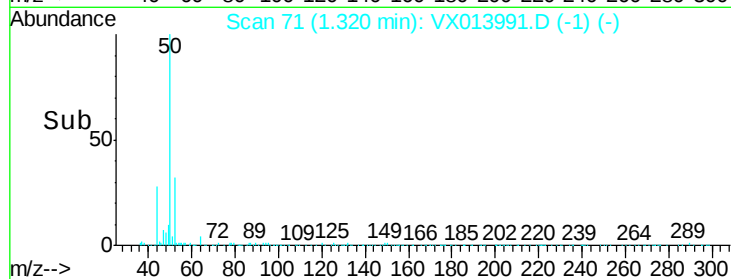
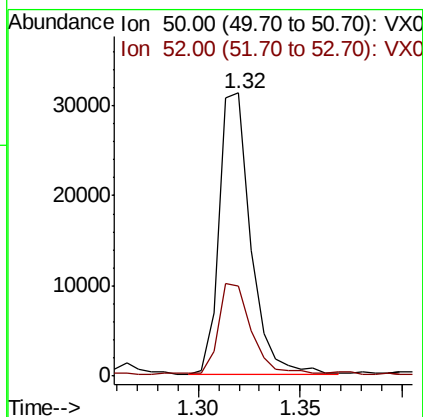
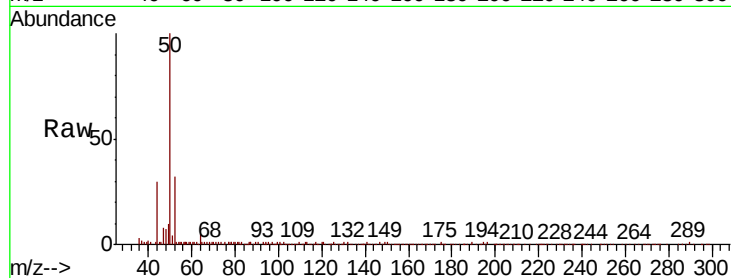
50 100

52 31.0 24.3 36.5

Manual Integrations
APPROVED

apatel

12/13/2019 11:25:36 AM



#4

Vinyl Chloride

Concen: 4.127 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013991.D

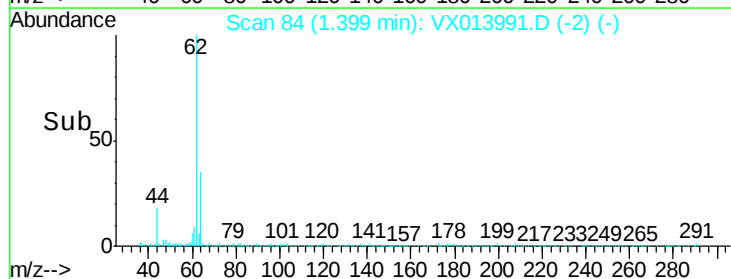
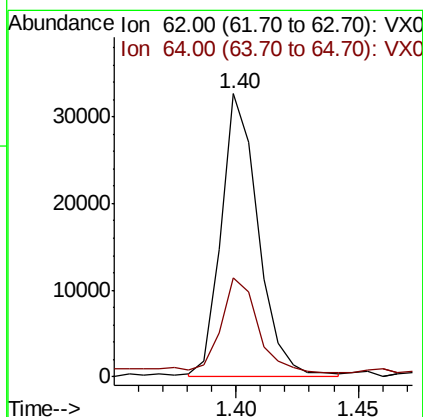
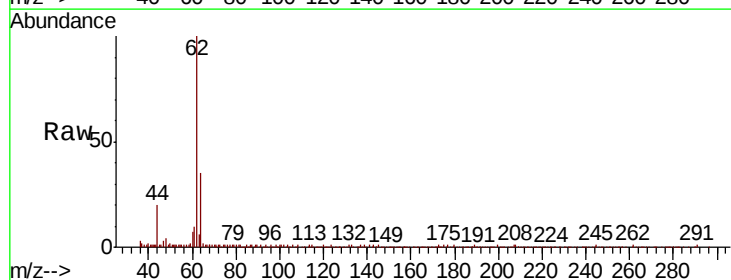
Acq: 12 Dec 2019 22:11

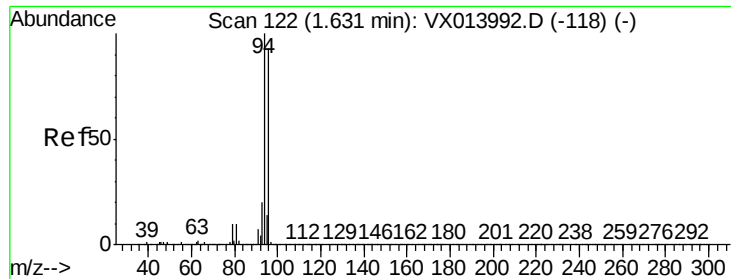
Tgt Ion: 62 Resp: 33996

Ion Ratio Lower Upper

62 100

64 33.7 25.2 37.8





#5

Bromomethane

Concen: 5.523 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 28785

Ion Ratio Lower Upper

94 100

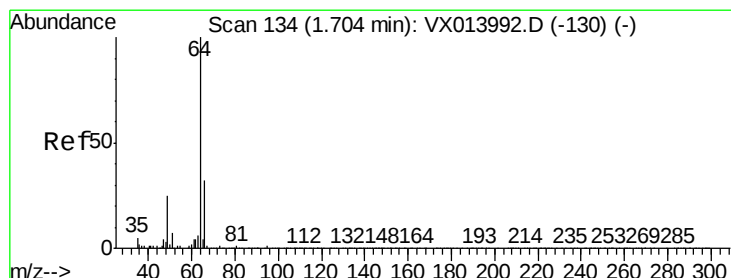
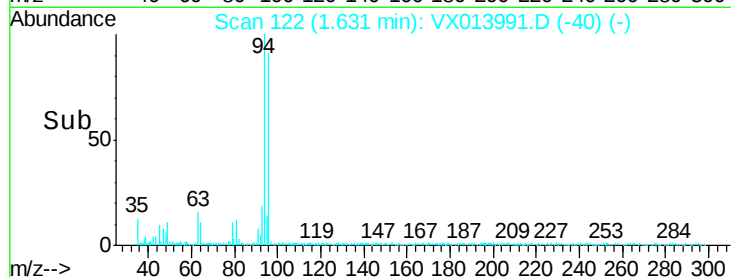
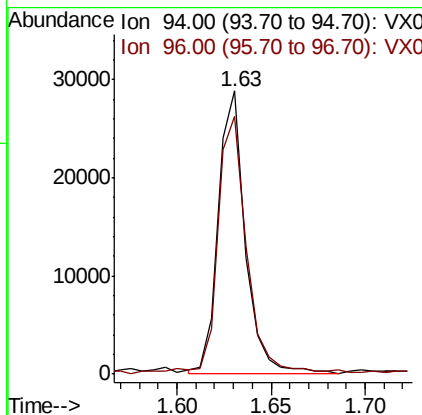
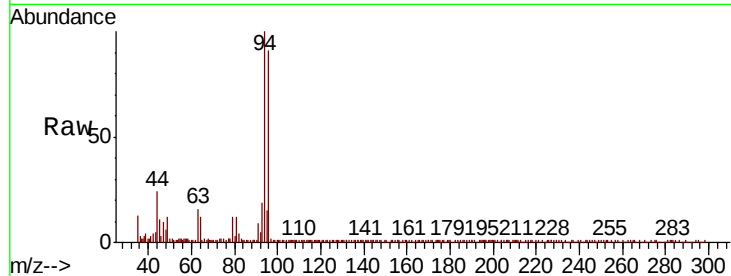
96 90.1 74.4 111.6

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:36 AM



#6

Chloroethane

Concen: 4.582 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX013991.D

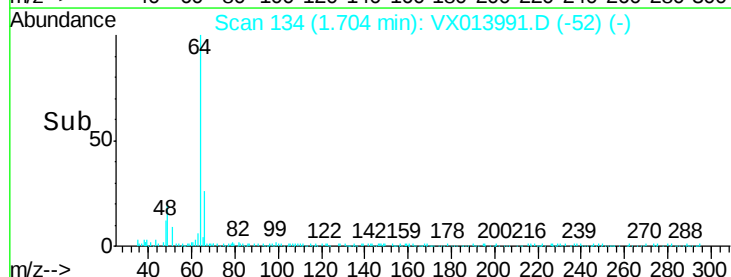
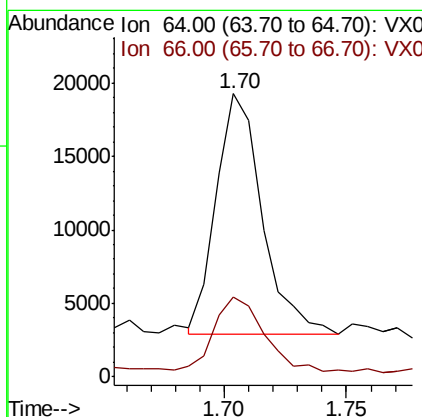
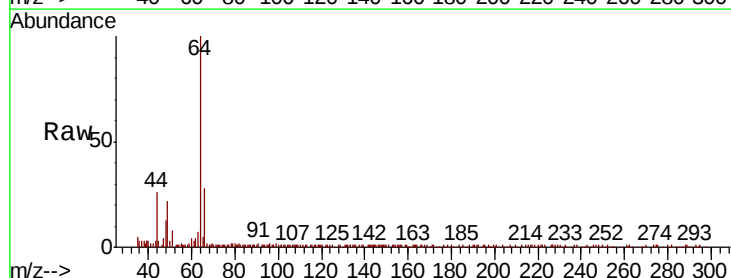
Acq: 12 Dec 2019 22:11

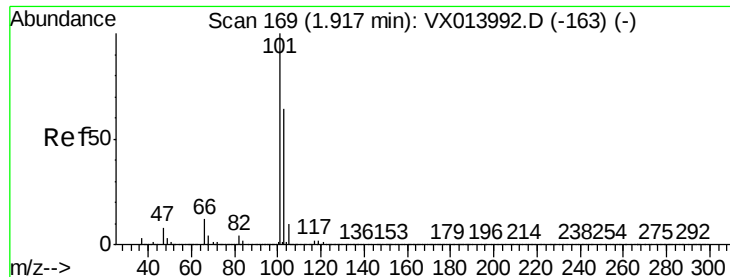
Tgt Ion: 64 Resp: 21200

Ion Ratio Lower Upper

64 100

66 30.1 25.2 37.8





#7

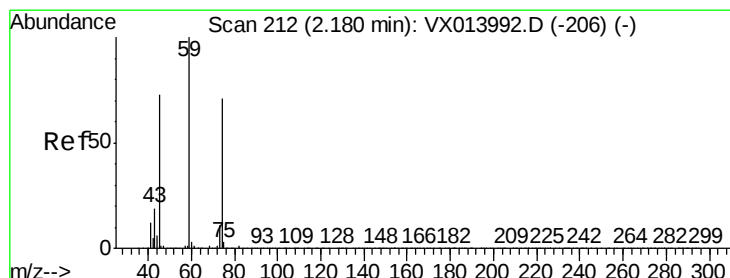
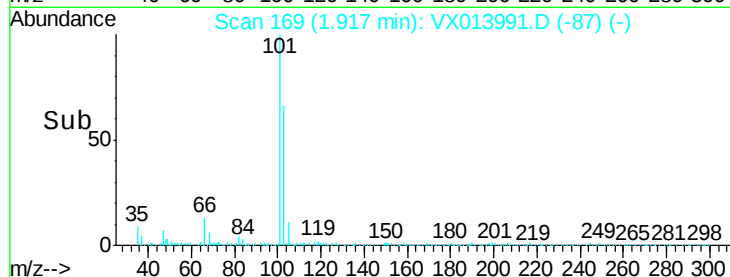
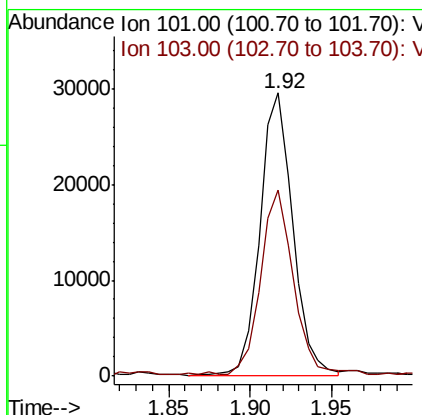
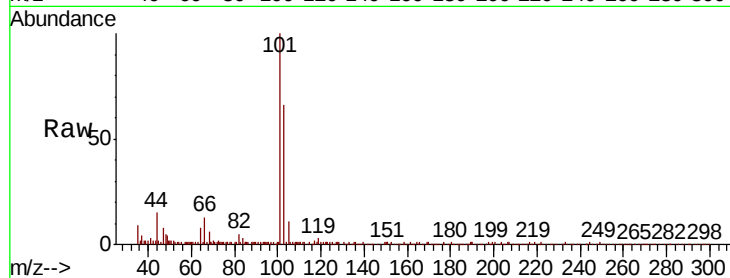
Trichlorofluoromethane
Concen: 4.516 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.6	77.4

Manual Integrations
APPROVED

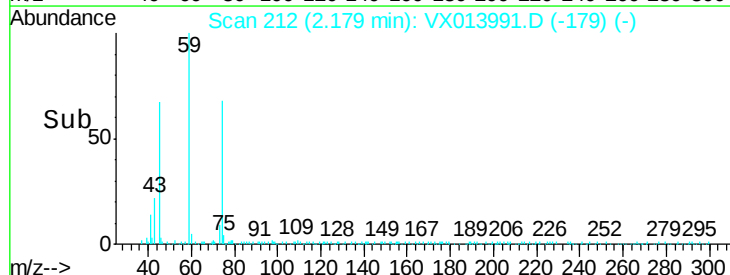
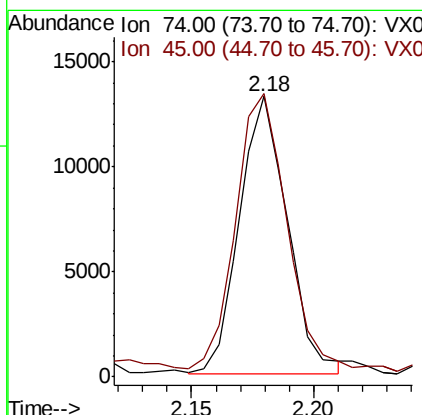
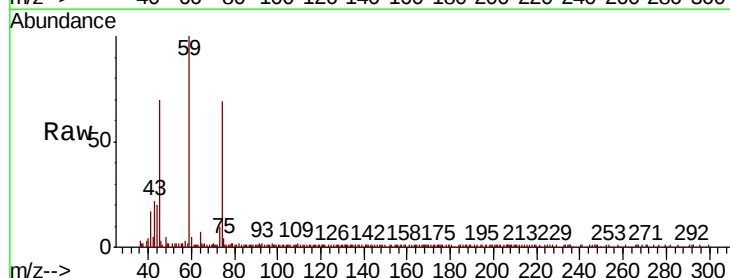
apatel
12/13/2019 11:25:36 AM

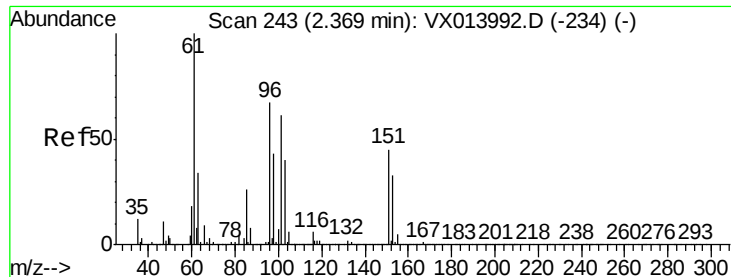


#8

Diethyl Ether
Concen: 4.297 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.9	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.679 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

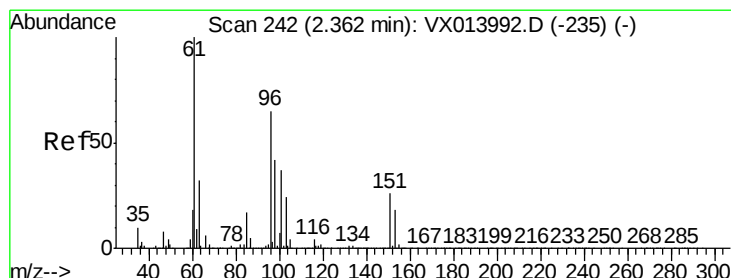
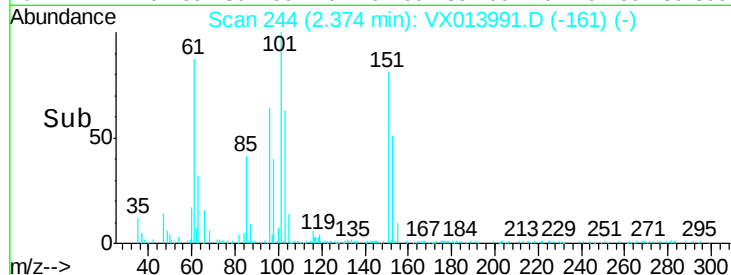
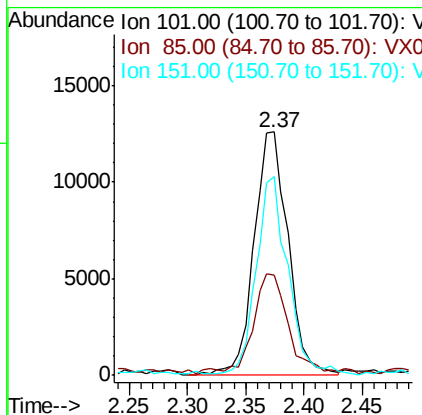
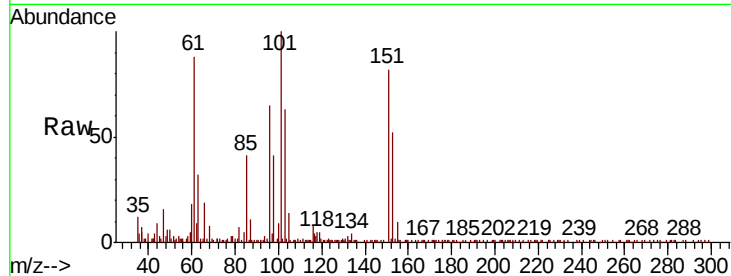
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	25607
Ion Ratio	Lower	Upper	
101	100		
85	37.7	0.0	85.6
151	75.0	0.0	159.4

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#10

1,1-Dichloroethene

Concen: 4.502 ug/l

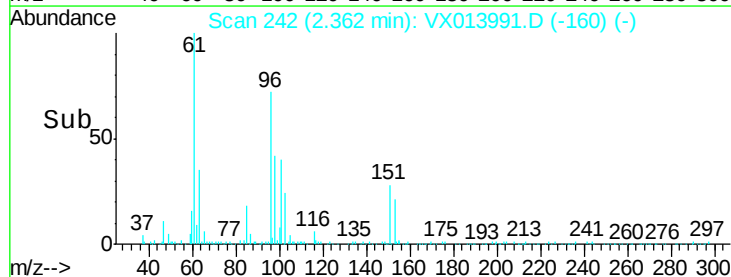
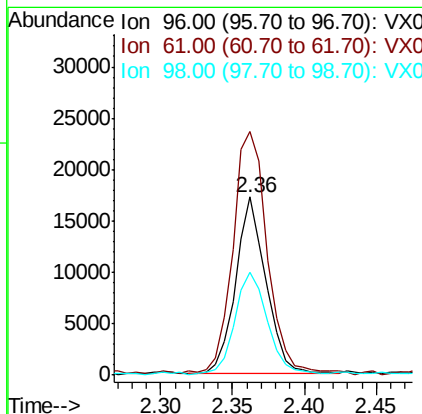
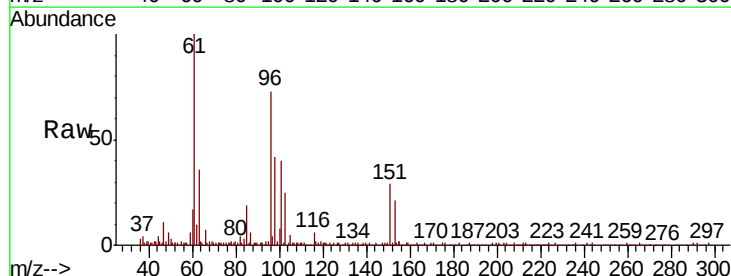
RT: 2.36 min Scan# 242

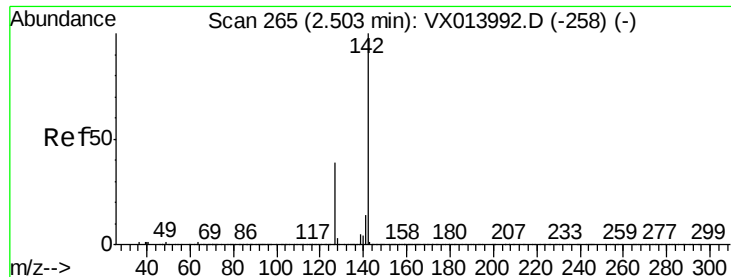
Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	96	Resp:	25405
Ion Ratio	Lower	Upper	
96	100		
61	135.3	123.0	184.6
98	58.5	51.4	77.0





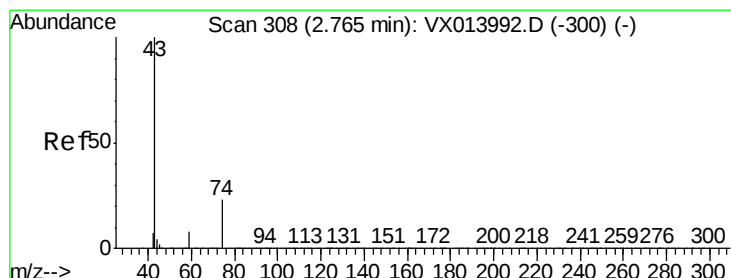
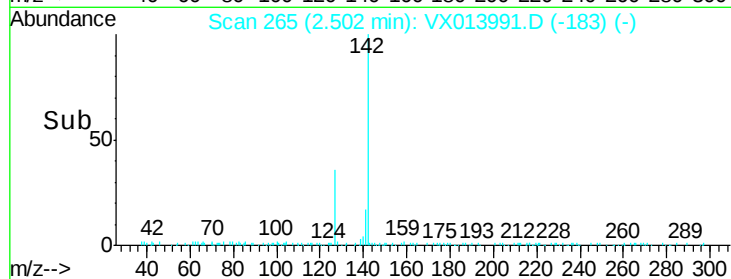
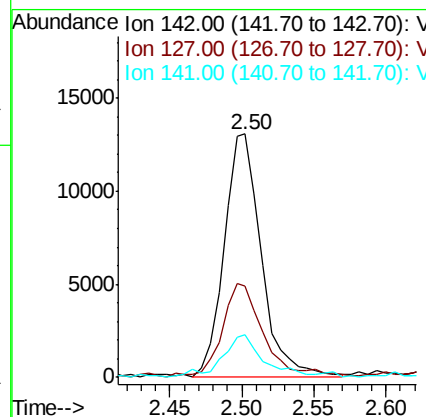
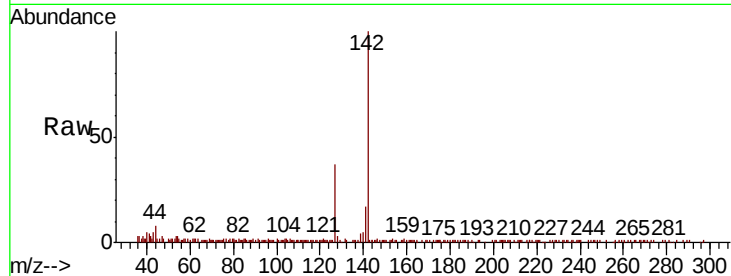
#11
Methvl Iodide
Concen: 3.372 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.3	19.5	58.5
141	15.7	7.0	20.9

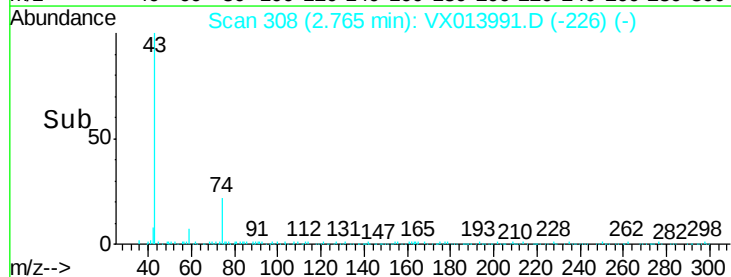
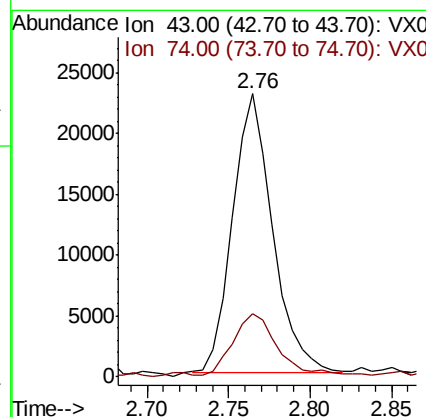
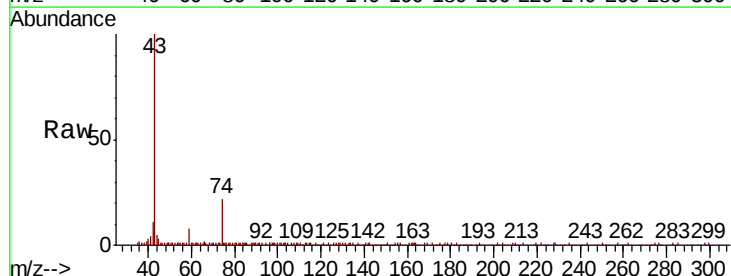
Manual Integrations
APPROVED

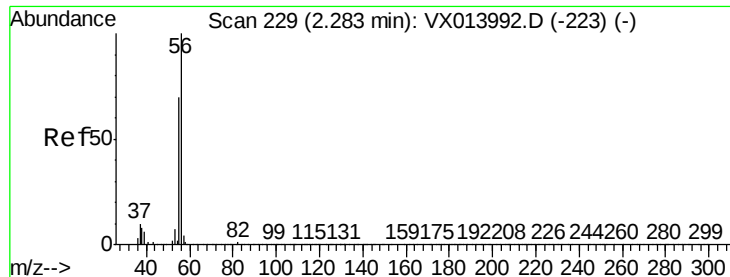
apatel
12/13/2019 11:25:36 AM



#12
Methyl Acetate
Concen: 4.044 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	18.5	27.7





#13

Acrolein

Concen: 15.947 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 17037

Ion Ratio Lower Upper

56 100

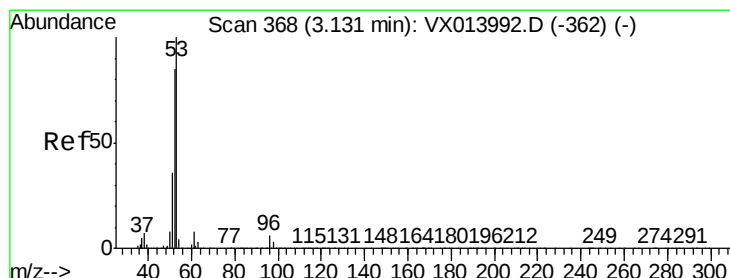
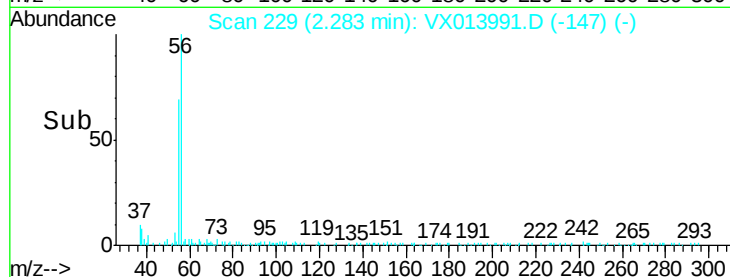
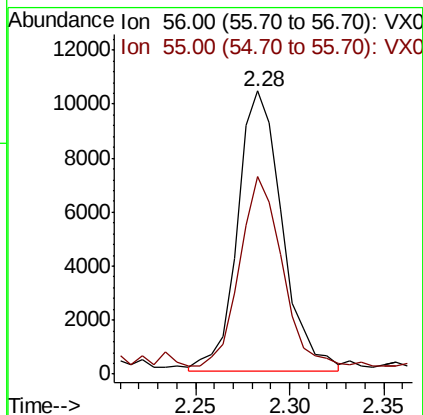
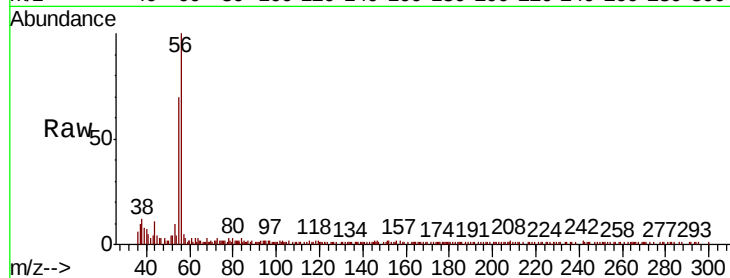
55 64.6 54.9 82.3

