

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014009.D
 Acq On : 13 Dec 2019 15:36
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:46:00 PM

Quant Time: Dec 13 16:53:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	561172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	855896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	774441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	385975	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	116759	17.90	ug/l	0.00
Spiked Amount			Recovery	=	35.80%	
35) Dibromofluoromethane	5.49	113	94491	17.76	ug/l	0.00
Spiked Amount			Recovery	=	35.52%	
50) Toluene-d8	8.71	98	377231	18.14	ug/l	0.00
Spiked Amount			Recovery	=	36.28%	
62) 4-Bromofluorobenzene	11.13	95	132465	17.61	ug/l	0.00
Spiked Amount			Recovery	=	35.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	100145	16.693	ug/l	99
3) Chloromethane	1.32	50	134379	19.355	ug/l	100
4) Vinyl Chloride	1.40	62	138115	17.985	ug/l	99
5) Bromomethane	1.63	94	97452	18.548	ug/l	98
6) Chloroethane	1.70	64	84586	18.891	ug/l	90
7) Trichlorofluoromethane	1.92	101	171935	19.562	ug/l	98
8) Diethyl Ether	2.18	74	78262	19.701	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	103036	19.274	ug/l	98
10) Methyl Iodide	2.50	142	121438	18.704	ug/l	98
11) Tert butyl alcohol	3.04	59	130340	83.396	ug/l	99
12) 1,1-Dichloroethene	2.36	96	103108	19.340	ug/l	95
13) Acrolein	2.28	56	69453	75.486	ug/l	100
14) Allyl chloride	2.72	41	188334	19.482	ug/l	99
15) Acrylonitrile	3.13	53	314077	95.565	ug/l	99
16) Acetone	2.44	43	442352	130.969	ug/l	99
17) Carbon Disulfide	2.56	76	289015	18.978	ug/l	99
18) Methyl Acetate	2.76	43	157554	18.036	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	347847	19.657	ug/l	97
20) Methylene Chloride	2.85	84	122540	19.786	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	112594	19.351	ug/l	98
22) Diisopropyl ether	3.84	45	379412	20.286	ug/l	98
23) Vinyl Acetate	3.80	43	1591288	102.476	ug/l	100
24) 1,1-Dichloroethane	3.69	63	202585	19.815	ug/l	98
25) 2-Butanone	4.66	43	531013	110.165	ug/l	100
26) 2,2-Dichloropropane	4.57	77	159499	18.932	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	129255	19.357	ug/l	98
28) Bromochloromethane	5.00	49	83871	23.237	ug/l	99
29) Tetrahydrofuran	5.12	42	278007	95.681	ug/l	98
30) Chloroform	5.20	83	198154	19.149	ug/l	100
31) Cyclohexane	5.57	56	188485	19.501	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	165760	19.179	ug/l	100
36) 1,1-Dichloropropene	5.79	75	150043	19.299	ug/l	99
37) Ethyl Acetate	4.82	43	176262	20.322	ug/l	100
38) Carbon Tetrachloride	5.78	117	137619	19.190	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014009.D
 Acq On : 13 Dec 2019 15:36
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:46:00 PM

Quant Time: Dec 13 16:53:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	188922	19.624	ug/l	99
40) Benzene	6.14	78	467882	19.717	ug/l	99
41) Methacrylonitrile	5.03	41	98272	20.757	ug/l	97
42) 1,2-Dichloroethane	6.18	62	164380	20.343	ug/l	98
43) Isopropyl Acetate	6.43	43	278854	19.464	ug/l	99
44) Trichloroethene	7.20	130	123460	19.026	ug/l	97
45) 1,2-Dichloropropane	7.51	63	121446	20.417	ug/l	98
46) Dibromomethane	7.65	93	77866	19.342	ug/l	99
47) Bromodichloromethane	7.89	83	146845	19.300	ug/l	98
48) Methyl methacrylate	7.76	41	138872	19.994	ug/l	99
49) 1,4-Dioxane	7.74	88	57224	374.066	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	901825	100.248	ug/l	99
52) Toluene	8.78	92	297851	20.179	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	163783	18.924	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	186886	19.745	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	122064	20.547	ug/l	97
56) Ethyl methacrylate	9.17	69	190229	19.884	ug/l	99
57) 1,3-Dichloropropane	9.37	76	201576	19.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	369372	98.492	ug/l	99
59) 2-Hexanone	9.49	43	751678	106.184	ug/l	98
60) Dibromochloromethane	9.58	129	118485	19.287	ug/l	98
61) 1,2-Dibromoethane	9.67	107	123768	19.532	ug/l	100
64) Tetrachloroethene	9.33	164	124901	20.900	ug/l	98
65) Chlorobenzene	10.14	112	318103	19.673	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	114466	19.771	ug/l	98
67) Ethyl Benzene	10.24	91	554140	19.966	ug/l	99
68) m/p-Xylenes	10.35	106	423145	39.768	ug/l	99
69) o-Xylene	10.70	106	206600	19.910	ug/l	99
70) Styrene	10.71	104	348489	19.907	ug/l	99
71) Bromoform	10.85	173	86794	18.175	ug/l #	100
73) Isopropylbenzene	11.01	105	544940	20.101	ug/l	100
74) N-amyl acetate	10.89	43	252737	20.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	188950	20.130	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	171818m	19.876	ug/l	
77) Bromobenzene	11.25	156	143527	19.642	ug/l	97
78) n-propylbenzene	11.35	91	609085	20.092	ug/l	100
79) 2-Chlorotoluene	11.42	91	367875	20.172	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	457399	20.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	55573	17.623	ug/l	92
82) 4-Chlorotoluene	11.51	91	420244	19.957	ug/l	99
83) tert-Butylbenzene	11.76	119	442556	19.713	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	457262	20.233	ug/l	100
85) sec-Butylbenzene	11.94	105	513400	19.872	ug/l	100
86) p-Isopropyltoluene	12.06	119	475332	19.806	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	249596	19.556	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	246732	18.953	ug/l	99
89) n-Butylbenzene	12.38	91	390195	19.038	ug/l	99
90) Hexachloroethane	12.59	117	82875	19.051	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	251890	19.914	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37989	18.769	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
Data File : VX014009.D
Acq On : 13 Dec 2019 15:36
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

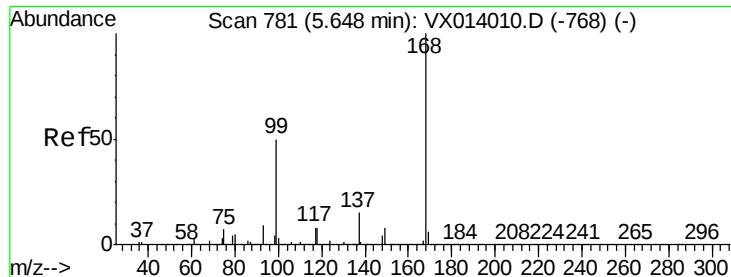
Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM

Quant Time: Dec 13 16:53:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 16:34:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	156382	17.900	ug/l	98
94) Hexachlorobutadiene	13.78	225	74336	17.583	ug/l	97
95) Naphthalene	13.83	128	485683	18.715	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	159787	18.389	ug/l	99

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



#1

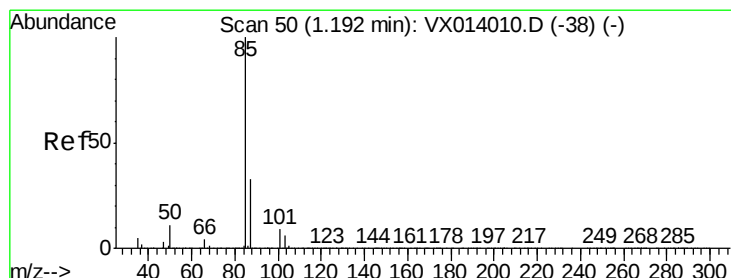
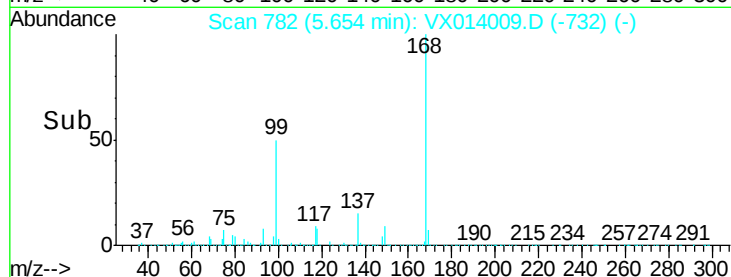
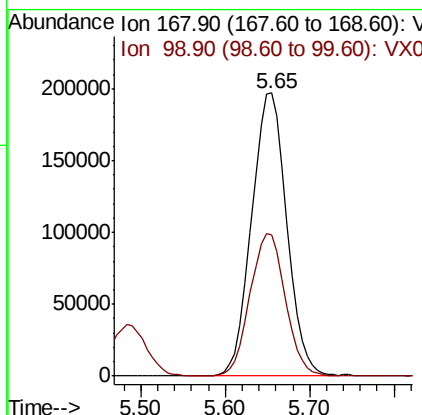
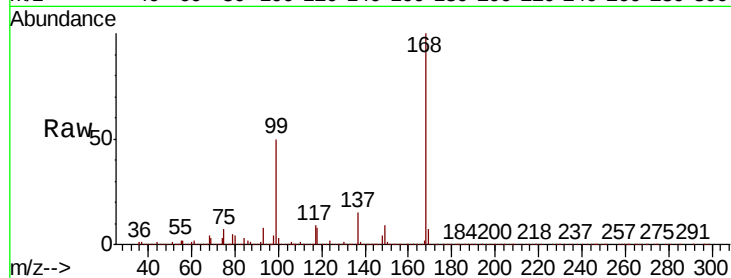
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.8	40.3	60.5

Manual Integrations
 APPROVED

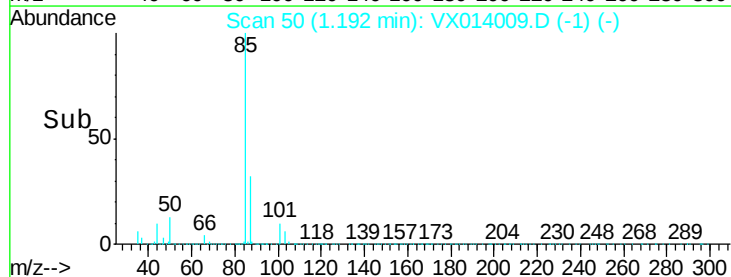
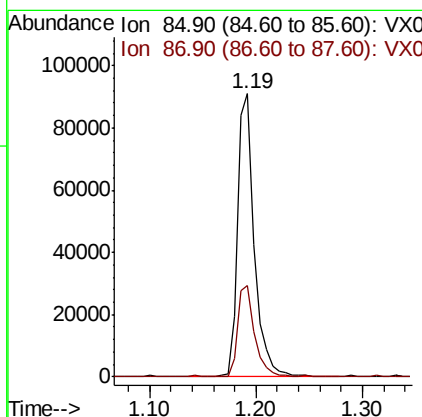
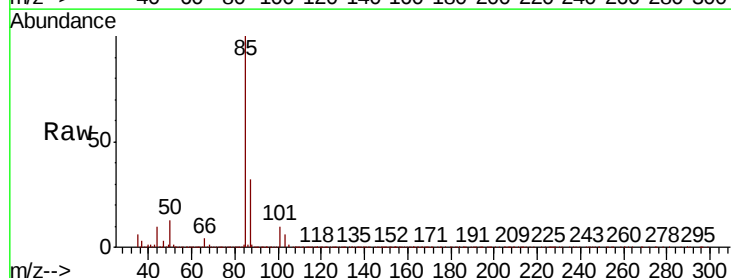
apatel
 12/16/2019 12:46:00 PM

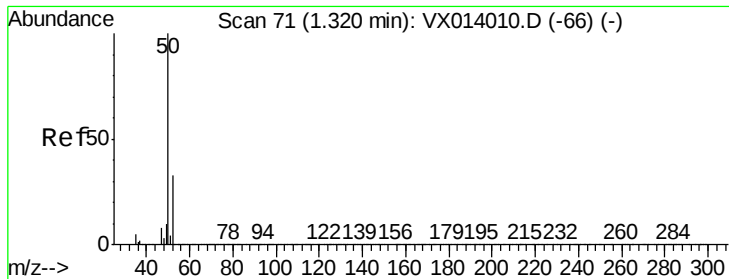


#2

Dichlorodifluoromethane
 Concen: 16.693 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.4	49.2





#3

Chloromethane

Concen: 19.355 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 134379

Ion Ratio Lower Upper

50 100

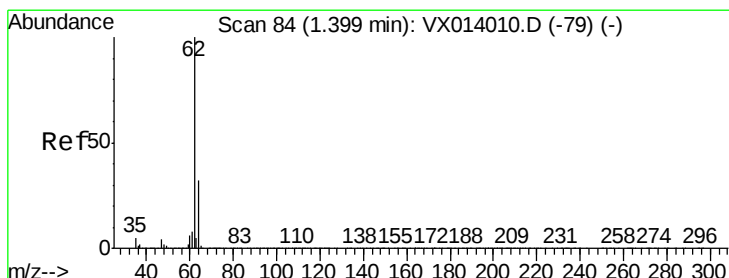
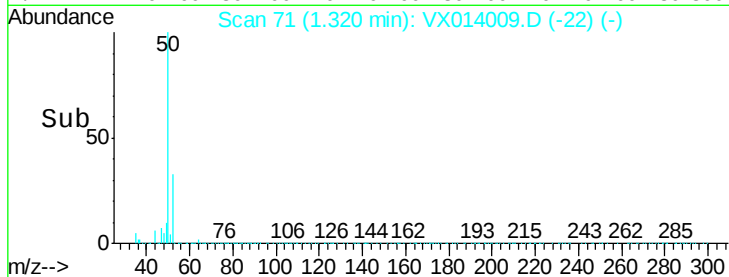
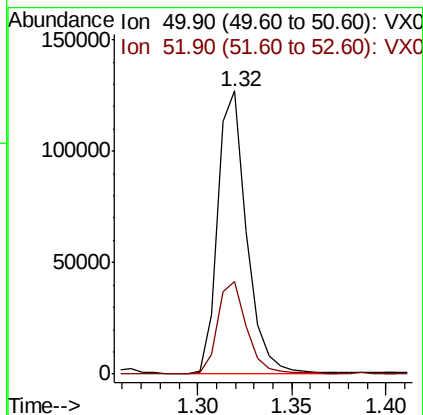
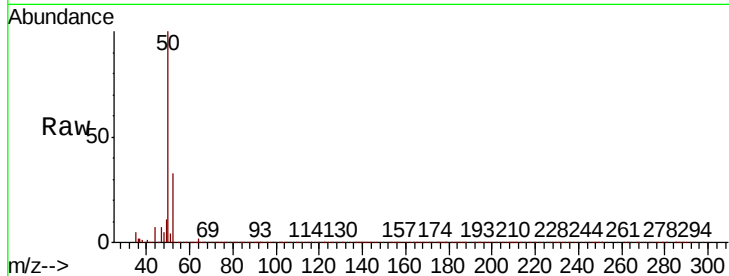
52 32.7 26.2 39.4

Manual Integrations

APPROVED

apatel

12/16/2019 12:46:00 PM



#4

Vinyl Chloride

Concen: 17.985 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX014009.D

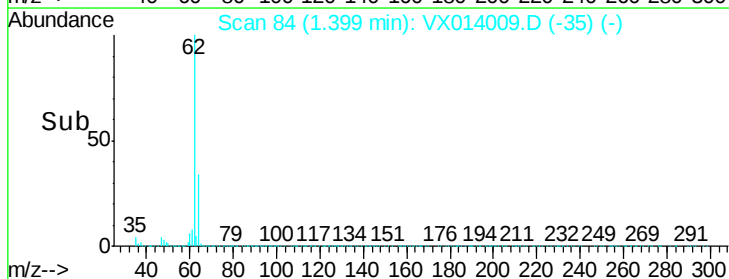
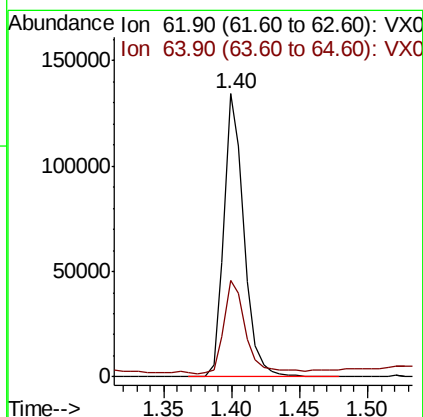
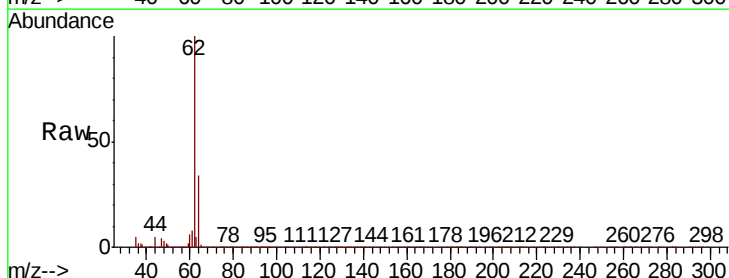
Acq: 13 Dec 2019 15:36

Tgt Ion: 62 Resp: 138115

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5





#5

Bromomethane

Concen: 18.548 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 97452

Ion Ratio Lower Upper

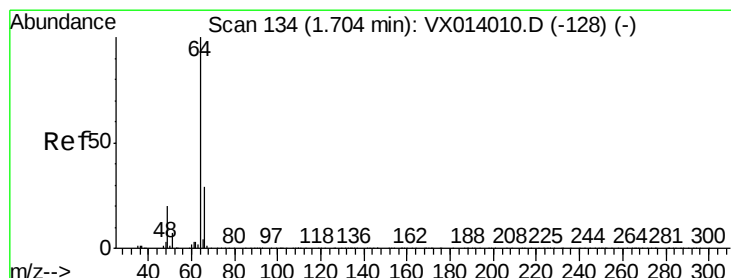
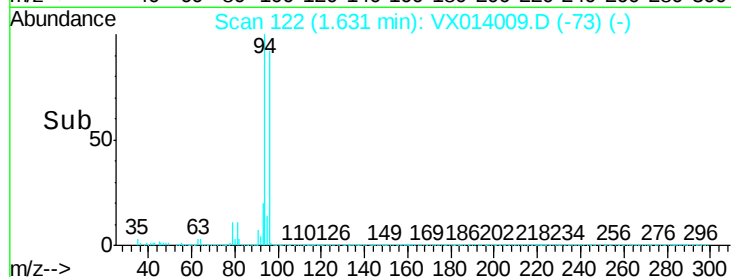
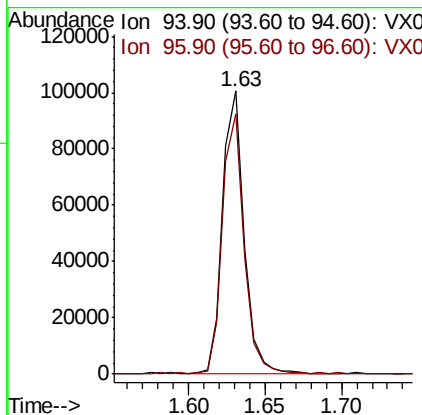
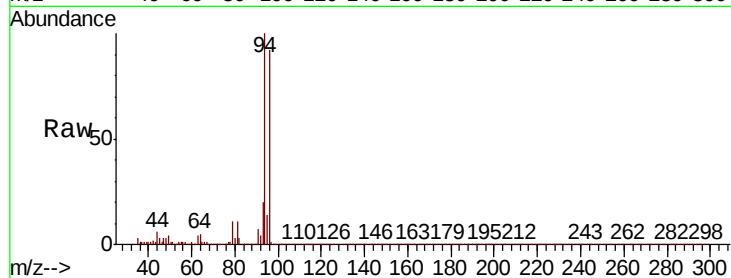
94 100

96 91.8 75.2 112.8

Manual Integrations
APPROVED

apatel

12/16/2019 12:46:00 PM



#6

Chloroethane

Concen: 18.891 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX014009.D

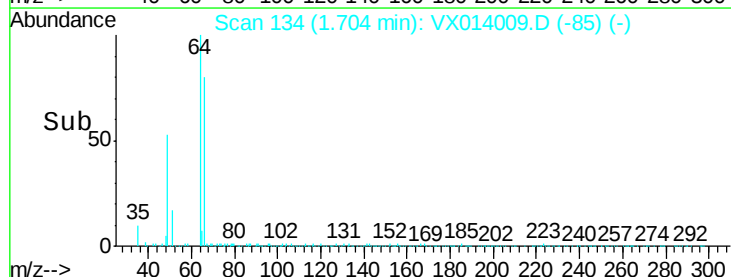
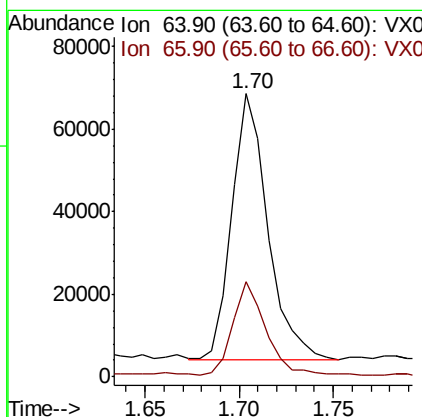
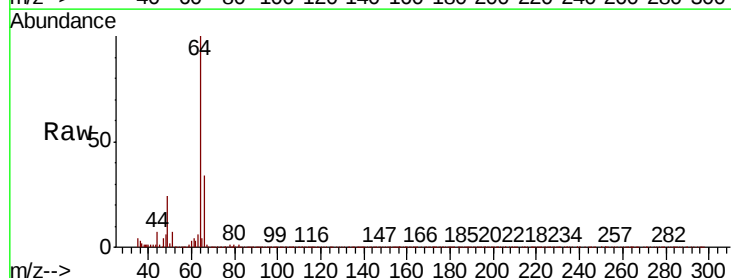
Acq: 13 Dec 2019 15:36

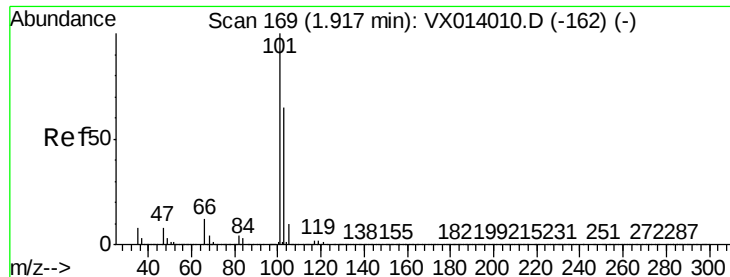
Tgt Ion: 64 Resp: 84586

Ion Ratio Lower Upper

64 100

66 34.8 23.4 35.2





#7

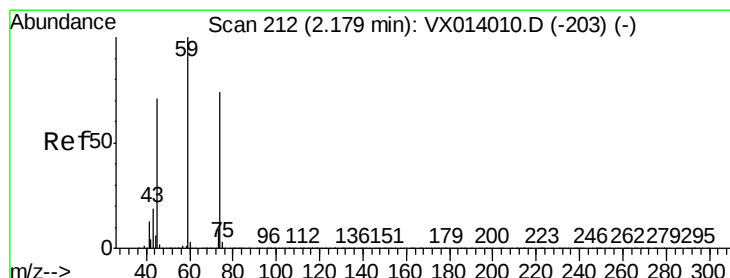
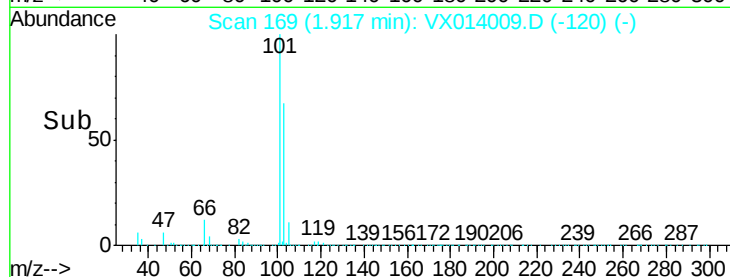
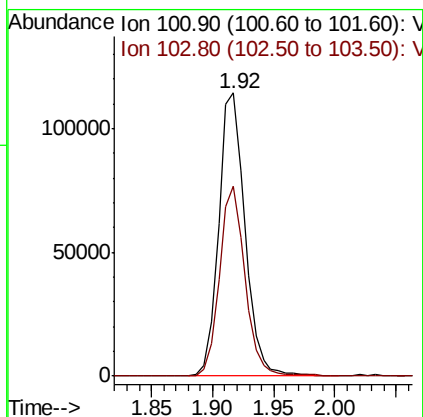
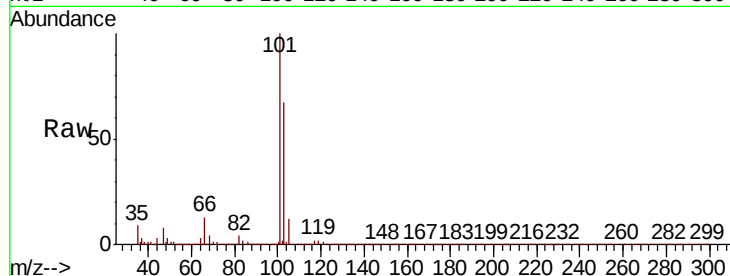
Trichlorofluoromethane
Concen: 19.562 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.2	78.4