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:36 AM



#14

Acrylonitrile

Concen: 20.745 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

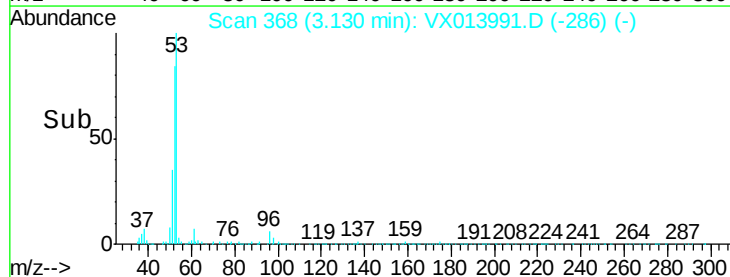
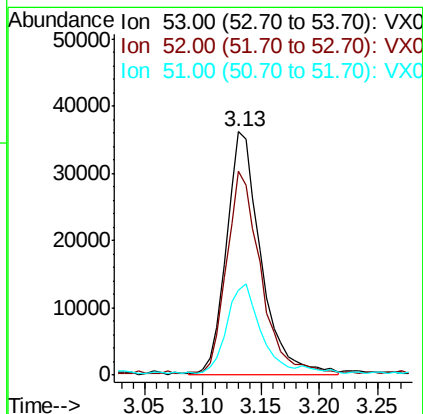
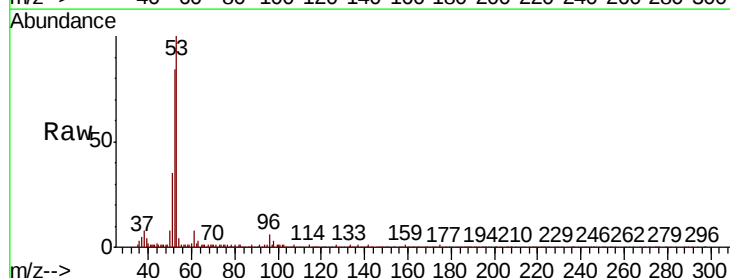
Tgt Ion: 53 Resp: 74638

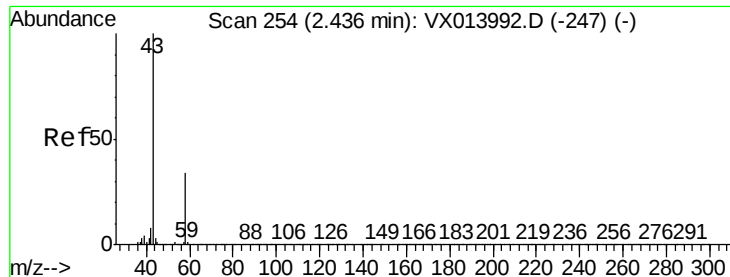
Ion Ratio Lower Upper

53 100

52 82.5 41.5 124.6

51 35.7 17.8 53.5





#15

Acetone

Concen: 21.924 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 23080

Ion Ratio Lower Upper

58 100

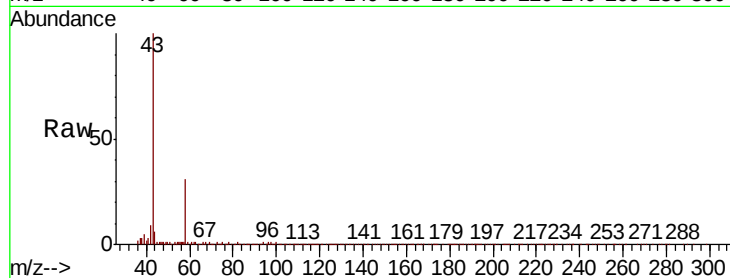
43 330.9 236.3 354.5

Manual Integrations

APPROVED

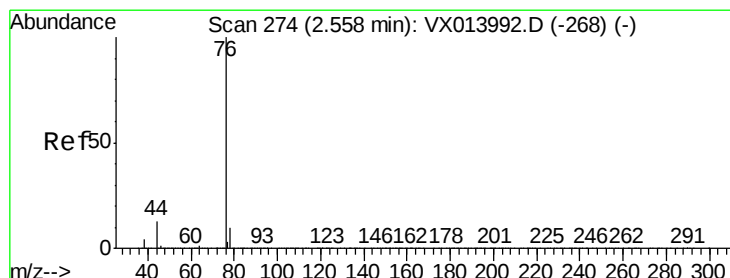
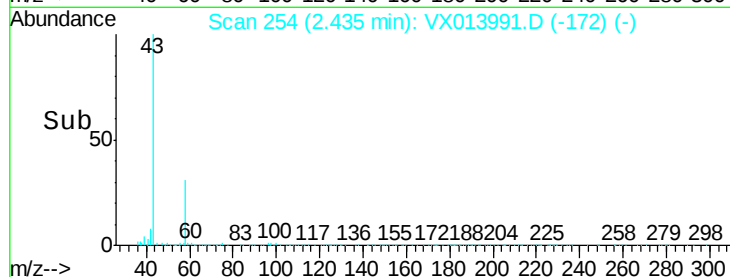
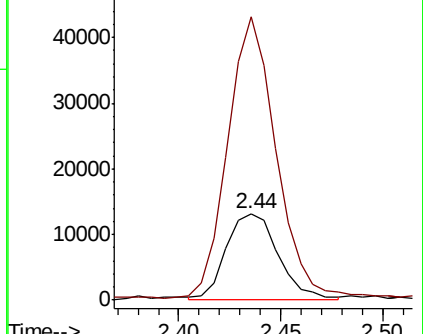
apatel

12/13/2019 11:25:36 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 4.019 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013991.D

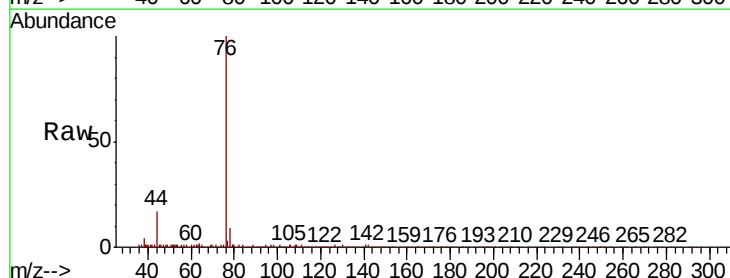
Acq: 12 Dec 2019 22:11

Tgt Ion: 76 Resp: 62840

Ion Ratio Lower Upper

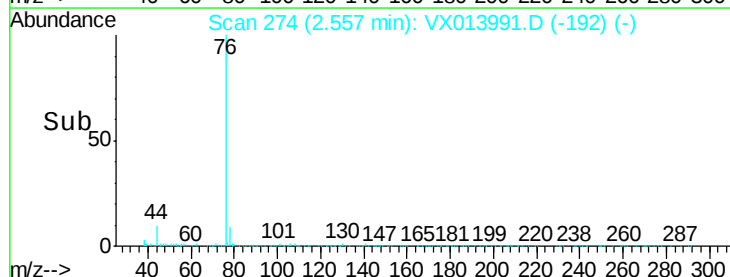
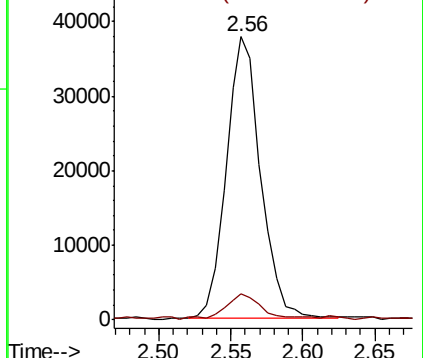
76 100

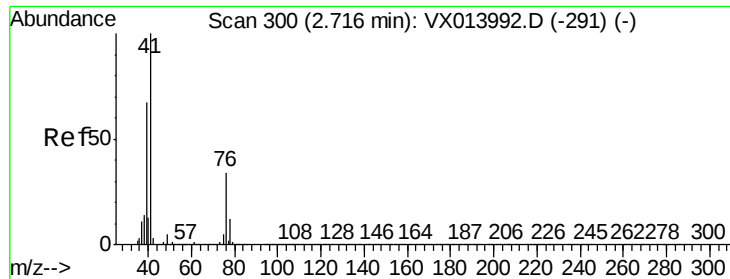
78 8.3 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





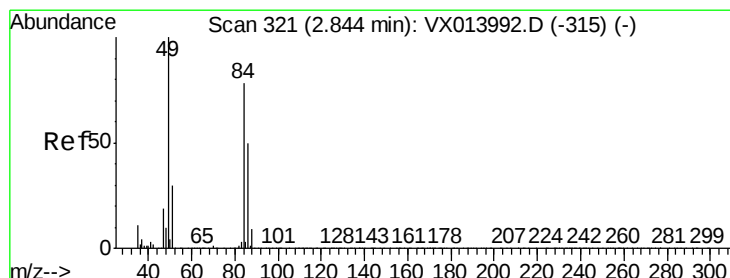
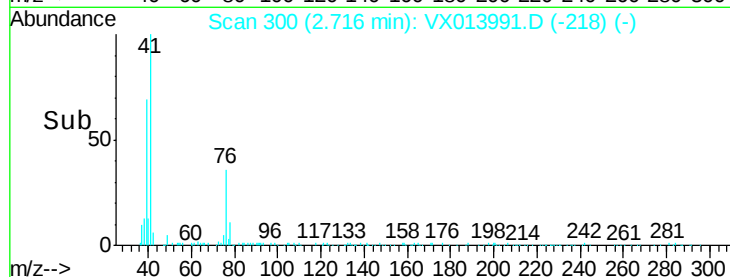
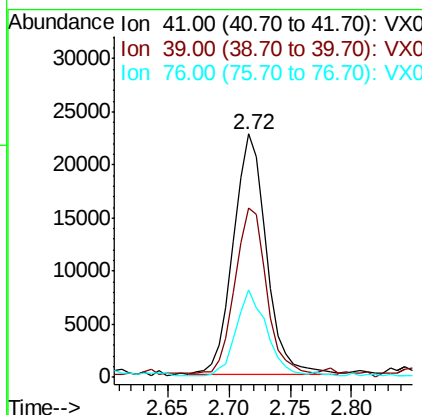
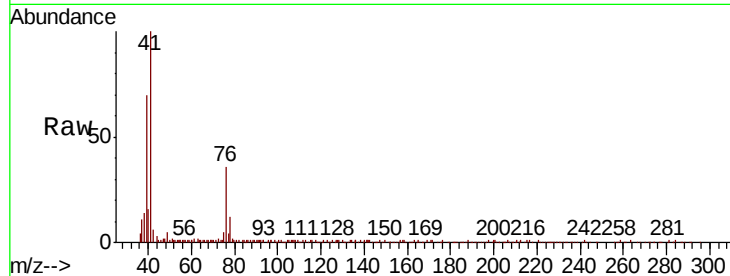
#17
Allvl chloride
Concen: 4.074 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	42190
Ion	Ratio	Lower	Upper
41	100		
39	69.2	33.4	100.2
76	35.8	17.0	50.9

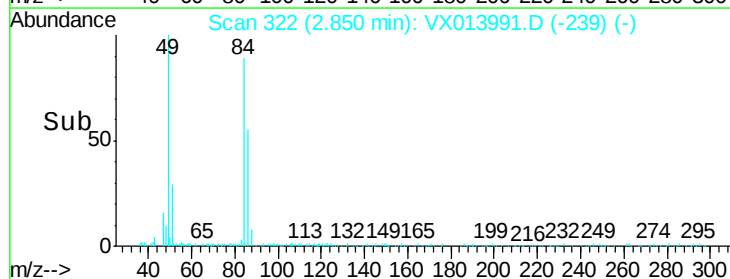
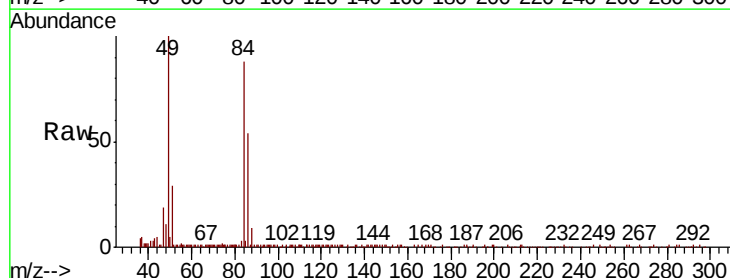
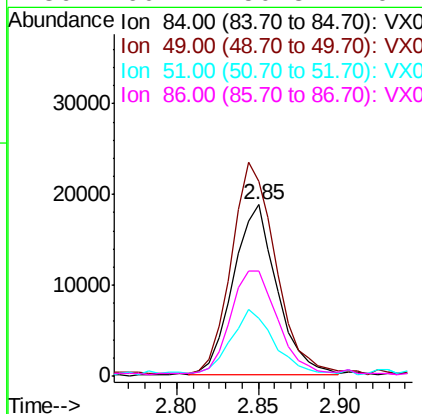
Manual Integrations
APPROVED

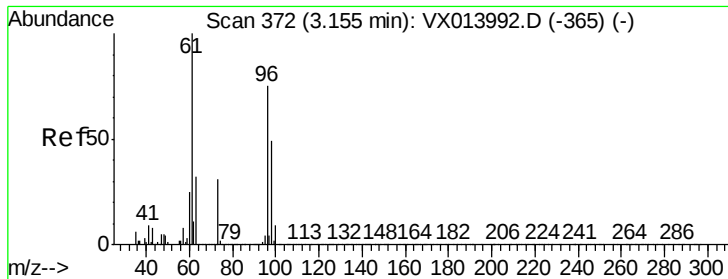
apatel
12/13/2019 11:25:36 AM



#18
Methylene Chloride
Concen: 5.409 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion:	84	Resp:	35302
Ion	Ratio	Lower	Upper
84	100		
49	113.1	102.2	153.2
51	32.2	31.4	47.0
86	60.1	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 4.622 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

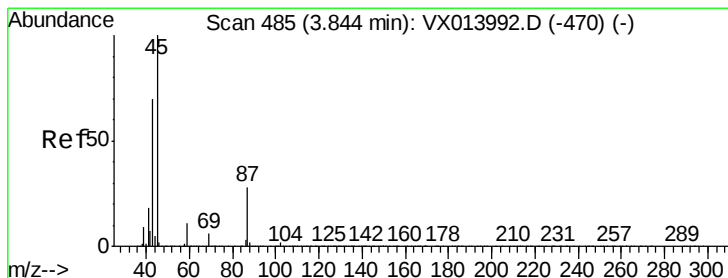
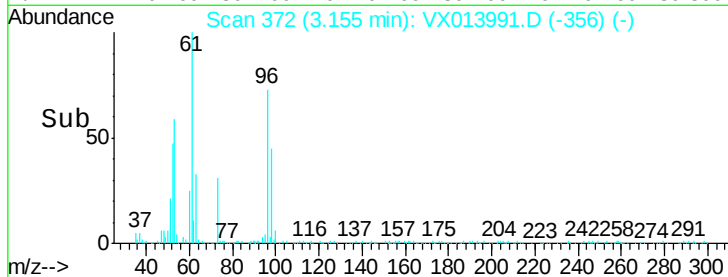
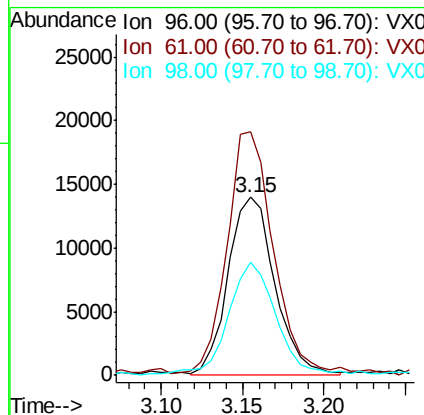
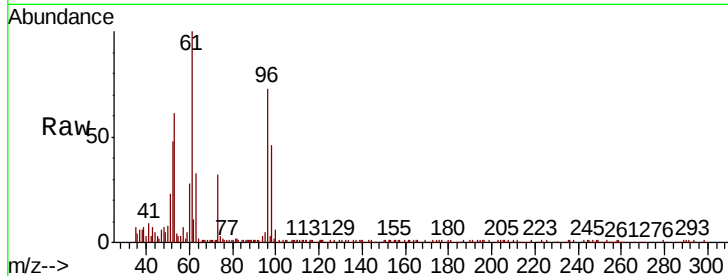
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	28029
Ion Ratio	Lower	Upper	
96	100		
61	136.0	106.6	159.8
98	61.9	51.6	77.4

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#20

Diisopropyl ether

Concen: 4.502 ug/l

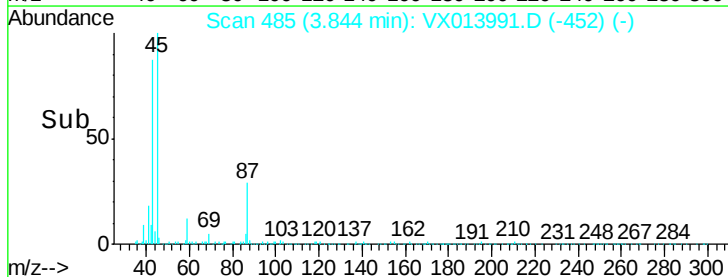
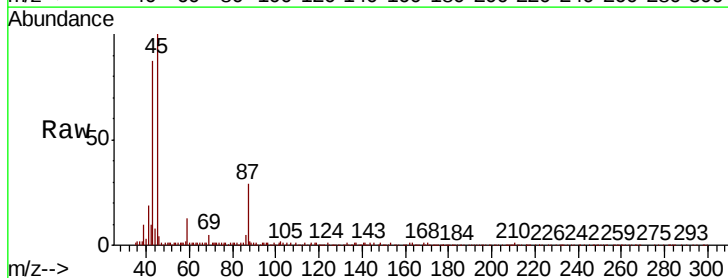
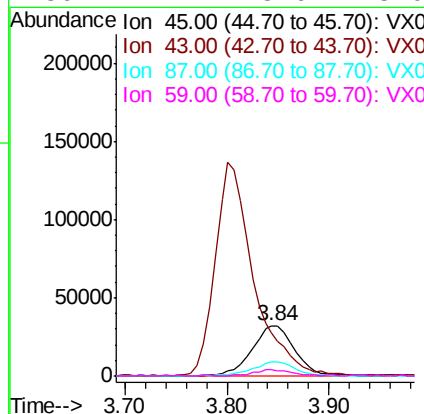
RT: 3.84 min Scan# 485

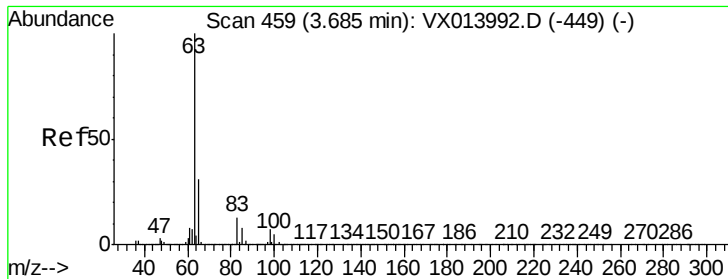
Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	45	Resp:	91080
Ion Ratio	Lower	Upper	
45	100		
43	81.1	55.9	83.9
87	28.9	22.2	33.2
59	11.7	8.6	13.0





#21

1,1-Dichloroethane

Concen: 4.643 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

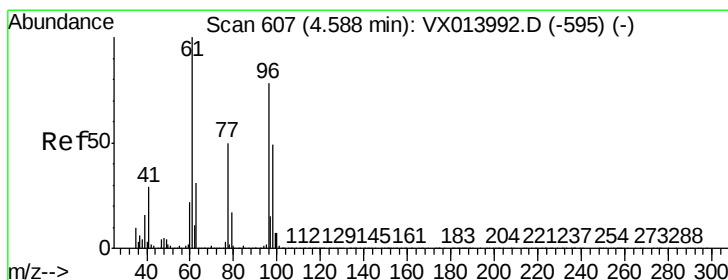
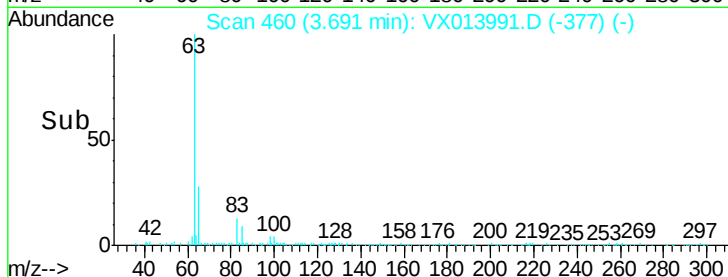
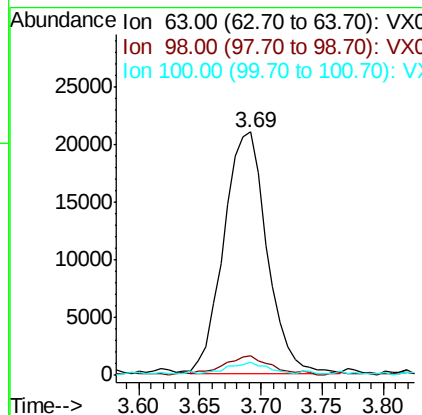
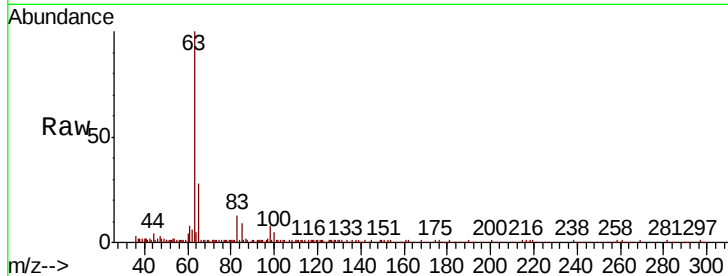
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	51010
Ion Ratio		Lower	Upper
63	100		
98	7.6	3.4	10.1
100	3.9	2.5	7.4

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#22

cis-1,2-Dichloroethene

Concen: 4.676 ug/l

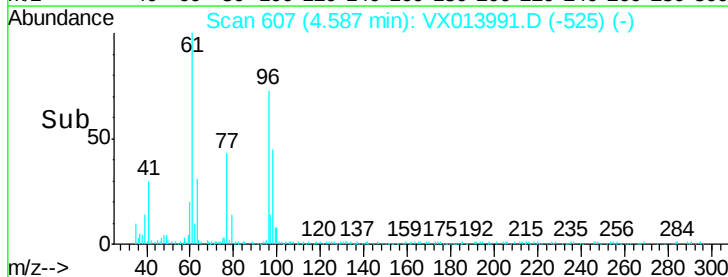
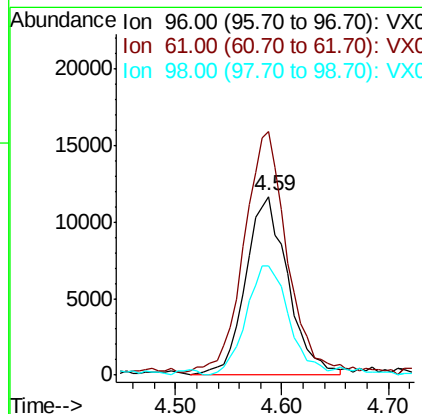
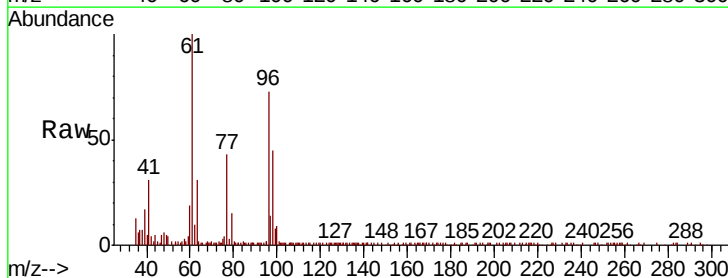
RT: 4.59 min Scan# 607

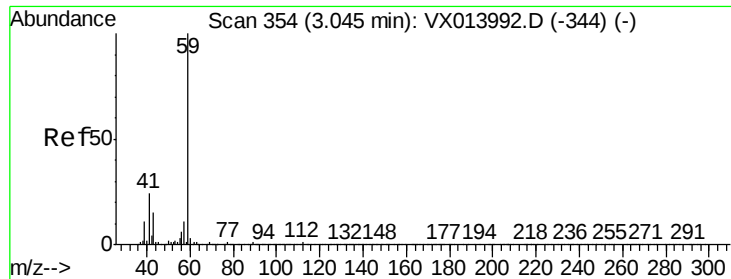
Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	96	Resp:	32478
Ion Ratio		Lower	Upper
96	100		
61	136.4	112.4	168.6
98	62.1	50.3	75.5





#23

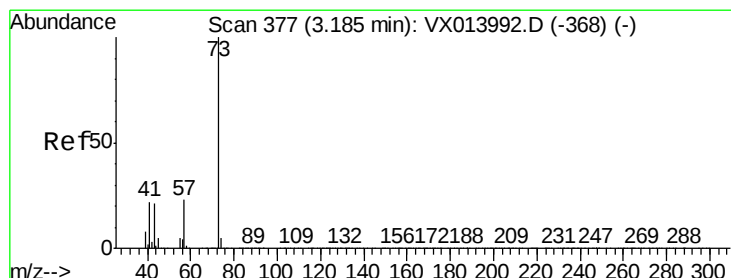
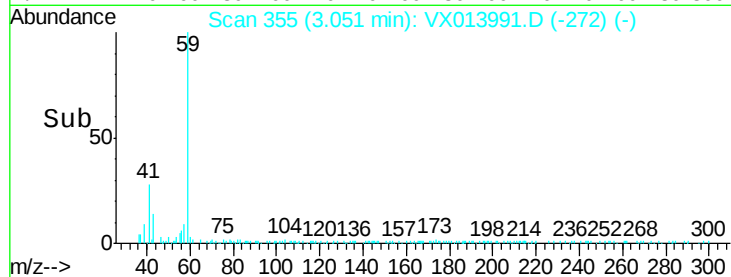
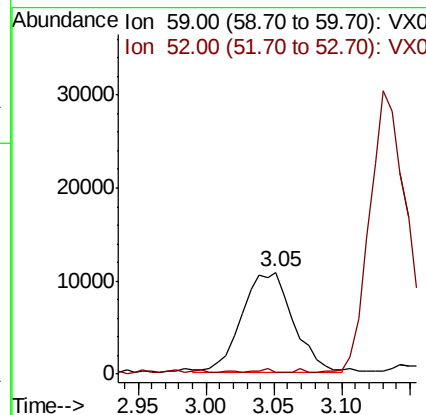
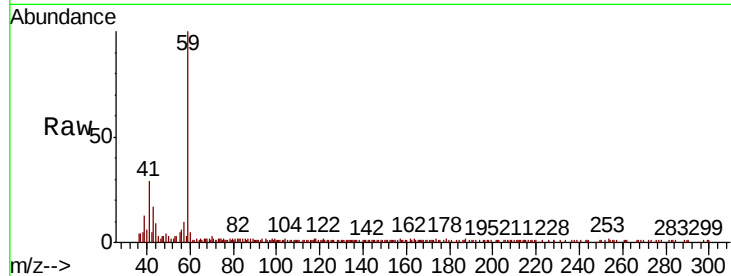
tert-Butyl Alcohol
 Concen: 16.689 ug/l
 RT: 3.05 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.6	0.2	0.2#

Manual Integrations
 APPROVED

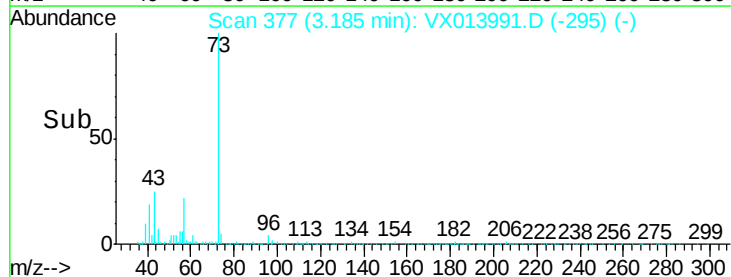
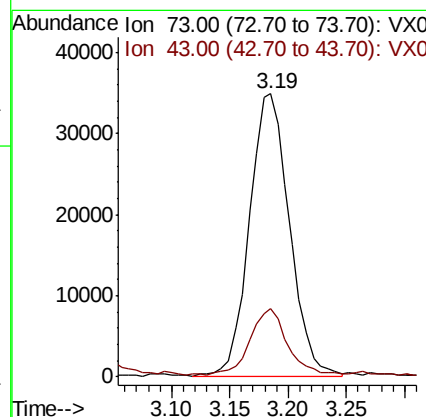
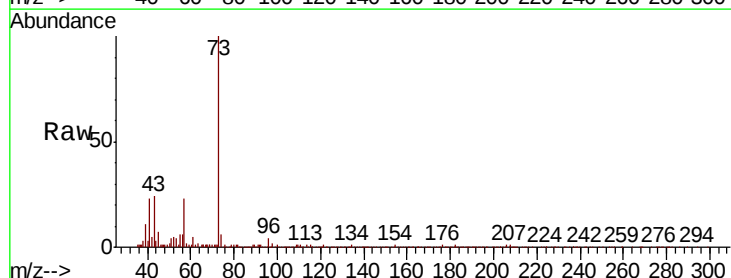
apatel
 12/13/2019 11:25:36 AM

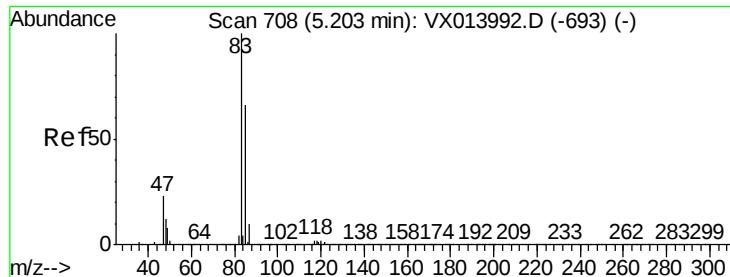


#24

Methyl tert-Butyl Ether
 Concen: 4.421 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.5	16.6	25.0





#25

Chloroform

Concen: 4.350 ug/l

RT: 5.20 min Scan# 708

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 46636

Ion Ratio Lower Upper

83 100

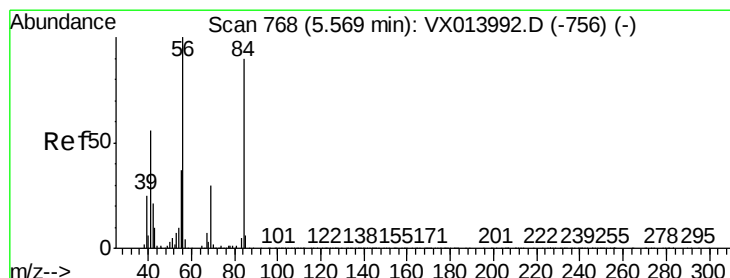
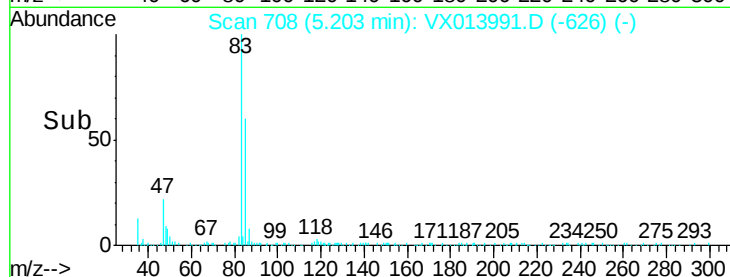
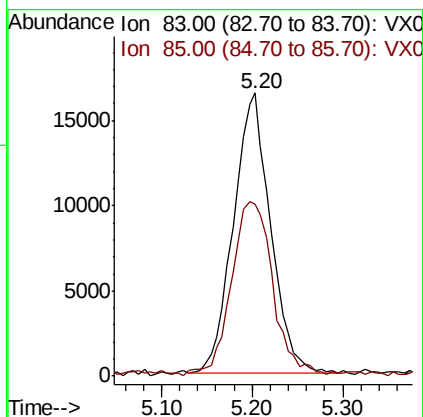
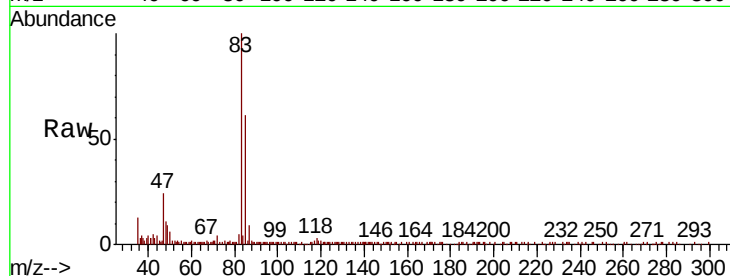
85 59.5 52.7 79.1

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:36 AM



#26

Cyclohexane

Concen: 4.301 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

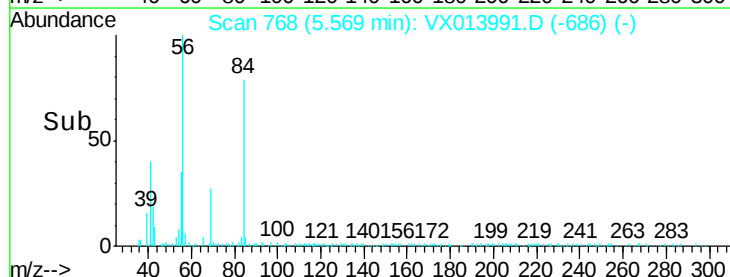
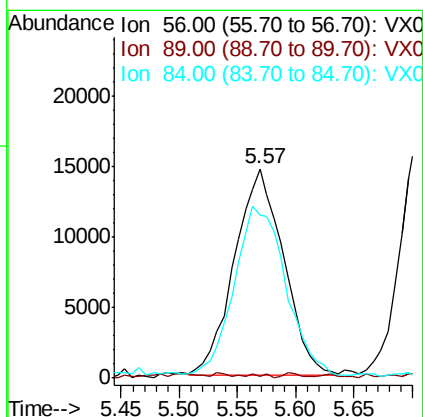
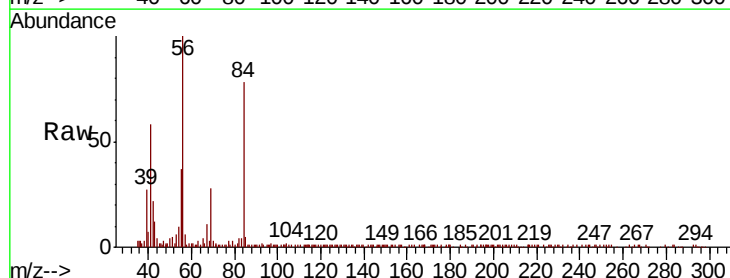
Tgt Ion: 56 Resp: 42942

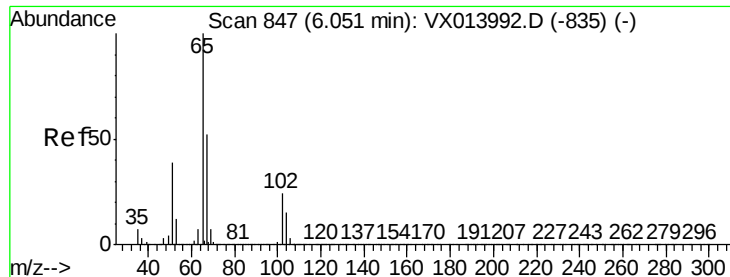
Ion Ratio Lower Upper

56 100

89 0.2 0.1 0.1#

84 85.4 70.8 106.2





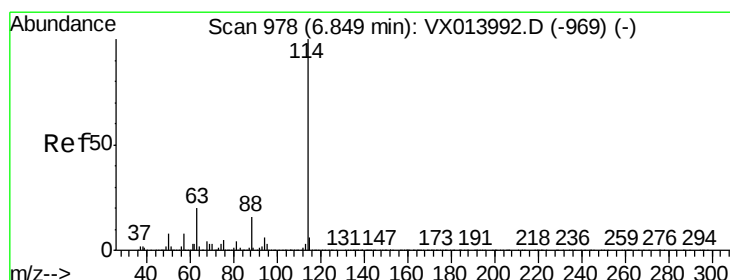
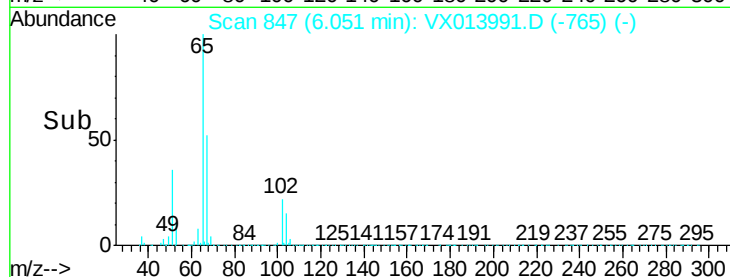
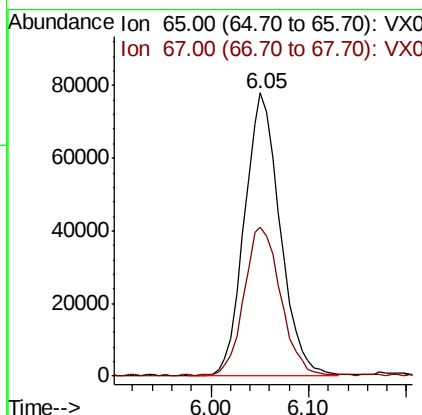
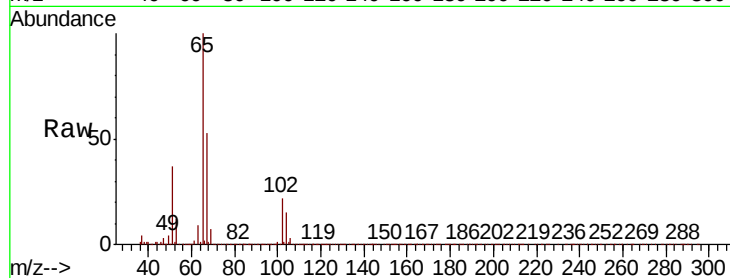
#27
 1,2-Dichloroethane-d4
 Concen: 28.883 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	43.1	64.7

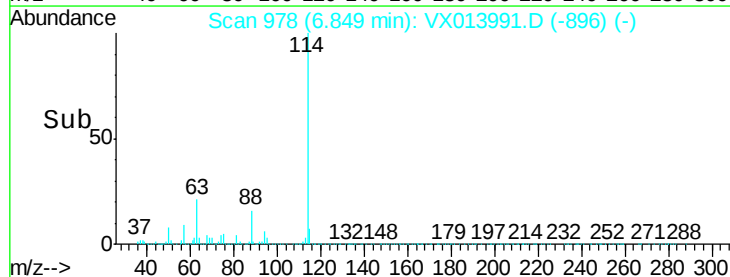
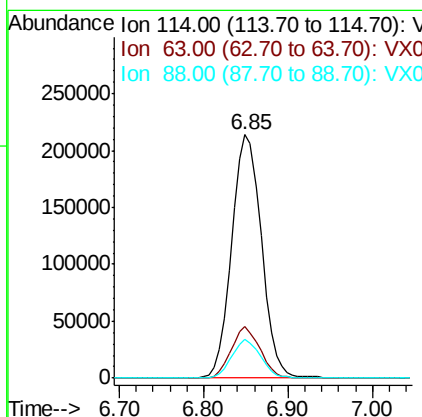
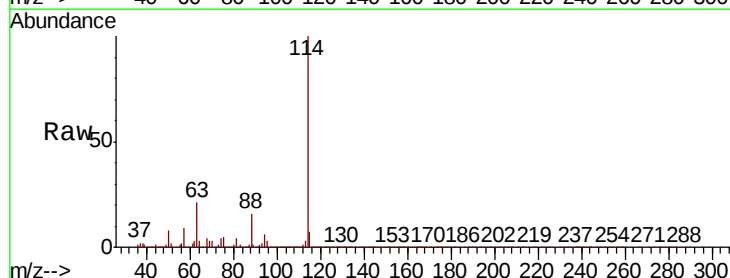
Manual Integrations
 APPROVED

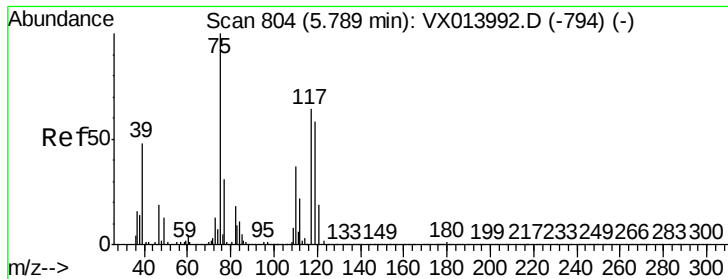
apatel
 12/13/2019 11:25:36 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.1	24.1
88	15.1	12.5	18.7





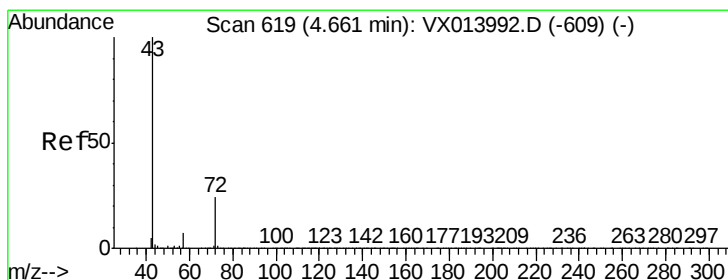
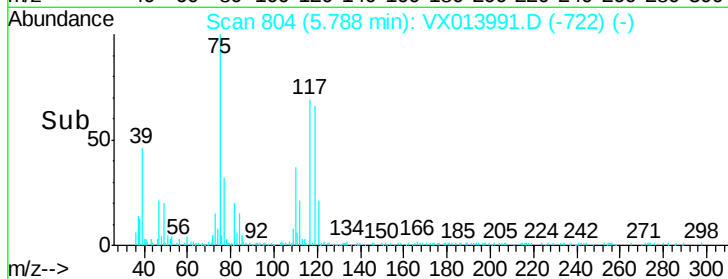
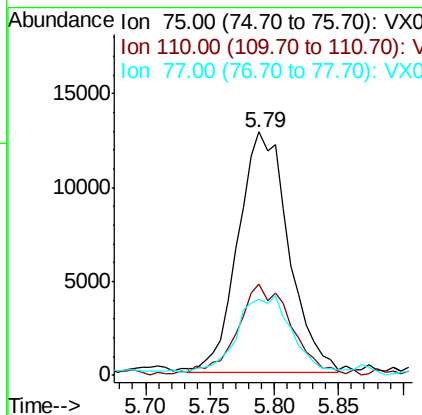
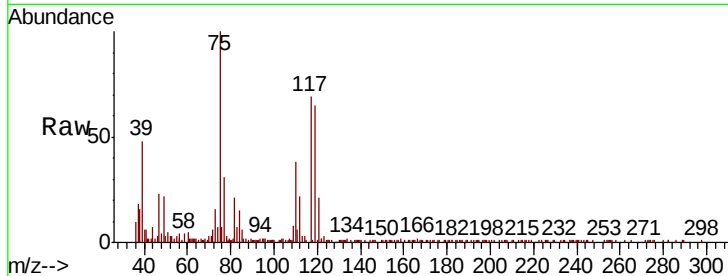
#29
 1,1-Dichloropropene
 Concen: 4.490 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	75	Resp:	35025
Ion Ratio	Lower	Upper	
75	100		
110	22.5	0.0	73.8
77	19.9	0.0	62.4

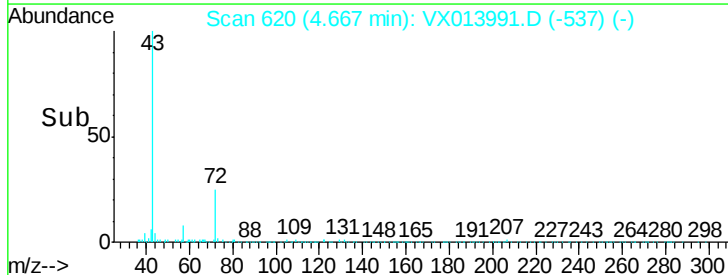
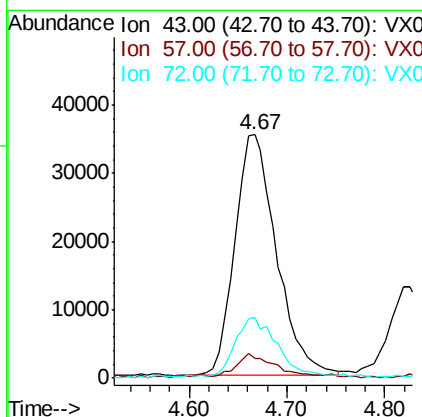
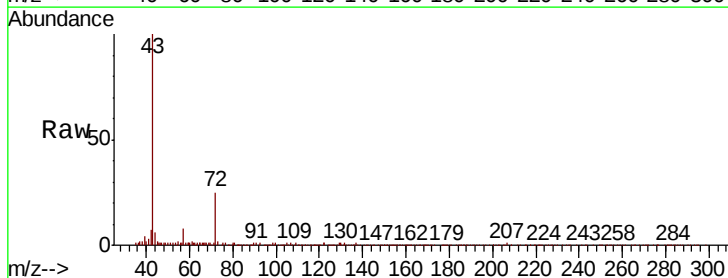
Manual Integrations
 APPROVED

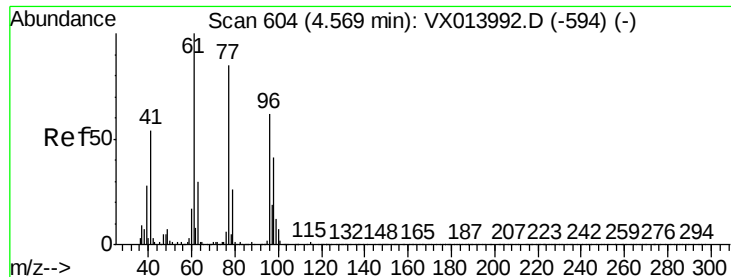
apatel
 12/13/2019 11:25:36 AM



#30
 2-Butanone
 Concen: 21.060 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion:	43	Resp:	104753
Ion Ratio	Lower	Upper	
43	100		
57	7.7	6.2	9.2
72	23.2	20.3	30.5





#31

2,2-Dichloropropane

Concen: 3.873 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 31676

Ion Ratio Lower Upper

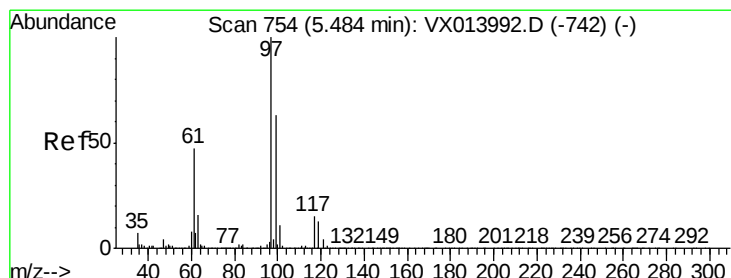
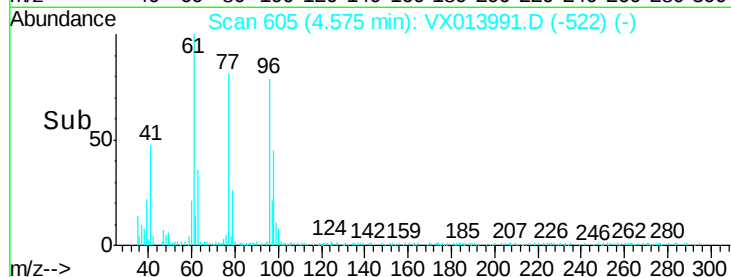
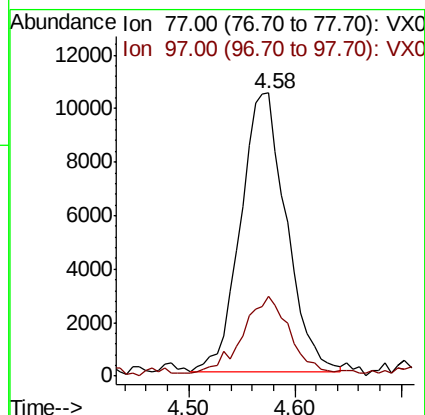
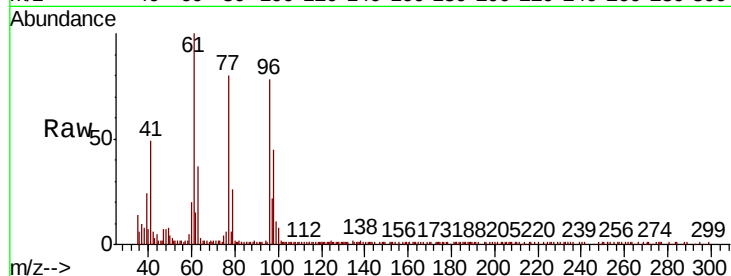
77 100

97 28.9 19.7 29.5

Manual Integrations
APPROVED

apatel

12/13/2019 11:25:36 AM



#32

1,1,1-Trichloroethane

Concen: 4.581 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

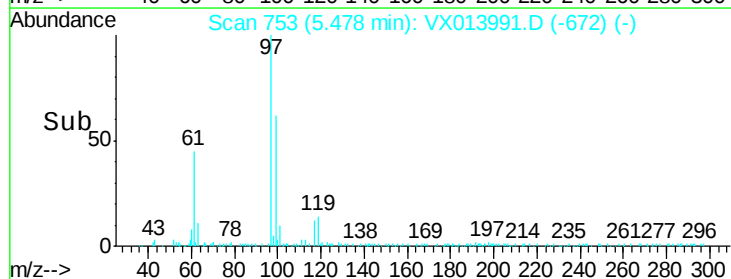
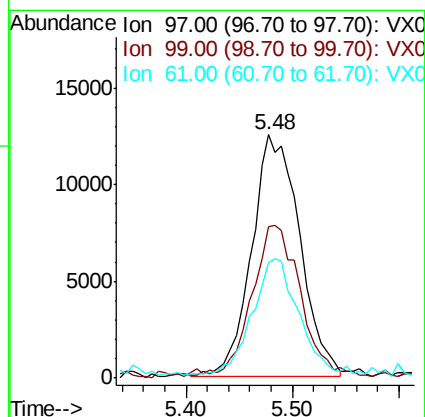
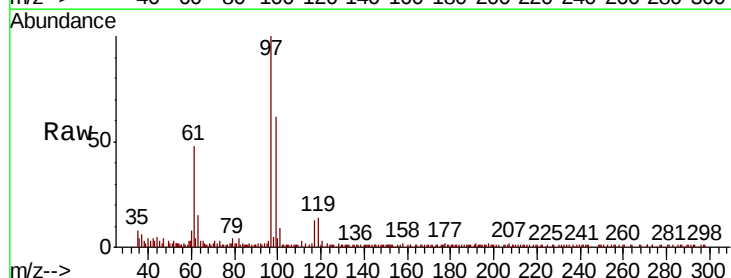
Tgt Ion: 97 Resp: 39444

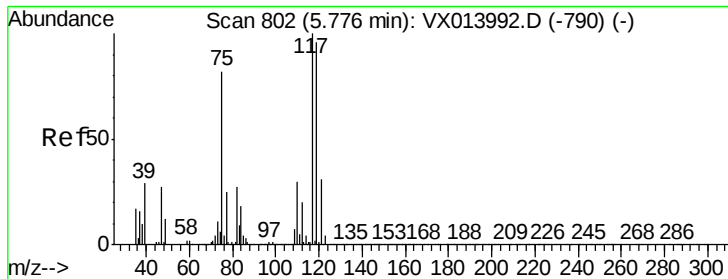
Ion Ratio Lower Upper

97 100

99 61.7 51.9 77.9

61 45.3 36.8 55.2





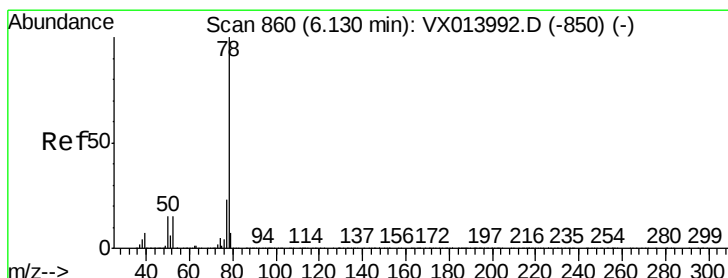
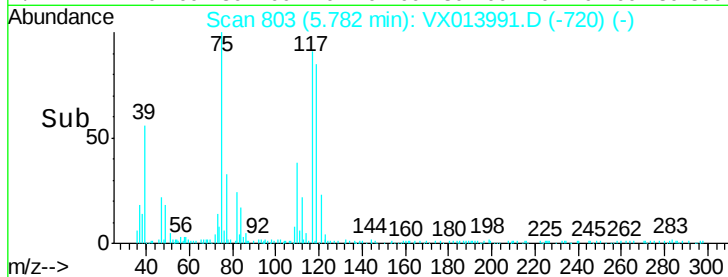
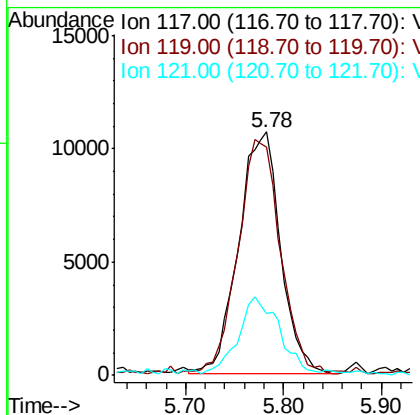
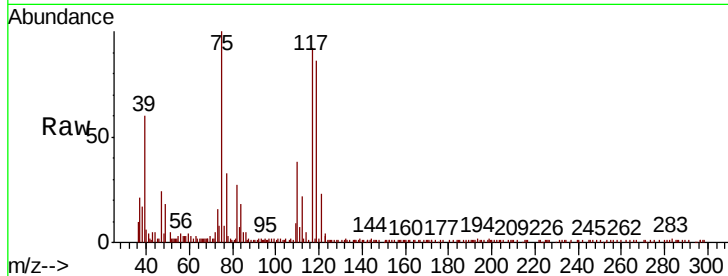
#33
Carbon Tetrachloride
Concen: 4.260 ug/l
RT: 5.78 min Scan# 803
Delta R.T. 0.01 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.2	115.8
121	24.2	24.8	37.2#

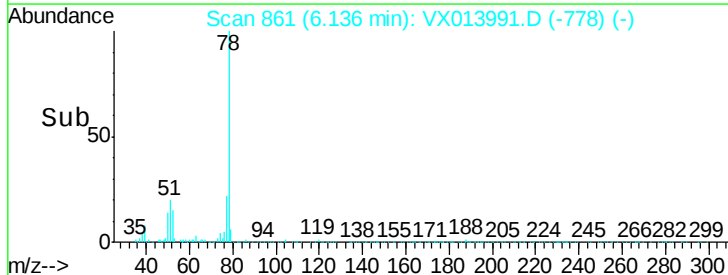
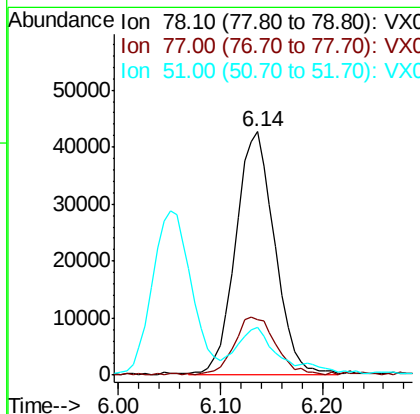
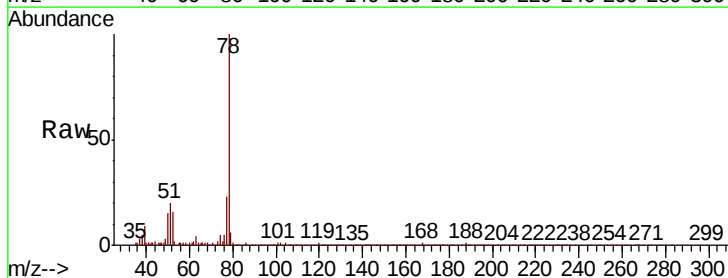
Manual Integrations
APPROVED

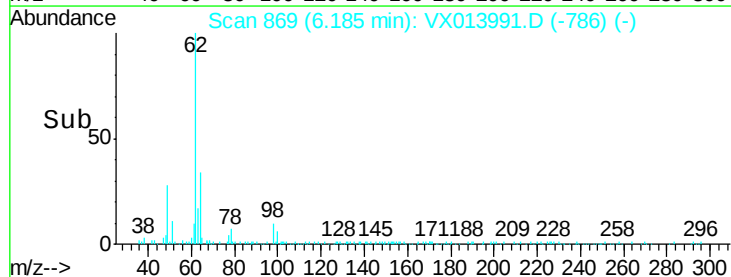
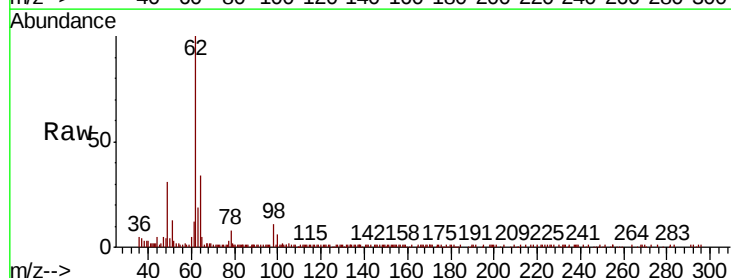
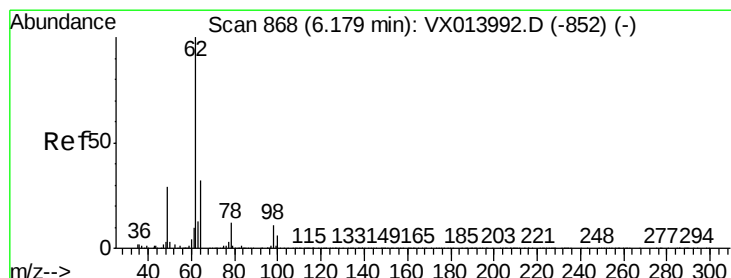
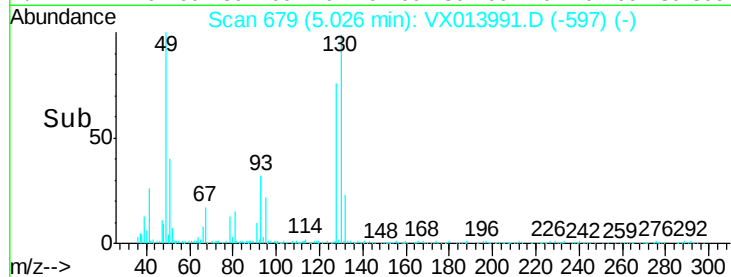
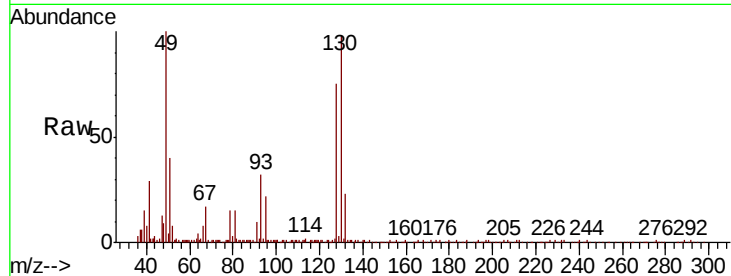
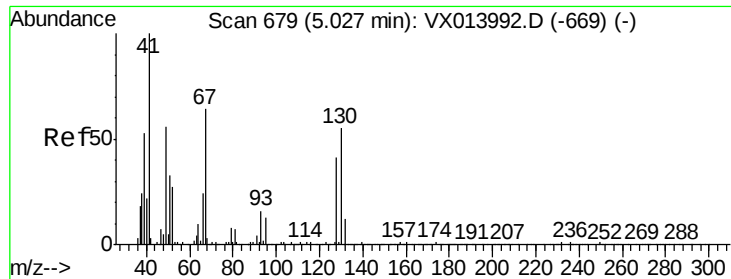
apatel
12/13/2019 11:25:36 AM