Manual Integrations
APPROVED

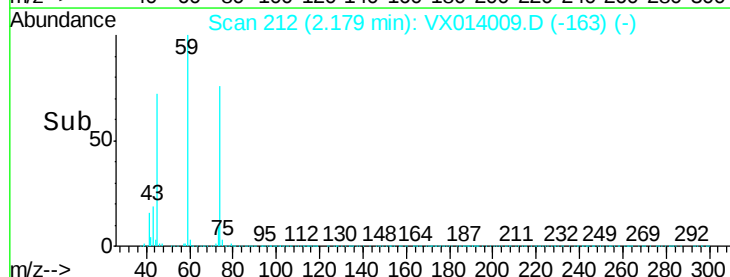
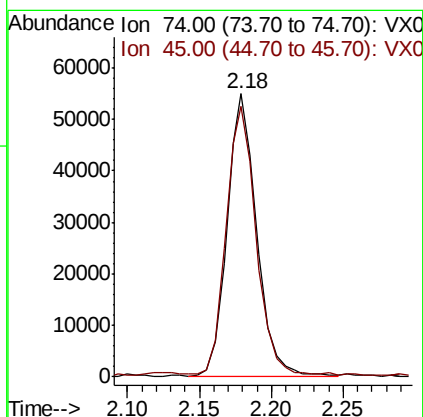
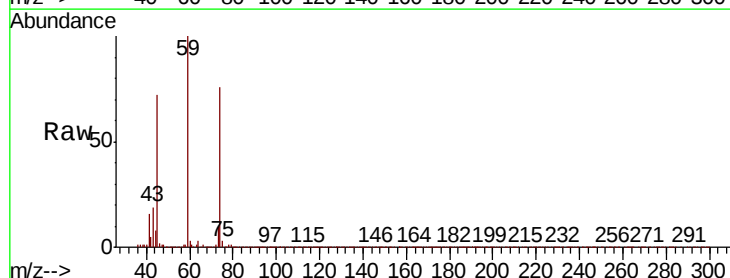
apatel
12/16/2019 12:46:00 PM



#8

Diethyl Ether
Concen: 19.701 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.274 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

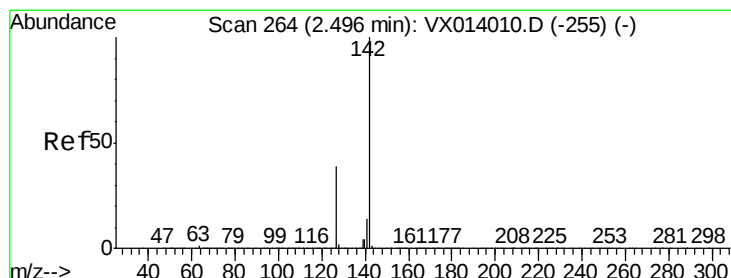
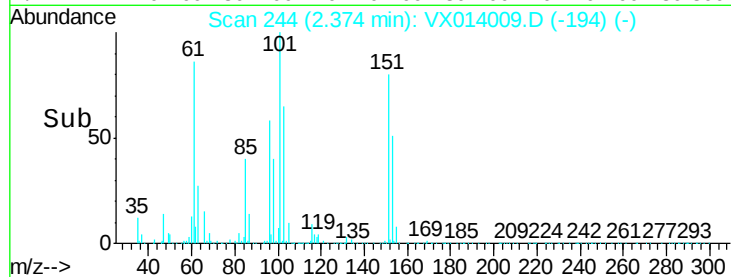
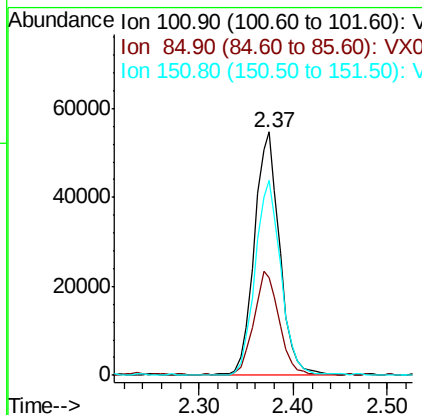
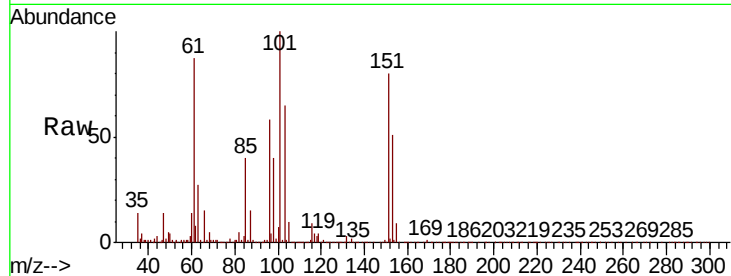
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	103036
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.7	50.5
151	82.8	64.5	96.7

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#10

Methyl Iodide

Concen: 18.704 ug/l

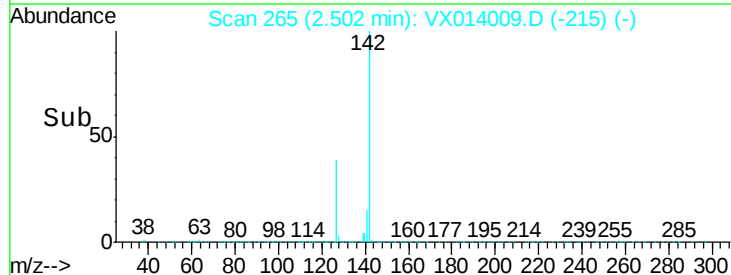
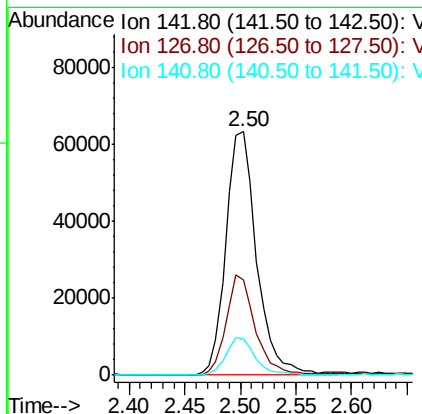
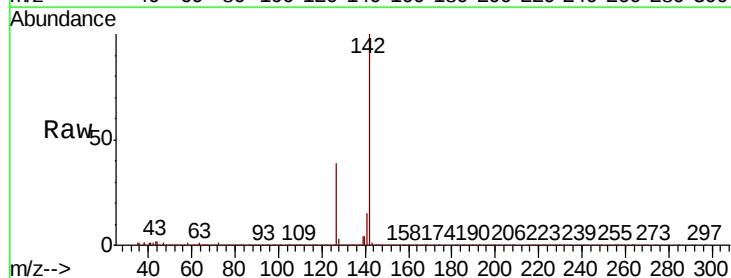
RT: 2.50 min Scan# 265

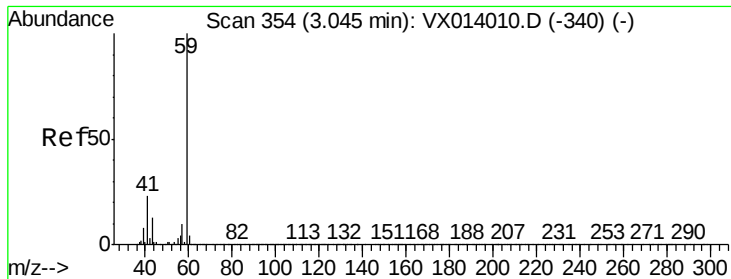
Delta R.T. 0.01 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion:	142	Resp:	121438
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.6	47.4
141	14.1	11.6	17.4





#11

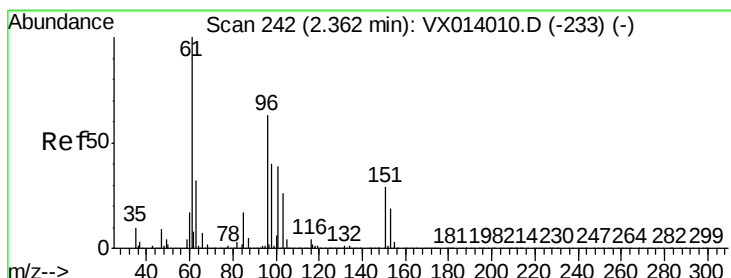
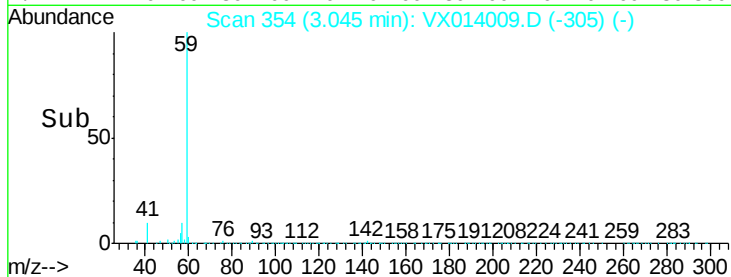
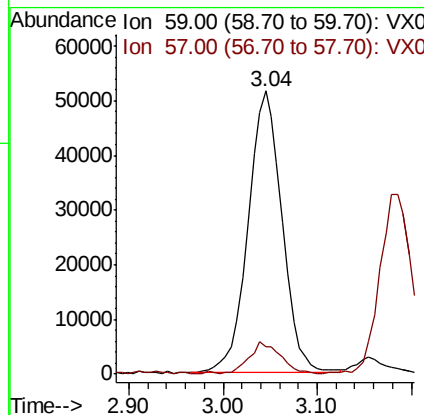
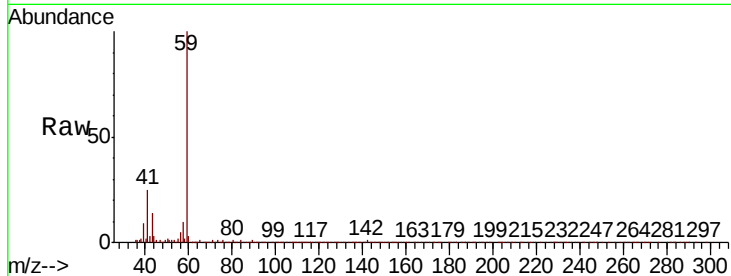
Tert butyl alcohol
Concen: 83.396 ug/l
RT: 3.04 min Scan# 354
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.4	12.6

Manual Integrations
APPROVED

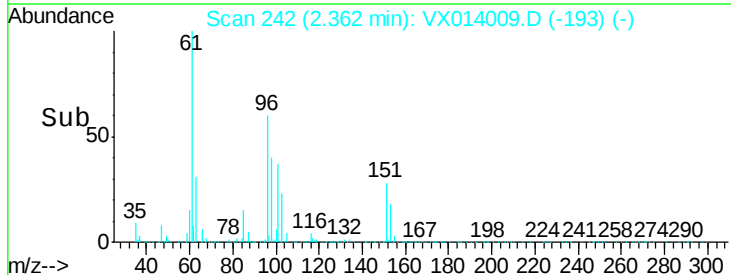
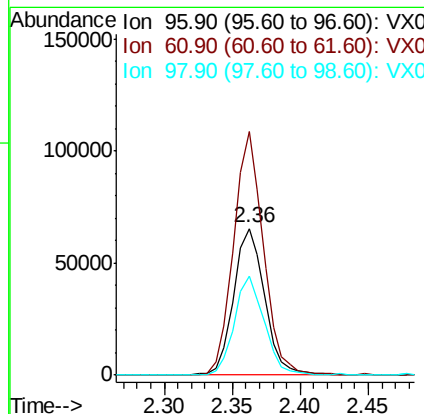
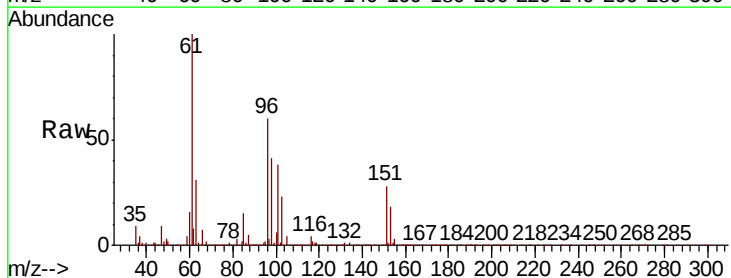
apatel
12/16/2019 12:46:00 PM

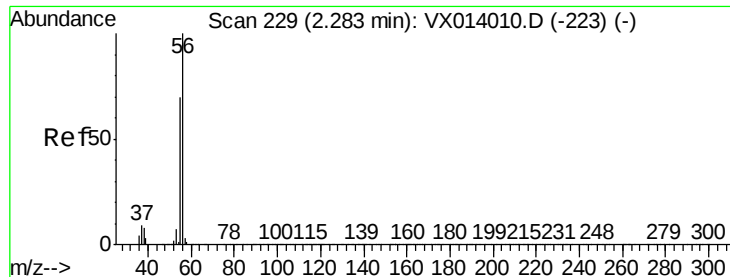


#12

1,1-Dichloroethene
Concen: 19.340 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.7	127.9	191.9
98	67.2	50.5	75.7





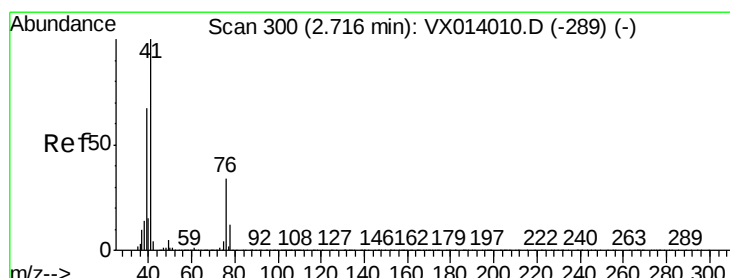
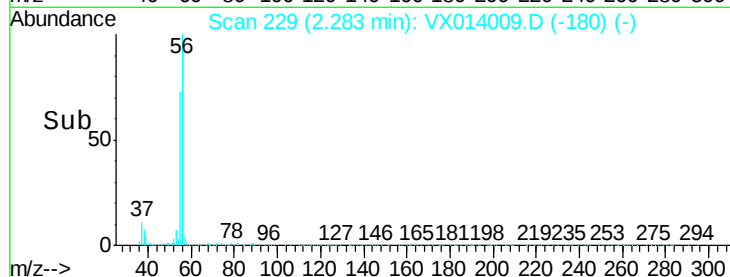
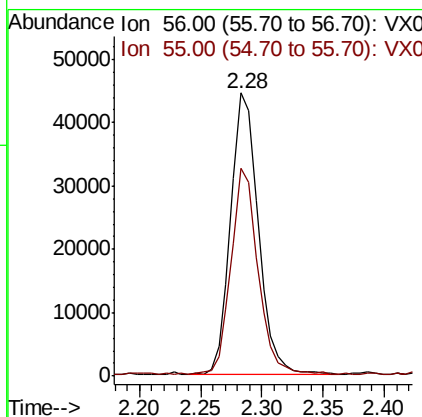
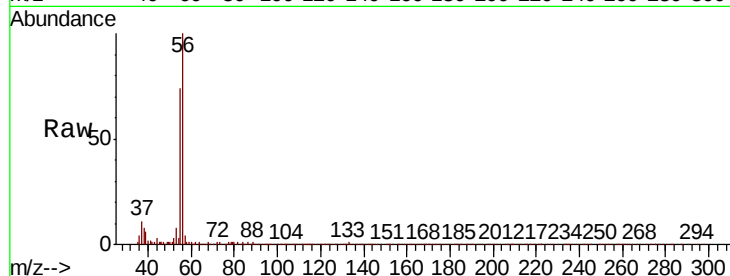
#13
Acrolein
Concen: 75.486 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.9	85.3

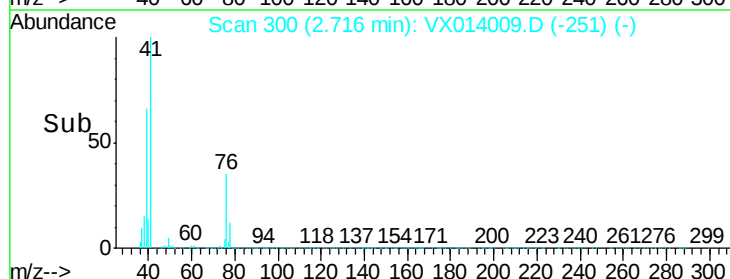
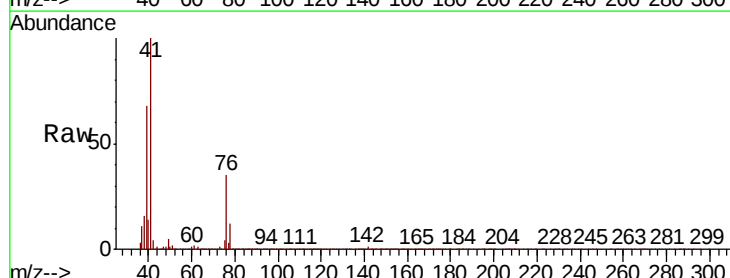
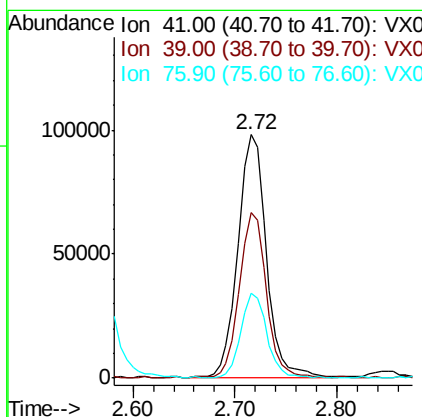
Manual Integrations
APPROVED

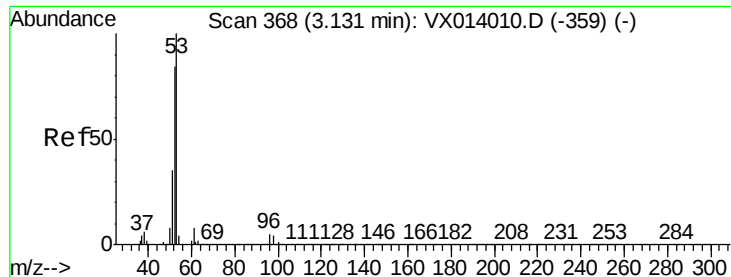
apatel
12/16/2019 12:46:00 PM



#14
Allyl chloride
Concen: 19.482 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.5	51.8	77.8
76	31.5	25.9	38.9





#15

Acrylonitrile

Concen: 95.565 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

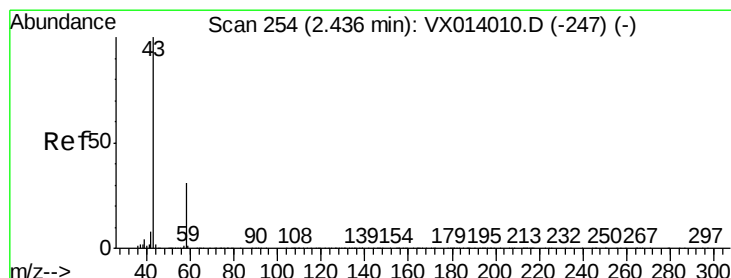
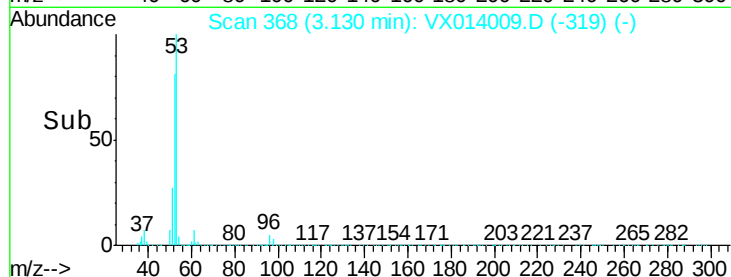
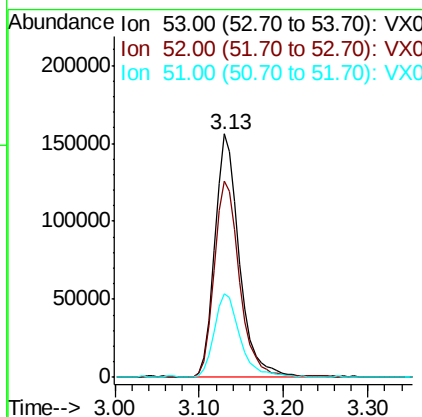
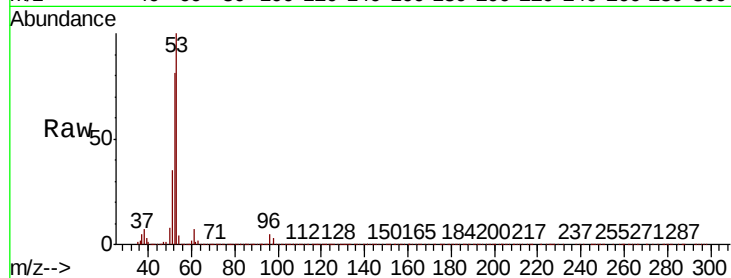
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	314077
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.5	99.7
51	35.7	28.1	42.1

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#16

Acetone

Concen: 130.969 ug/l

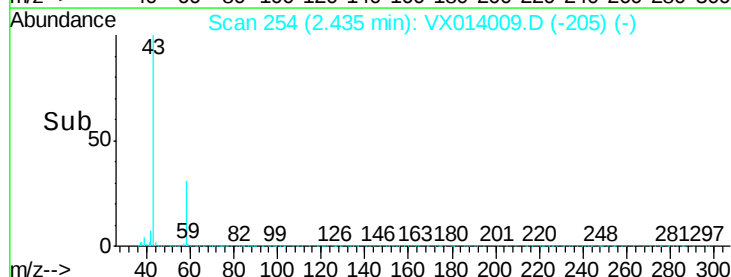
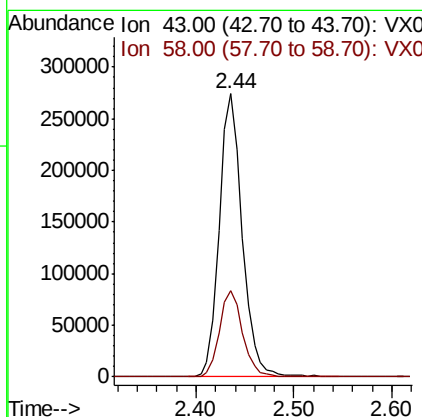
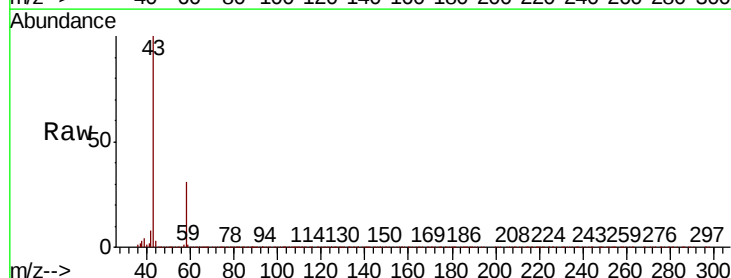
RT: 2.44 min Scan# 254

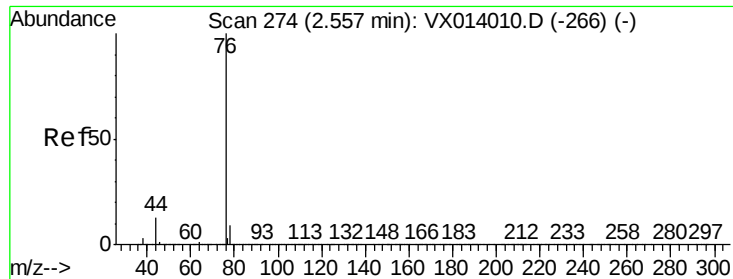
Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion:	43	Resp:	442352
Ion Ratio		Lower	Upper
43	100		
58	30.6	24.9	37.3





#17

Carbon Disulfide

Concen: 18.978 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 289015

Ion Ratio Lower Upper

76 100

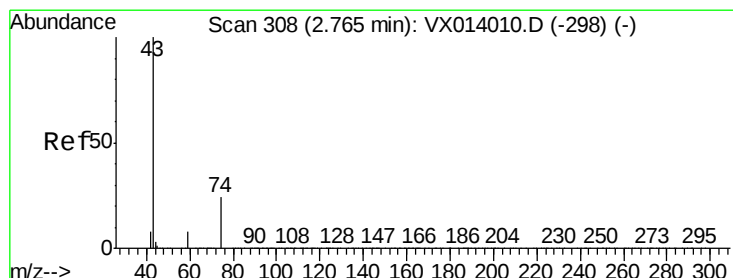
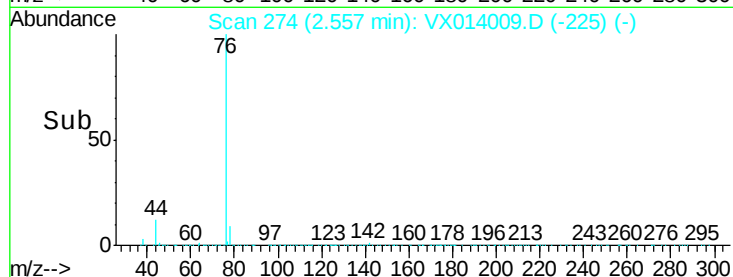
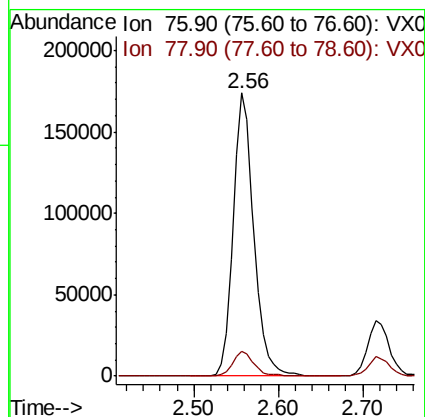
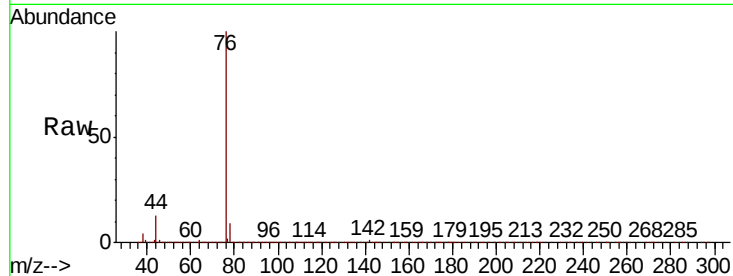
78 8.5 7.2 10.8

Manual Integrations

APPROVED

apatel

12/16/2019 12:46:00 PM



#18

Methyl Acetate

Concen: 18.036 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX014009.D

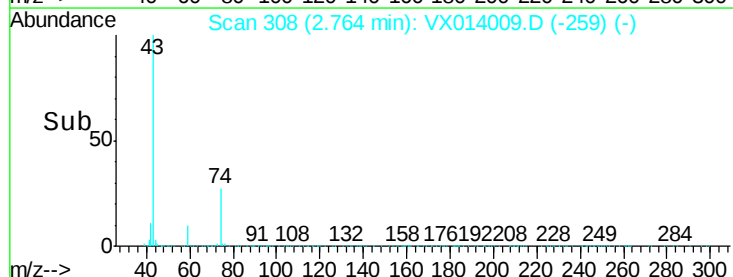
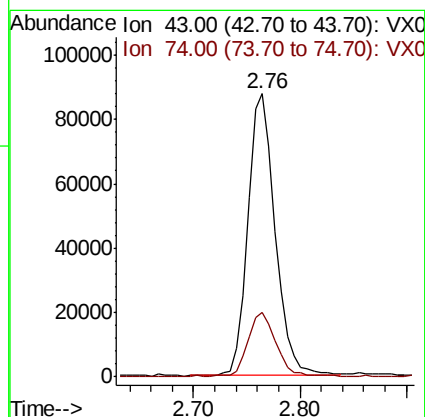
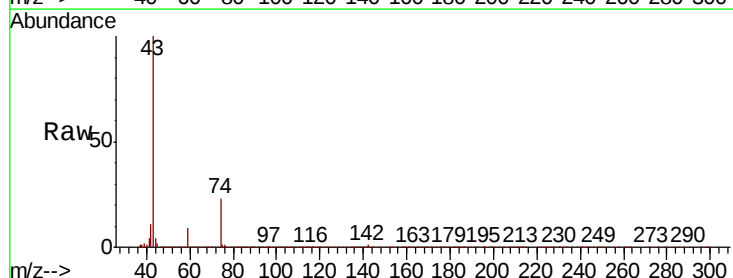
Acq: 13 Dec 2019 15:36

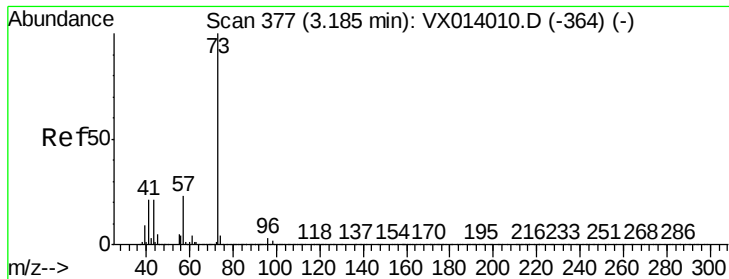
Tgt Ion: 43 Resp: 157554

Ion Ratio Lower Upper

43 100

74 23.1 19.5 29.3





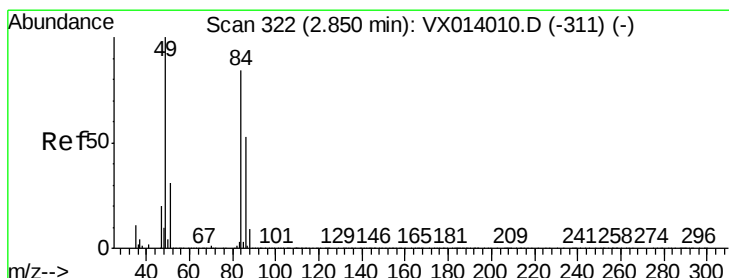
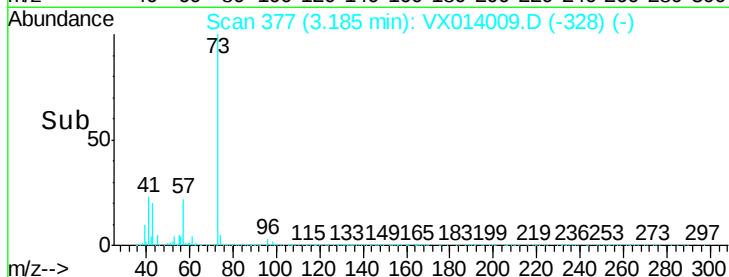
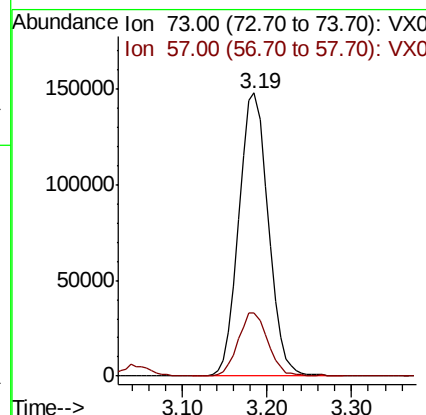
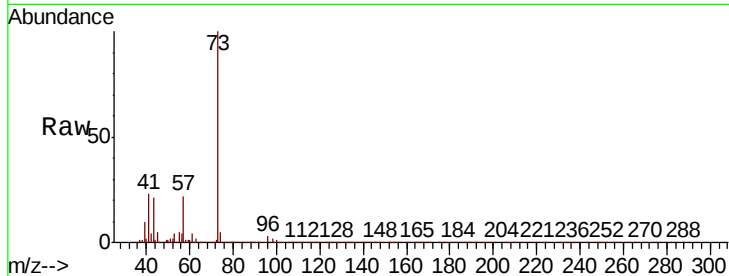
#19
Methvl tert-butvl Ether
Concen: 19.657 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.8	28.2

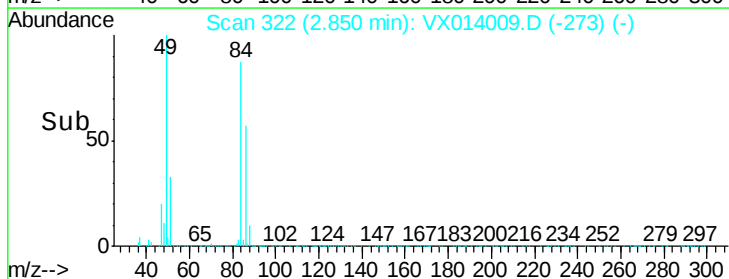
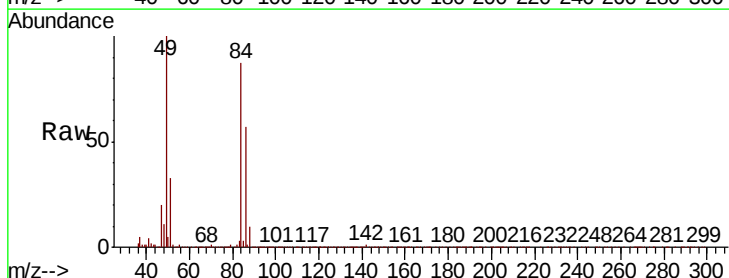
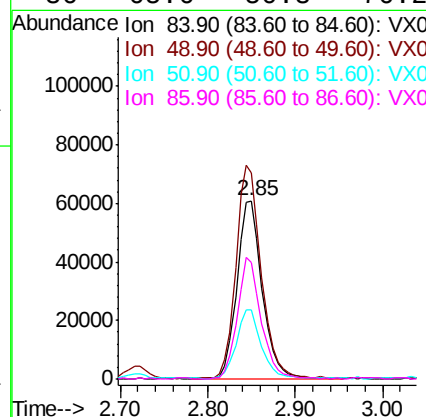
Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#20
Methylene Chloride
Concen: 19.786 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.3	95.8	143.6
51	38.2	29.8	44.8
86	65.6	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 19.351 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

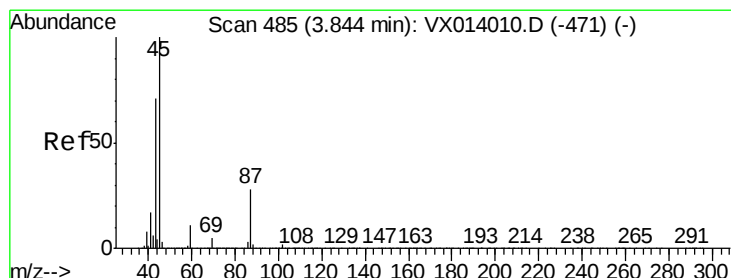
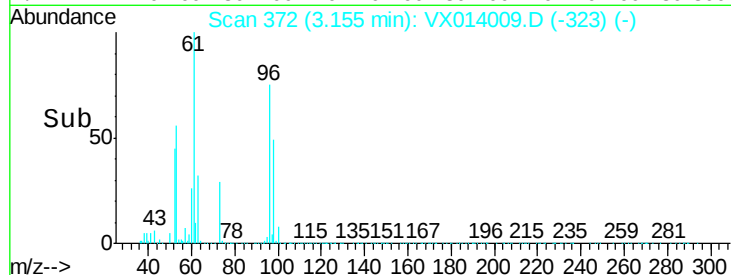
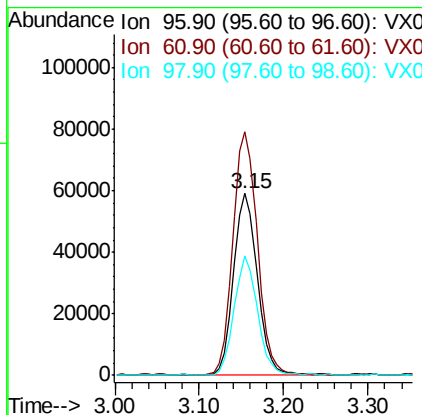
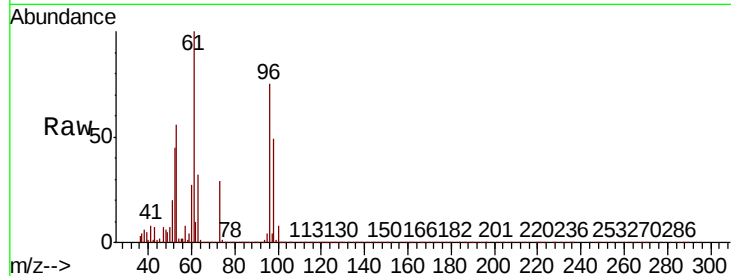
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	112594
Ion	Ratio	Lower	Upper
96	100		
61	134.0	108.3	162.5
98	65.7	50.8	76.2

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#22

Diisopropyl ether

Concen: 20.286 ug/l

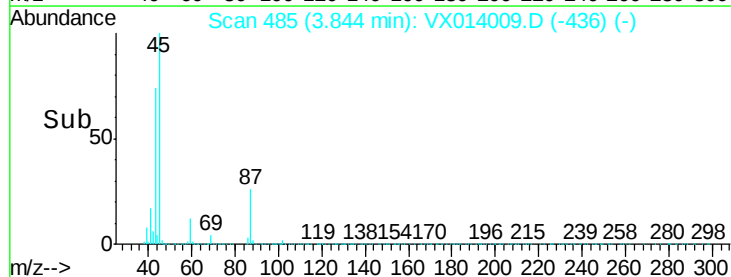
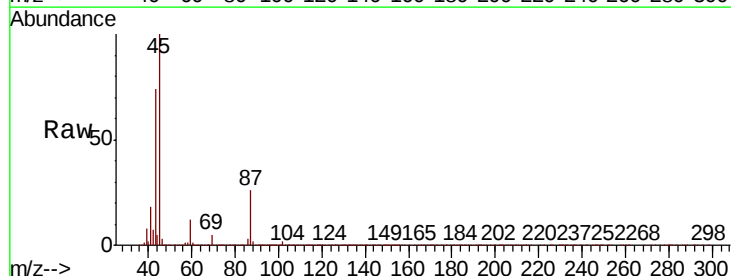
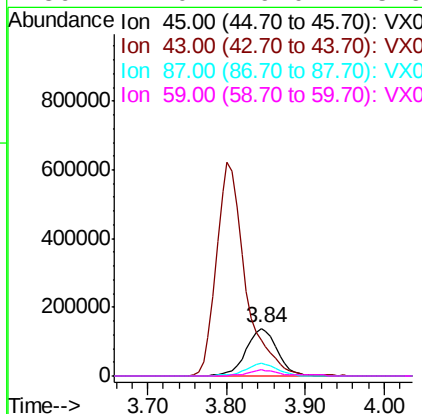
RT: 3.84 min Scan# 485

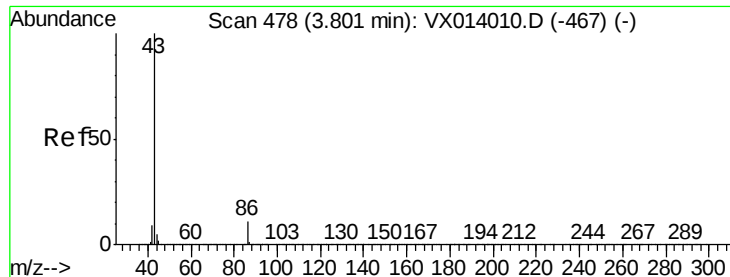
Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion:	45	Resp:	379412
Ion	Ratio	Lower	Upper
45	100		
43	73.6	57.4	86.0
87	26.2	21.9	32.9
59	12.0	9.0	13.6





#23

Vinyl Acetate

Concen: 102.476 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tot Ion: 43 Resp: 1591288

Ion Ratio Lower Upper

43 100

86 10.7 8.6 12.8

Instrument :

MSVOA_X

ClientSampleId :

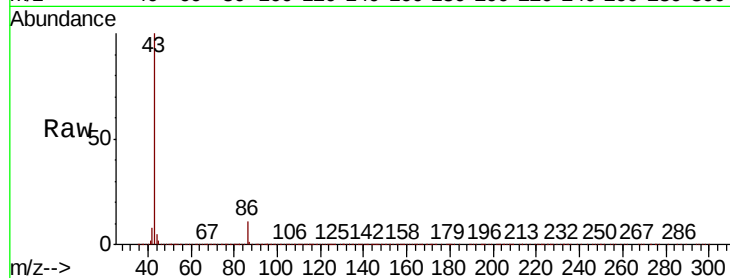
VSTDIC020

Manual Integrations

APPROVED

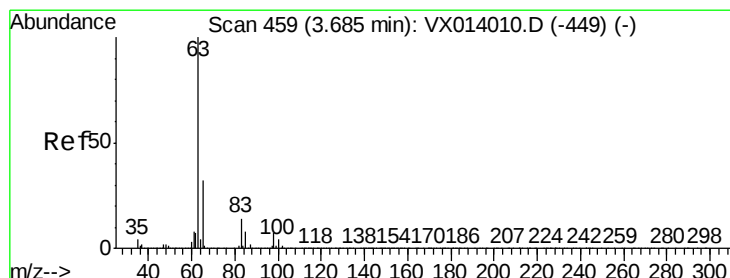
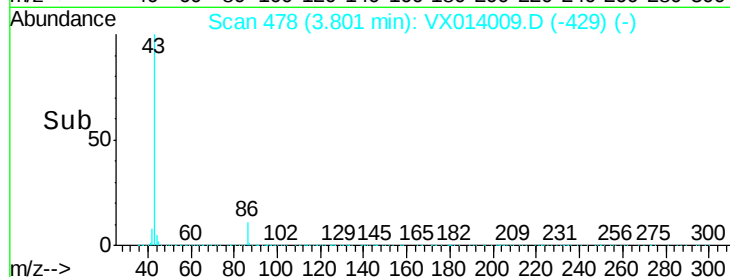
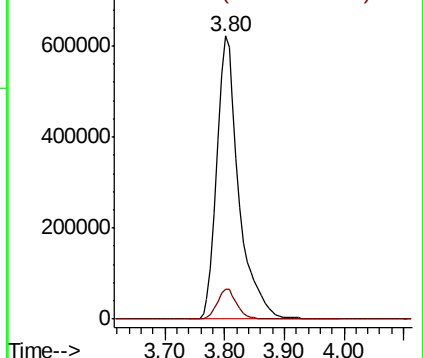
apatel

12/16/2019 12:46:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.815 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

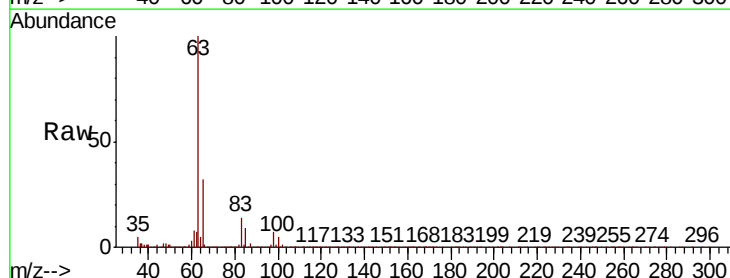
Tgt Ion: 63 Resp: 202585

Ion Ratio Lower Upper

63 100

98 6.3 3.6 10.8

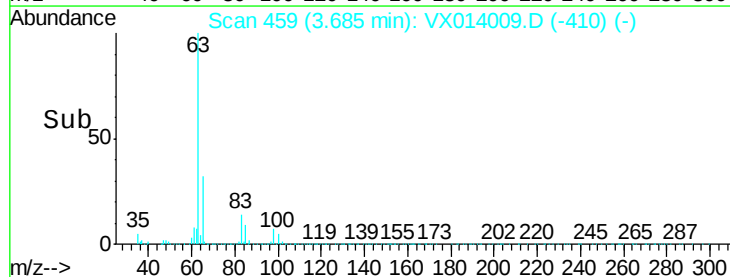
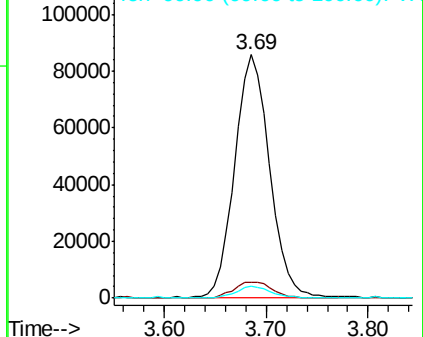
100 4.6 2.3 6.8

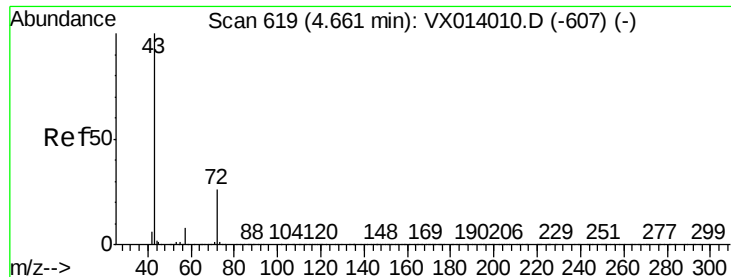


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 110.165 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tot Ion: 43 Resp: 531013

Ion Ratio Lower Upper

43 100

72 26.3 21.0 31.4

Instrument :

MSVOA_X

ClientSampleId :

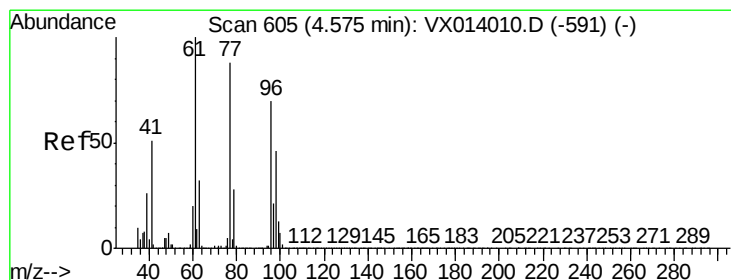
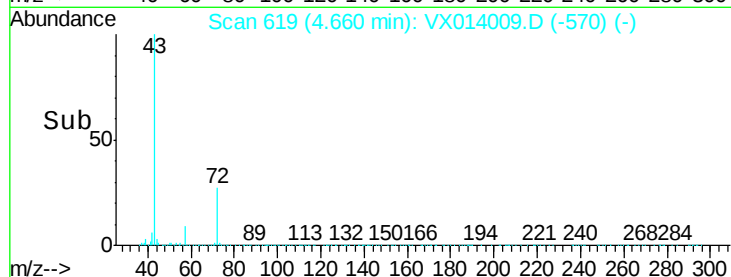
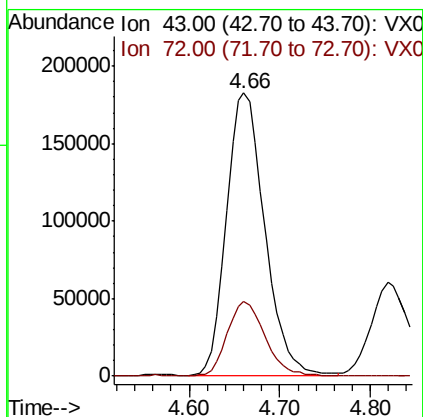
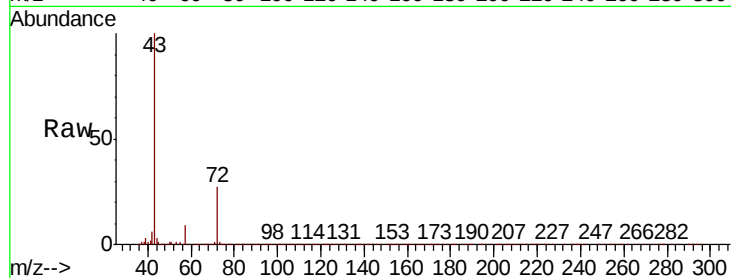
VSTDIC020

Manual Integrations

APPROVED

apatel

12/16/2019 12:46:00 PM



#26

2,2-Dichloropropane

Concen: 18.932 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014009.D

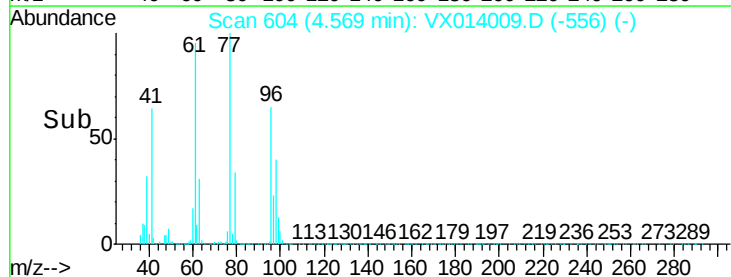
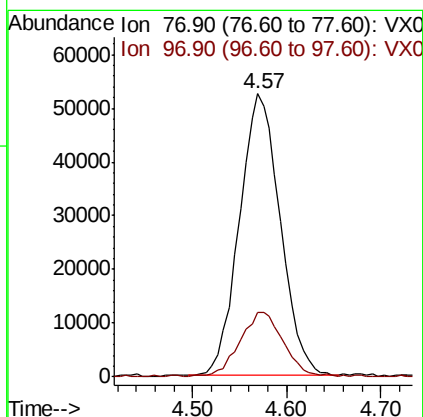
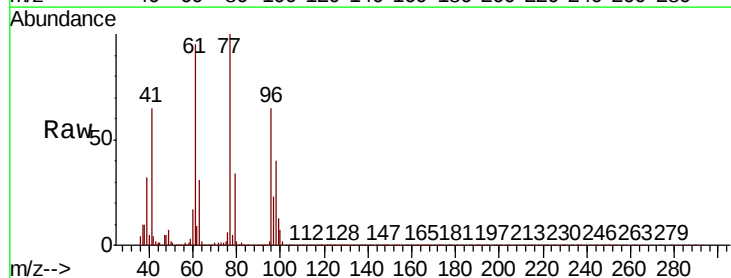
Acq: 13 Dec 2019 15:36