#34
Benzene
Concen: 4.725 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

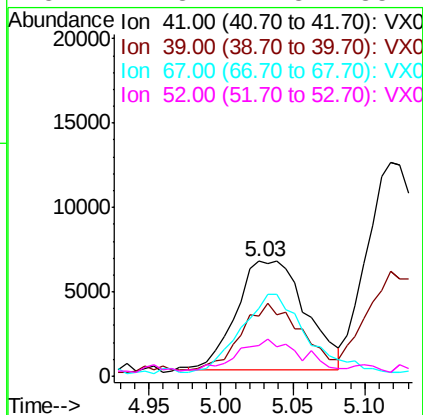
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.2	27.2
51	18.5	12.4	18.6





#35
Methacrylonitrile
Concen: 4.214 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.8	26.7	80.1
67	60.1	31.5	94.5
52	22.3	12.8	38.4



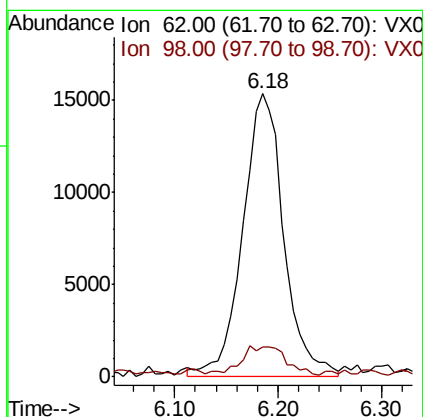
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

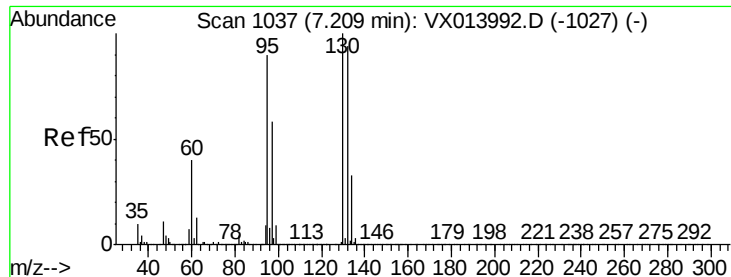
Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM

#36
1,2-Dichloroethane
Concen: 5.139 ug/l m
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.4	12.6#





#37

Trichloroethene

Concen: 4.954 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 31595

Ion Ratio Lower Upper

130 100

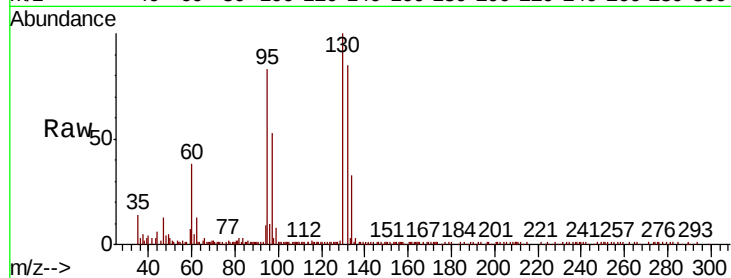
95 81.1 71.7 107.5

Manual Integrations

APPROVED

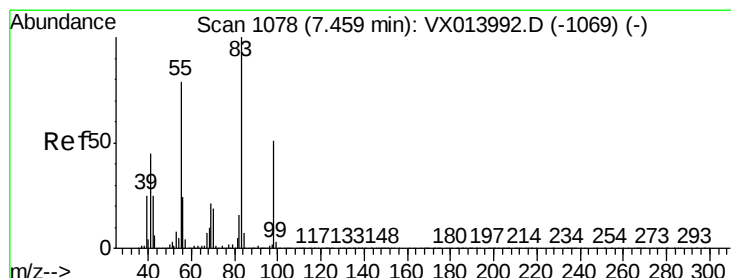
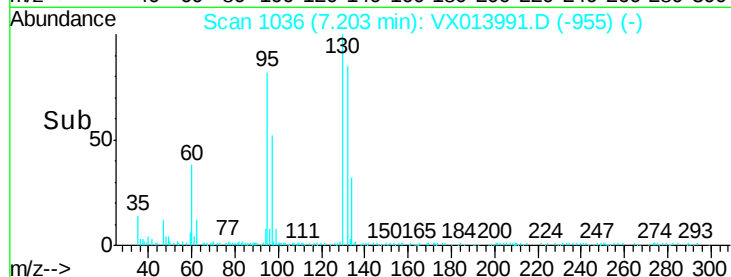
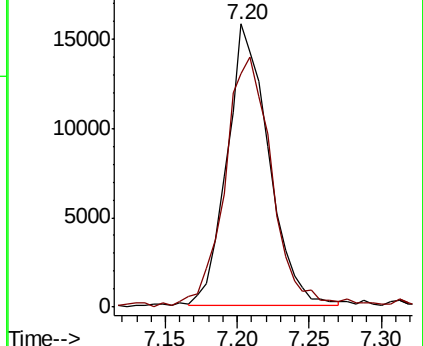
apatel

12/13/2019 11:25:36 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 4.191 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

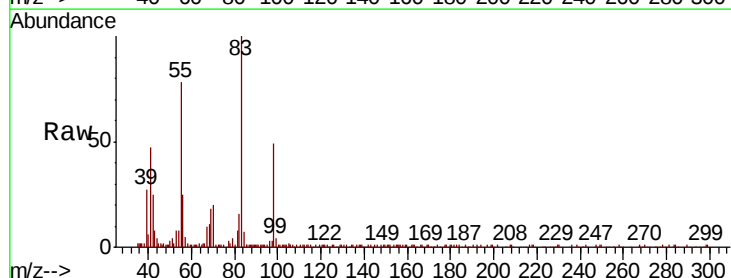
Tgt Ion: 83 Resp: 39756

Ion Ratio Lower Upper

83 100

55 79.6 39.4 118.1

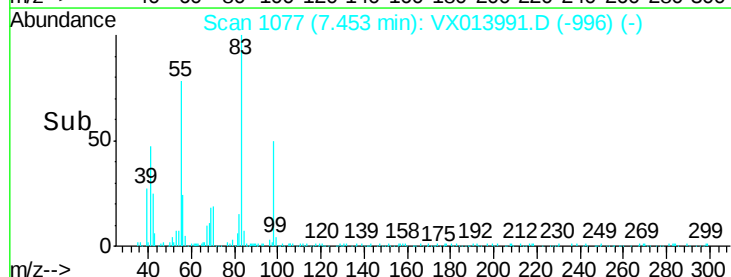
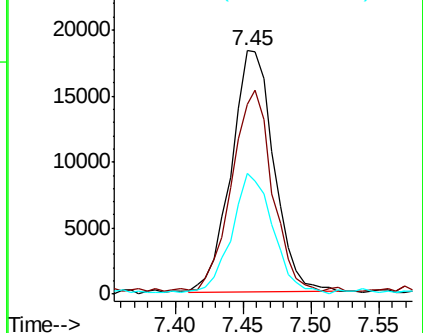
98 49.1 25.1 75.3

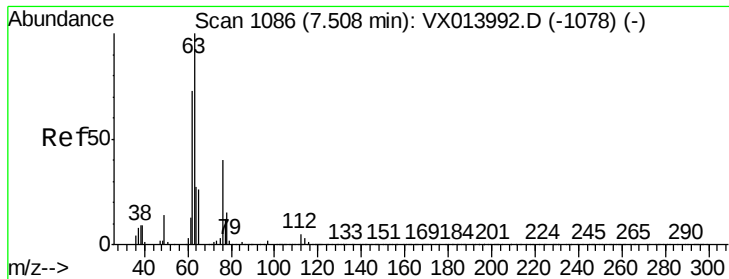


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





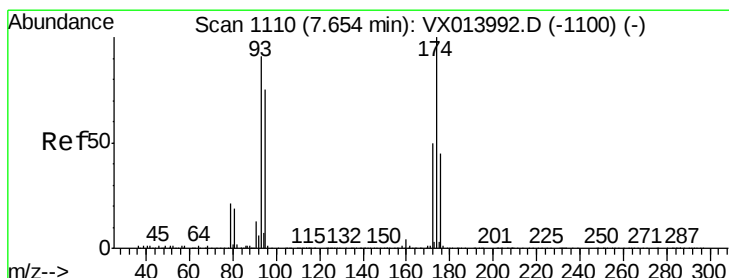
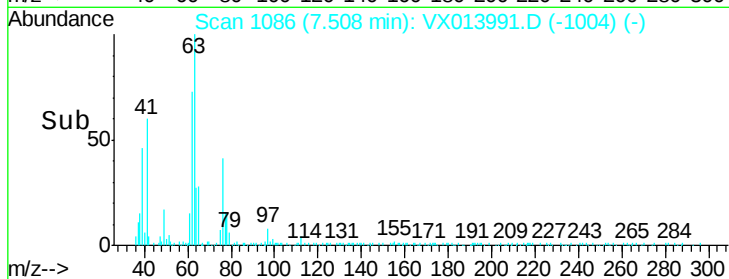
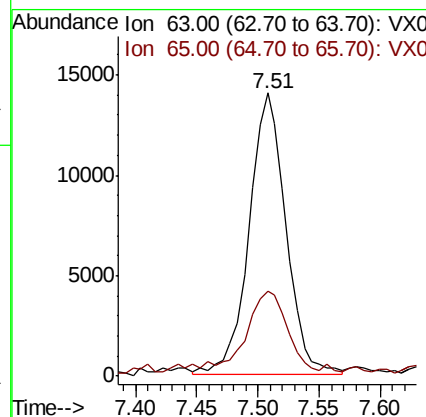
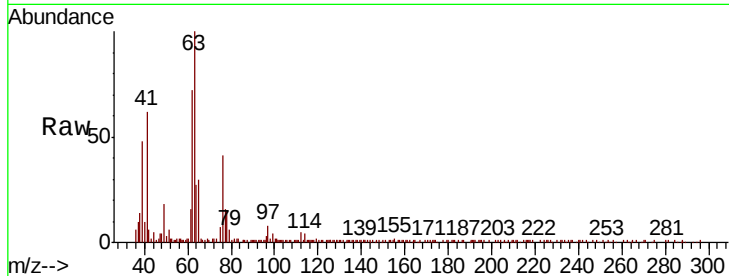
#39
 1,2-Dichloropropane
 Concen: 4.780 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.9	22.1	33.1

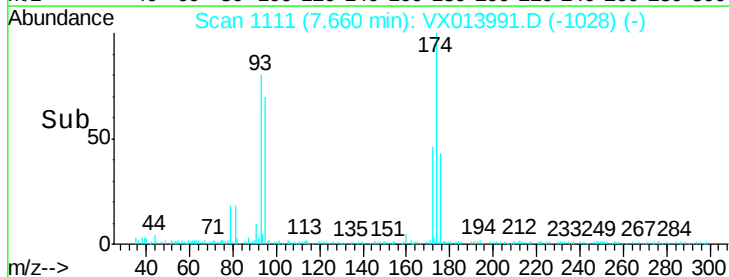
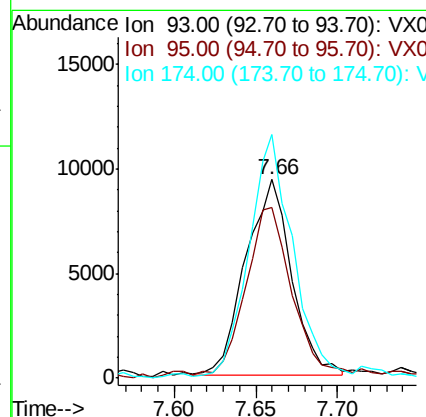
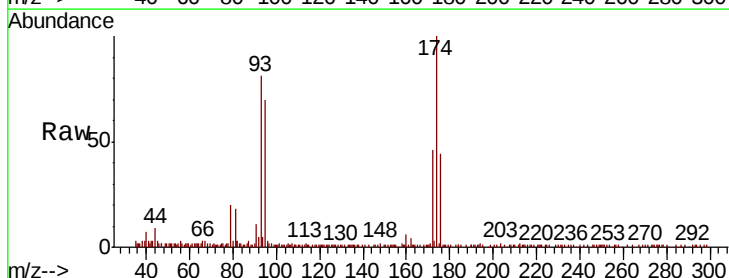
Manual Integrations
 APPROVED

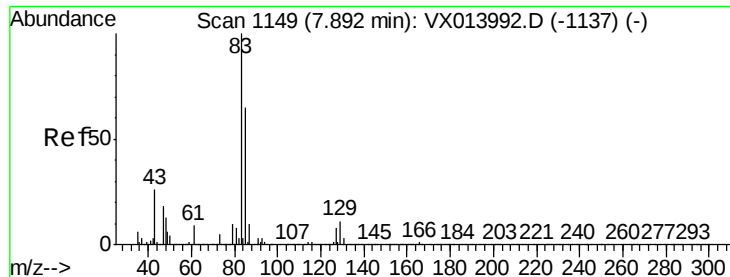
apatel
 12/13/2019 11:25:36 AM



#40
 Dibromomethane
 Concen: 4.556 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	0.0	164.4
174	116.6	0.0	228.8





#41

Bromodichloromethane

Concen: 4.200 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

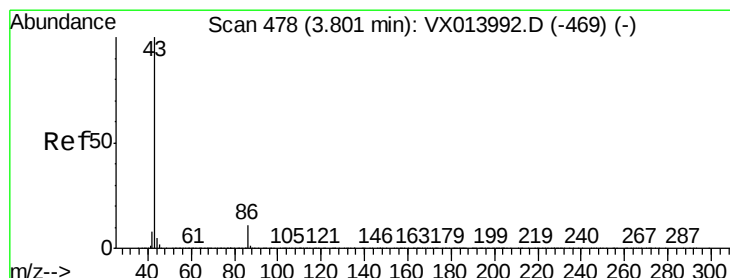
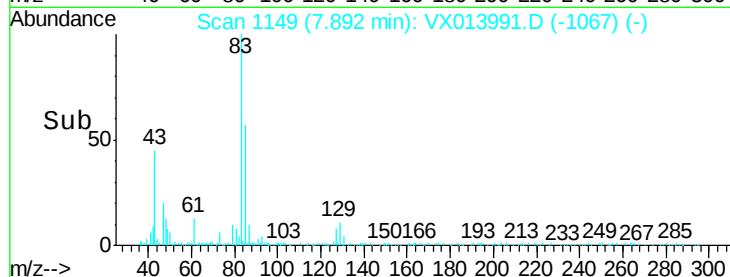
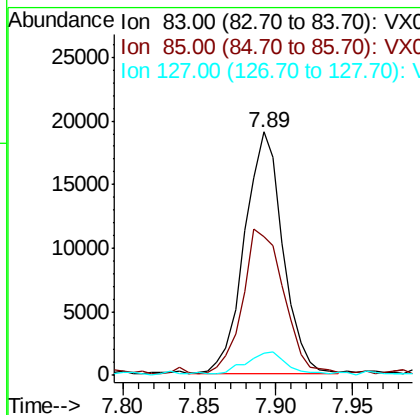
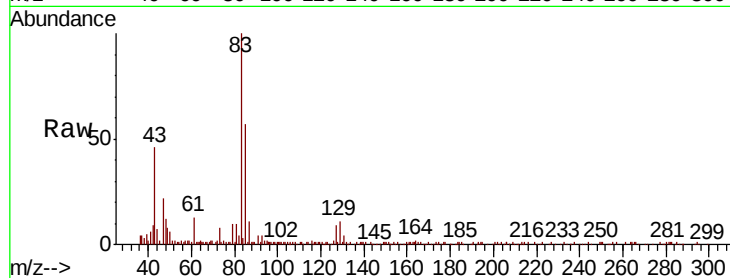
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	32981
Ion Ratio	Lower	Upper	
83	100		
85	56.1	51.6	77.4
127	8.3	6.0	9.0

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#42

Vinyl Acetate

Concen: 22.103 ug/l

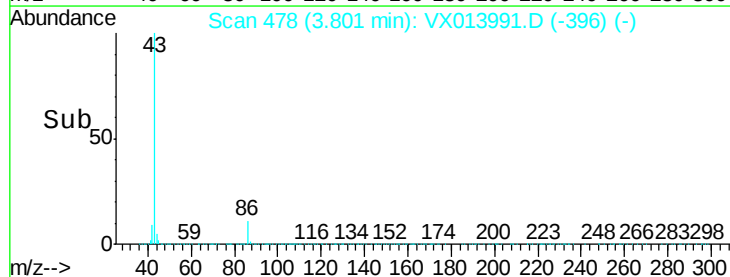
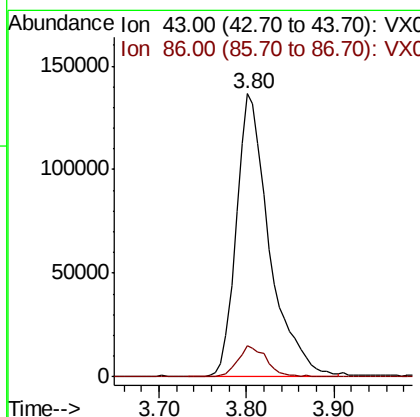
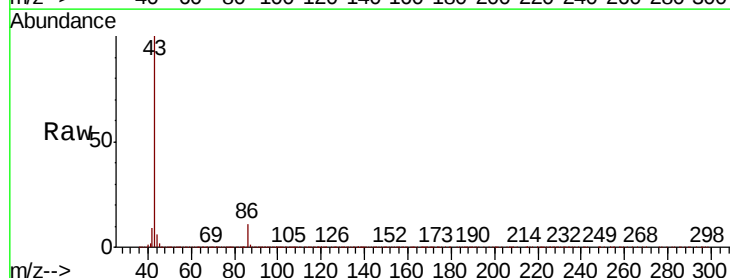
RT: 3.80 min Scan# 478

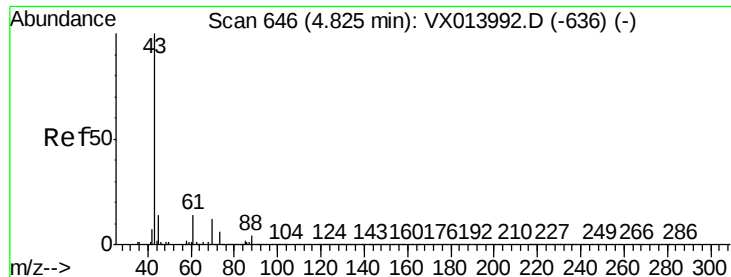
Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	43	Resp:	358214
Ion Ratio	Lower	Upper	
43	100		
86	9.6	7.7	11.5





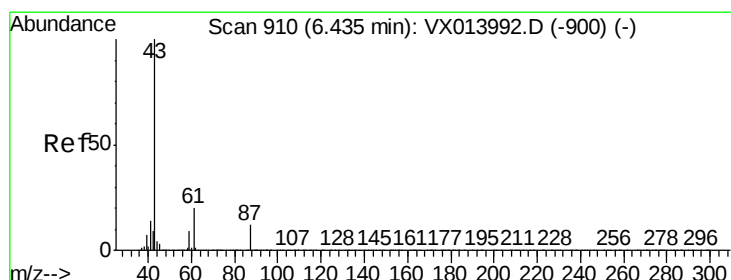
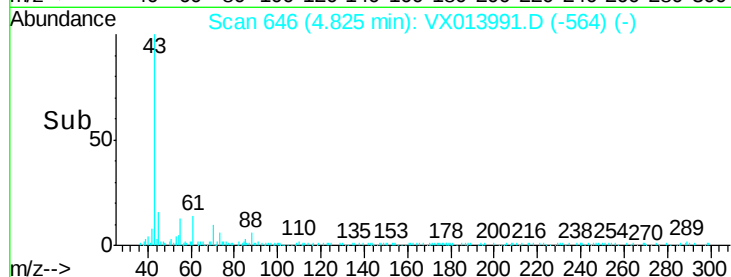
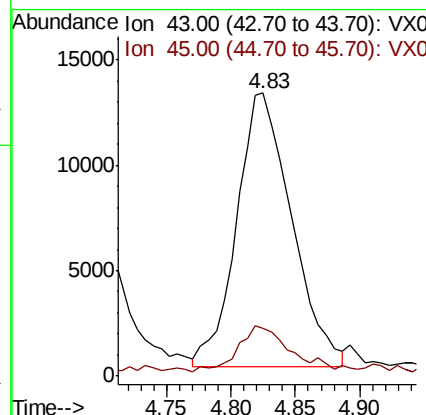
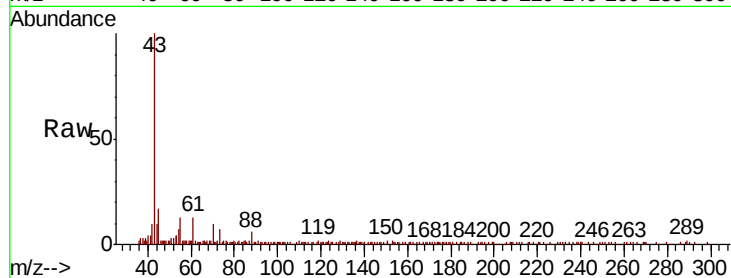
#43
Ethyl Acetate
Concen: 4.174 ug/l
RT: 4.83 min Scan# 646
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
45	13.5	11.8	17.8

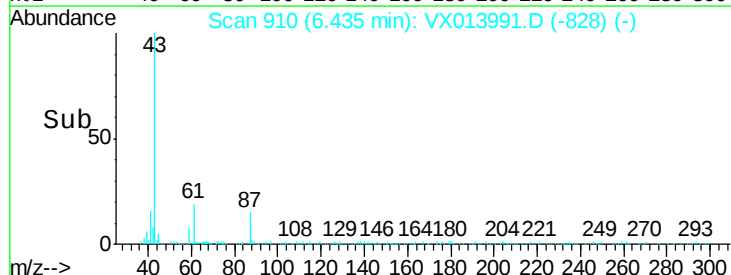
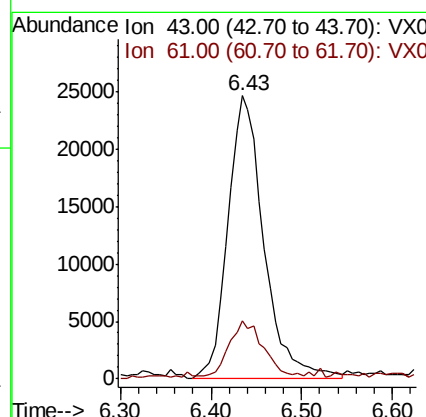
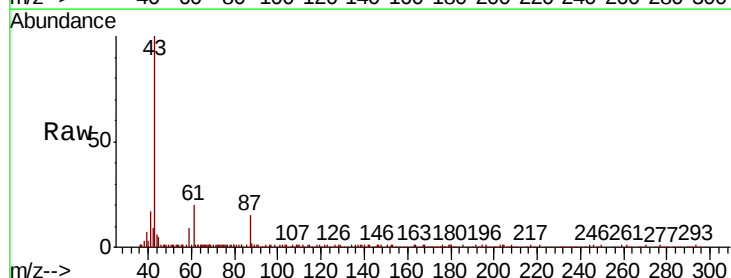
Manual Integrations
APPROVED

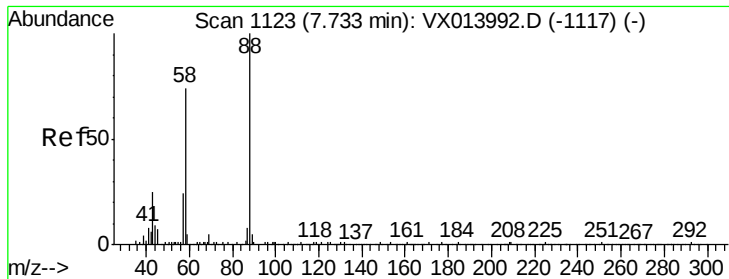
apatel
12/13/2019 11:25:36 AM



#44
Isopropyl Acetate
Concen: 4.544 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.9	23.9





#45

1,4-Dioxane

Concen: 72.136 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

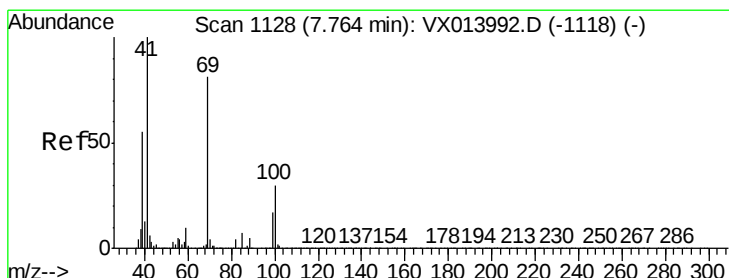
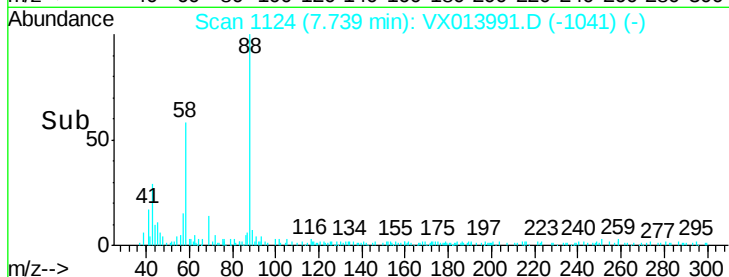
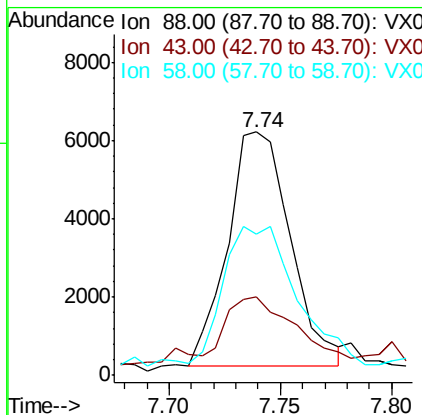
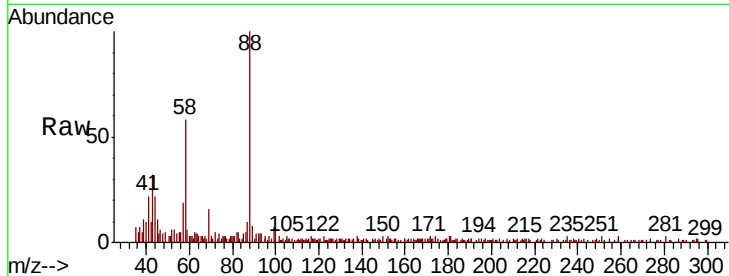
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	11738
Ion	Ratio	Lower	Upper
88	100		
43	26.4	25.4	38.2
58	71.8	56.5	84.7

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#46

Methyl methacrylate

Concen: 3.995 ug/l

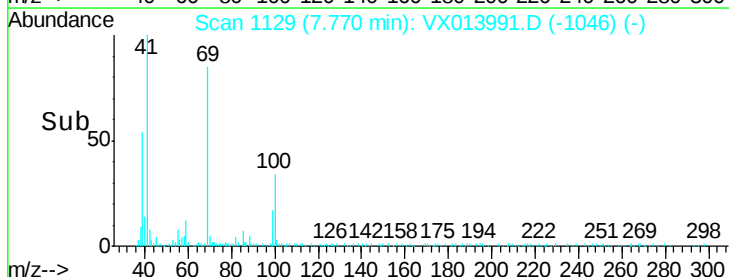
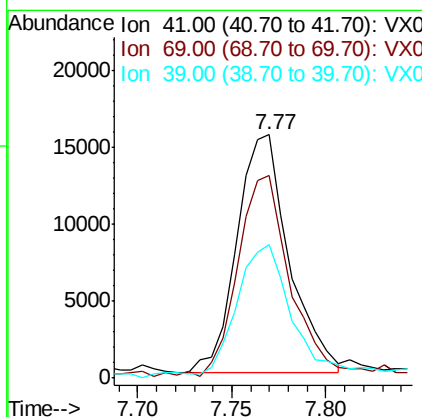
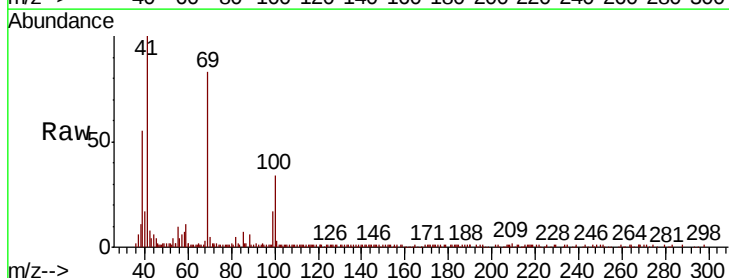
RT: 7.77 min Scan# 1129

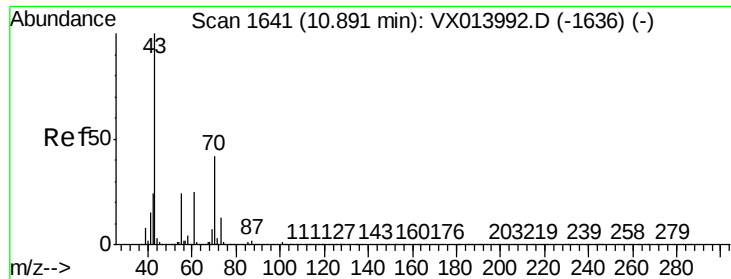
Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	41	Resp:	29731
Ion	Ratio	Lower	Upper
41	100		
69	82.2	40.6	122.0
39	54.0	27.8	83.3