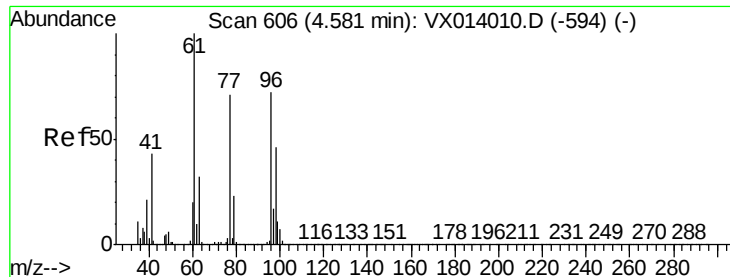
Tgt Ion: 77 Resp: 159499

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.9





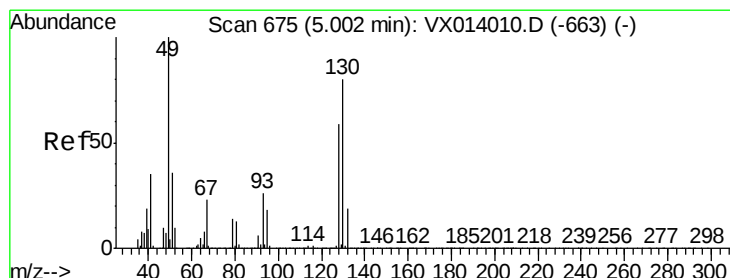
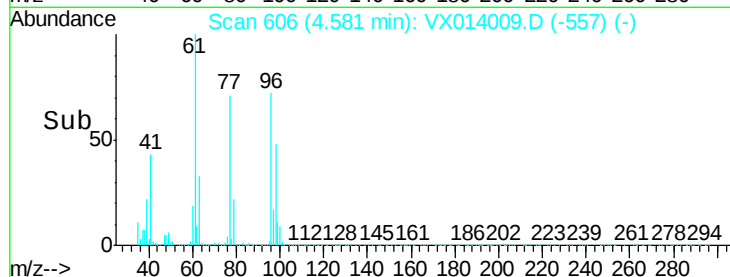
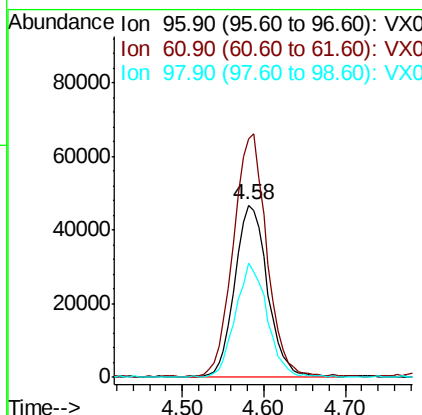
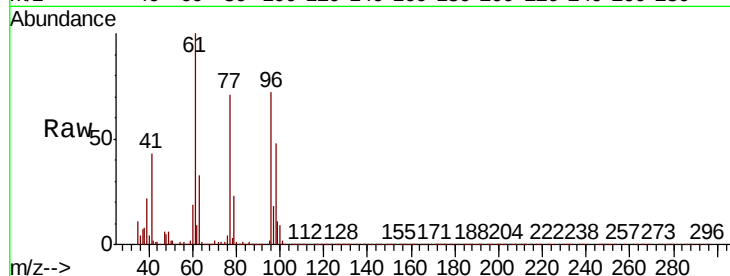
#27
 cis-1,2-Dichloroethene
 Concen: 19.357 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	129255		
61	146.6	0.0	288.4	
98	63.6	0.0	129.6	

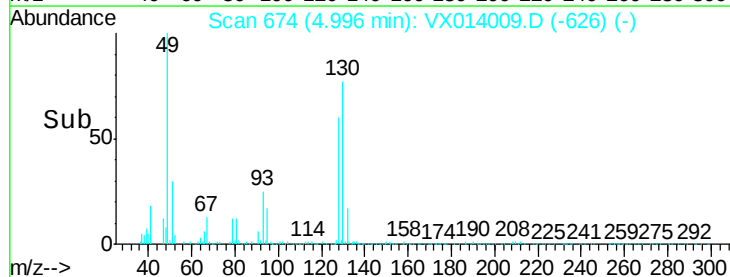
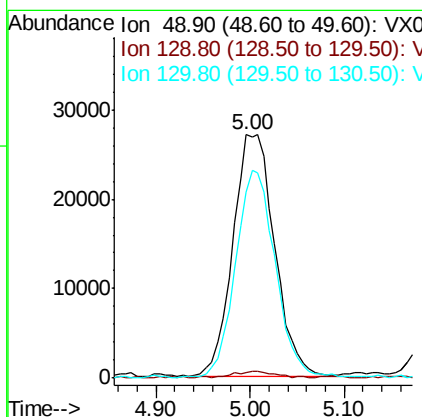
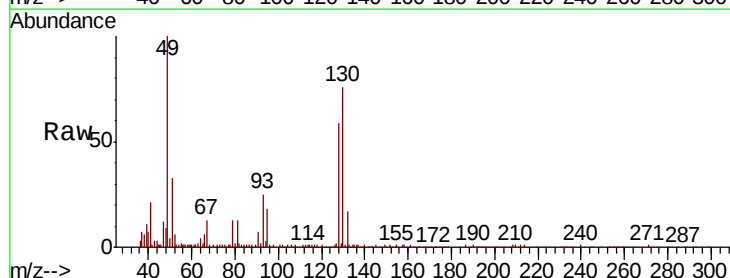
Manual Integrations
 APPROVED

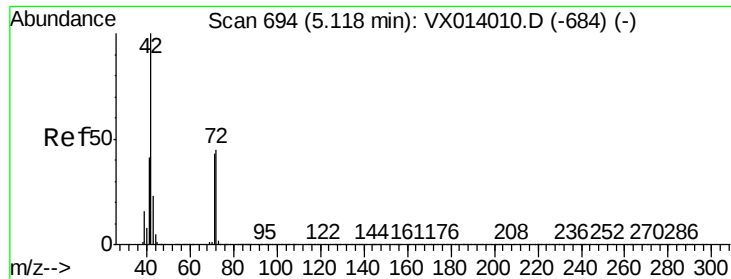
apatel
 12/16/2019 12:46:00 PM



#28
 Bromochloromethane
 Concen: 23.237 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83871		
129	2.9	0.0	5.0	
130	81.3	64.6	97.0	





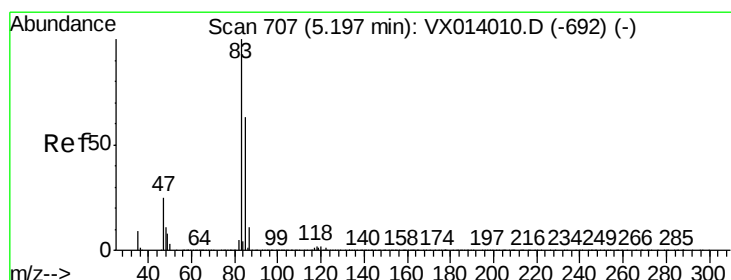
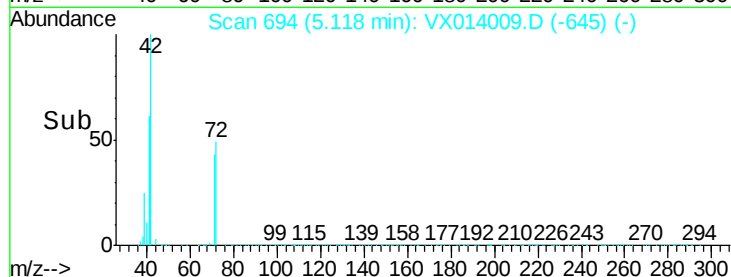
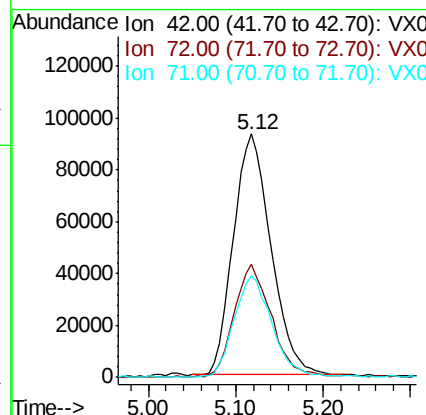
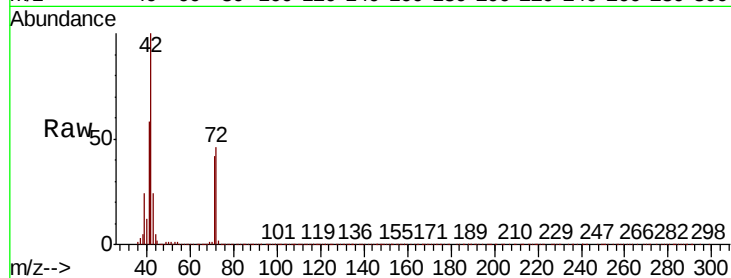
#29
Tetrahydrofuran
Concen: 95.681 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.8	53.8
71	42.7	33.6	50.4

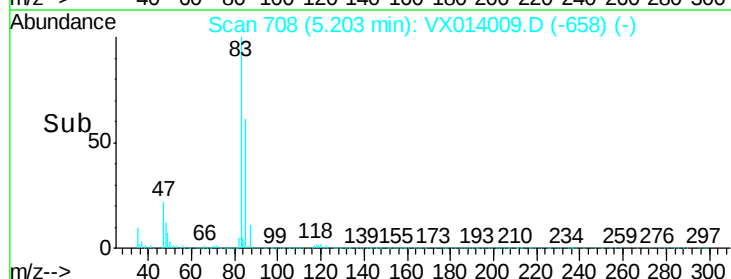
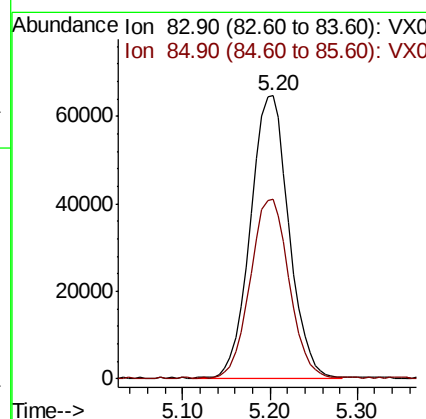
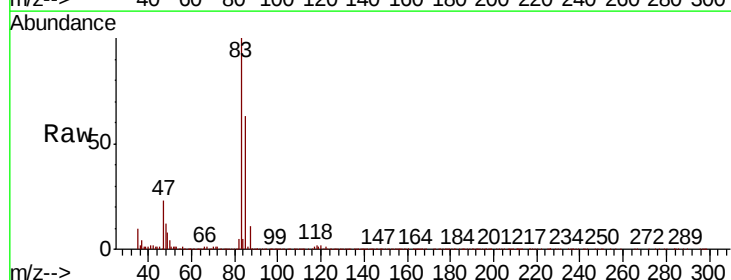
Manual Integrations
APPROVED

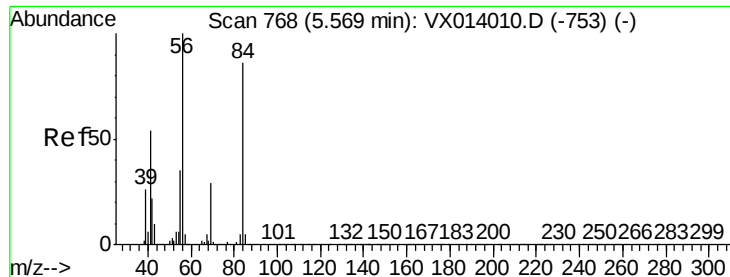
apatel
12/16/2019 12:46:00 PM



#30
Chloroform
Concen: 19.149 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.8	76.2





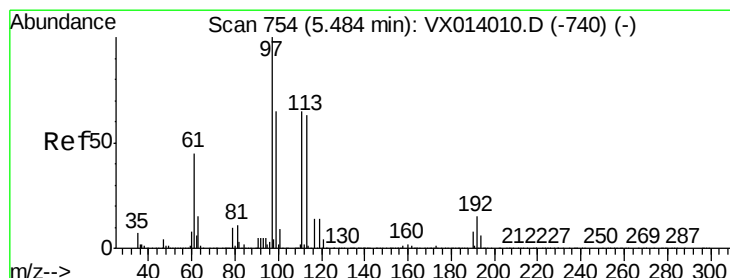
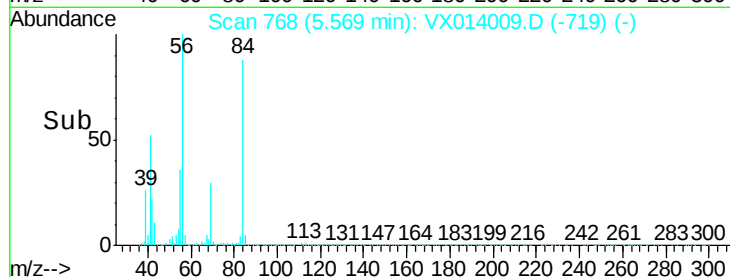
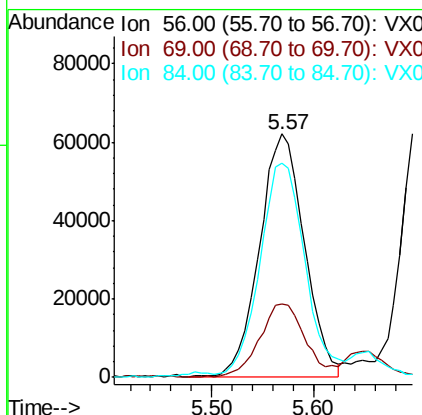
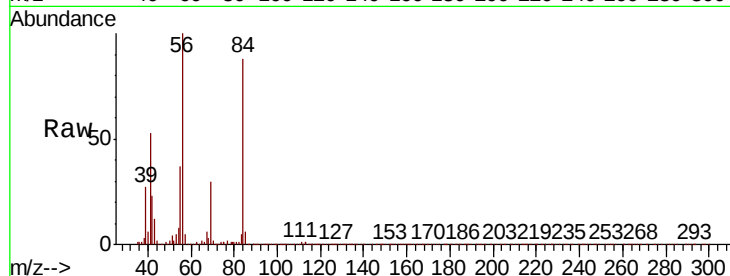
#31
Cyclohexane
Concen: 19.501 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.2	34.8
84	87.4	69.2	103.8

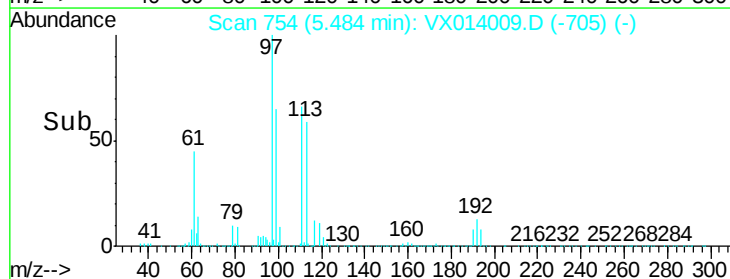
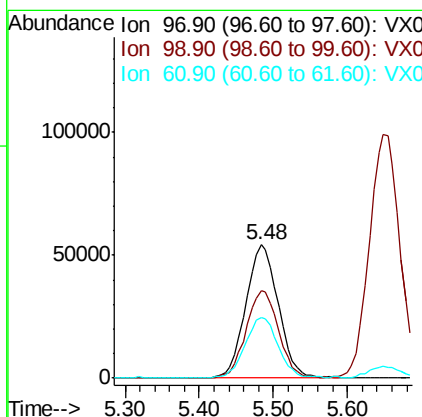
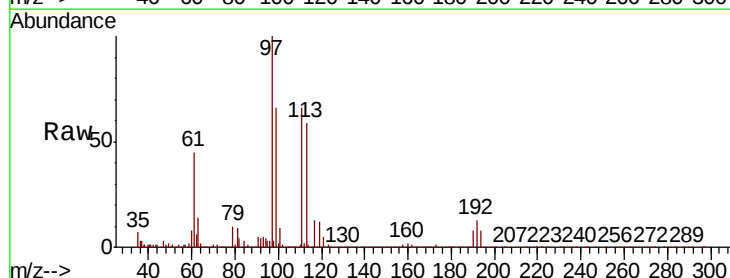
Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#32
1,1,1-Trichloroethane
Concen: 19.179 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.0	78.0
61	46.4	36.7	55.1





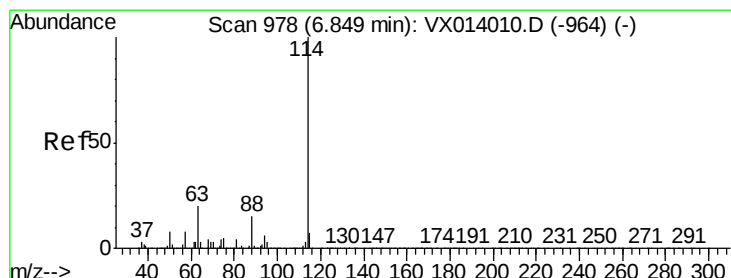
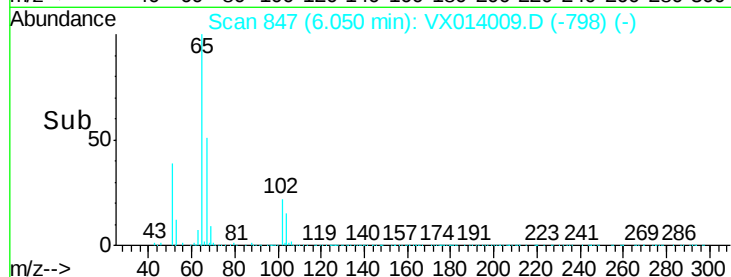
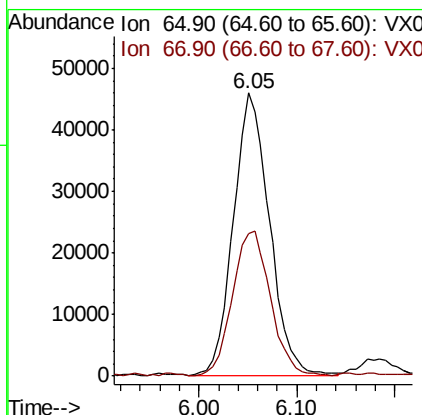
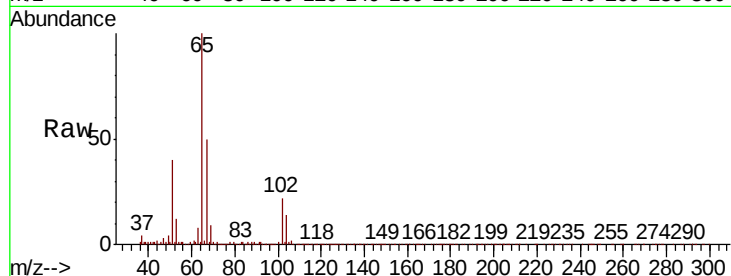
#33
 1,2-Dichloroethane-d4
 Concen: 17.897 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.4

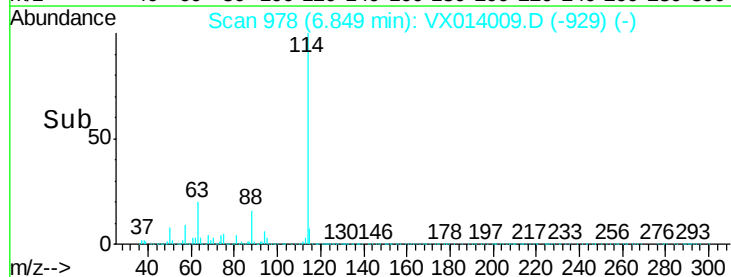
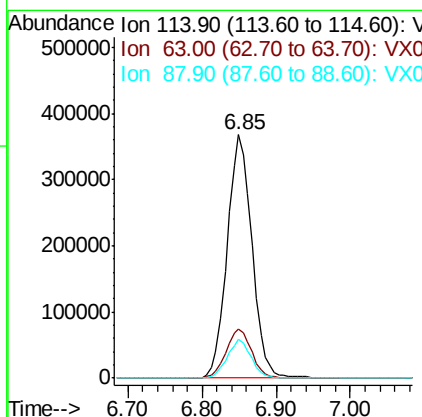
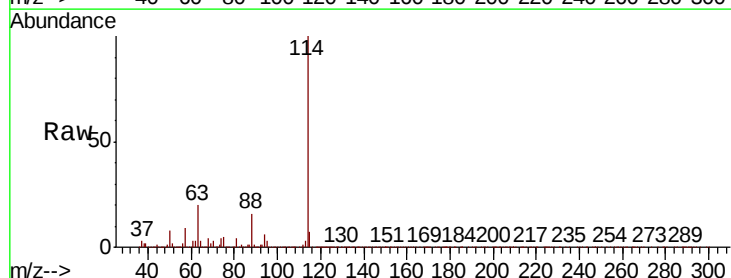
Manual Integrations
 APPROVED

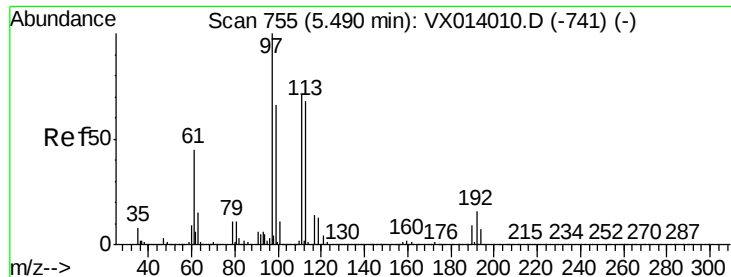
apatel
 12/16/2019 12:46:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	15.8	0.0	30.4





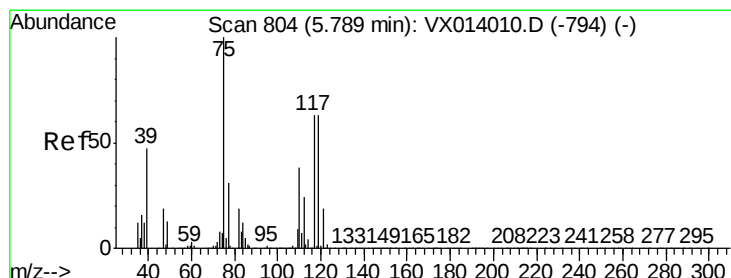
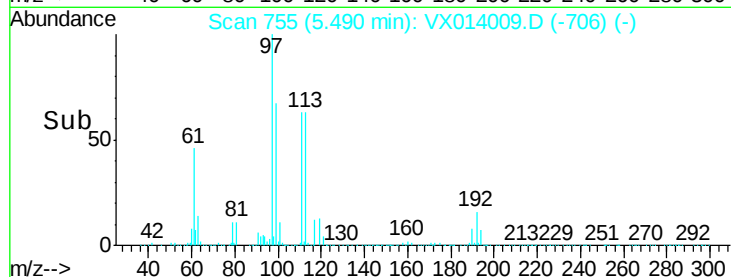
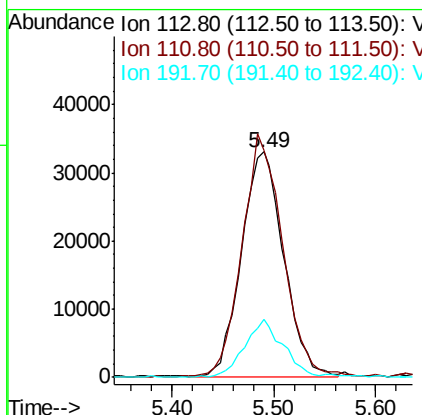
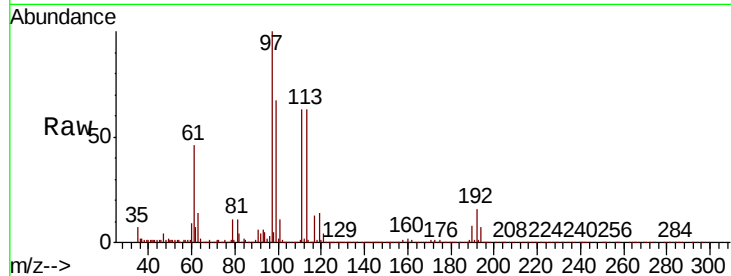
#35
Dibromofluoromethane
Concen: 17.763 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.0	123.0
192	24.5	19.3	28.9

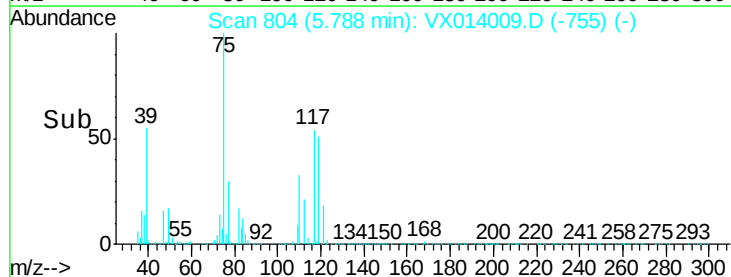
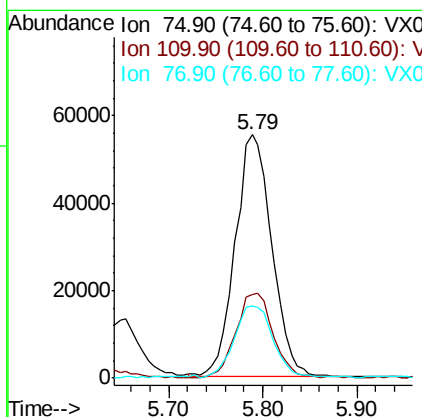
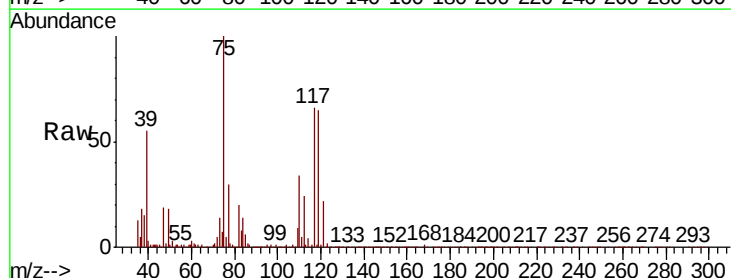
Manual Integrations
APPROVED