#47

n-amvl Acetate

Concen: 3.787 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 49964

Ion Ratio Lower Upper

43 100

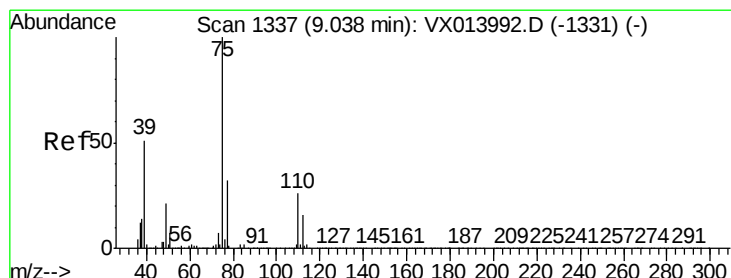
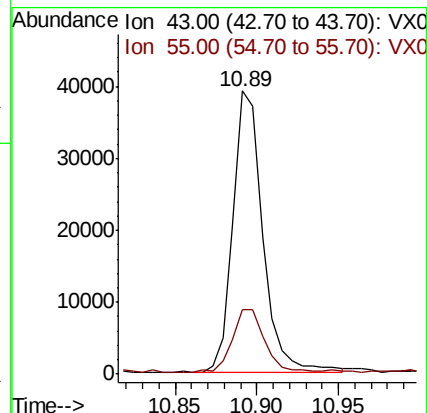
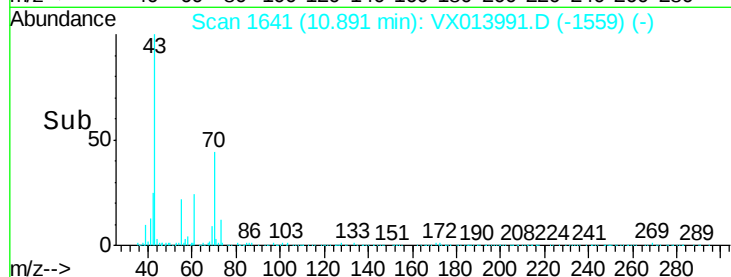
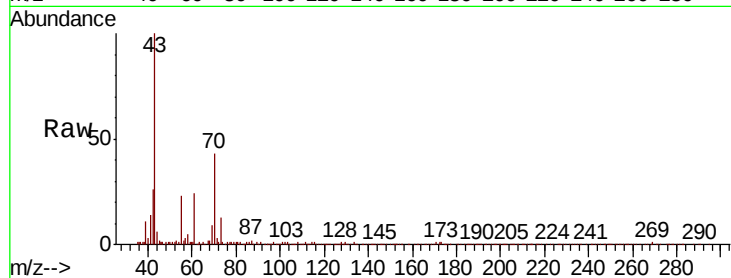
55 24.1 19.4 29.2

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:36 AM



#48

t-1,3-Dichloropropene

Concen: 3.792 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013991.D

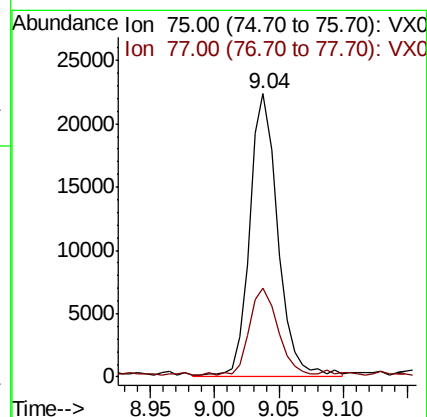
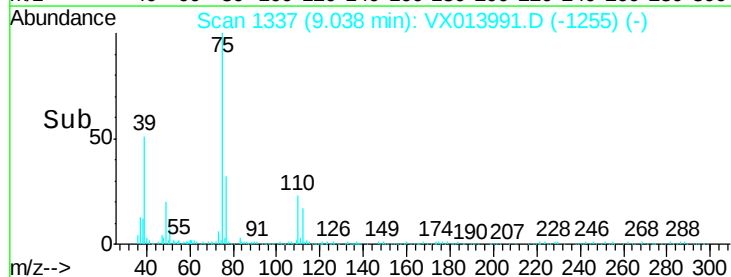
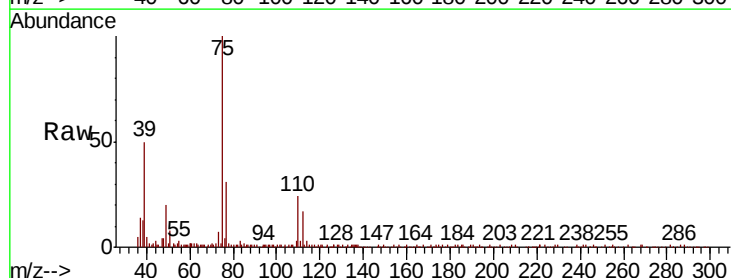
Acq: 12 Dec 2019 22:11

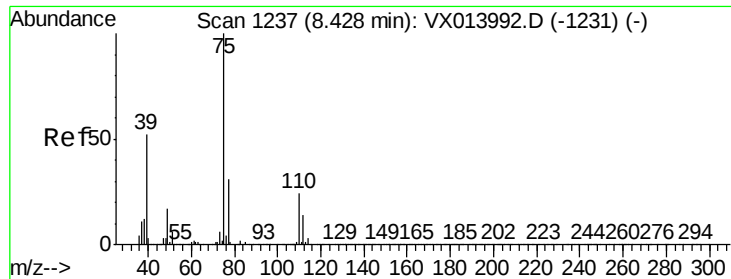
Tgt Ion: 75 Resp: 33314

Ion Ratio Lower Upper

75 100

77 30.6 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 4.049 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013991.D

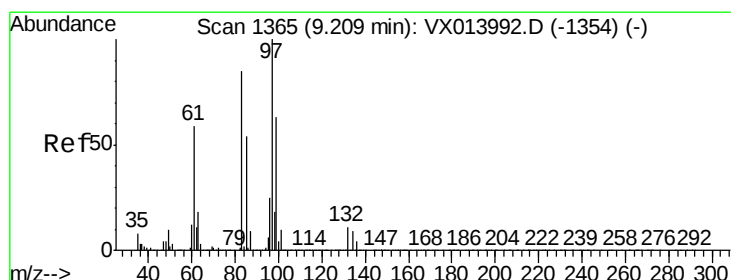
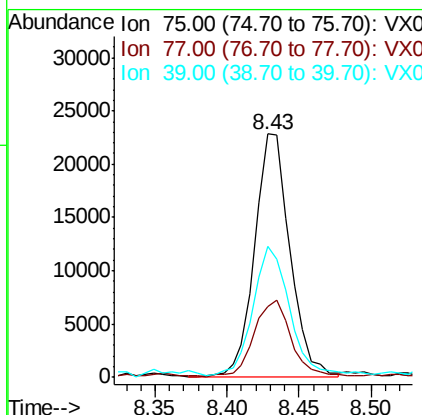
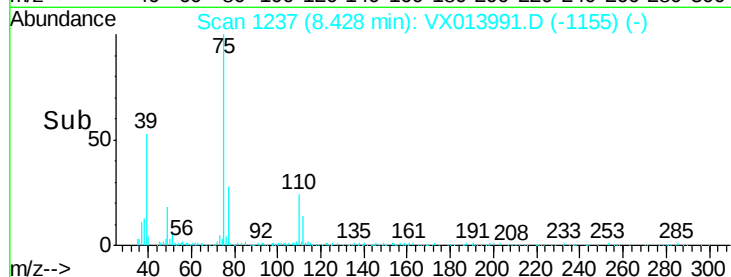
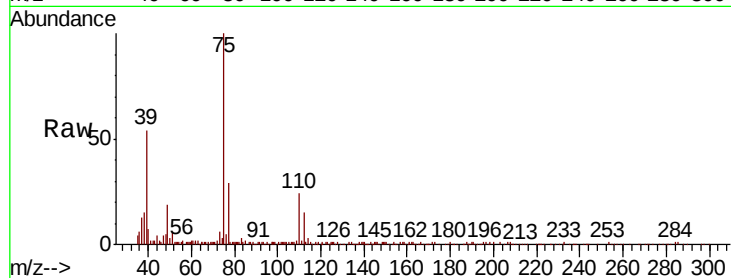
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.0	24.8	37.2
39	51.7	41.1	61.7

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#50

1,1,2-Trichloroethane

Concen: 4.841 ug/l

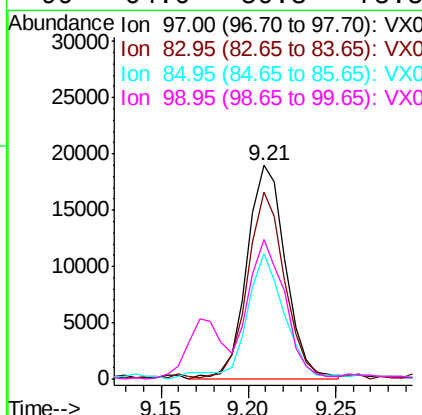
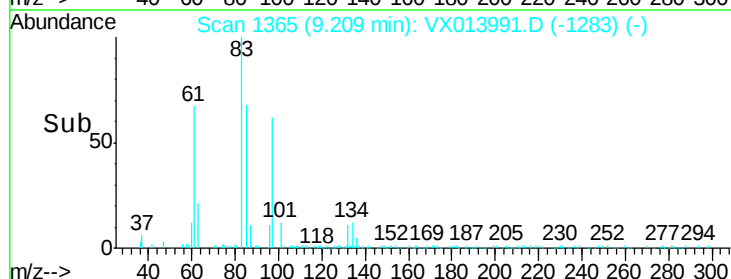
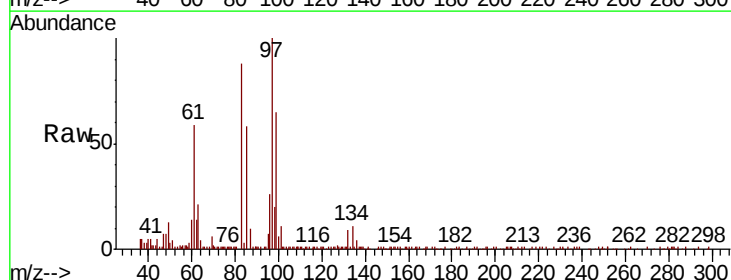
RT: 9.21 min Scan# 1365

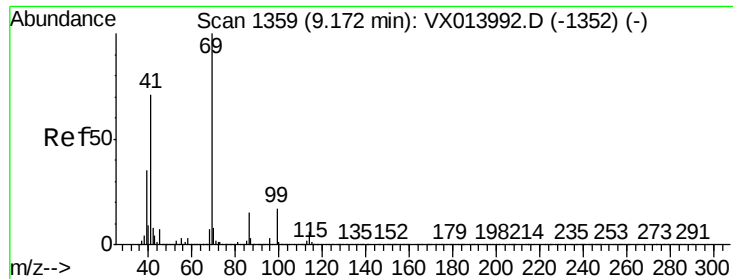
Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.1	102.1
85	56.7	42.7	64.1
99	64.0	50.3	75.5





#51

Ethyl methacrylate

Concen: 4.070 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

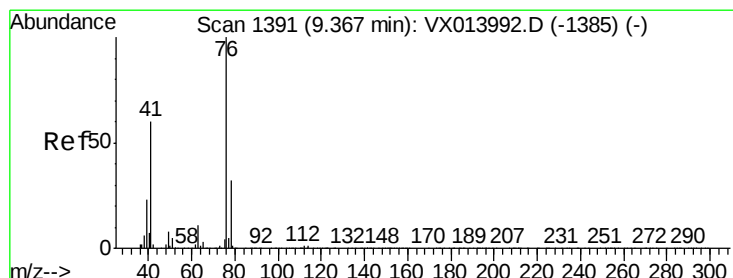
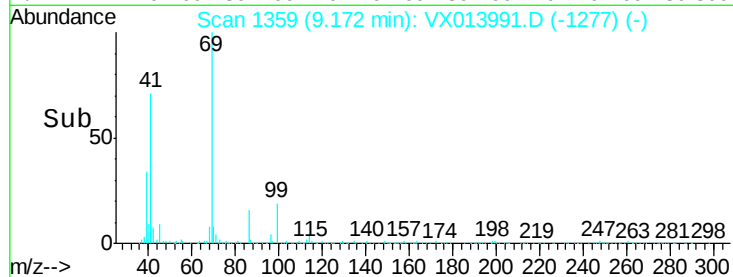
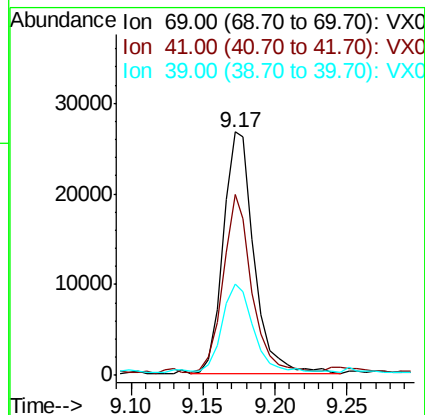
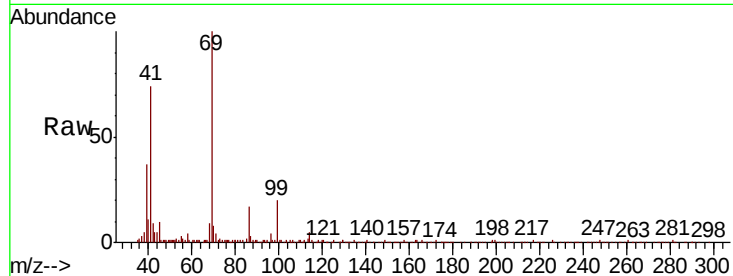
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	40313
Ion	Ratio	Lower	Upper
69	100		
41	72.4	35.4	106.1
39	36.2	17.8	53.3

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#52

1,3-Dichloropropane

Concen: 4.730 ug/l

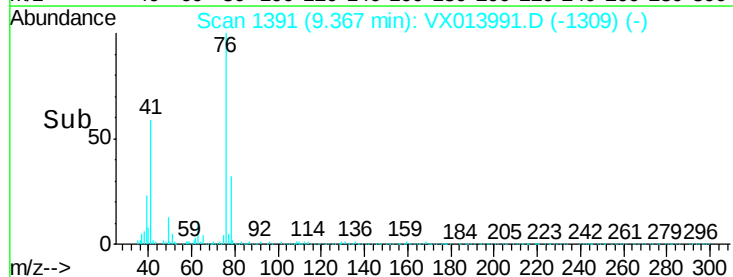
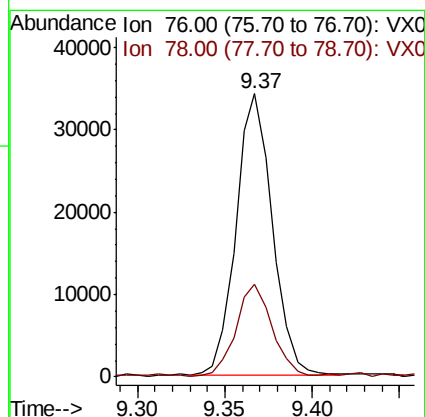
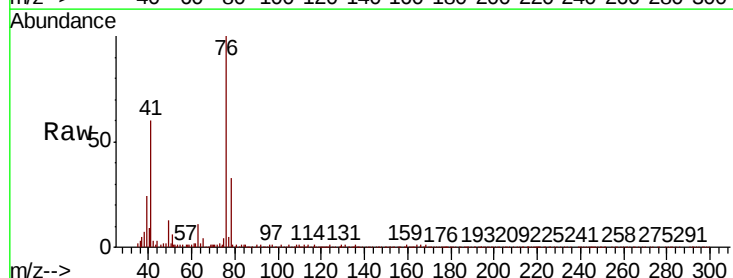
RT: 9.37 min Scan# 1391

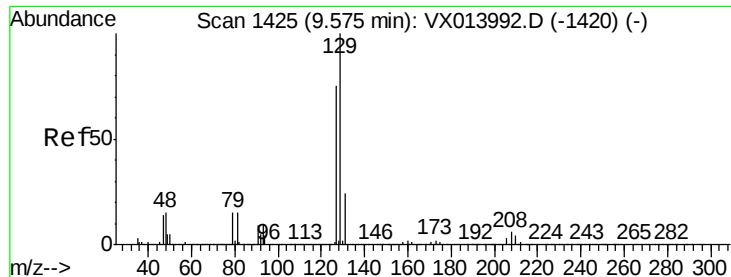
Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	76	Resp:	48817
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4





#53

Dibromochloromethane

Concen: 3.738 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 23628

Ion Ratio Lower Upper

129 100

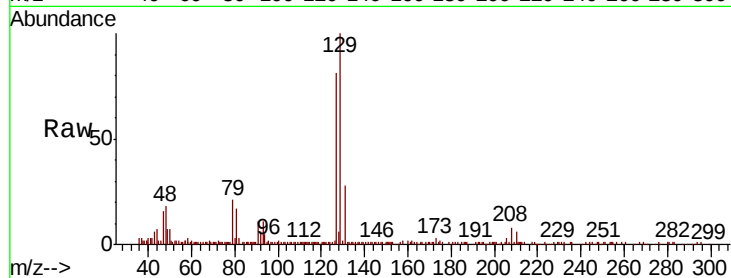
127 83.2 39.1 117.5

Manual Integrations

APPROVED

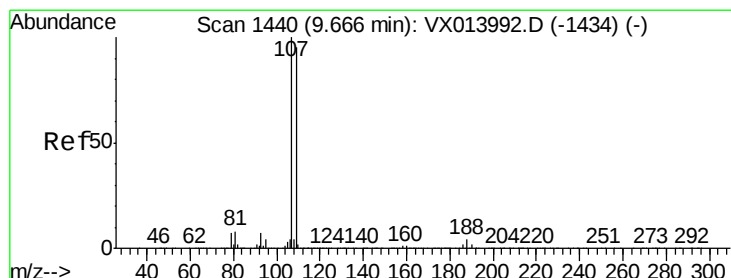
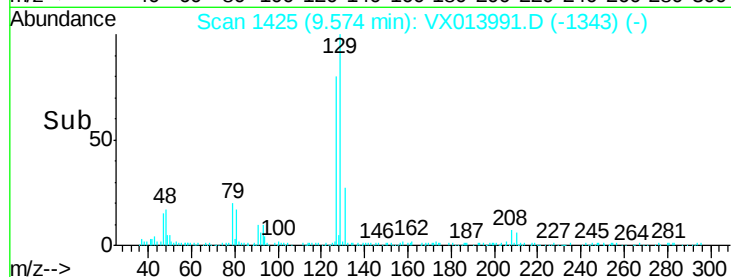
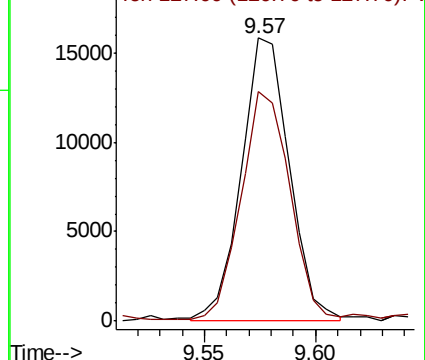
apatel

12/13/2019 11:25:36 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.454 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013991.D

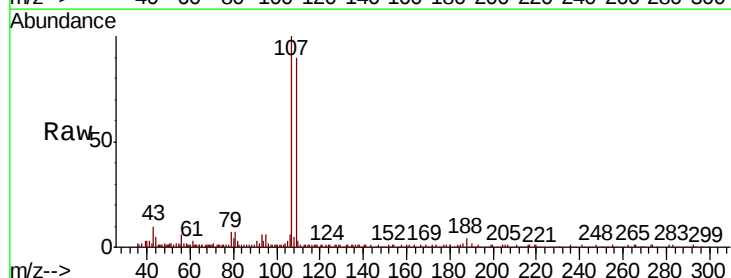
Acq: 12 Dec 2019 22:11

Tgt Ion:107 Resp: 28457

Ion Ratio Lower Upper

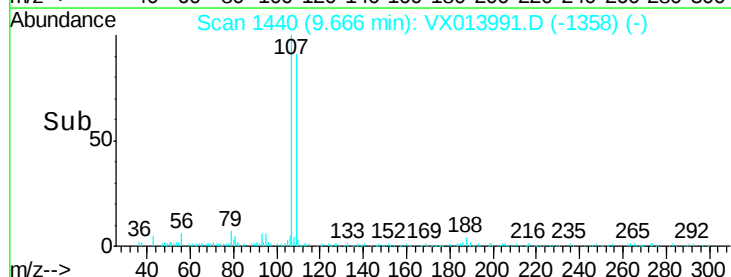
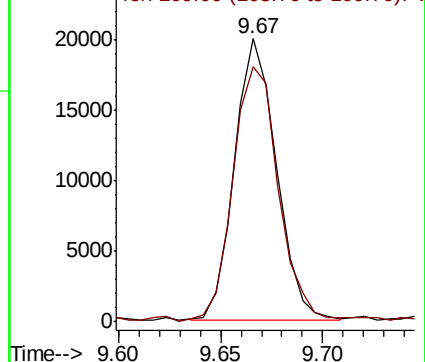
107 100

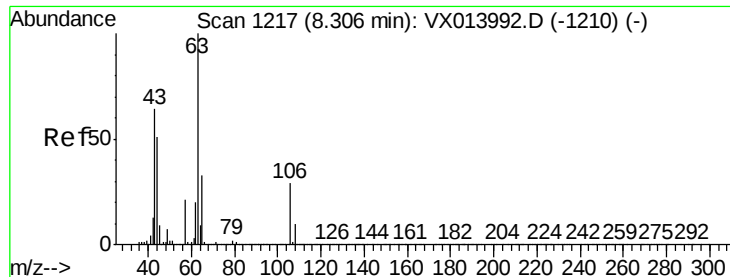
109 98.2 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 22.621 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

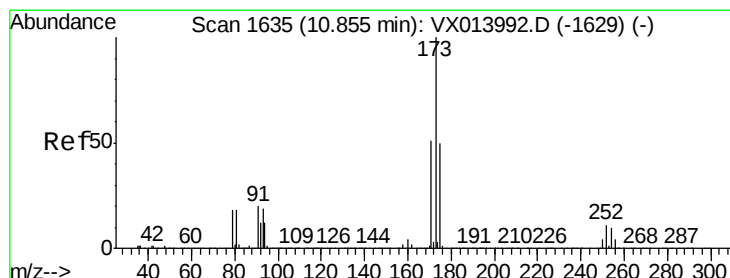
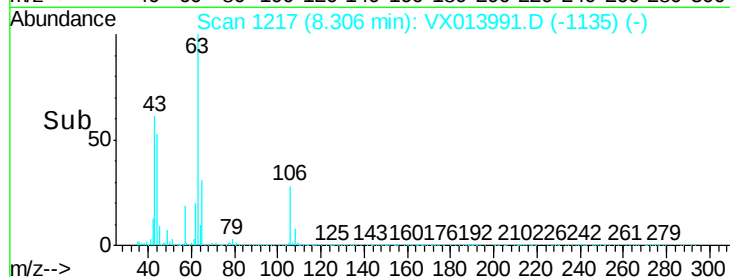
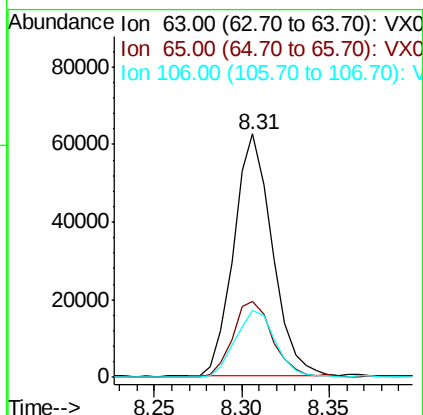
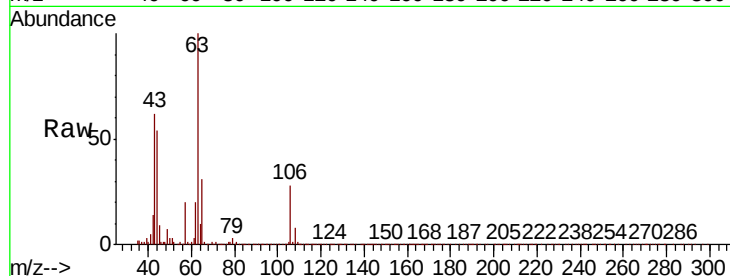
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	95876
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.8	38.6
106	28.8	22.9	34.3

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#56

Bromoform

Concen: 3.469 ug/l

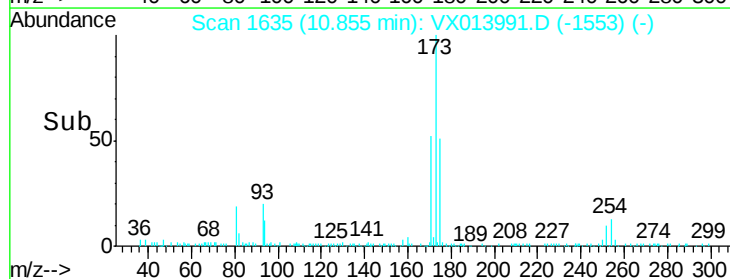
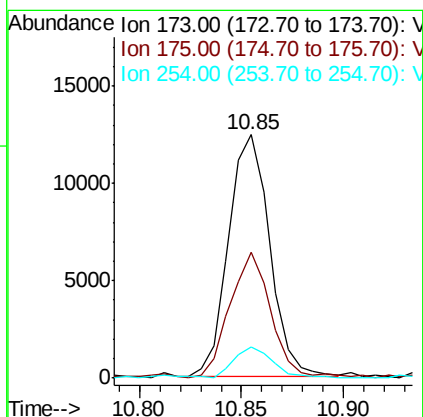
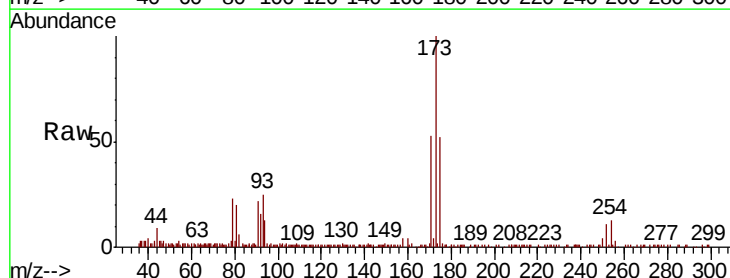
RT: 10.85 min Scan# 1635

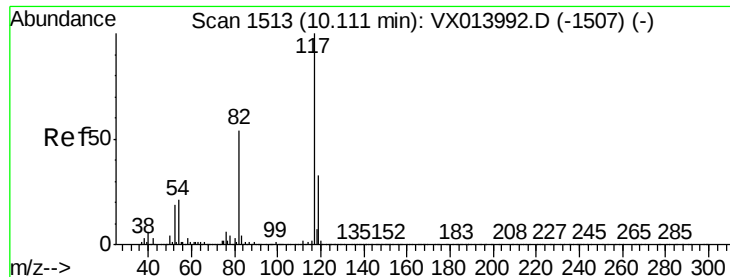
Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	173	Resp:	17387
Ion	Ratio	Lower	Upper
173	100		
175	51.5	39.5	59.3
254	12.4	8.2	12.4#





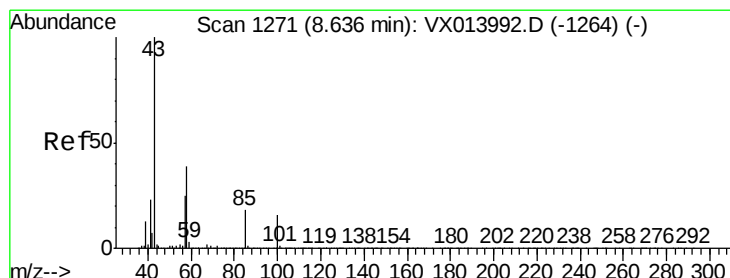
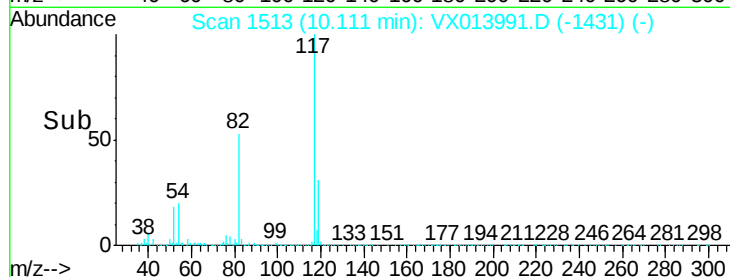
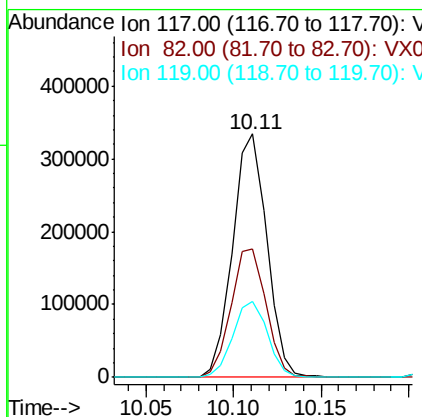
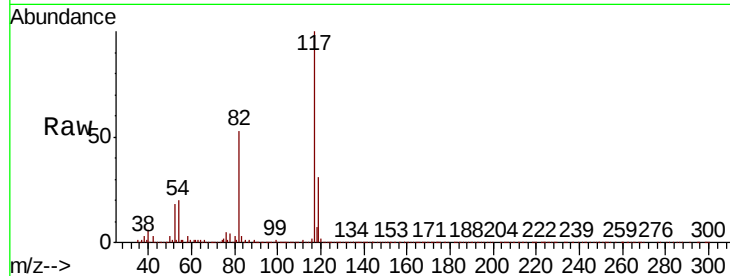
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.6
119	31.7	25.8	38.6

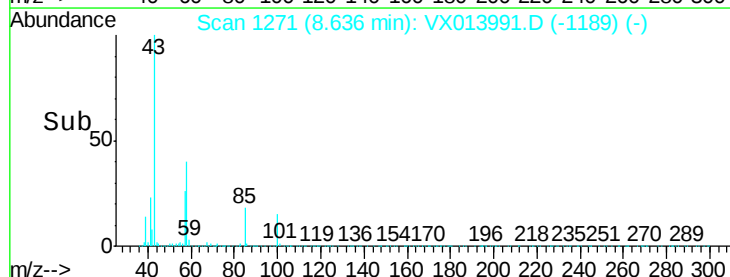
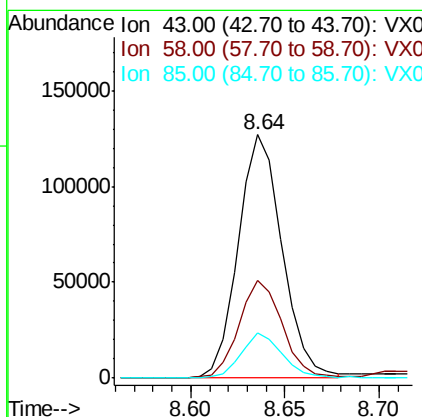
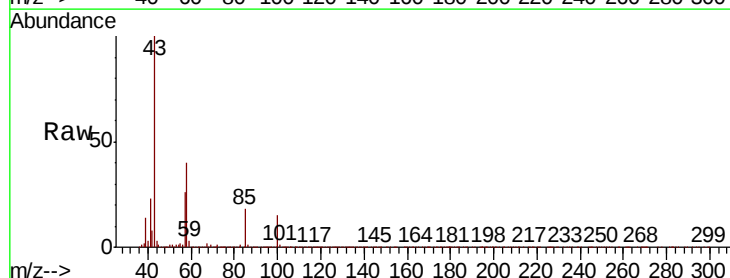
Manual Integrations
APPROVED

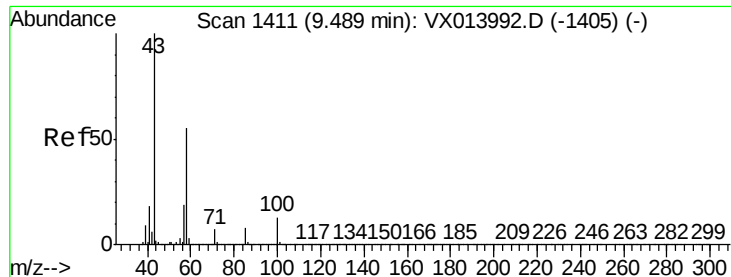
apatel
12/13/2019 11:25:36 AM



#58
4-Methyl-2-Pentanone
Concen: 21.625 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.2	46.8
85	17.4	14.2	21.2





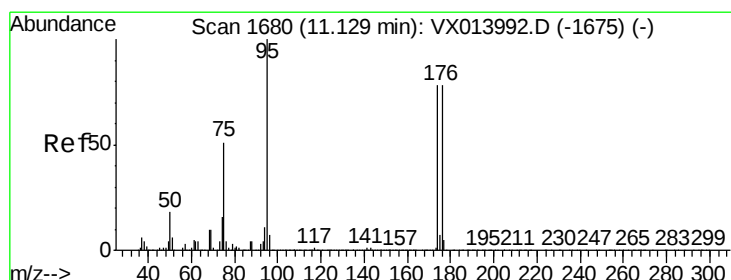
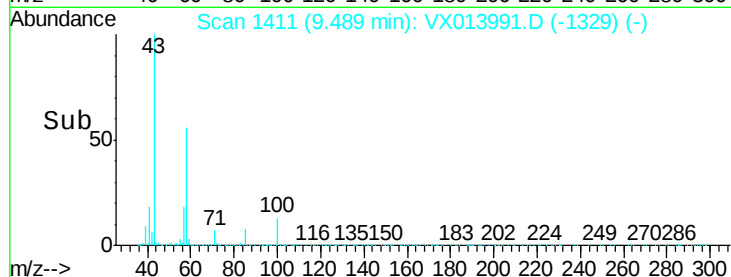
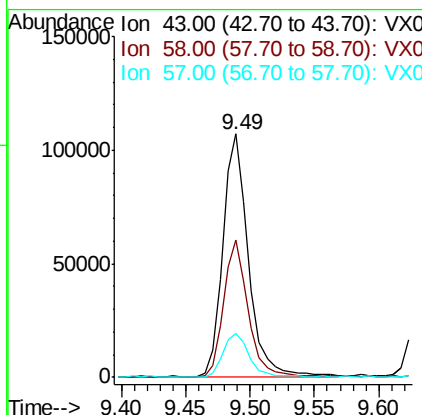
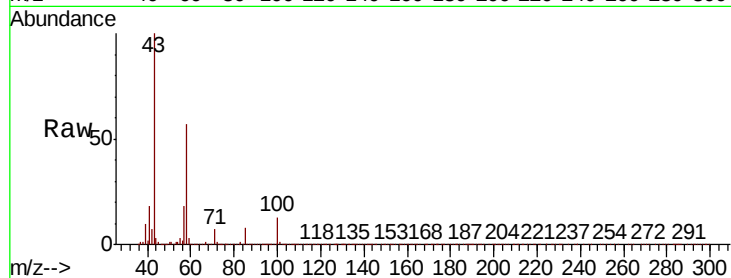
#59
2-Hexanone
Concen: 20.160 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.8	65.6
57	18.7	15.4	23.0

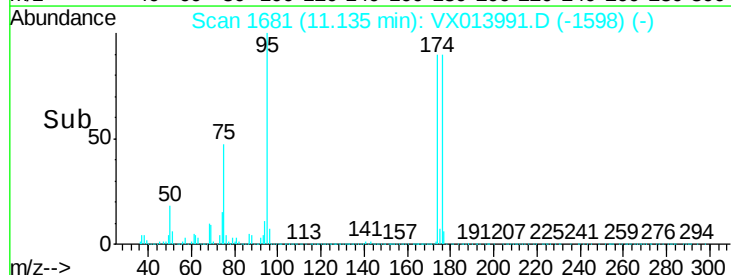
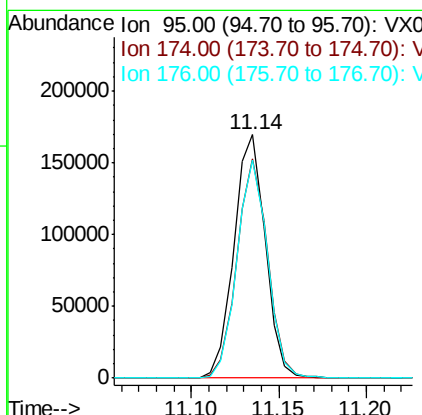
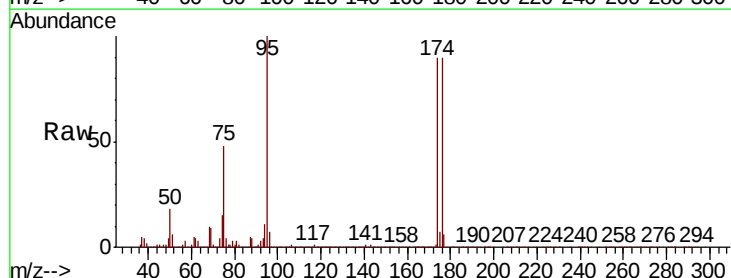
Manual Integrations
APPROVED

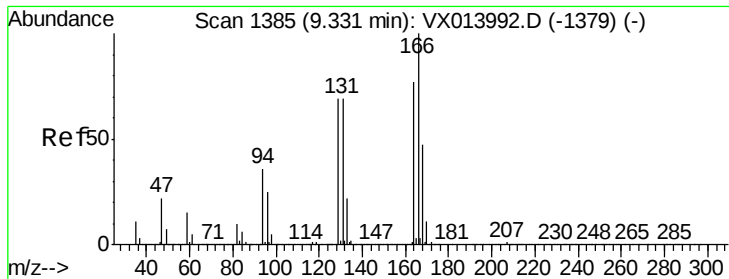
apatel
12/13/2019 11:25:36 AM



#60
4-Bromofluorobenzene
Concen: 28.648 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	70.2	105.2
176	87.5	68.3	102.5





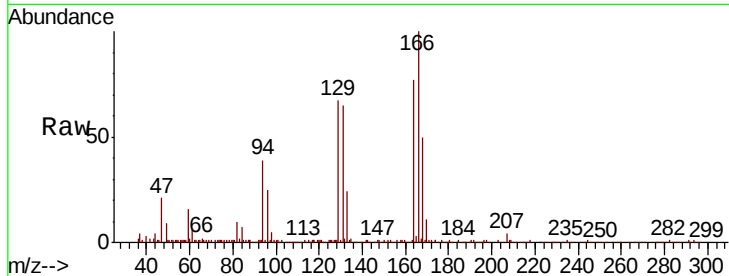
#61
Tetrachloroethene
Concen: 5.139 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	104.2	156.2
129	87.2	71.6	107.4
131	84.5	71.7	107.5

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



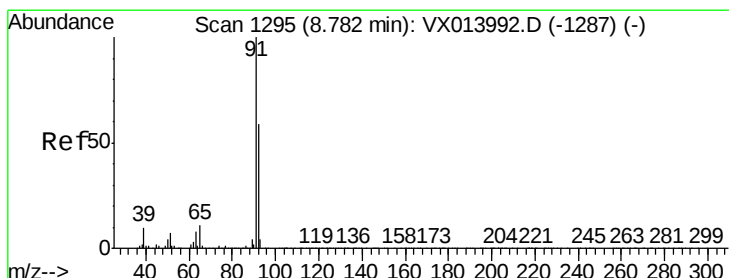
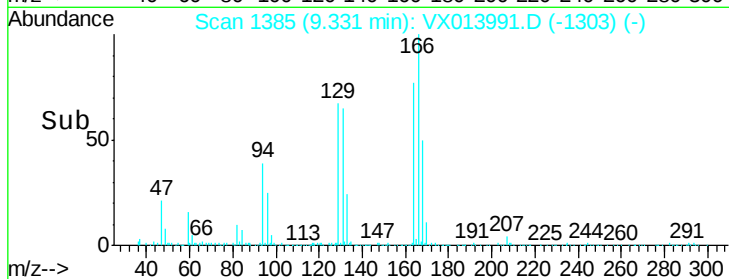
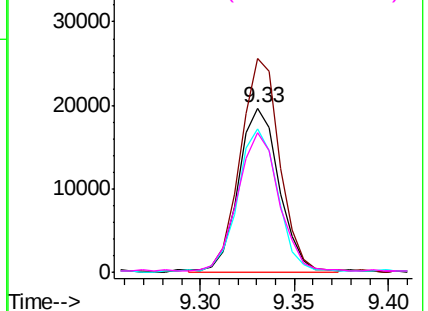
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

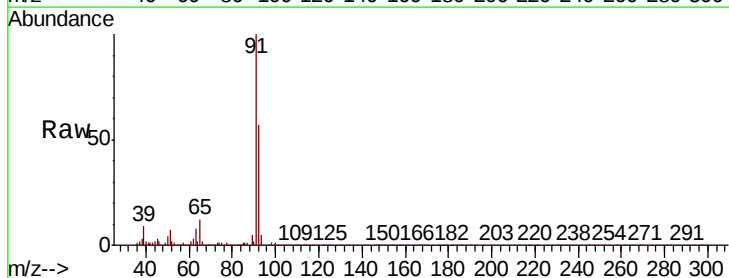
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 4.788 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

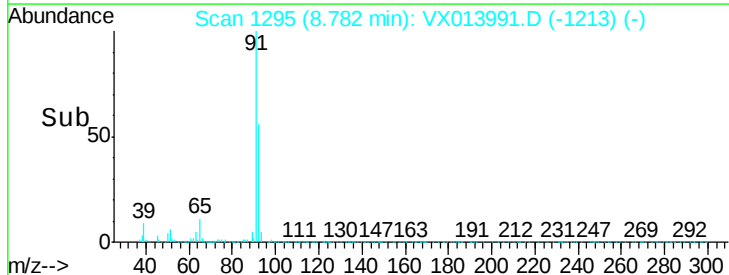
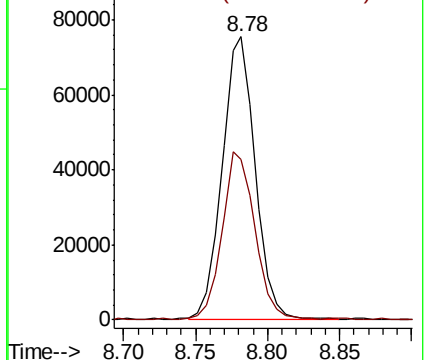
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.5	46.4	69.6

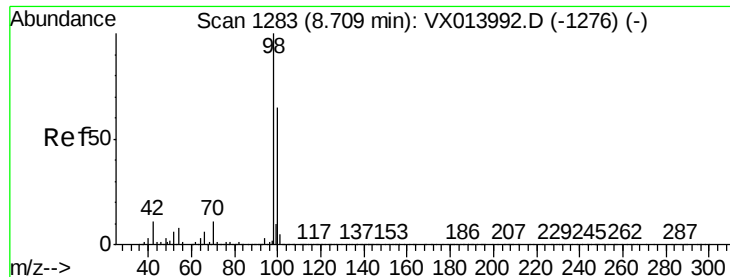


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.215 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 625280

Ion Ratio Lower Upper

98 100

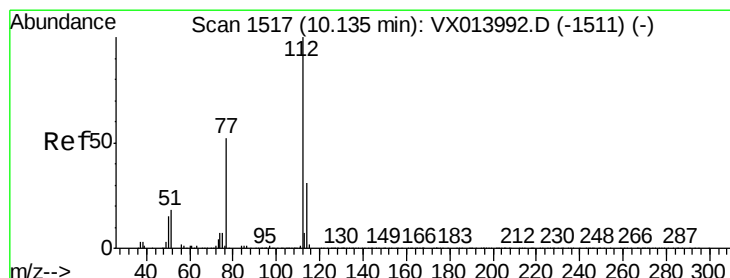
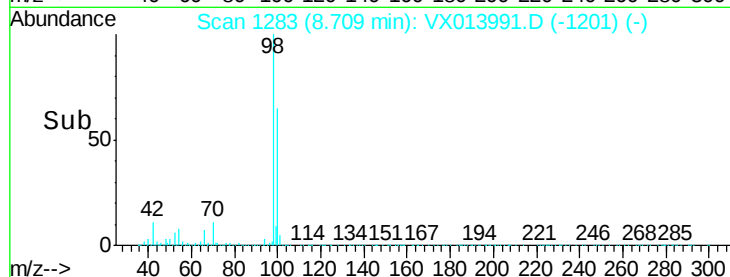
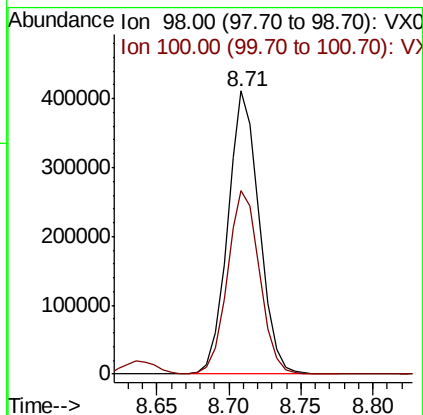
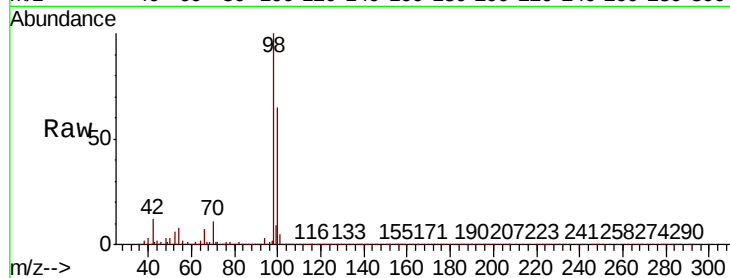
100 66.4 52.2 78.2

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:36 AM



#64

Chlorobenzene

Concen: 4.618 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013991.D

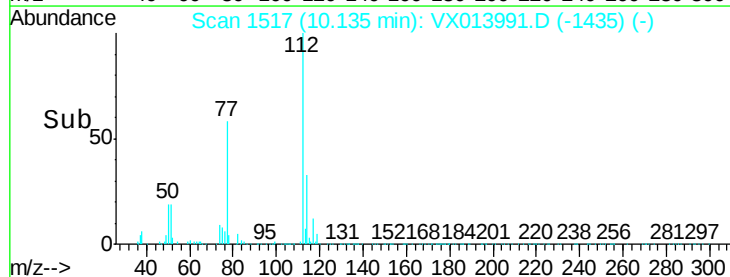
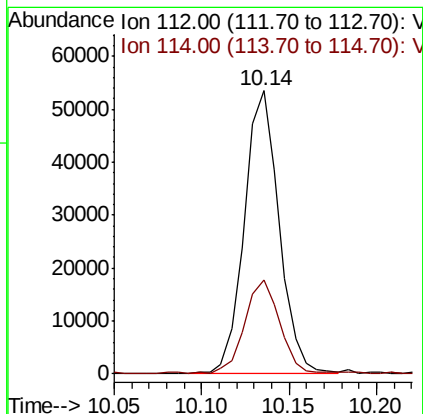
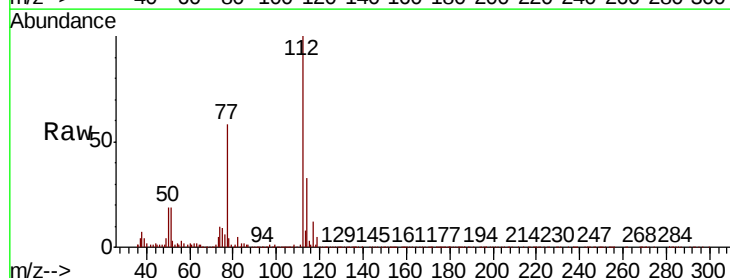
Acq: 12 Dec 2019 22:11

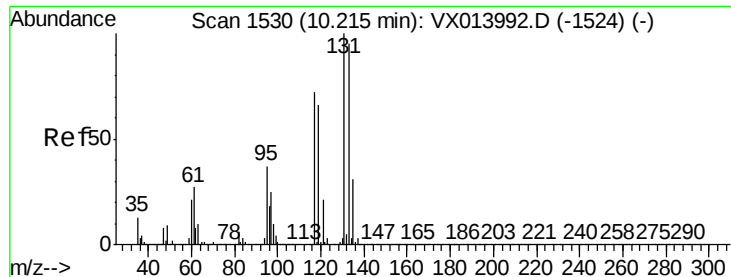
Tgt Ion: 112 Resp: 73568

Ion Ratio Lower Upper

112 100

114 32.9 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 4.590 ug/l

RT: 10.22 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

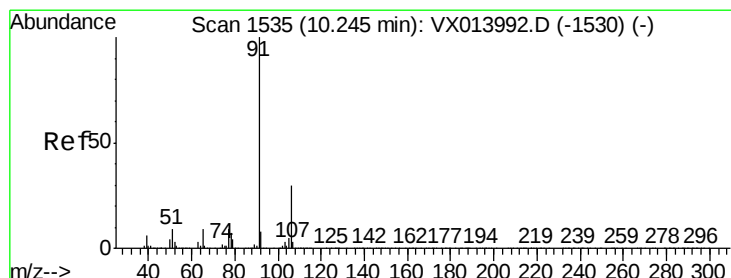
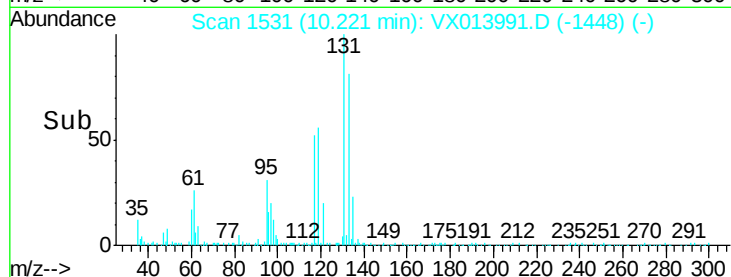
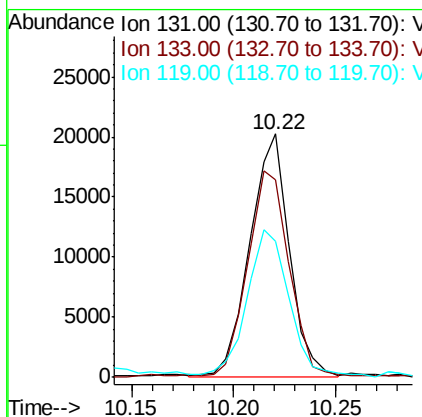
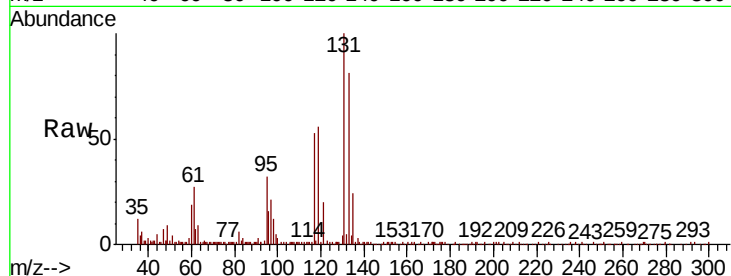
ClientSampleId :

VSTDIC005

Tot Ion:	131	Resp:	27174
Ion Ratio	Lower	Upper	
131	100		
133	88.5	0.0	189.8
119	65.8	0.0	132.2

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#66

Ethyl Benzene

Concen: 4.464 ug/l

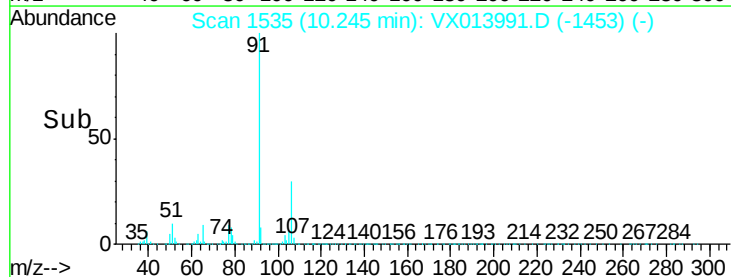
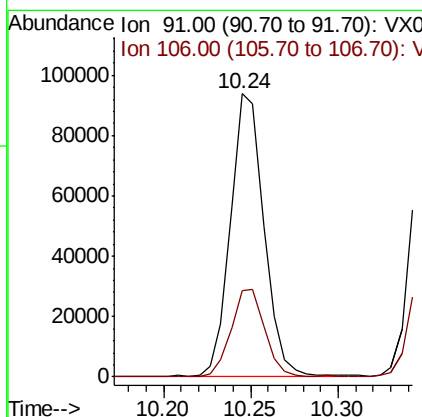
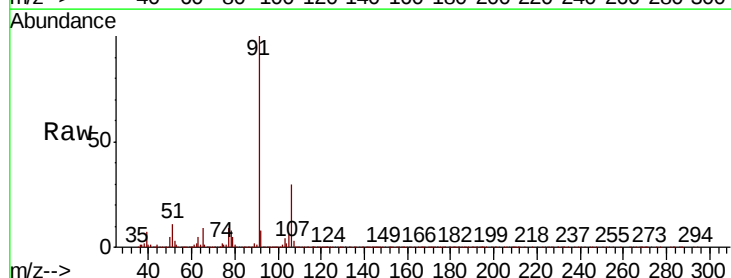
RT: 10.24 min Scan# 1535

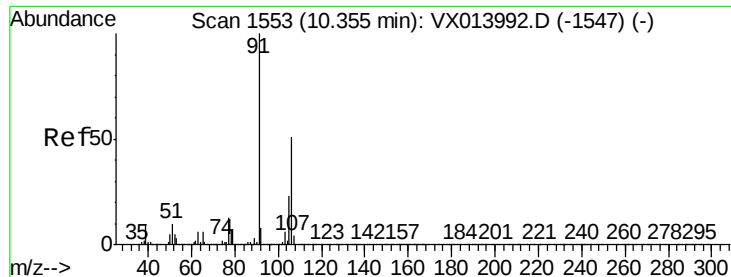
Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	91	Resp:	124441
Ion Ratio	Lower	Upper	
91	100		
106	30.5	24.2	36.2





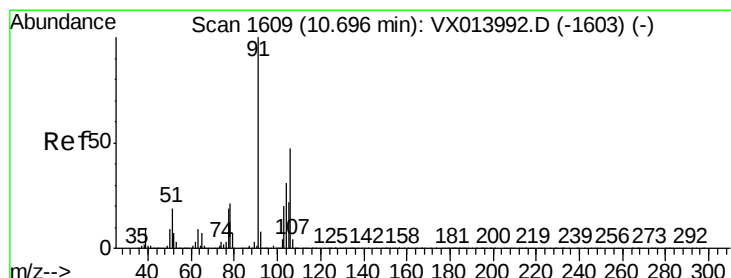
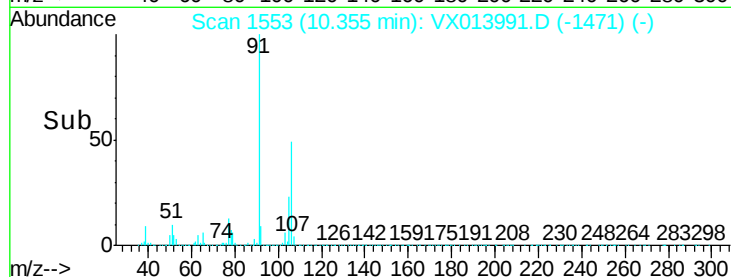
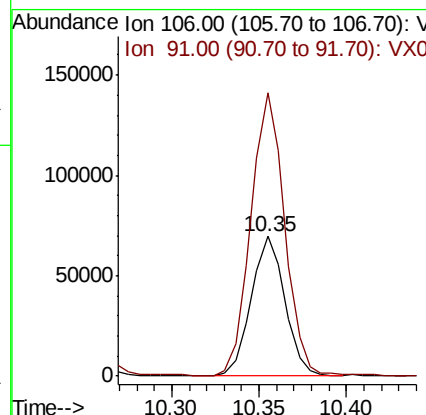
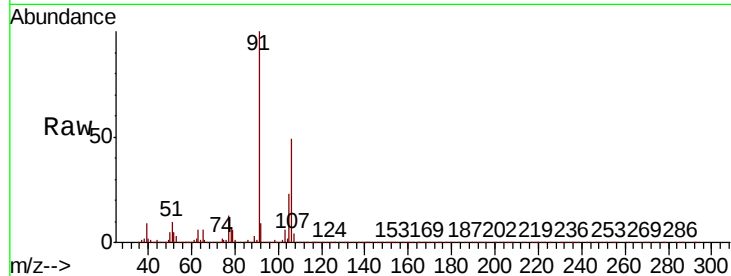
#67
m/p-Xylenes
Concen: 8.619 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 92772
Ion Ratio Lower Upper
106 100
91 204.4 159.3 238.9

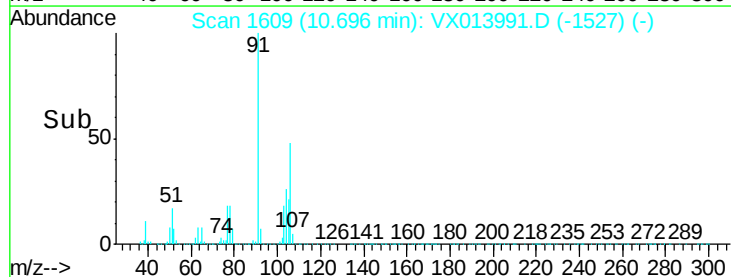
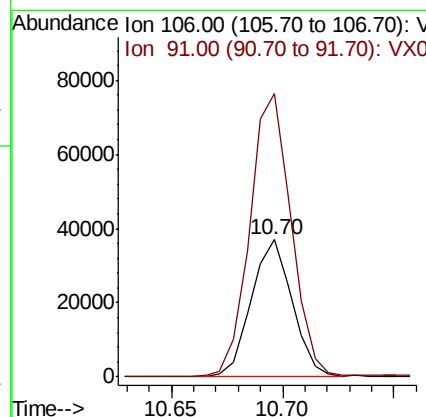
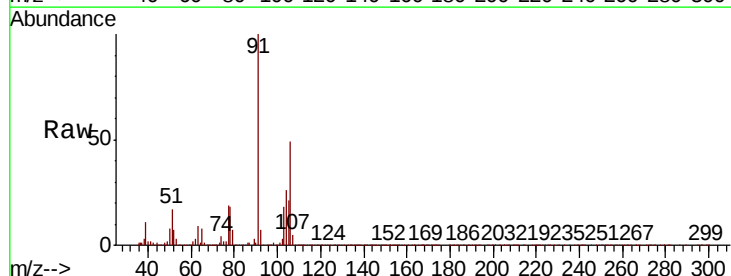
Manual Integrations
APPROVED

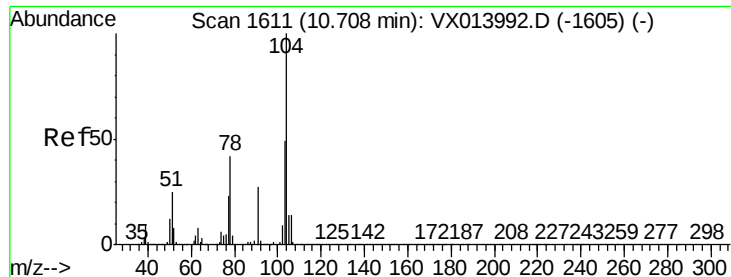
apatel
12/13/2019 11:25:36 AM



#68
o-Xylene
Concen: 4.543 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion:106 Resp: 47437
Ion Ratio Lower Upper
106 100
91 207.5 104.8 314.6