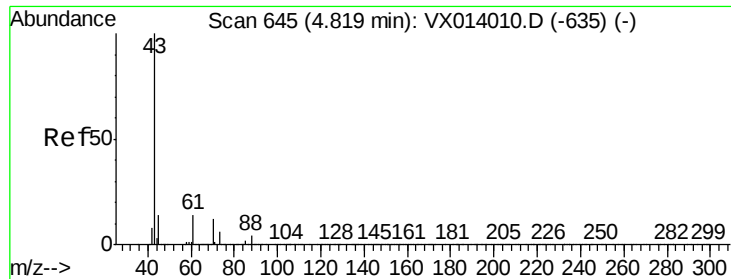
apatel
12/16/2019 12:46:00 PM



#36
1,1-Dichloropropene
Concen: 19.299 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.3	54.9
77	31.2	24.8	37.2





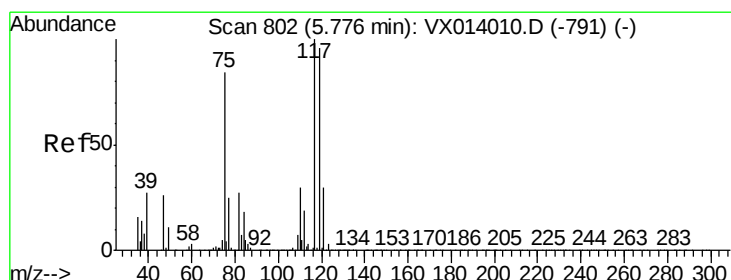
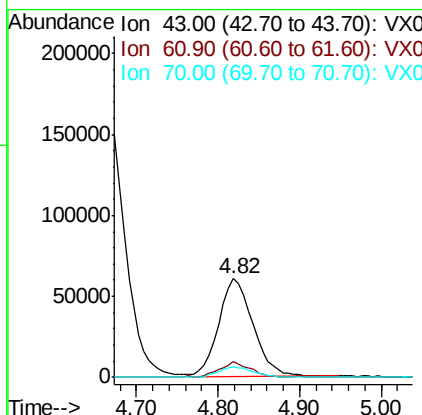
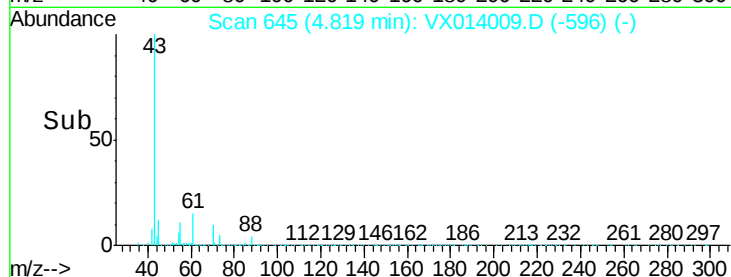
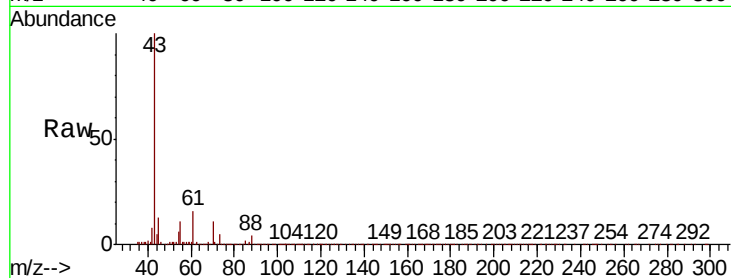
#37
Ethyl Acetate
Concen: 20.322 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	176262
Ion Ratio	Lower	Upper	
43	100		
61	13.6	10.8	16.2
70	10.5	8.6	12.8

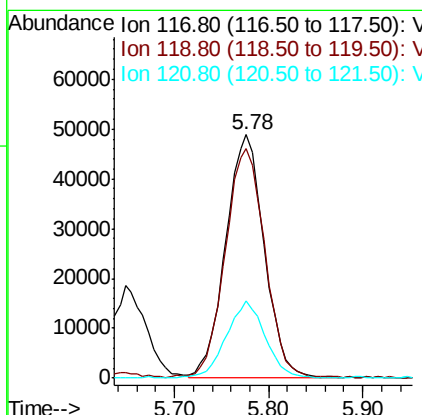
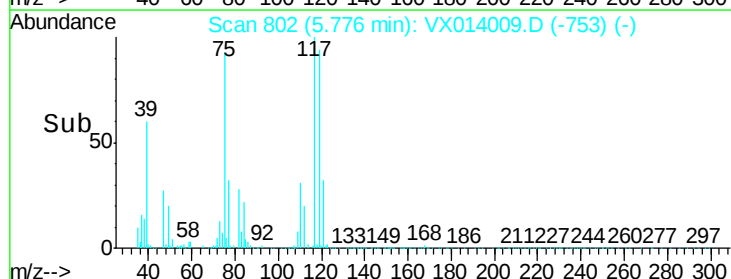
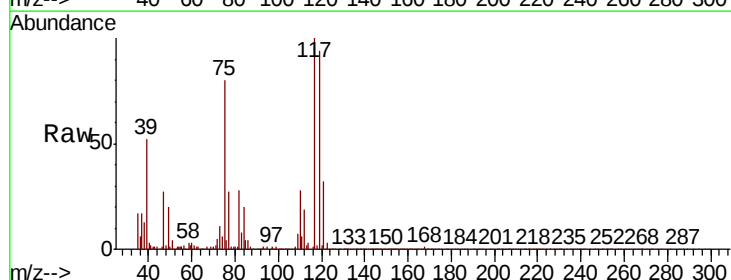
Manual Integrations
APPROVED

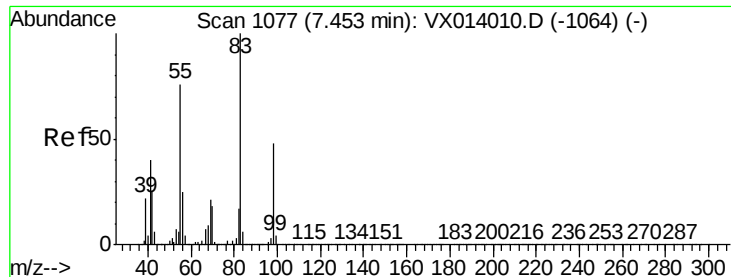
apatel
12/16/2019 12:46:00 PM



#38
Carbon Tetrachloride
Concen: 19.190 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	117	Resp	137619
Ion Ratio	Lower	Upper	
117	100		
119	94.2	76.2	114.4
121	32.0	23.6	35.4





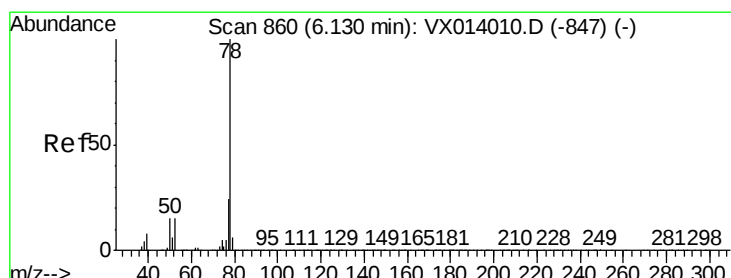
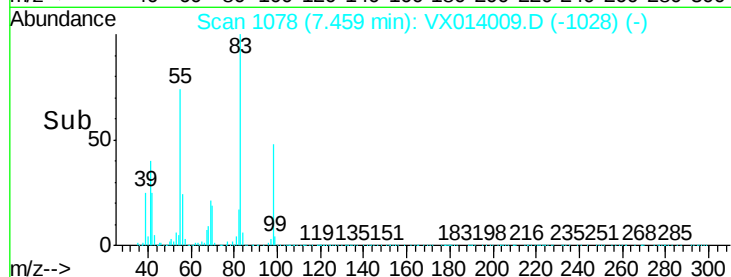
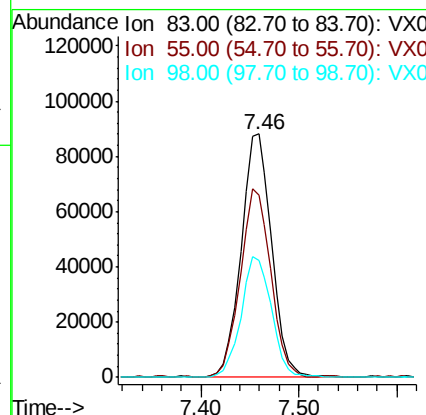
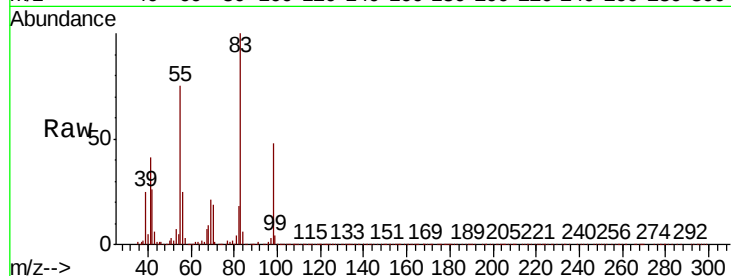
#39
Methvlcvclohexane
Concen: 19.624 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	188922		
55	74.7	61.0	91.6	
98	48.0	38.6	57.8	

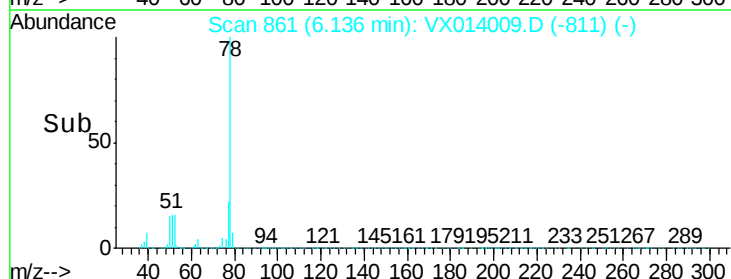
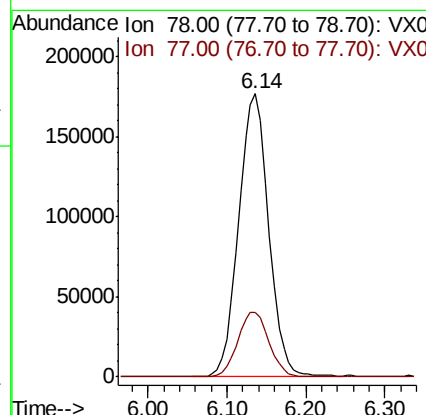
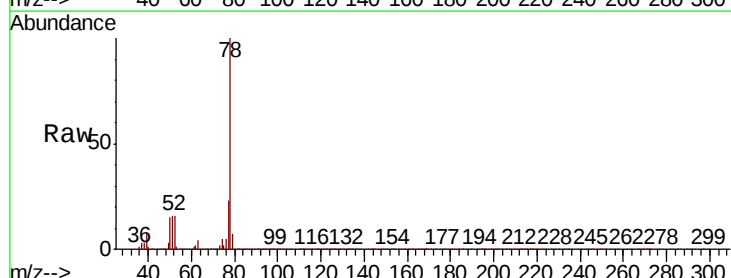
Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#40
Benzene
Concen: 19.717 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	467882		
77	22.8	18.8	28.2	





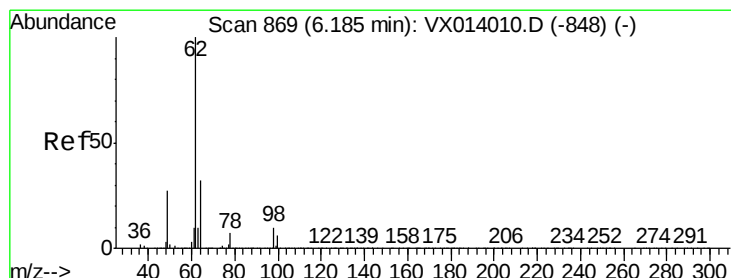
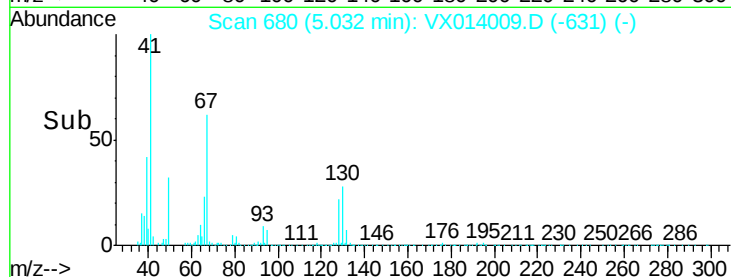
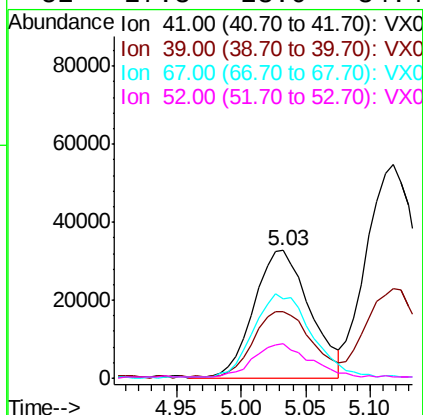
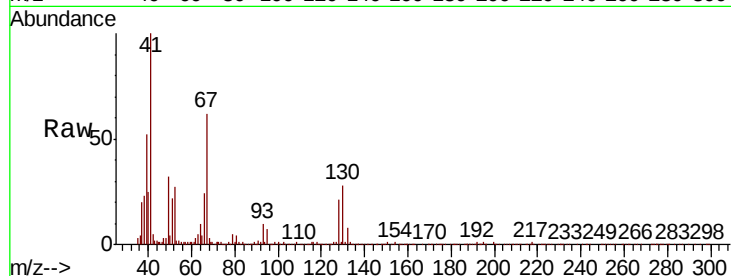
#41
Methacrylonitrile
Concen: 20.757 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	44.5	66.7	
67	68.5	57.4	86.0	
52	27.3	23.0	34.4	

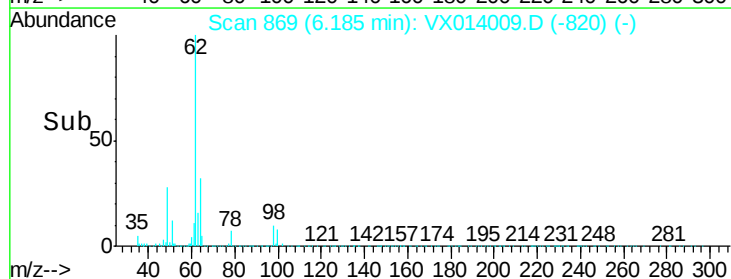
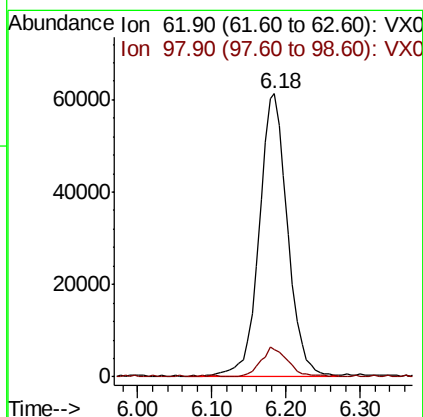
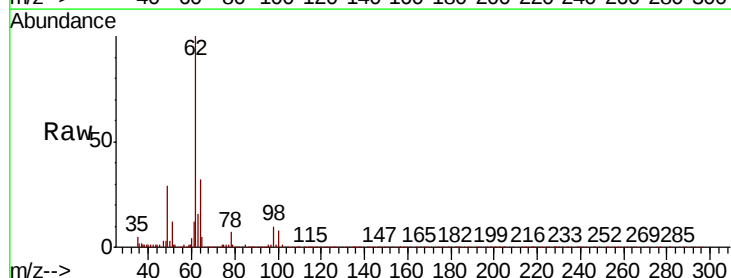
Manual Integrations
APPROVED

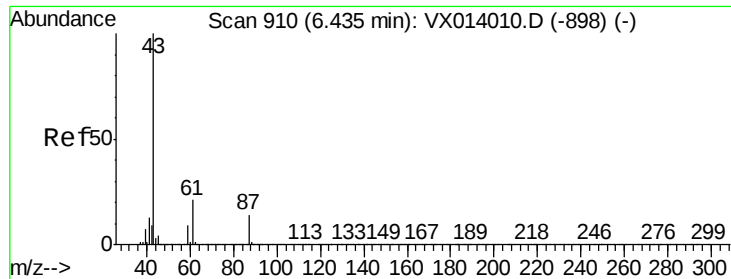
apatel
12/16/2019 12:46:00 PM



#42
1,2-Dichloroethane
Concen: 20.343 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	21.0	





#43

Isopropyl Acetate

Concen: 19.464 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

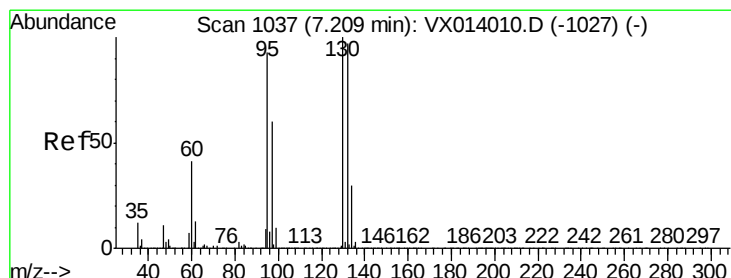
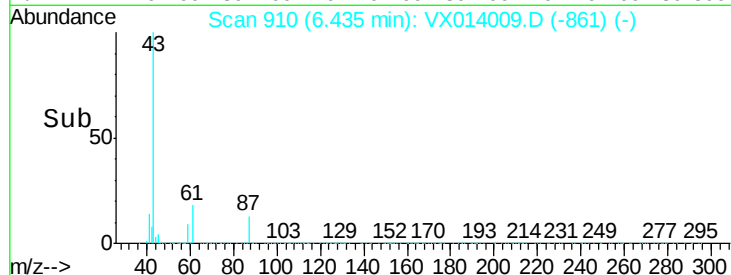
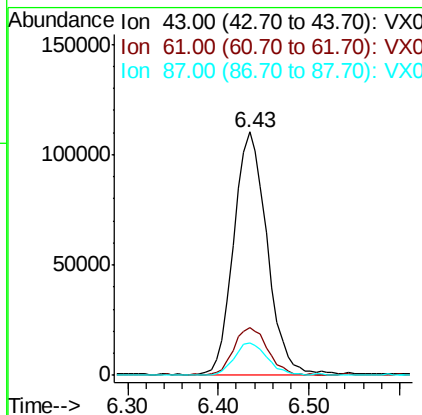
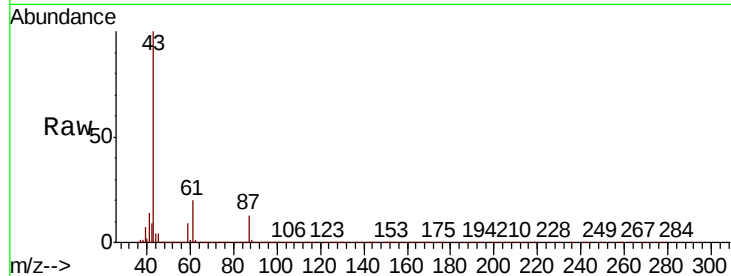
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	278854
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.4	24.6
87	13.1	10.7	16.1

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#44

Trichloroethene

Concen: 19.026 ug/l

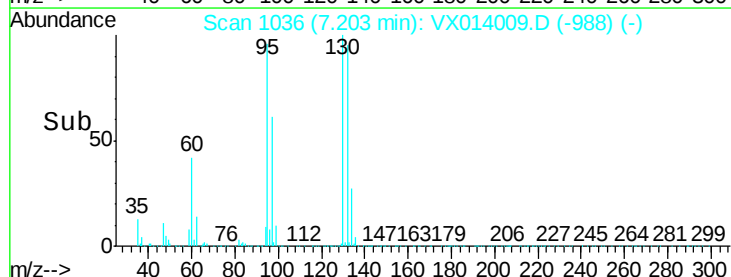
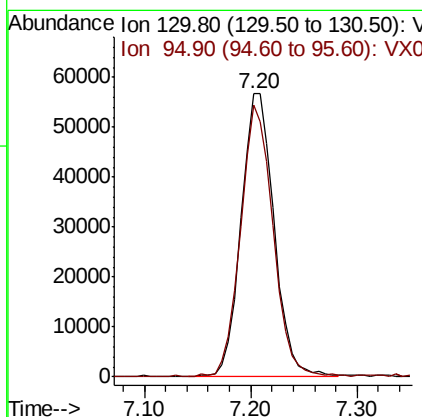
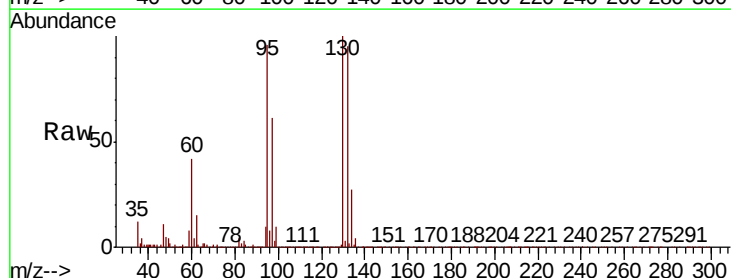
RT: 7.20 min Scan# 1036

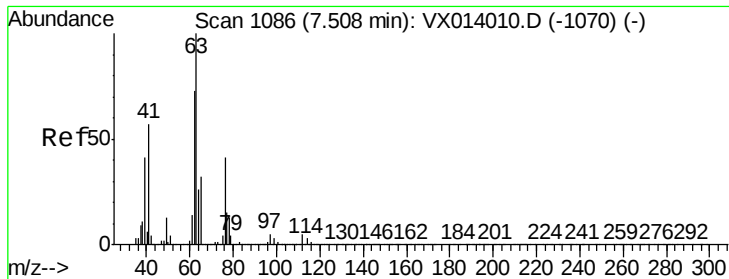
Delta R.T. -0.01 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion:	130	Resp:	123460
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	185.6





#45

1,2-Dichloropropane

Concen: 20.417 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 121446

Ion Ratio Lower Upper

63 100

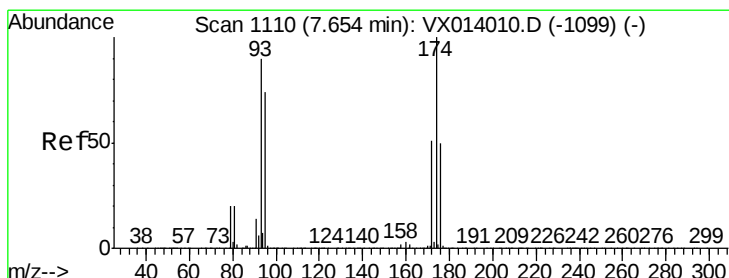
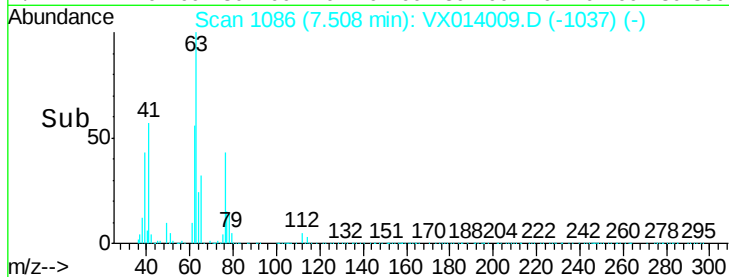
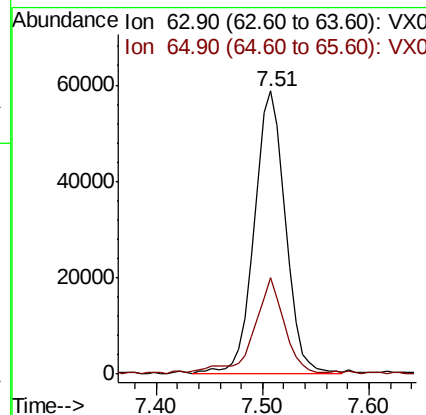
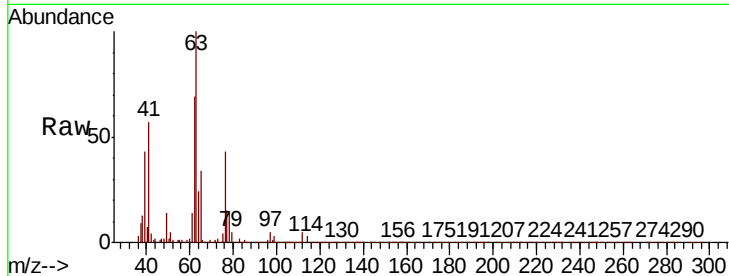
65 33.4 25.8 38.8

Manual Integrations

APPROVED

apatel

12/16/2019 12:46:00 PM



#46

Dibromomethane

Concen: 19.342 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

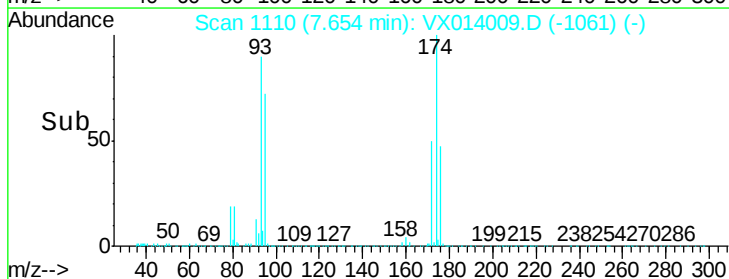
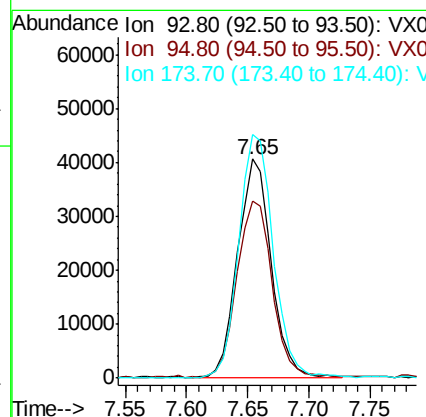
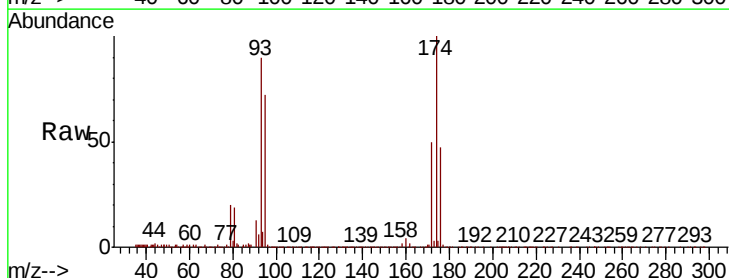
Tgt Ion: 93 Resp: 77866

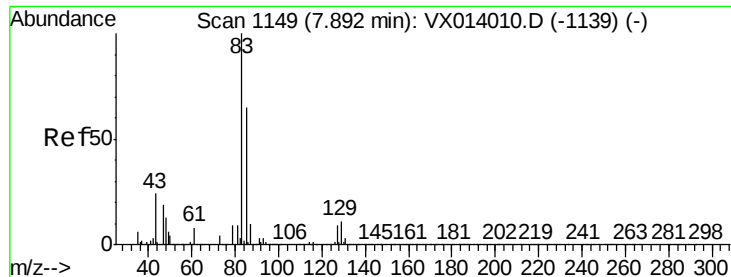
Ion Ratio Lower Upper

93 100

95 83.5 67.3 100.9

174 113.8 91.6 137.4





#47

Bromodichloromethane

Concen: 19.300 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

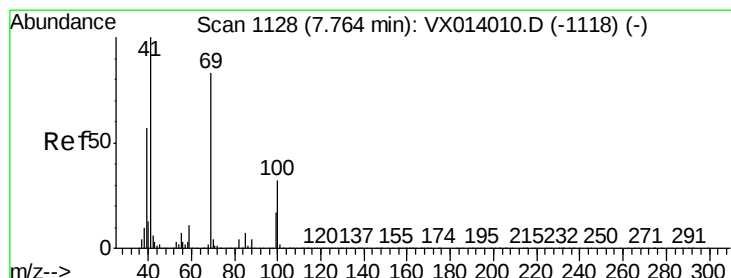
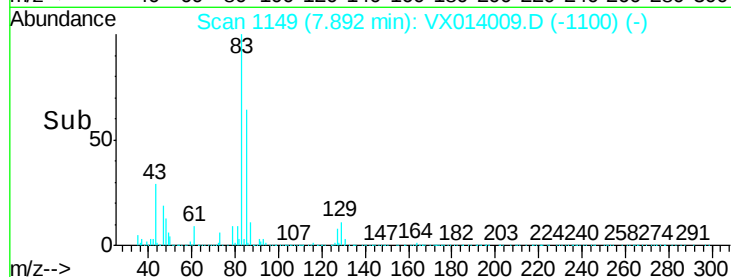
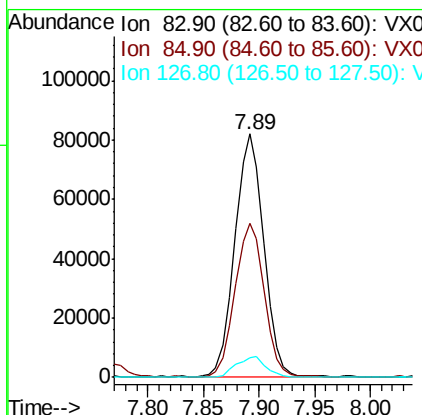
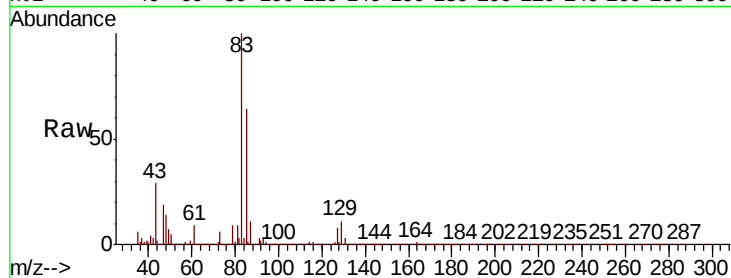
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	146845
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.8	77.8
127	8.0	7.0	10.4

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#48

Methyl methacrylate

Concen: 19.994 ug/l

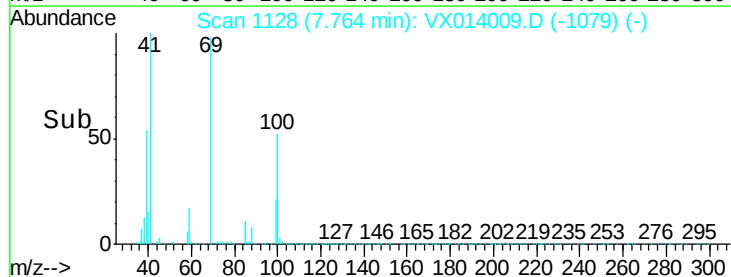
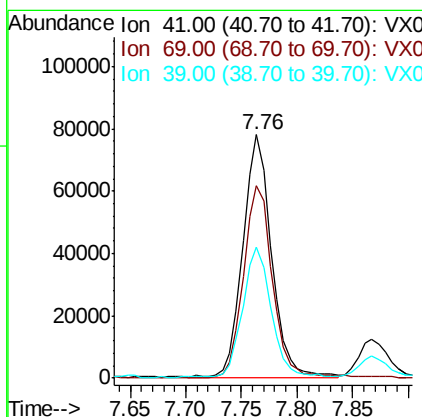
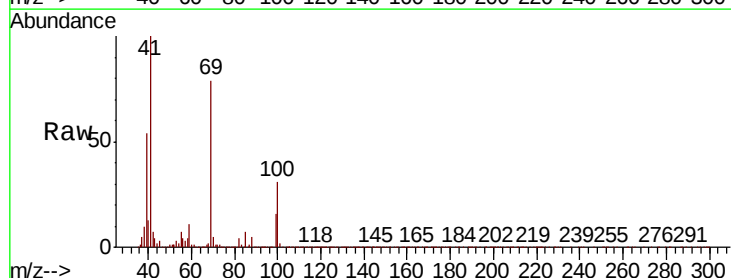
RT: 7.76 min Scan# 1128

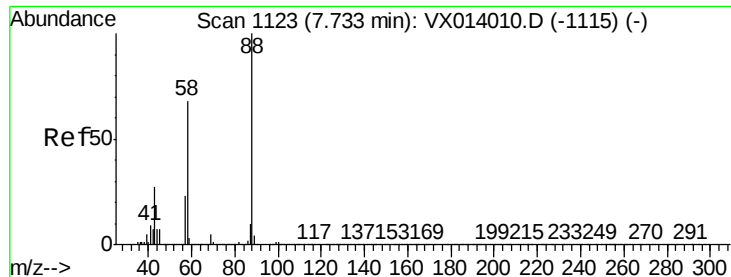
Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion:	41	Resp:	138872
Ion Ratio	Lower	Upper	
41	100		
69	80.4	65.8	98.6
39	55.8	44.6	67.0





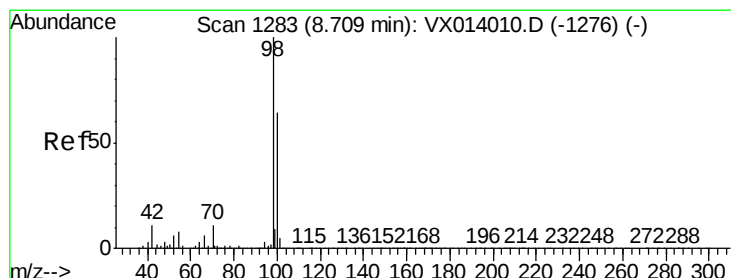
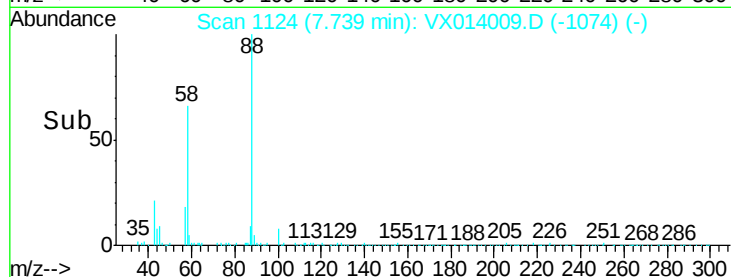
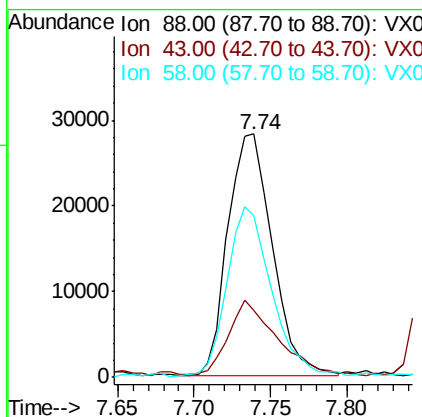
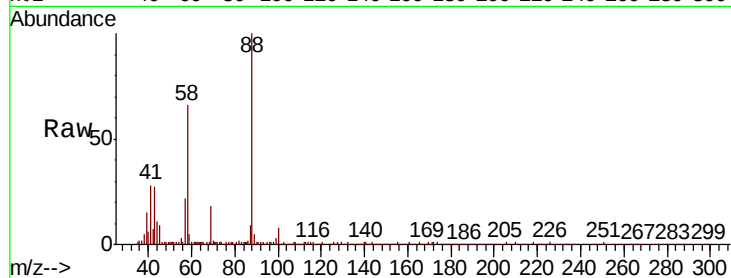
#49
1,4-Dioxane
Concen: 374.066 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.5	39.7
58	71.6	56.8	85.2

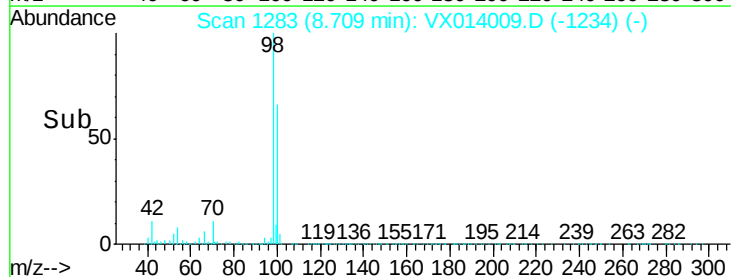
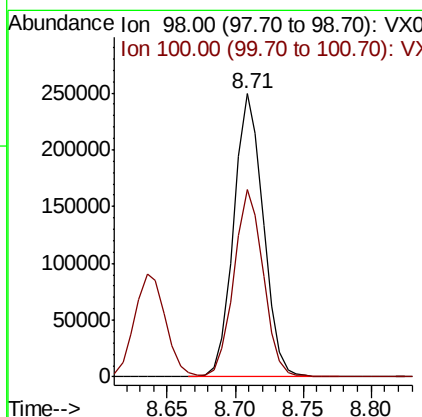
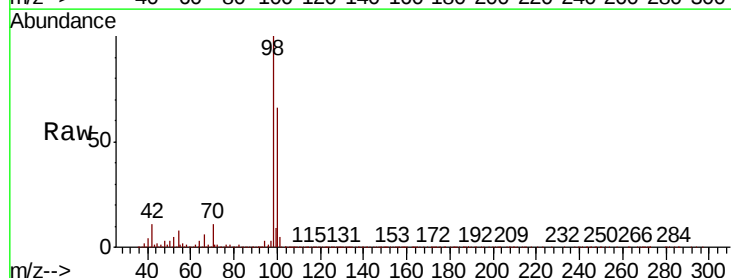
Manual Integrations
APPROVED

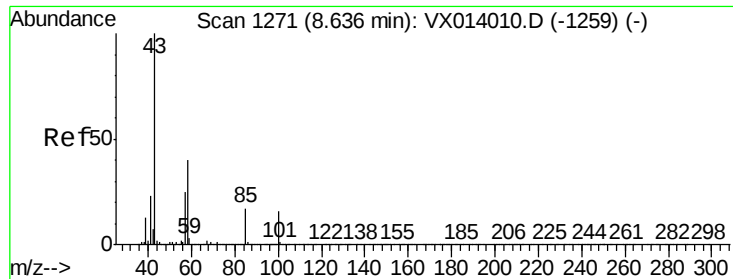
apatel
12/16/2019 12:46:00 PM



#50
Toluene-d8
Concen: 18.135 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 100.248 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 901825

Ion Ratio Lower Upper

43 100

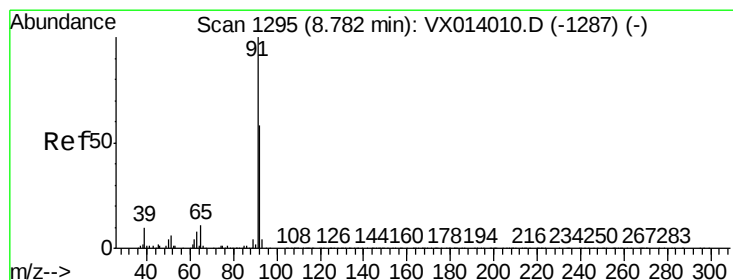
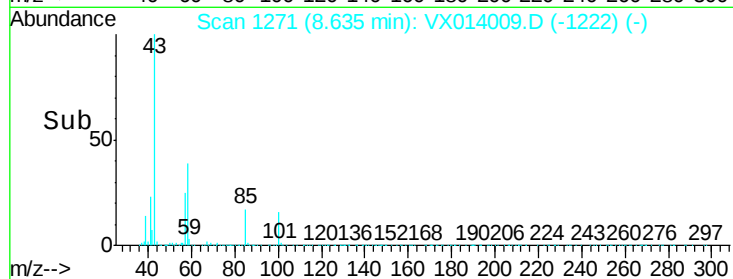
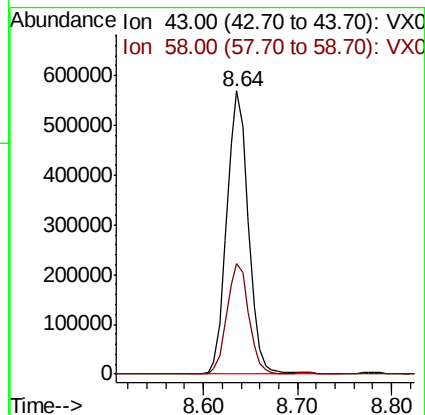
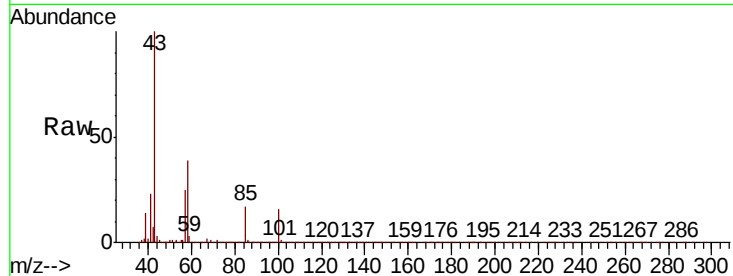
58 39.5 32.2 48.2

Manual Integrations

APPROVED

apatel

12/16/2019 12:46:00 PM



#52

Toluene

Concen: 20.179 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX014009.D

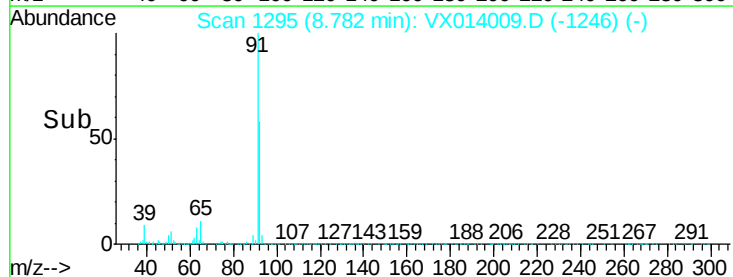
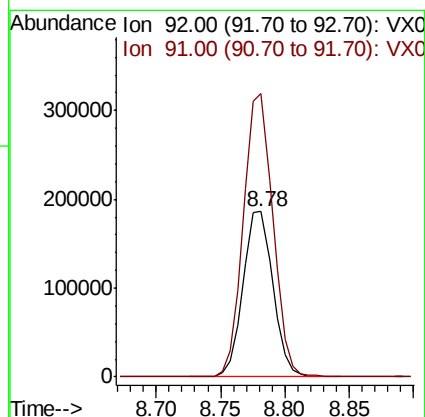
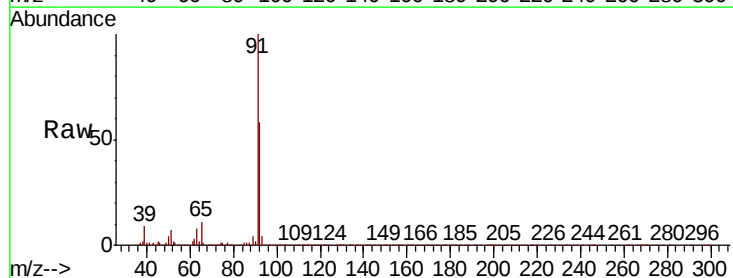
Acq: 13 Dec 2019 15:36

Tgt Ion: 92 Resp: 297851

Ion Ratio Lower Upper

92 100

91 169.9 136.2 204.4





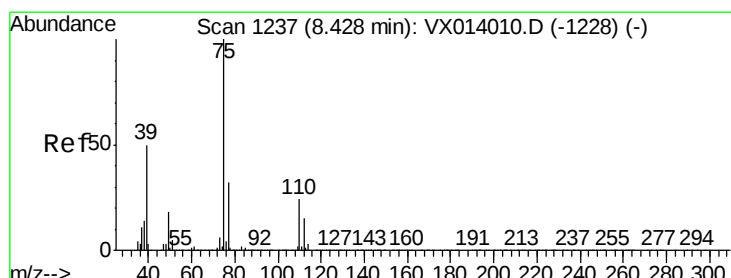
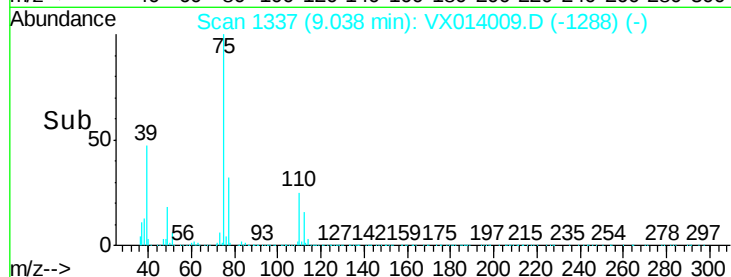
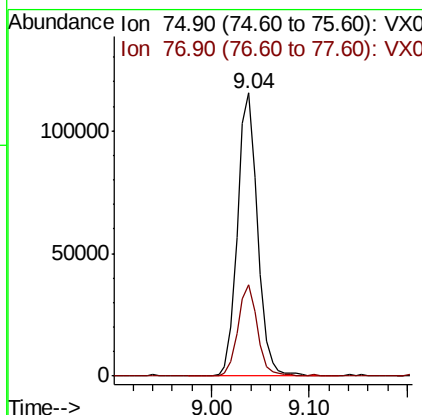
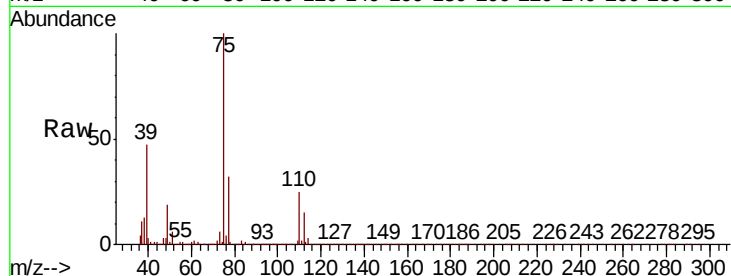
#53
t-1,3-Dichloropropene
Concen: 18.924 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7

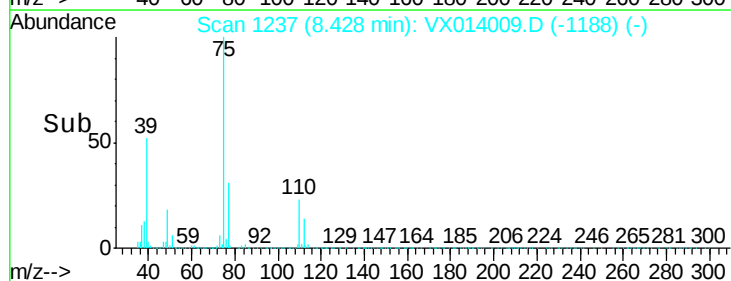
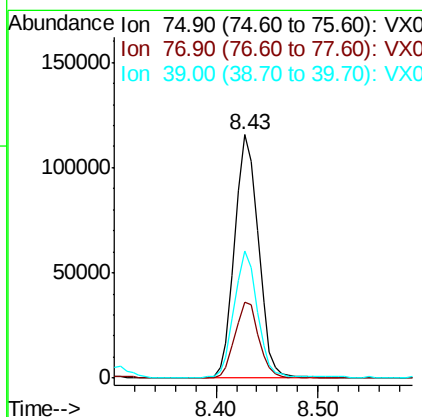
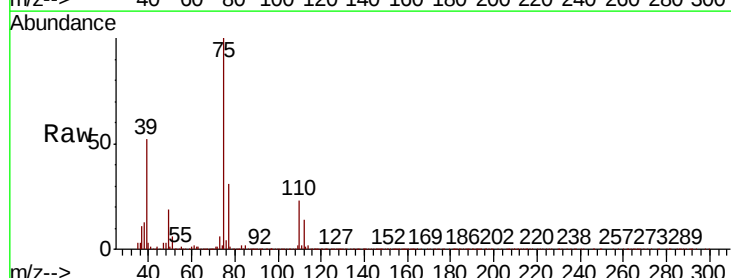
Manual Integrations
APPROVED

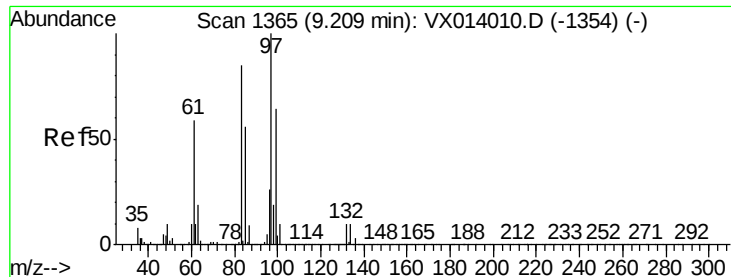
apatel
12/16/2019 12:46:00 PM



#54
cis-1,3-Dichloropropene
Concen: 19.745 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.3	37.9
39	51.7	39.9	59.9