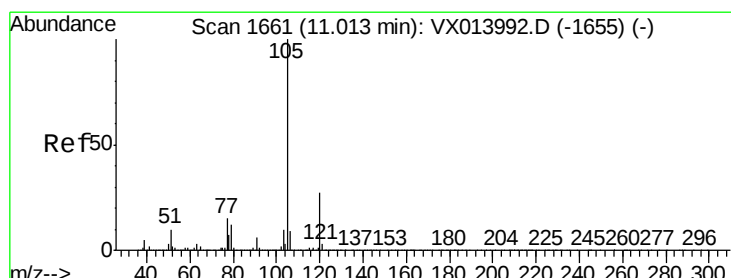
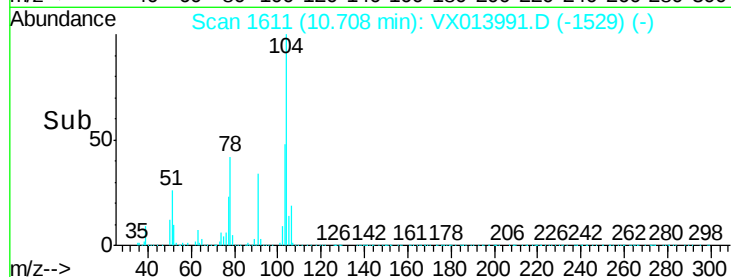
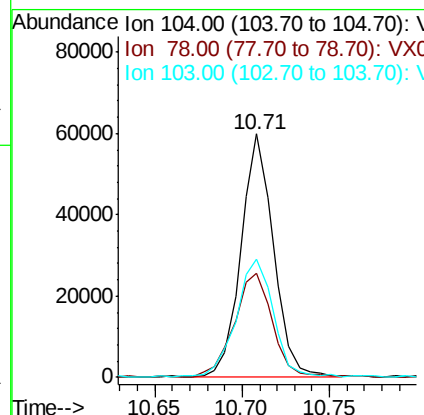
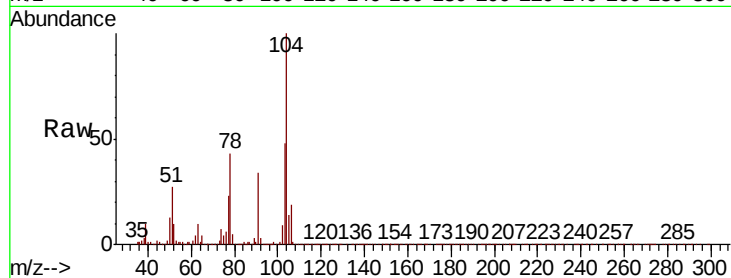
#69
Stvrene
Concen: 4.355 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	38.9	58.3
103	54.8	44.2	66.2

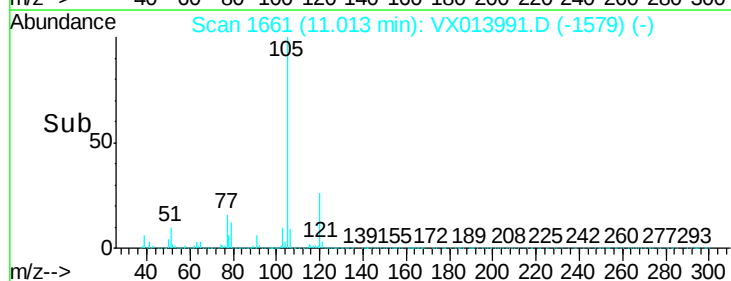
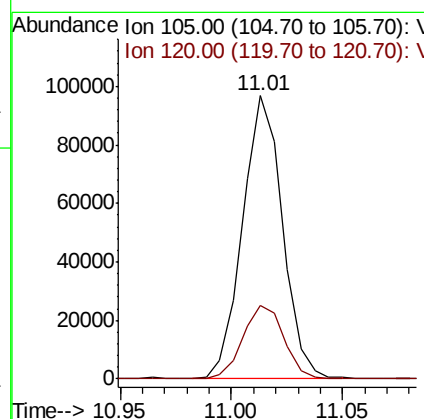
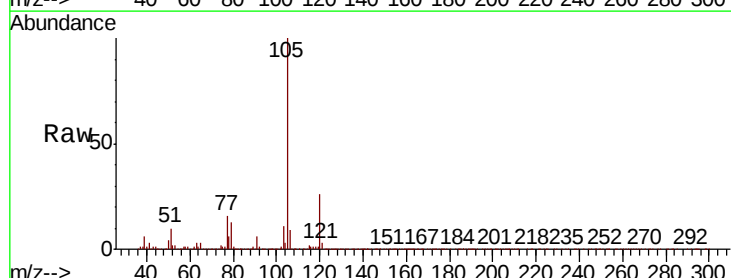
Manual Integrations
APPROVED

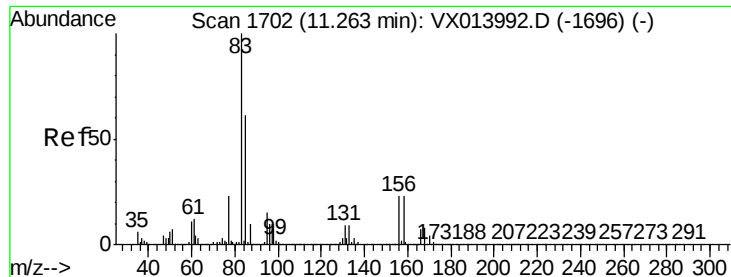
apatel
12/13/2019 11:25:36 AM



#70
Isopropylbenzene
Concen: 4.425 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 4.594 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

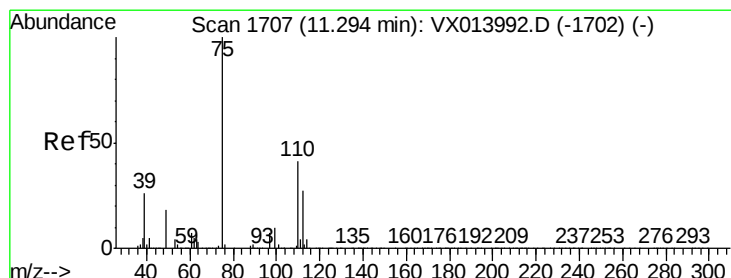
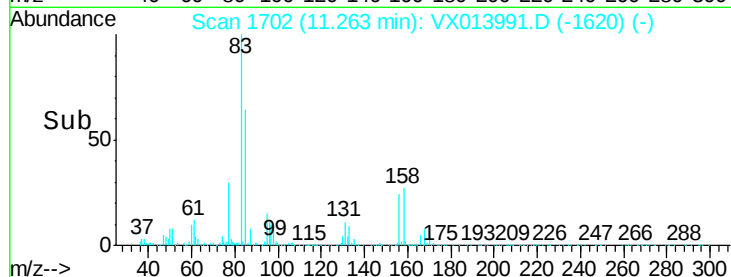
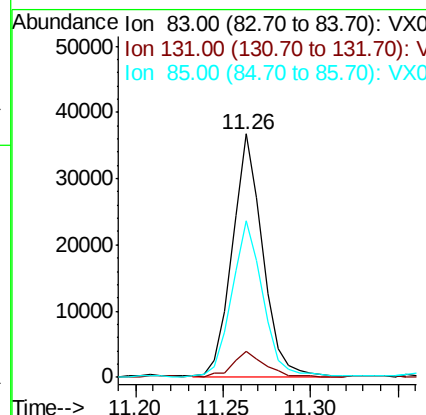
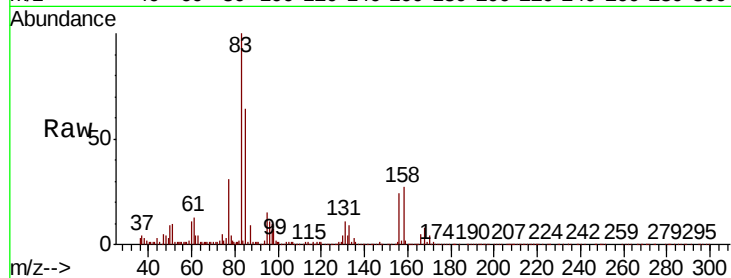
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	44896
Ion Ratio	Lower	Upper	
83	100		
131	11.3	4.9	14.7
85	65.7	31.6	94.7

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#72

1,2,3-Trichloropropane

Concen: 4.452 ug/l m

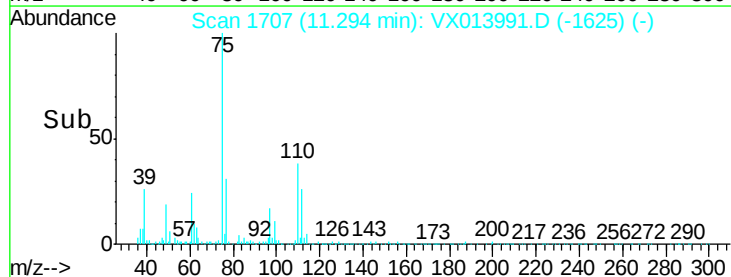
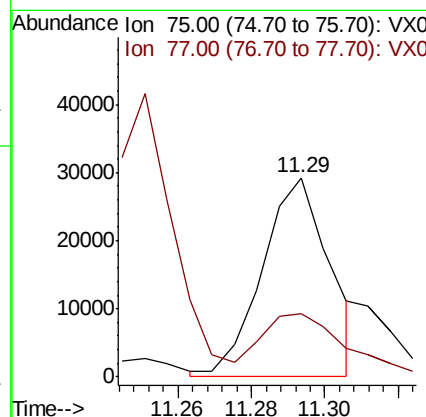
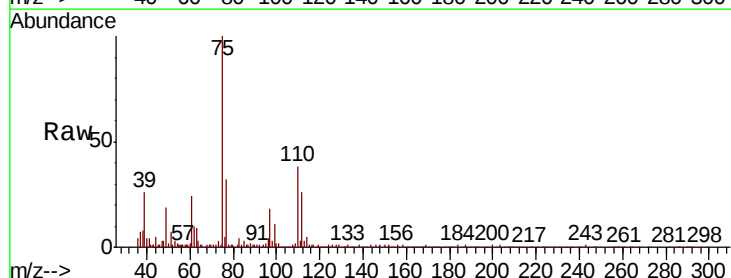
RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	75	Resp:	37661
Ion Ratio	Lower	Upper	
75	100		
77	34.8	0.0	68.4





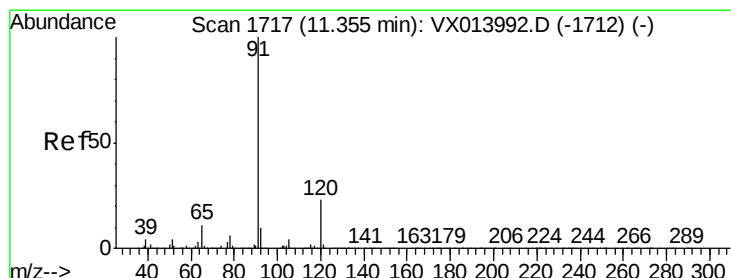
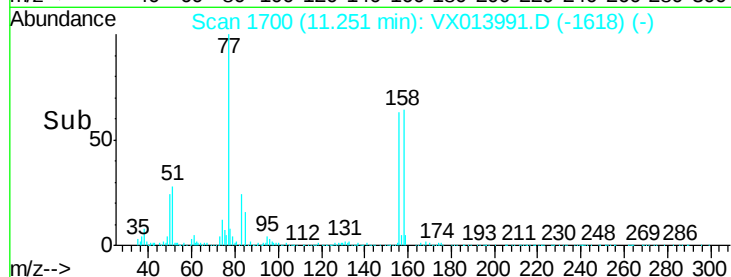
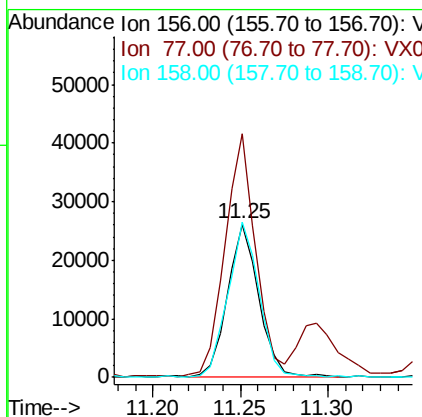
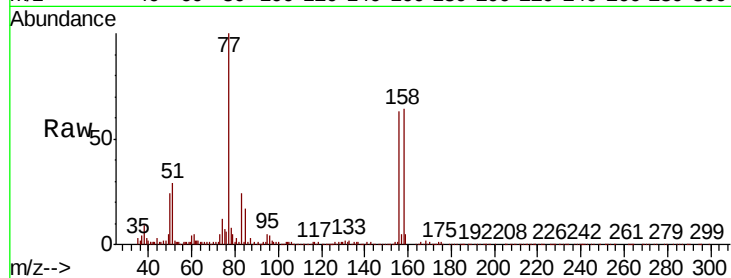
#73
Bromobenzene
Concen: 4.491 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.1	0.0	304.6
158	101.4	0.0	195.2

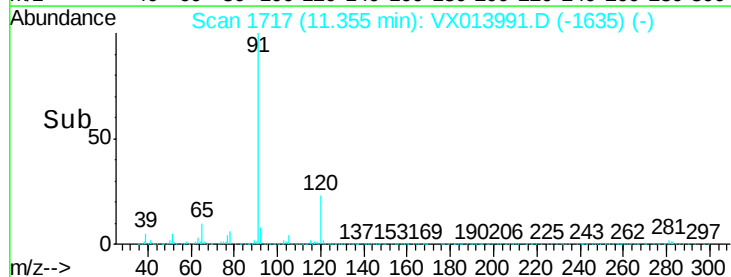
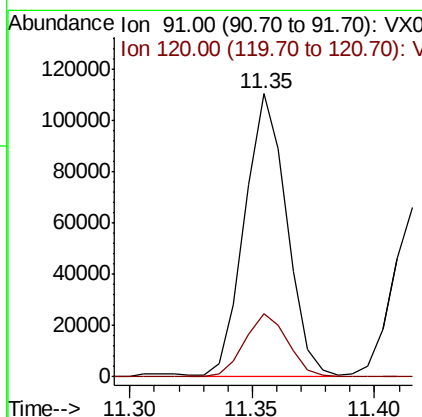
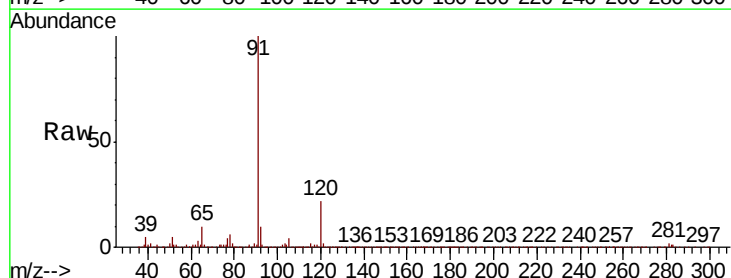
Manual Integrations
APPROVED

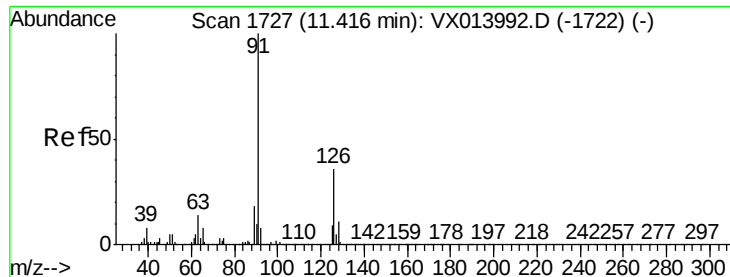
apatel
12/13/2019 11:25:36 AM



#74
n-propylbenzene
Concen: 4.253 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	44.8





#75

2-Chlorotoluene

Concen: 4.496 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 83367

Ion Ratio Lower Upper

91 100

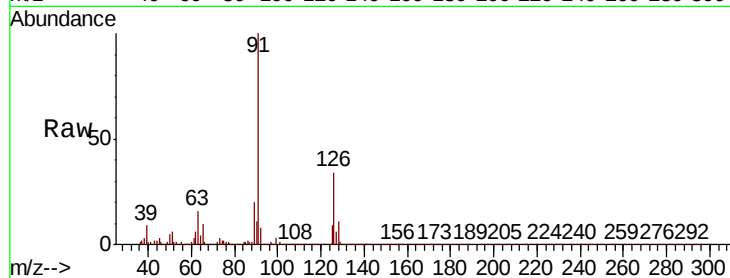
126 33.8 0.0 70.8

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

120000

100000

80000

60000

40000

20000

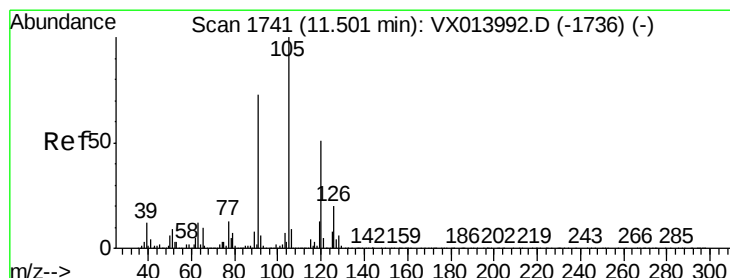
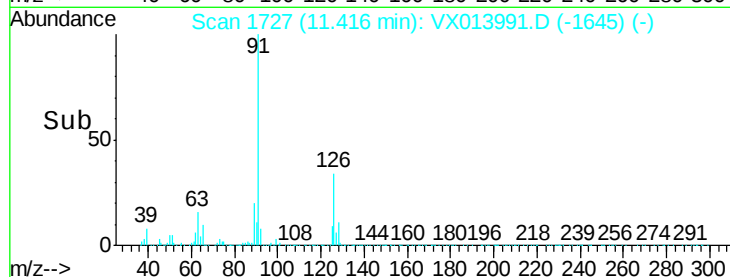
0

11.35

11.40

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.352 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013991.D

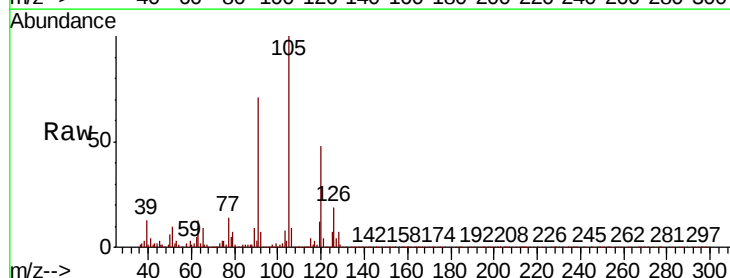
Acq: 12 Dec 2019 22:11

Tgt Ion:105 Resp: 100154

Ion Ratio Lower Upper

105 100

120 49.3 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

100000

80000

60000

40000

20000

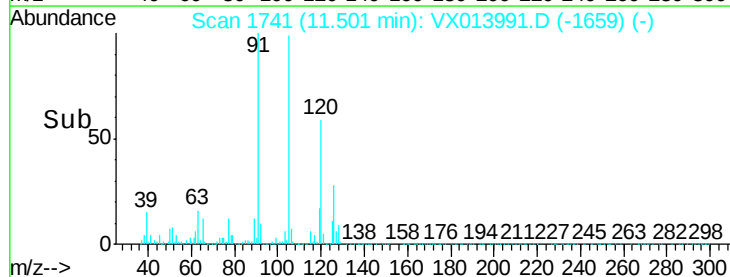
0

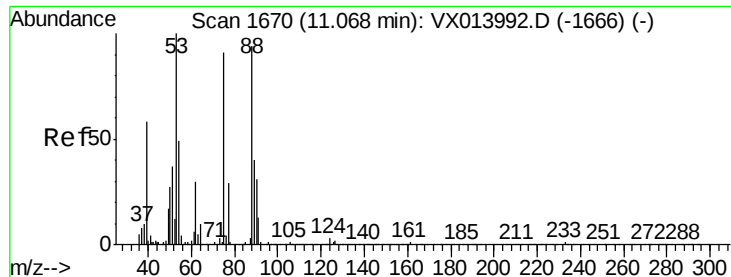
11.45

11.50

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 2.886 ug/l

RT: 11.07 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

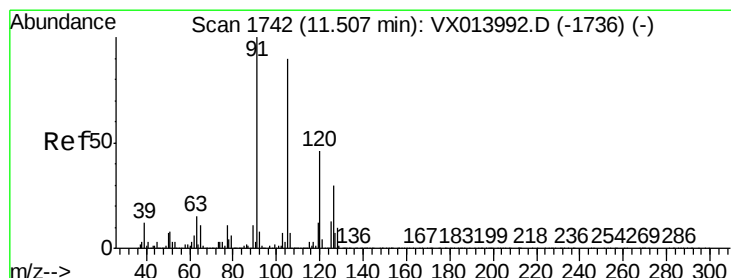
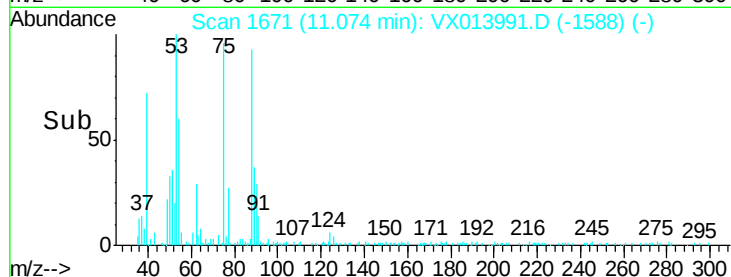
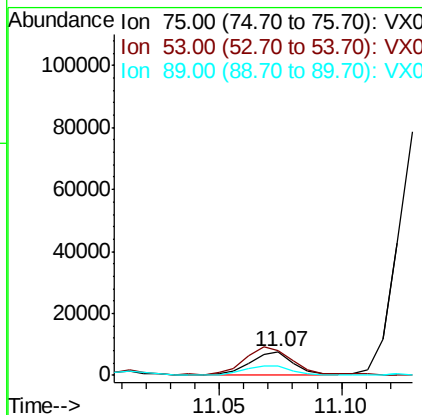
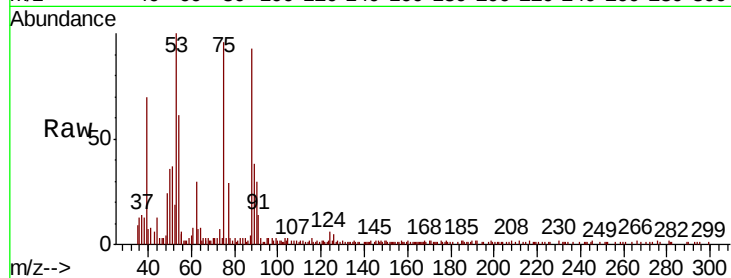
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	9321
Ion	Ratio	Lower	Upper
75	100		
53	100.5	54.4	163.1
89	37.7	21.9	65.5

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#78

4-Chlorotoluene

Concen: 4.299 ug/l

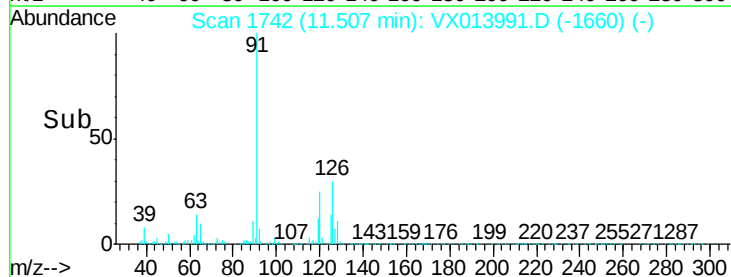
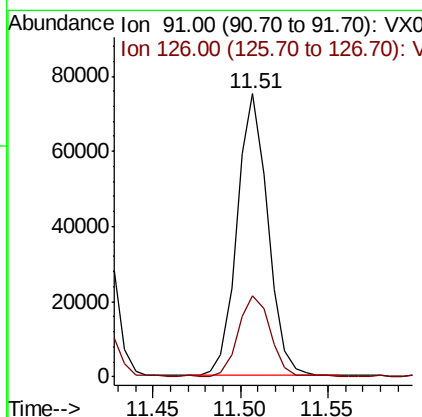
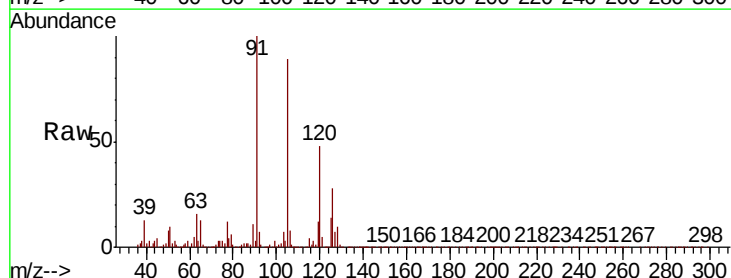
RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Tgt Ion:	91	Resp:	91388
Ion	Ratio	Lower	Upper
91	100		
126	29.3	0.0	59.6





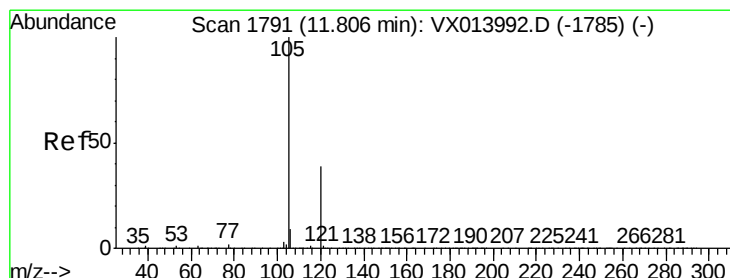
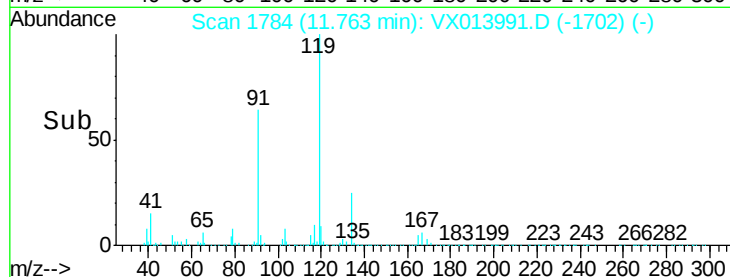
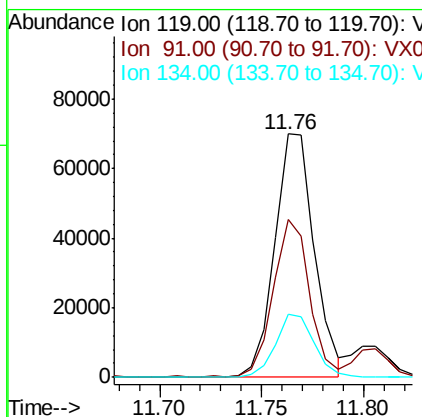
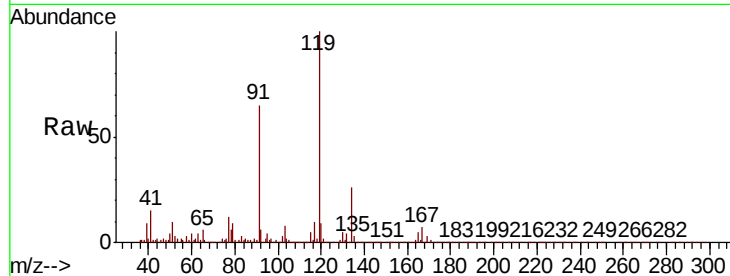
#79
tert-butylbenzene
Concen: 4.101 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.4	0.0	112.6
134	25.4	0.0	49.8

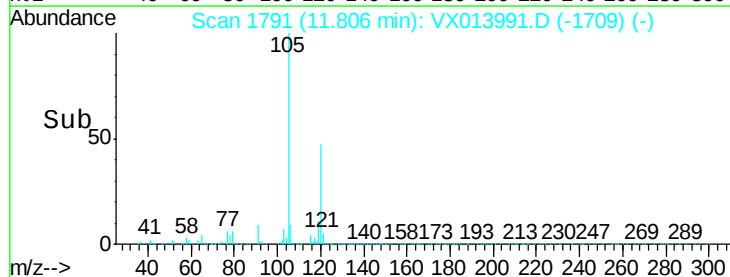
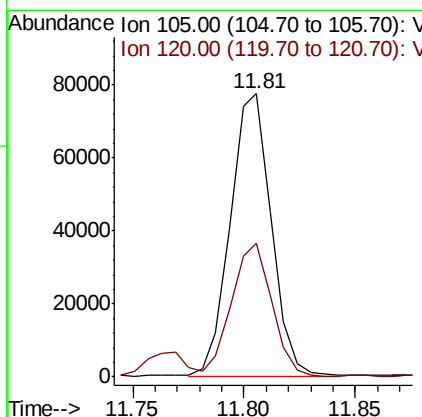
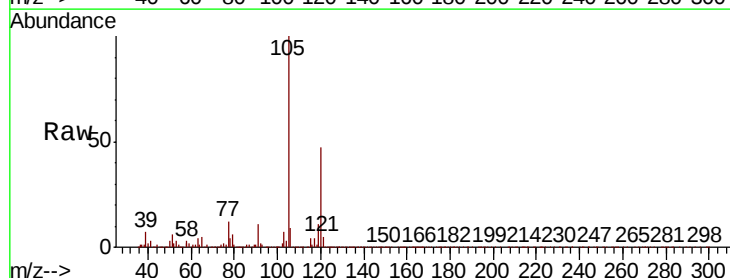
Manual Integrations
APPROVED

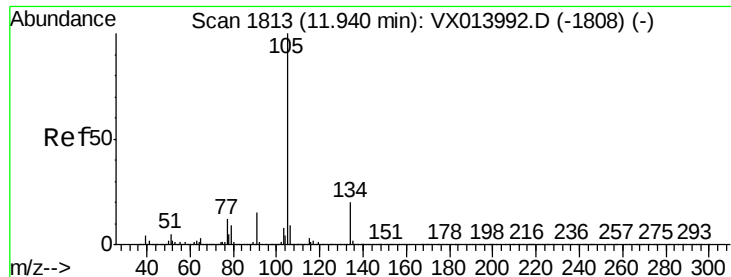
apatel
12/13/2019 11:25:36 AM



#80
1,2,4-Trimethylbenzene
Concen: 4.309 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	0.0	92.0





#81

sec-Butylbenzene

Concen: 4.296 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 113728

Ion Ratio Lower Upper

105 100

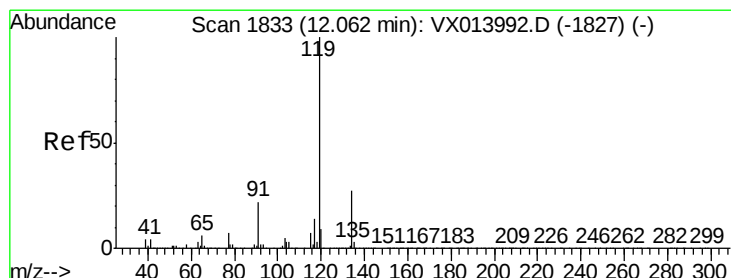
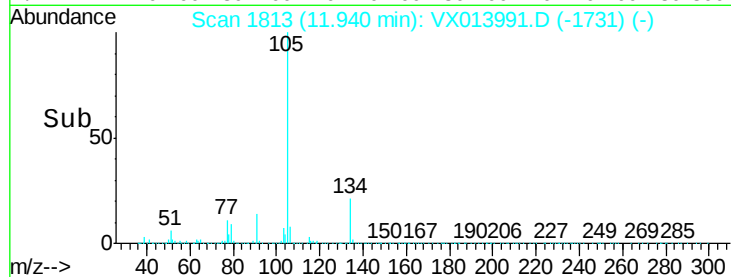
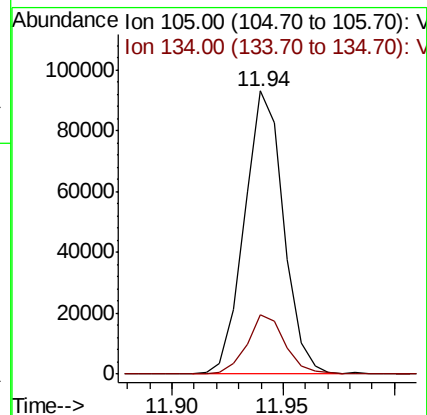
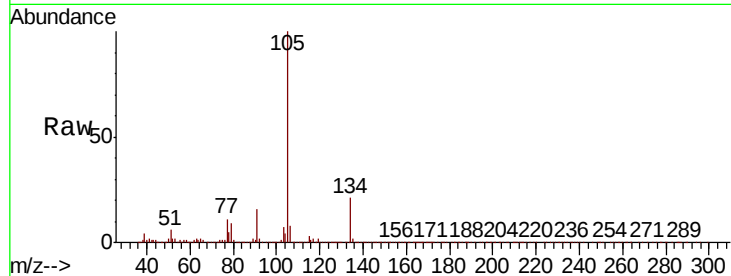
134 20.5 0.0 40.2

Manual Integrations

APPROVED

apatel

12/13/2019 11:25:36 AM



#82

p-Isopropyltoluene

Concen: 4.058 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013991.D

Acq: 12 Dec 2019 22:11

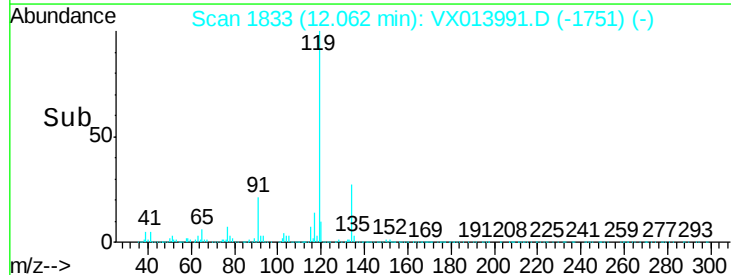
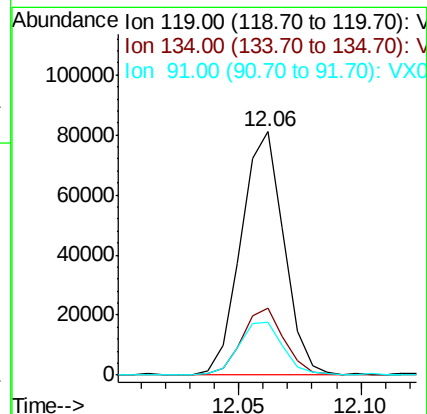
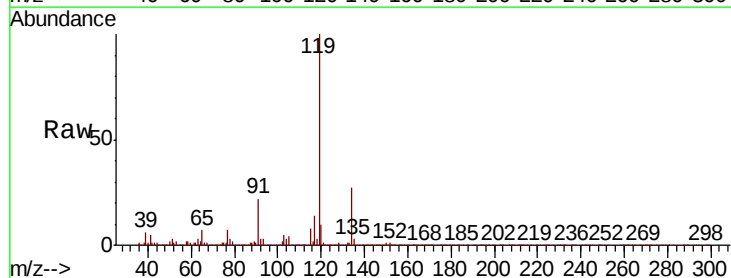
Tgt Ion:119 Resp: 98463

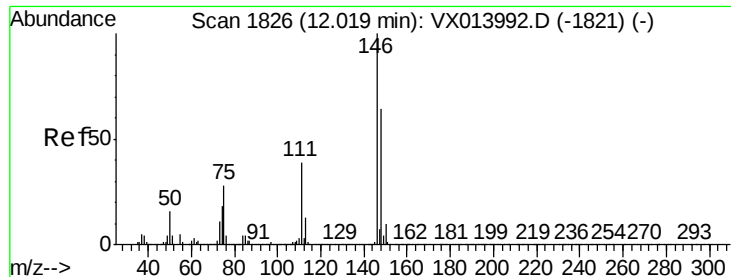
Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.8

91 22.2 0.0 45.0





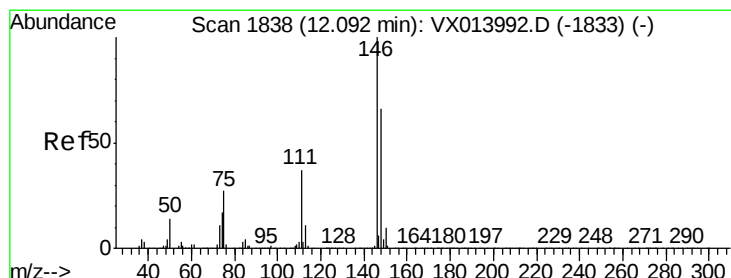
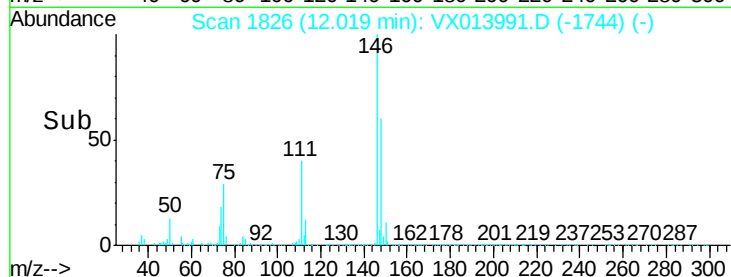
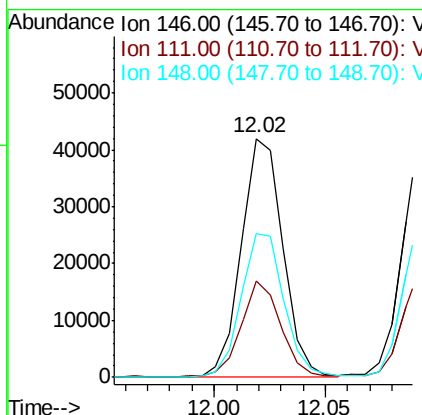
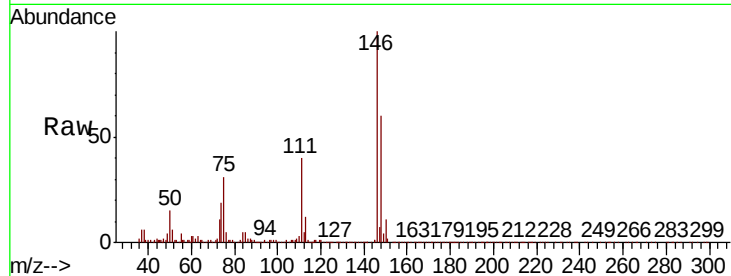
#83
1,3-Dichlorobenzene
Concen: 4.312 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	61.7	32.2	96.6

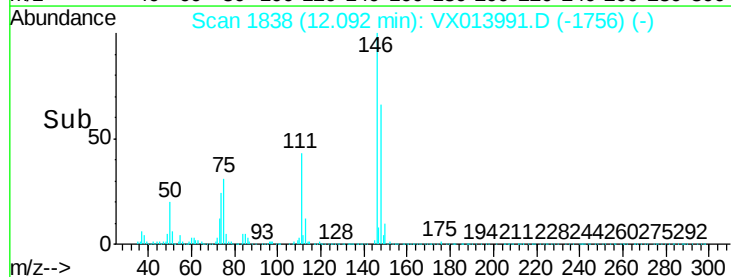
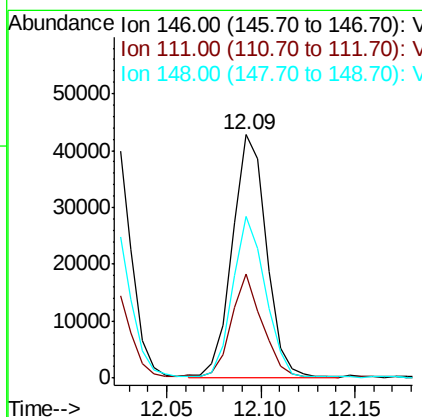
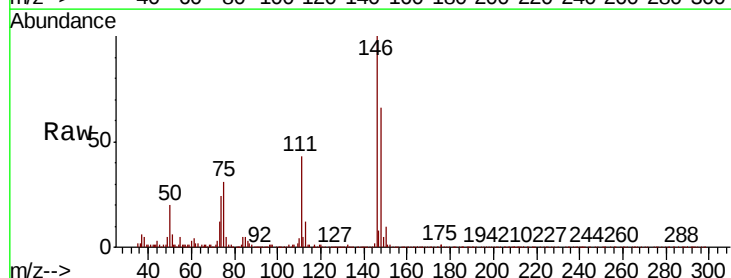
Manual Integrations
APPROVED

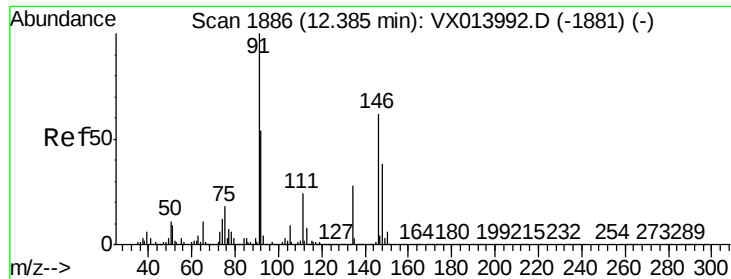
apatel
12/13/2019 11:25:36 AM



#84
1,4-Dichlorobenzene
Concen: 4.276 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.4	55.4
148	63.1	32.0	96.0





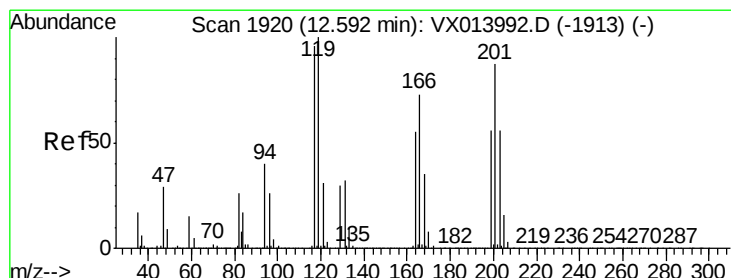
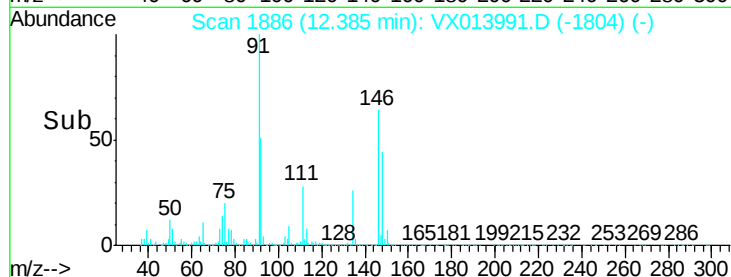
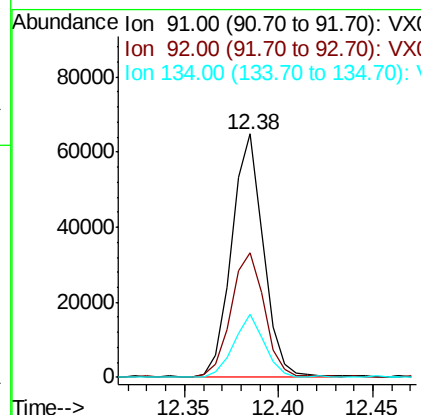
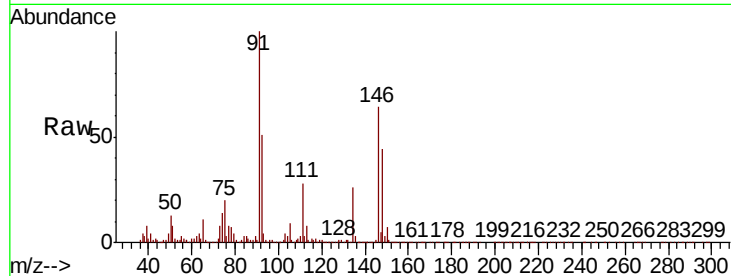
#85
n-Butylbenzene
Concen: 3.616 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100	75223		
92	54.9	0.0	109.0	
134	24.8	0.0	54.0	

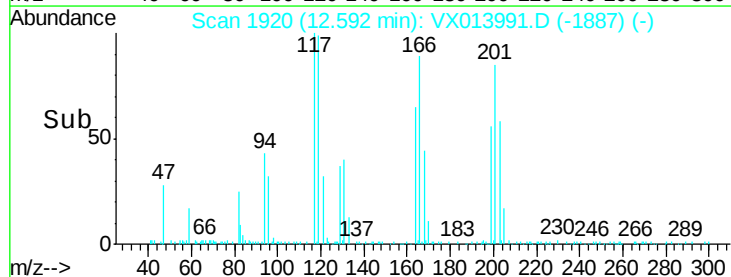
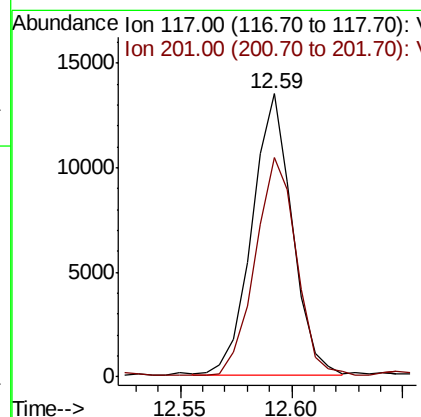
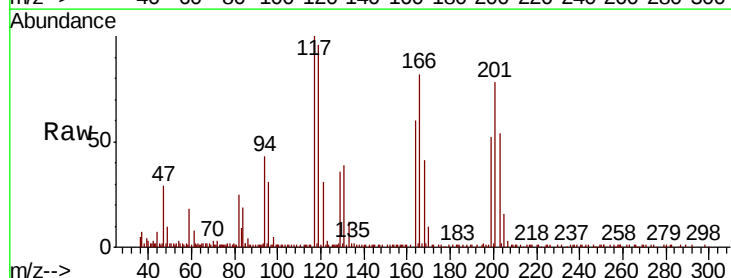
Manual Integrations
APPROVED

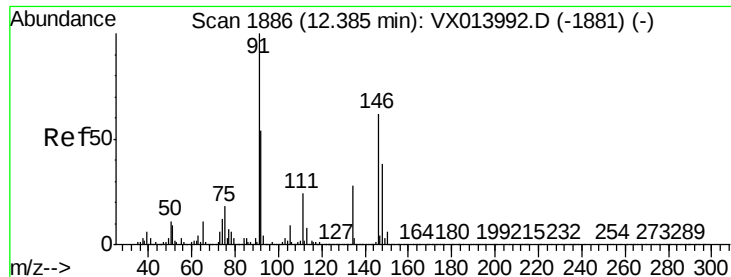
apatel
12/13/2019 11:25:36 AM



#86
Hexachloroethane
Concen: 3.843 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	17020		
201	79.5	44.8	134.3	





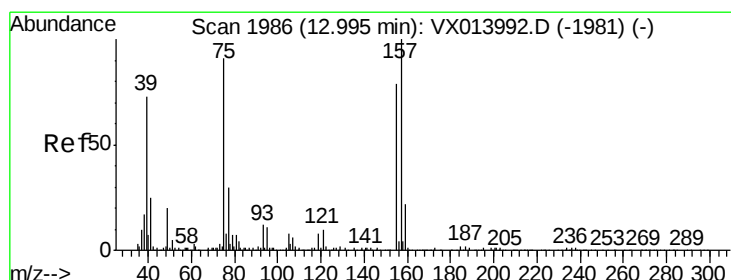
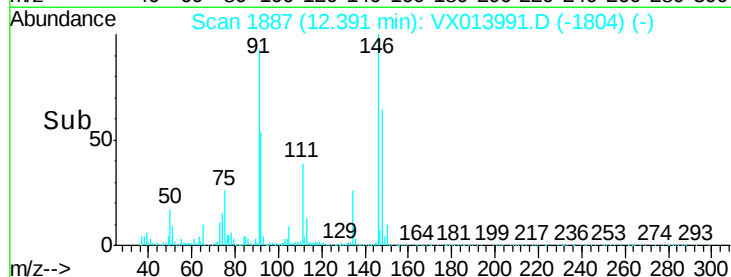
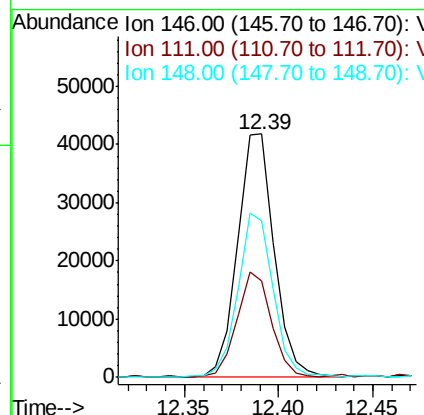
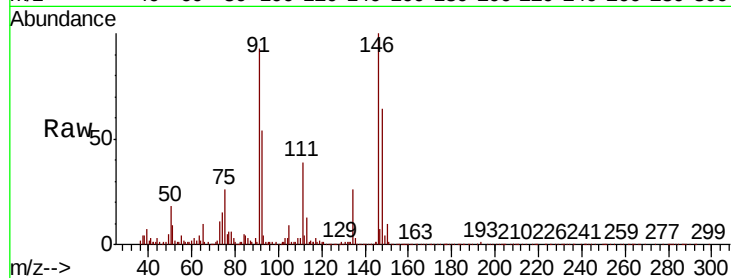
#87
 1,2-Dichlorobenzene
 Concen: 4.464 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.2
148	64.8	32.0	96.2

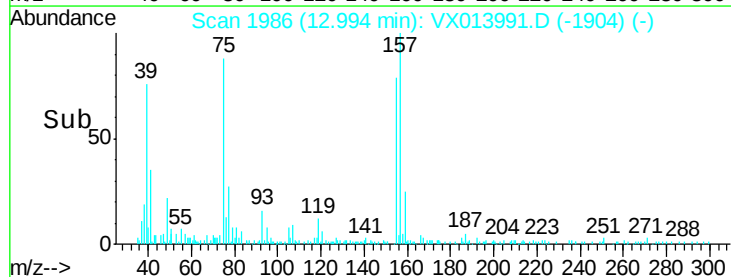
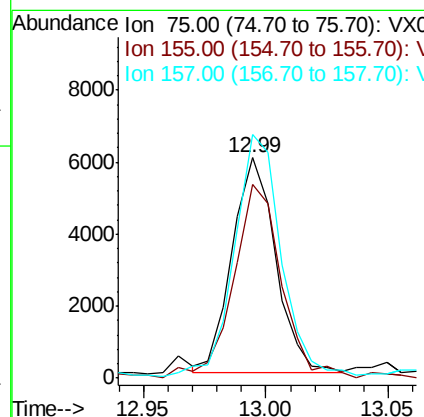
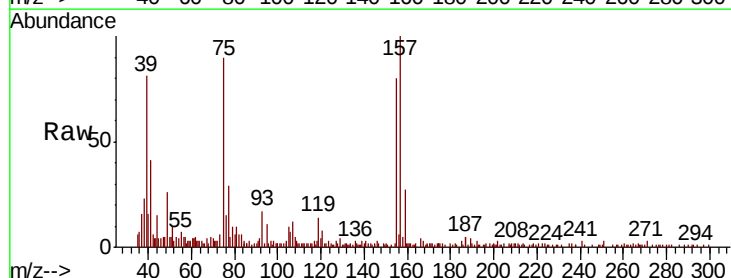
Manual Integrations
 APPROVED

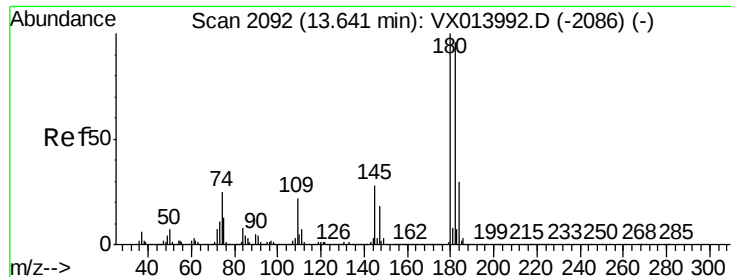
apatel
 12/13/2019 11:25:36 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.404 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	73.8	110.6
157	122.5	95.0	142.4





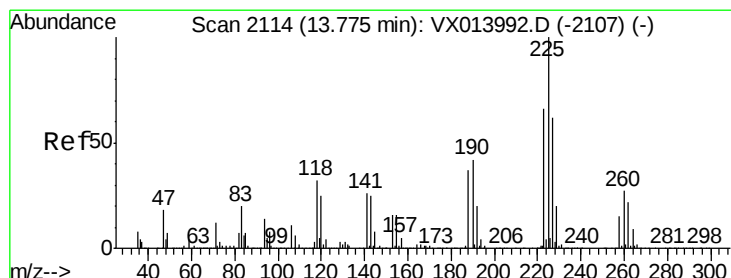
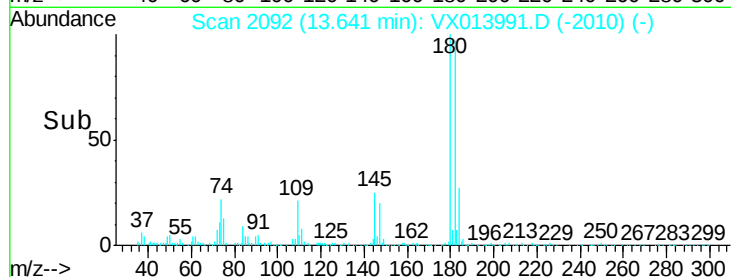
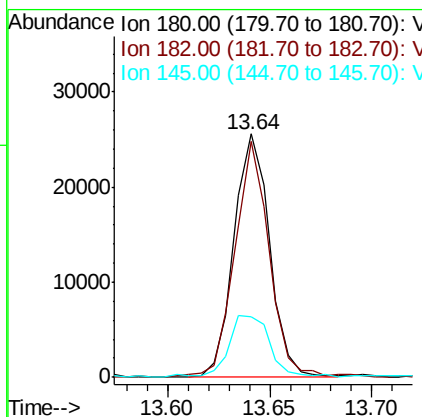
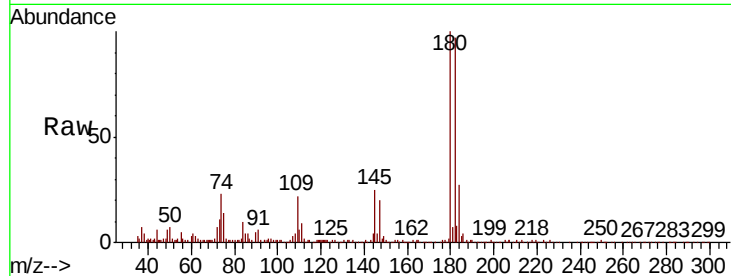
#89
 1,2,4-Trichlorobenzene
 Concen: 3.594 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	76.4	114.6
145	28.6	21.9	32.9

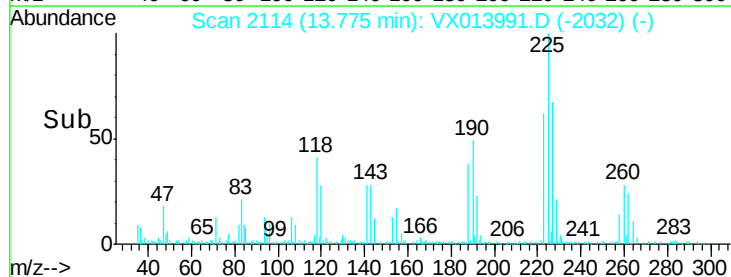
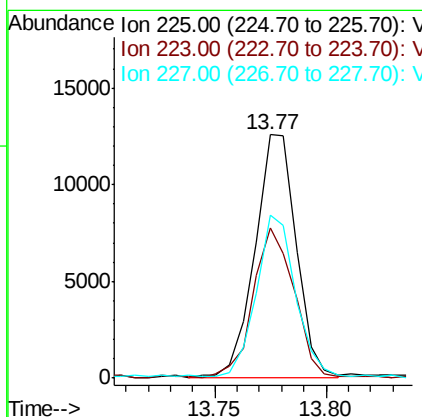
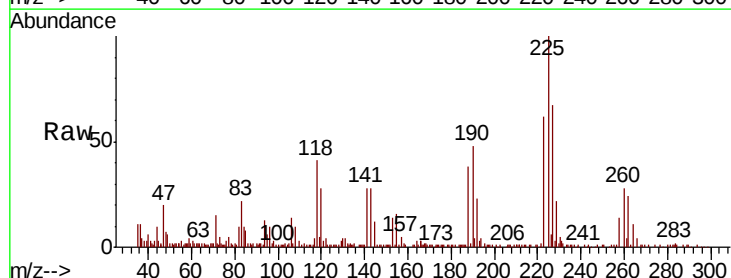
Manual Integrations
 APPROVED

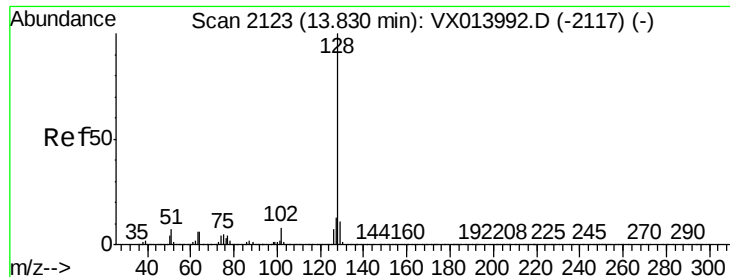
apatel
 12/13/2019 11:25:36 AM



#90
 Hexachlorobutadiene
 Concen: 3.954 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013991.D
 Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	0.0	127.4
227	63.8	0.0	122.8





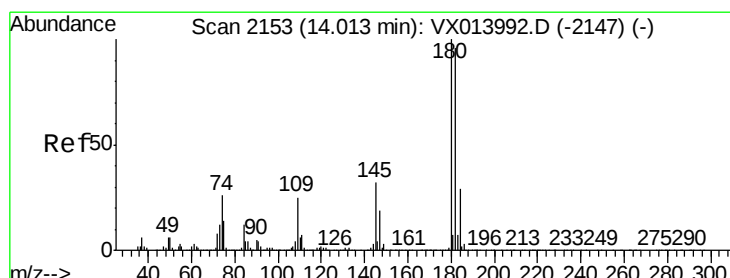
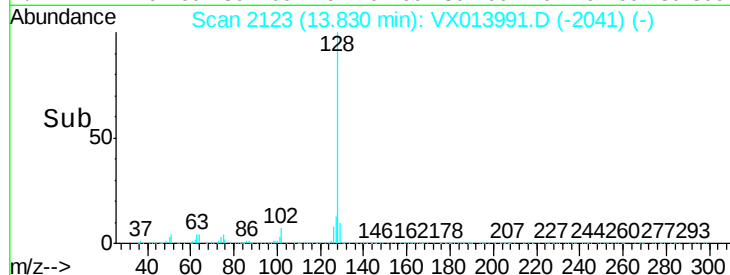
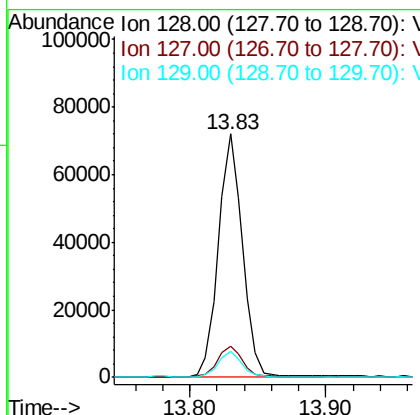
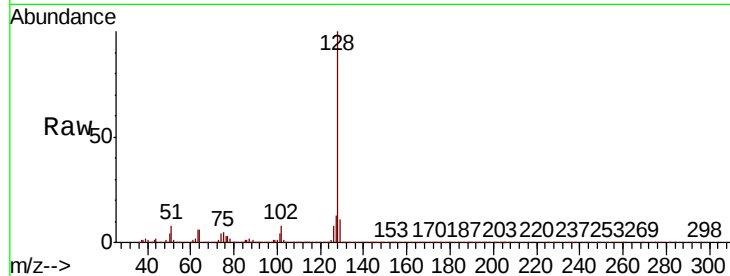
#91
Naphthalene
Concen: 3.289 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	10.2	8.9	13.3

Manual Integrations
APPROVED

apatel
12/13/2019 11:25:36 AM



#92
1,2,3-Trichlorobenzene
Concen: 3.781 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013991.D
Acq: 12 Dec 2019 22:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	0.0	192.8
145	31.7	0.0	60.0