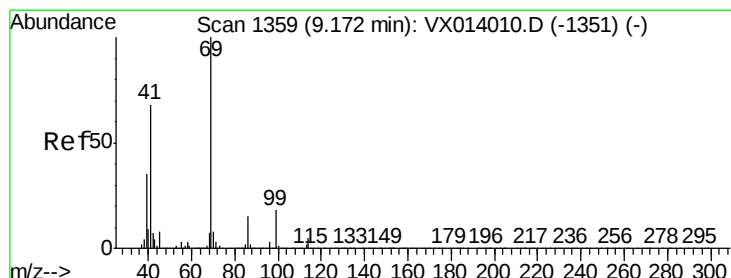
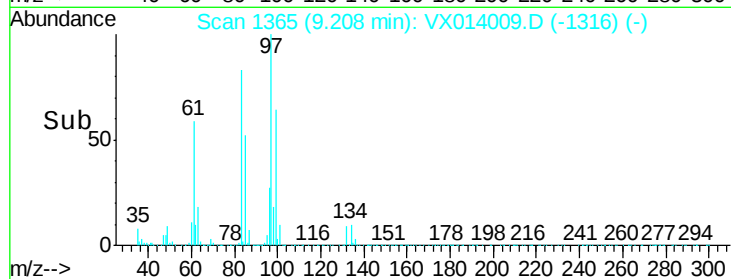
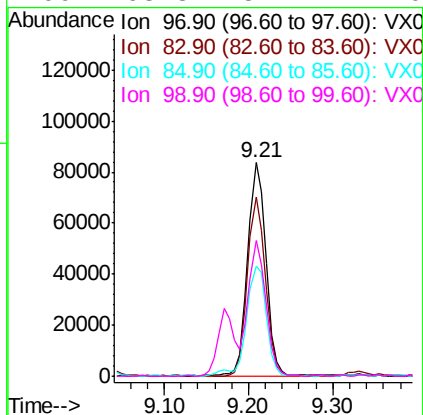
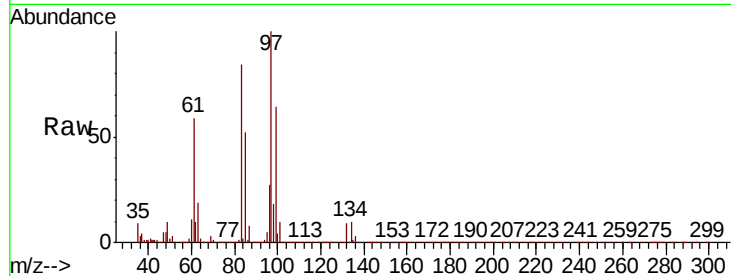
#55
 1,1,2-Trichloroethane
 Concen: 20.547 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		122064		
83	83.2	68.2	102.4		
85	51.7	44.6	66.8		
99	63.3	51.4	77.0		

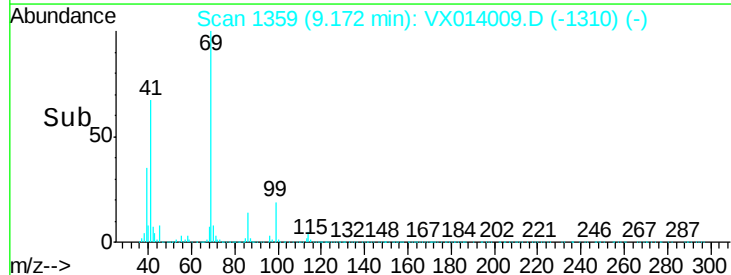
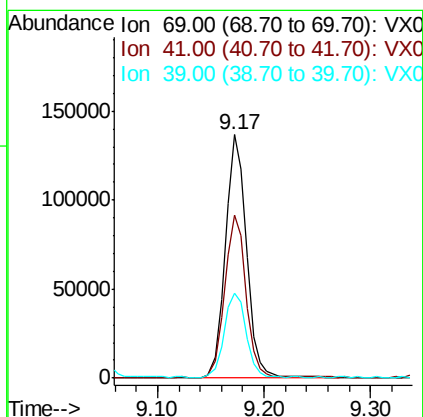
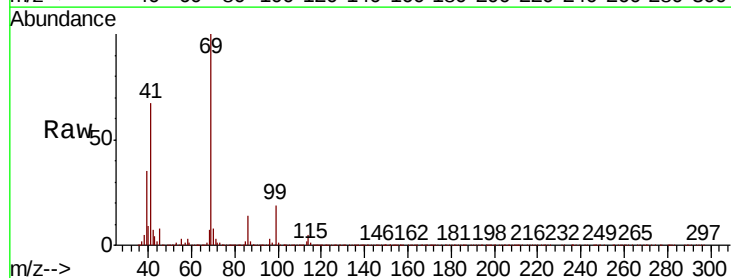
Manual Integrations
 APPROVED

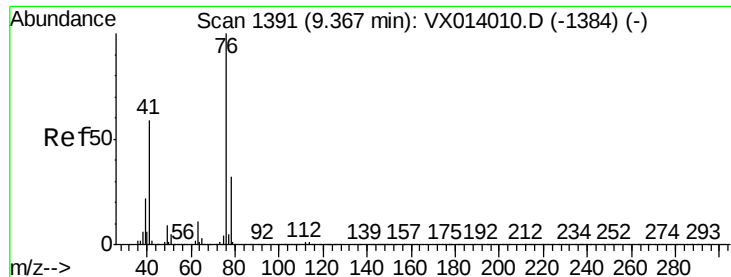
apatel
 12/16/2019 12:46:00 PM



#56
 Ethyl methacrylate
 Concen: 19.884 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		190229		
41	68.2	54.8	82.2		
39	36.0	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 19.662 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 201576

Ion Ratio Lower Upper

76 100

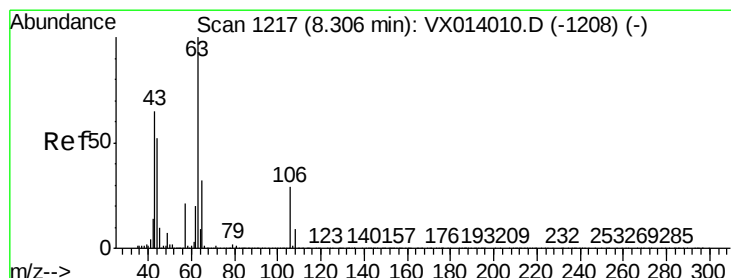
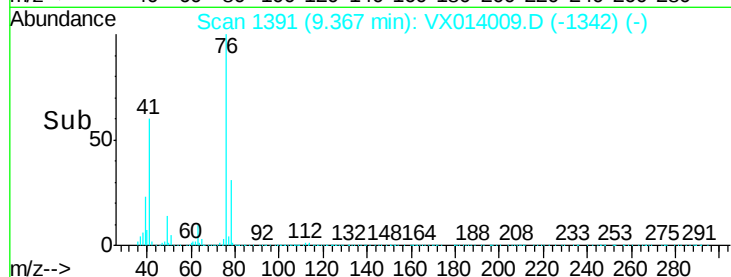
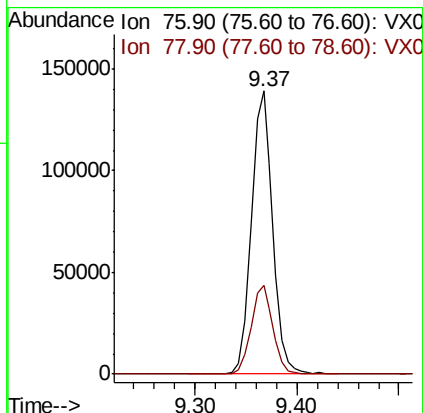
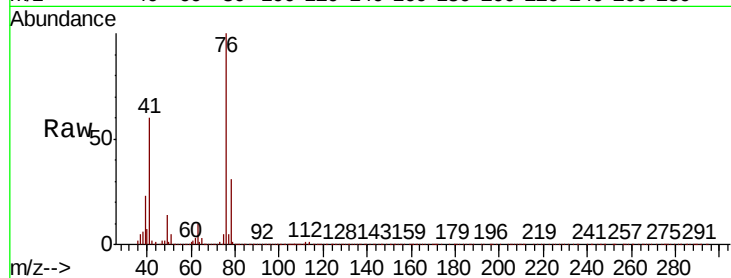
78 31.7 25.8 38.6

Manual Integrations

APPROVED

apatel

12/16/2019 12:46:00 PM



#58

2-Chloroethyl Vinyl ether

Concen: 98.492 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX014009.D

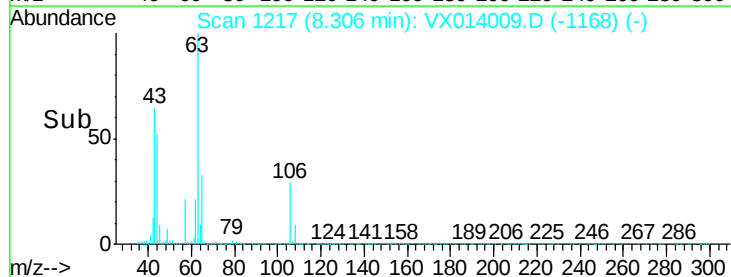
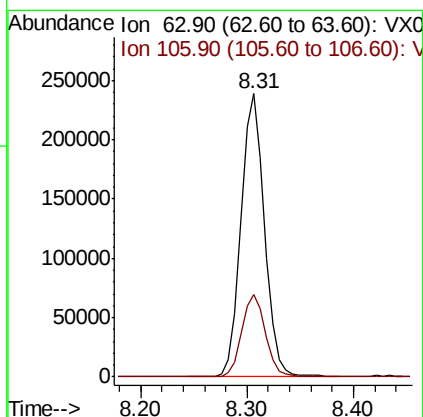
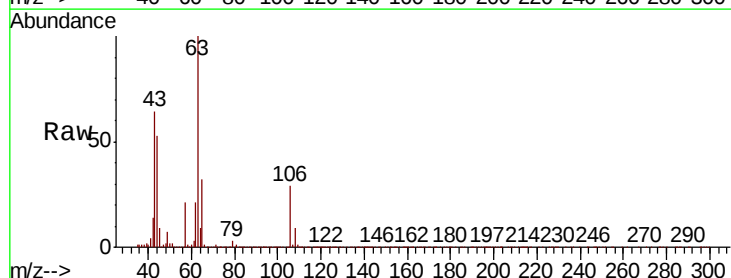
Acq: 13 Dec 2019 15:36

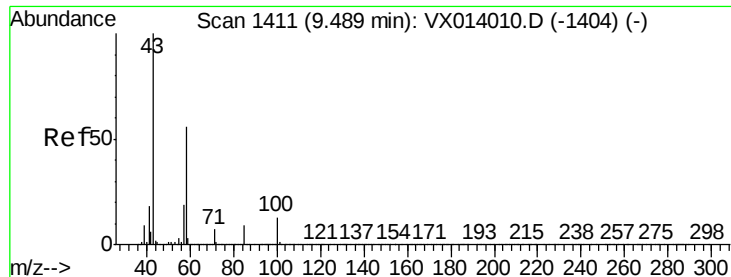
Tgt Ion: 63 Resp: 369372

Ion Ratio Lower Upper

63 100

106 29.5 23.0 34.6





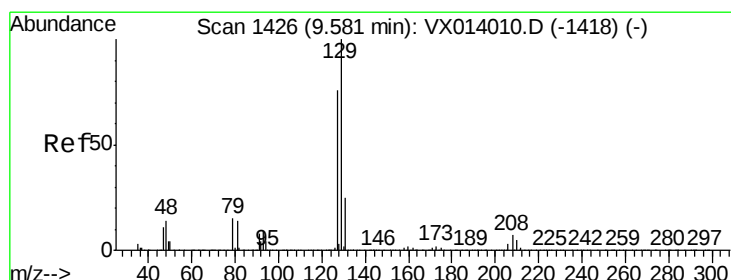
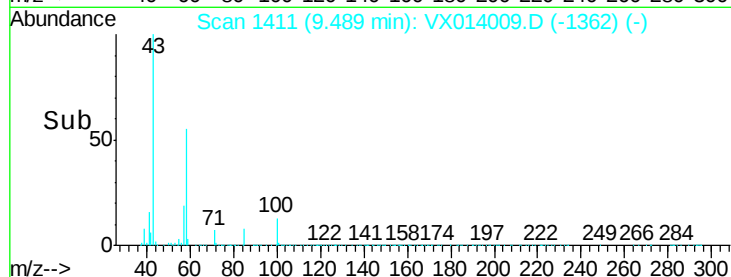
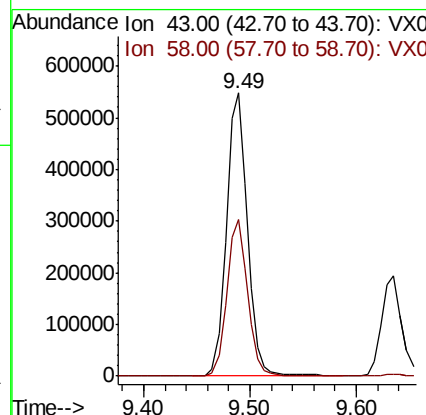
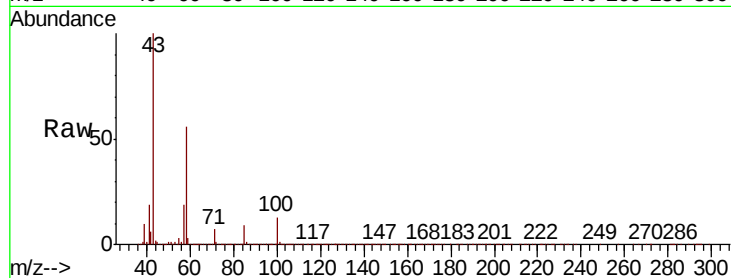
#59
2-Hexanone
Concen: 106.184 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 751678
Ion Ratio Lower Upper
43 100
58 54.7 28.0 84.0

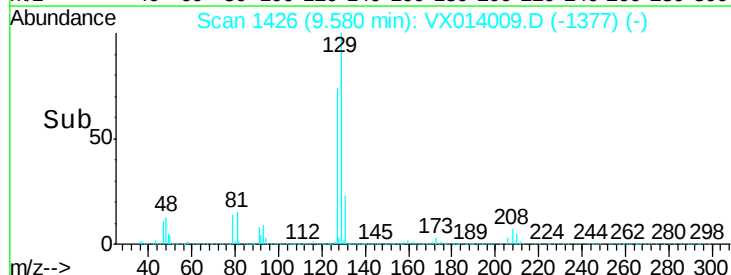
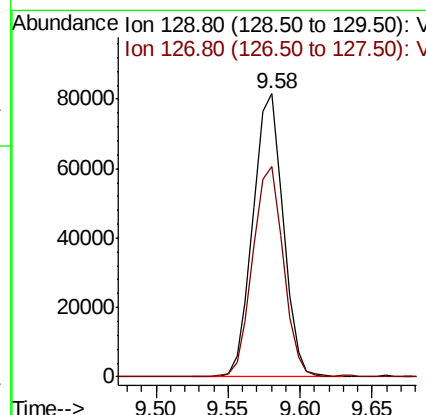
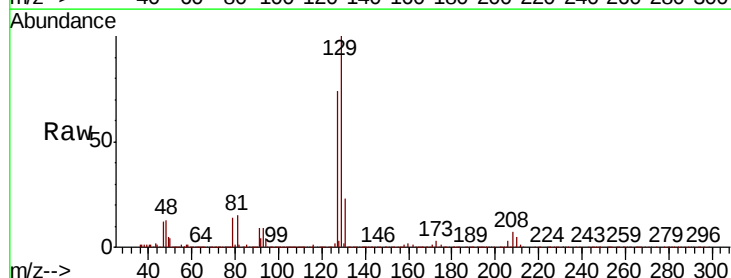
Manual Integrations
APPROVED

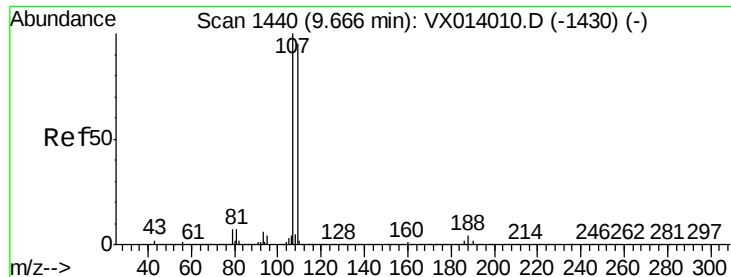
apatel
12/16/2019 12:46:00 PM



#60
Dibromochloromethane
Concen: 19.287 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion: 129 Resp: 118485
Ion Ratio Lower Upper
129 100
127 74.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.532 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 123768

Ion Ratio Lower Upper

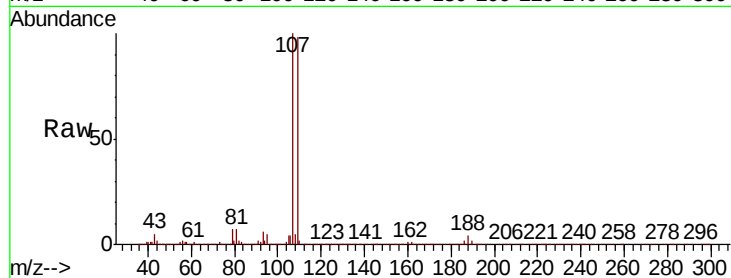
107 100

109 94.1 75.7 113.5

Manual Integrations
APPROVED

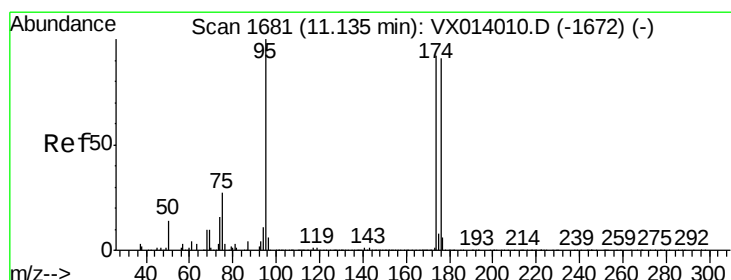
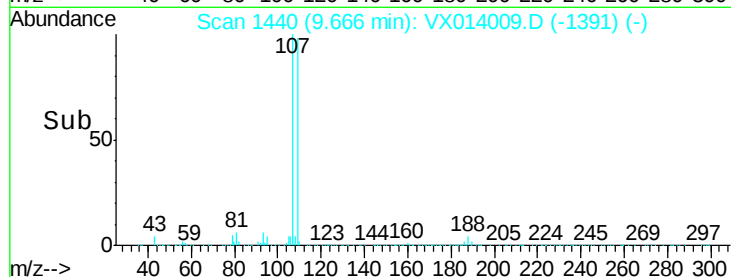
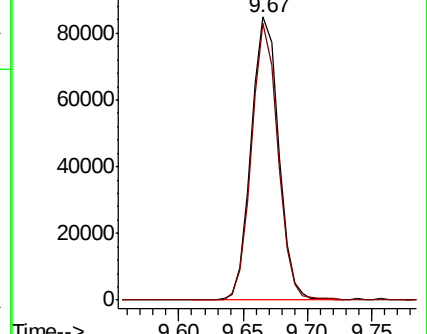
apatel

12/16/2019 12:46:00 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 17.613 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

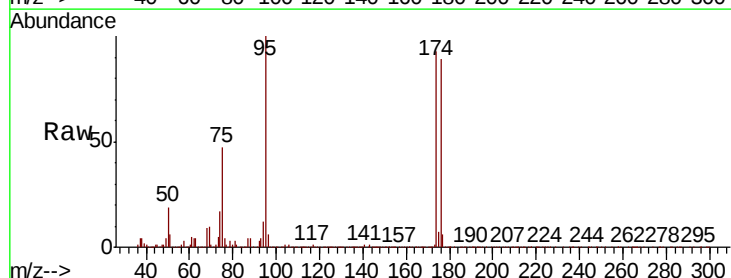
Tgt Ion: 95 Resp: 132465

Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.8

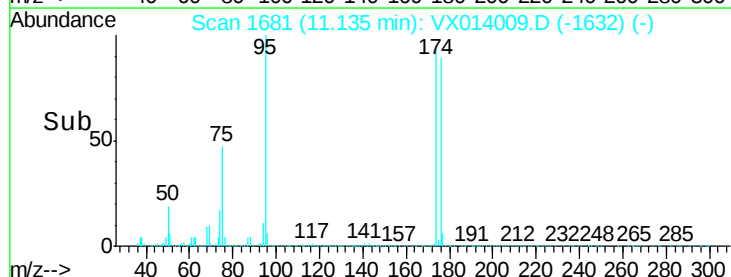
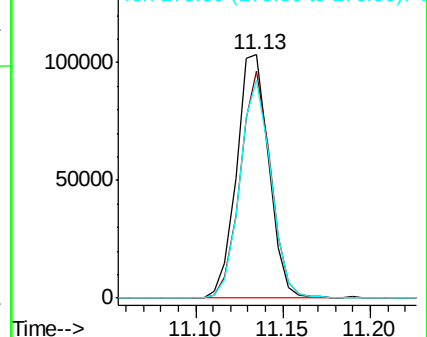
176 86.5 0.0 173.0

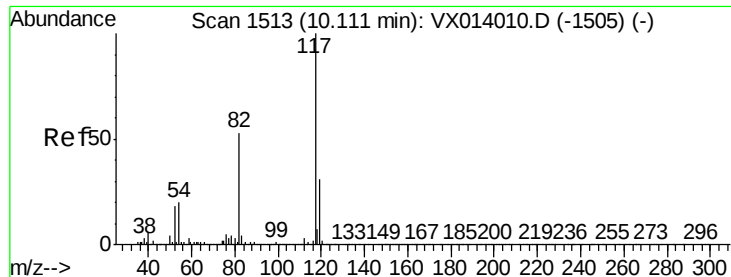


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





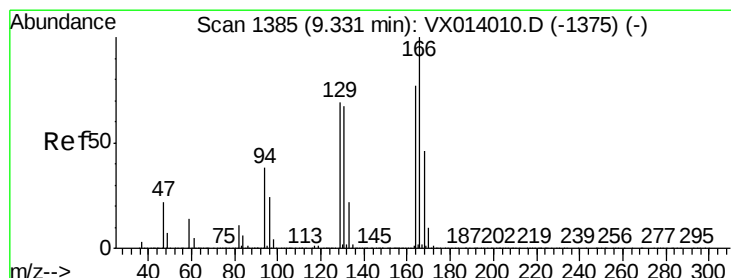
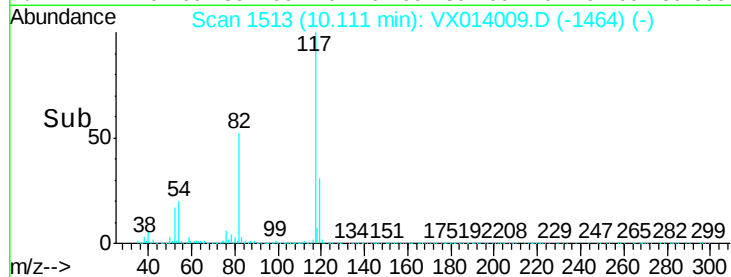
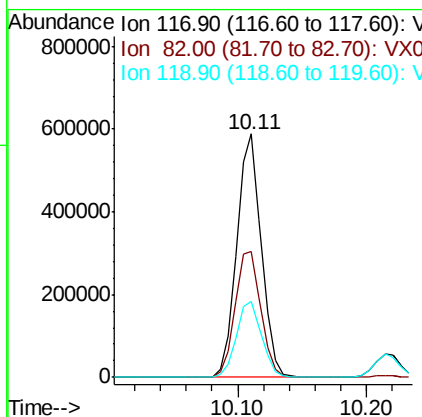
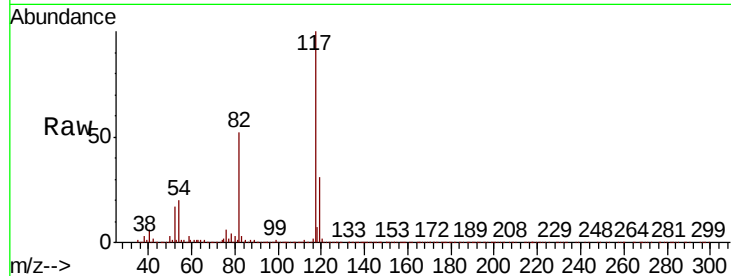
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.2	63.4
119	31.3	25.1	37.7

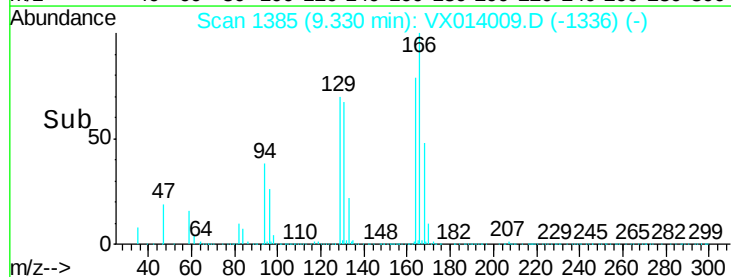
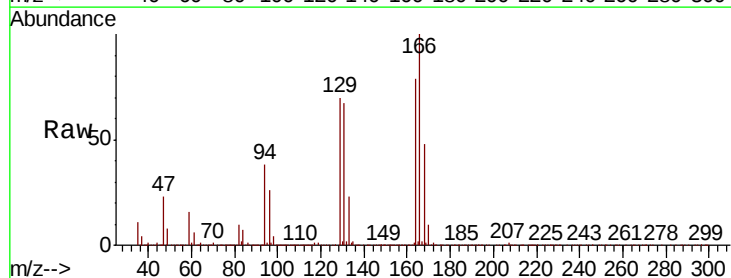
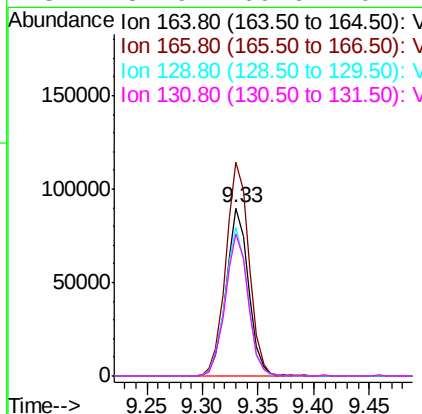
Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#64
Tetrachloroethene
Concen: 20.900 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	104.0	156.0
129	88.4	72.2	108.4
131	84.9	69.6	104.4





#65

Chlorobenzene

Concen: 19.673 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 318103

Ion Ratio Lower Upper

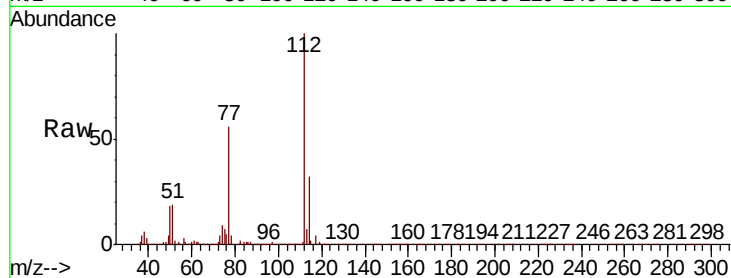
112 100

114 32.3 24.9 37.3

Manual Integrations
APPROVED

apatel

12/16/2019 12:46:00 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

250000

200000

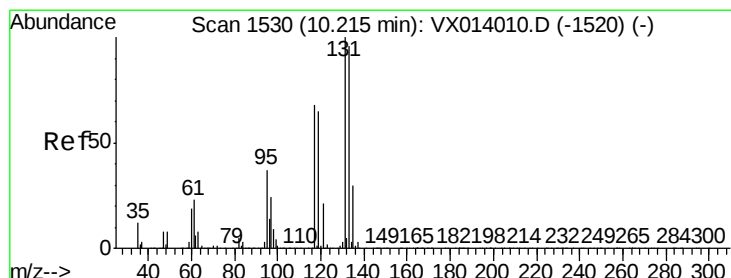
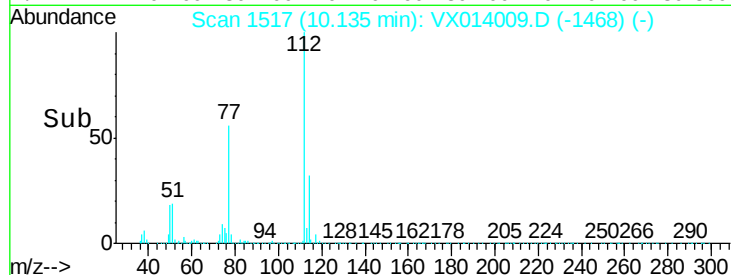
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.771 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

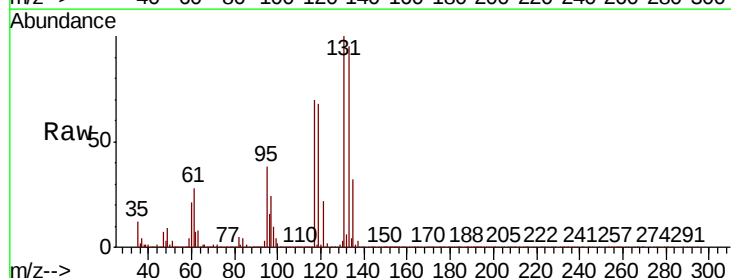
Tgt Ion:131 Resp: 114466

Ion Ratio Lower Upper

131 100

133 94.6 48.0 144.0

119 65.2 33.4 100.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

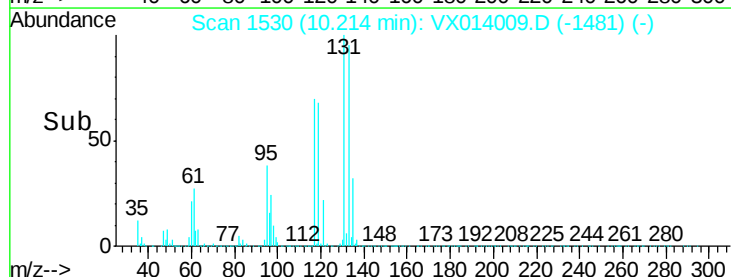
150000

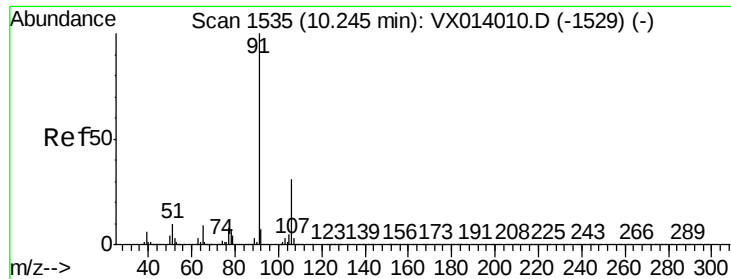
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.966 ug/l

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 554140

Ion Ratio Lower Upper

91 100

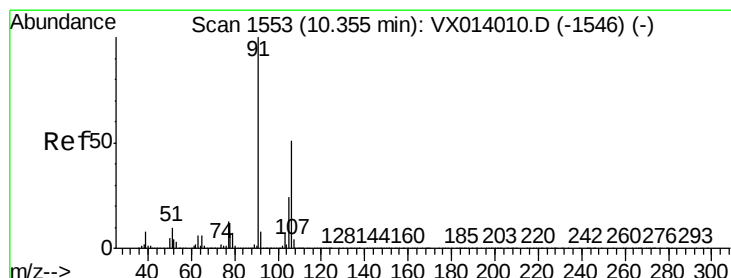
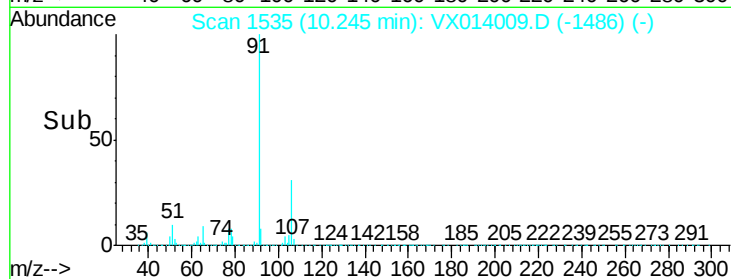
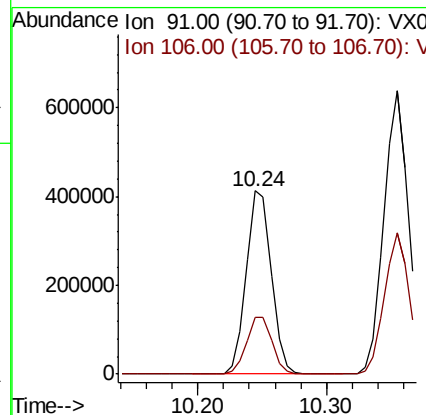
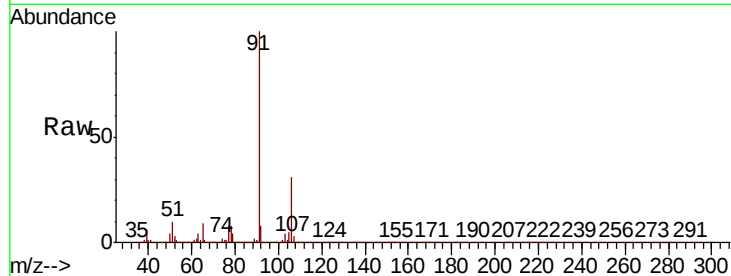
106 31.0 25.0 37.6

Manual Integrations

APPROVED

apatel

12/16/2019 12:46:00 PM



#68

m/p-Xylenes

Concen: 39.768 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX014009.D

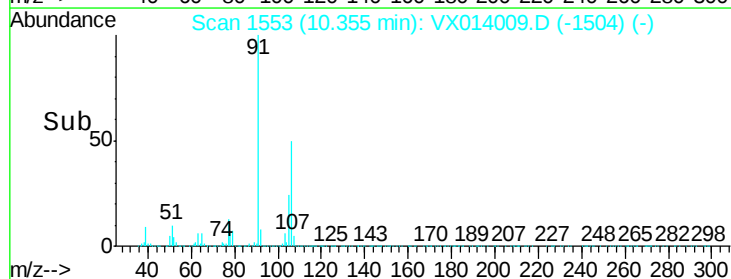
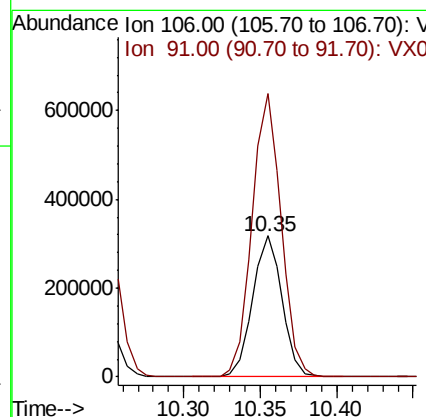
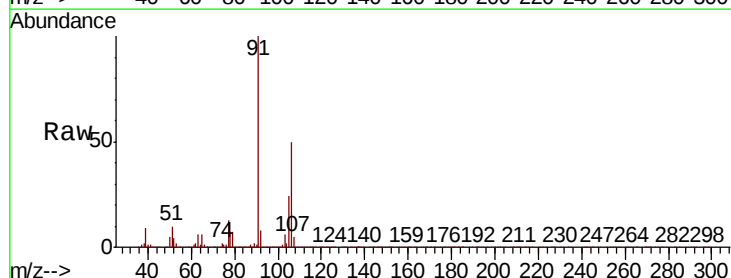
Acq: 13 Dec 2019 15:36

Tgt Ion: 106 Resp: 423145

Ion Ratio Lower Upper

106 100

91 199.4 158.6 238.0





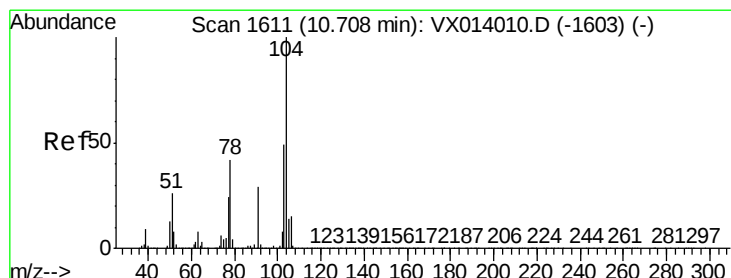
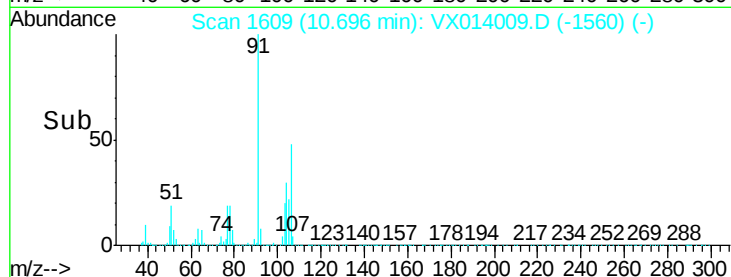
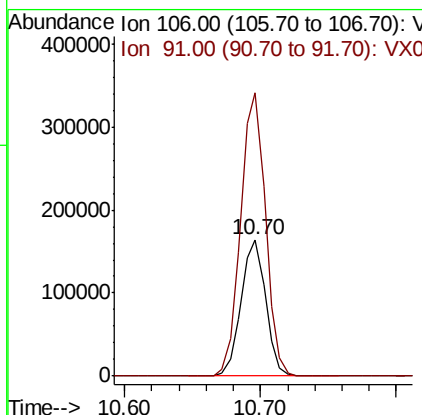
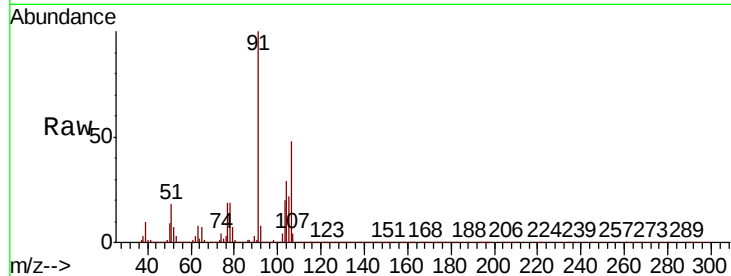
#69
o-Xylene
Concen: 19.910 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	104.2	312.6

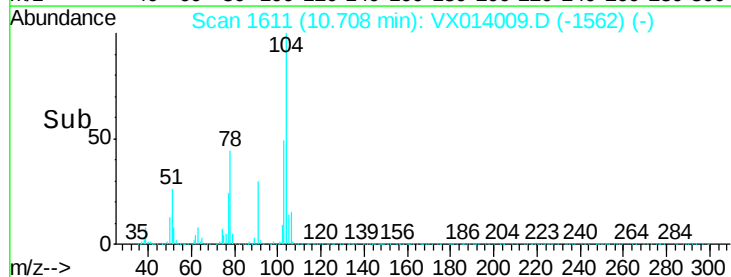
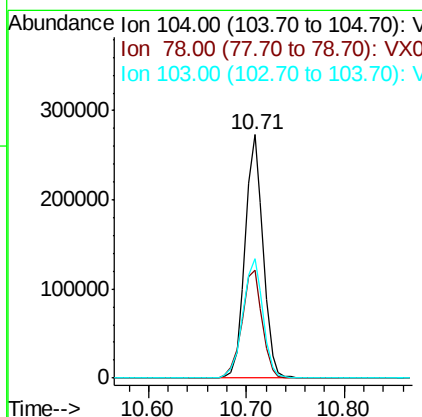
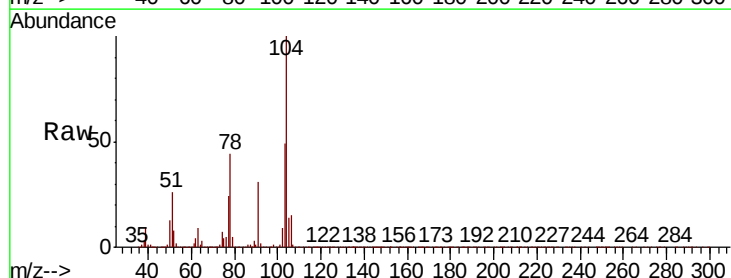
Manual Integrations
APPROVED

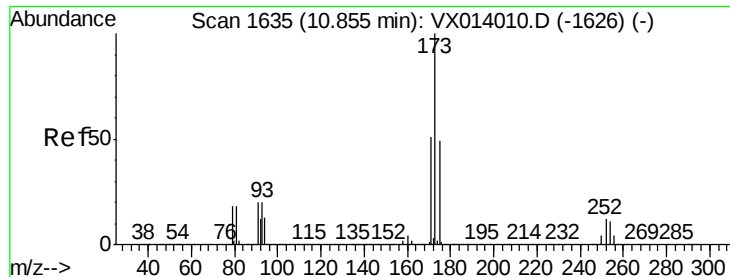
apatel
12/16/2019 12:46:00 PM



#70
Styrene
Concen: 19.907 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.7	38.5	57.7
103	53.9	42.9	64.3





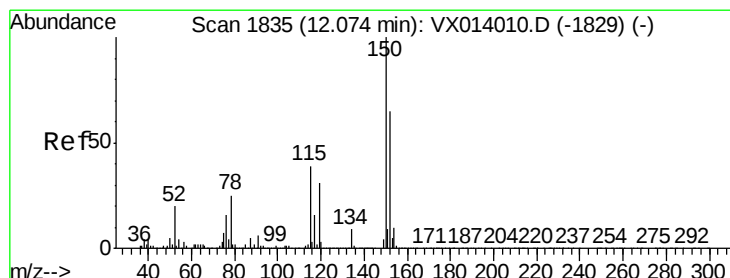
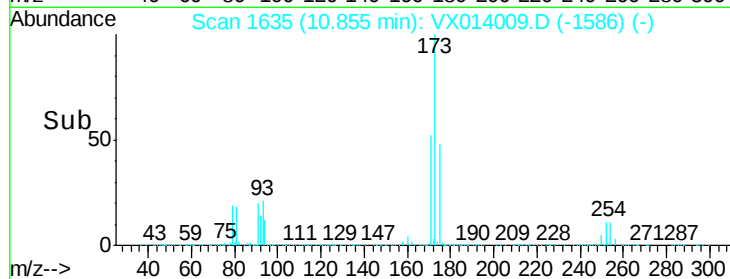
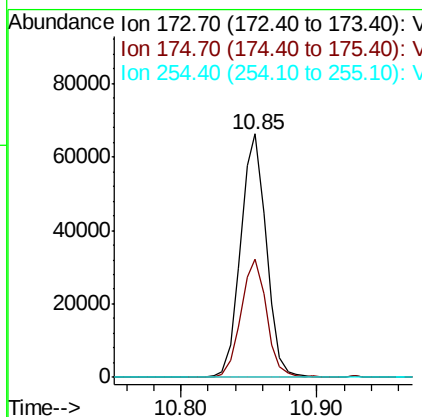
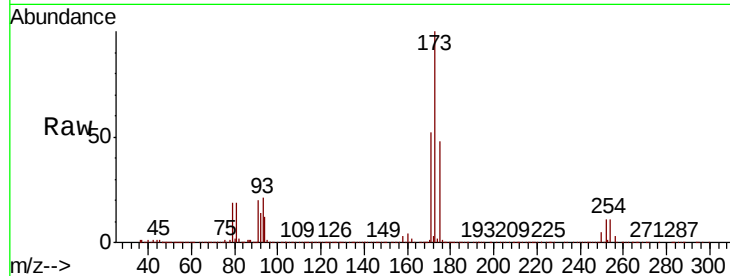
#71
Bromoform
Concen: 18.175 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.0	0.2	0.2

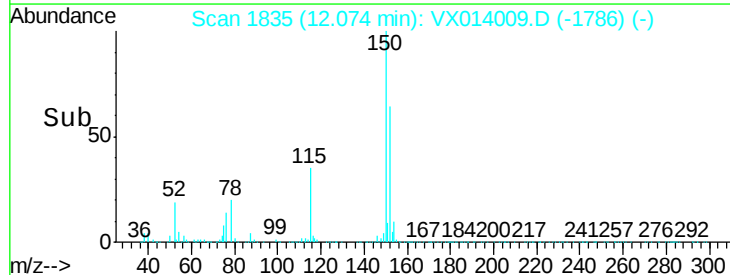
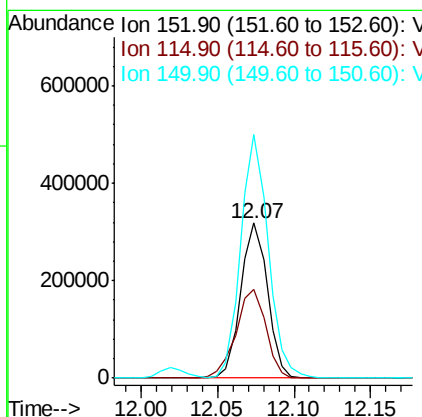
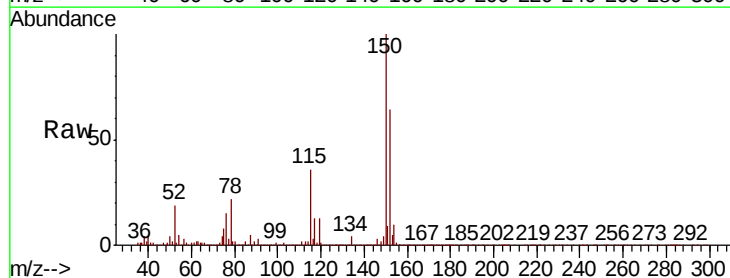
Manual Integrations
APPROVED

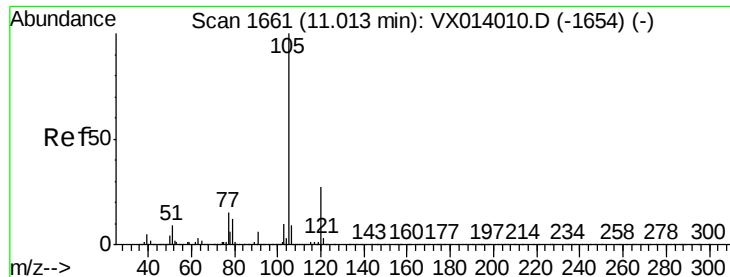
apatel
12/16/2019 12:46:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	38.3	114.9
150	161.5	0.0	345.4





#73

Isopropylbenzene

Concen: 20.101 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 544940

Ion Ratio Lower Upper

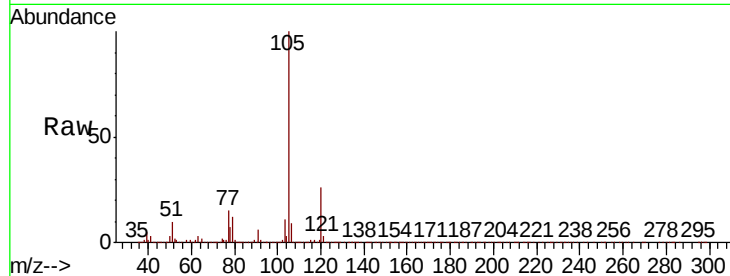
105 100

120 26.8 13.5 40.4

Manual Integrations
APPROVED

apatel

12/16/2019 12:46:00 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

400000

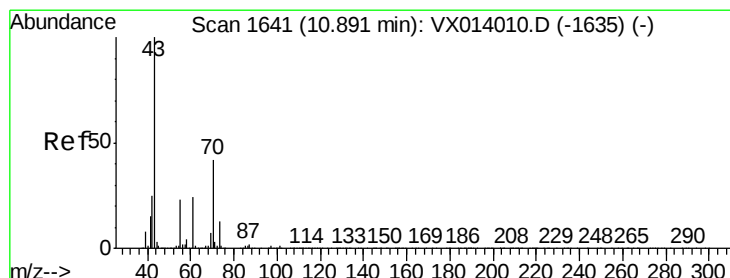
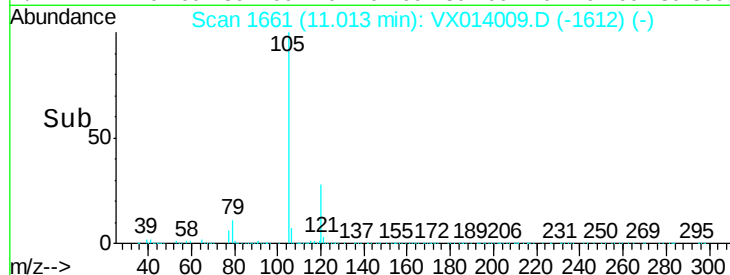
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.351 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion: 43 Resp: 252737

Ion Ratio Lower Upper

43 100

70 43.1 34.4 51.6

55 25.2 19.1 28.7

61 24.4 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

250000

200000

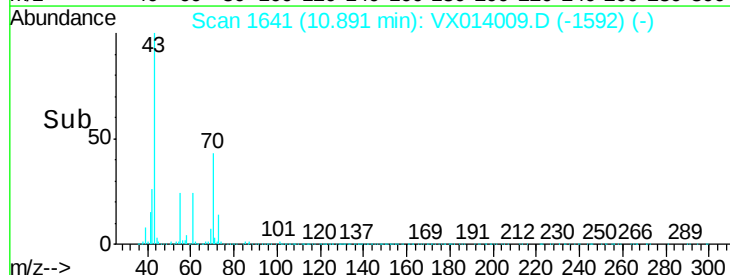
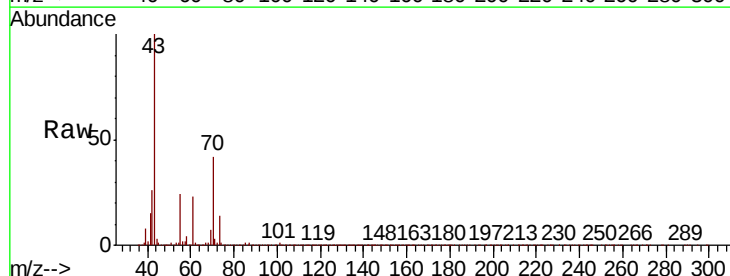
150000

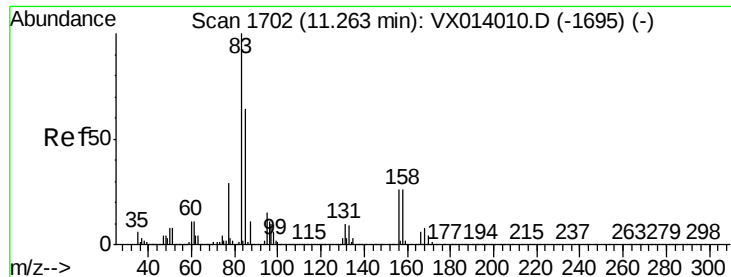
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.130 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

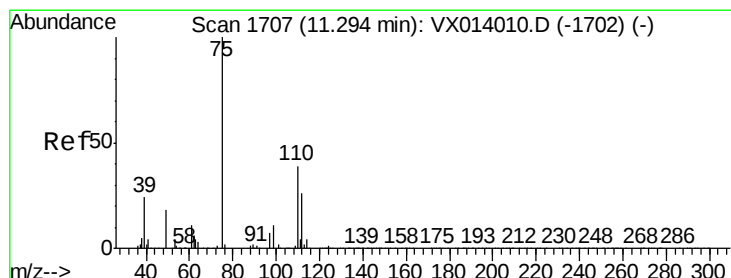
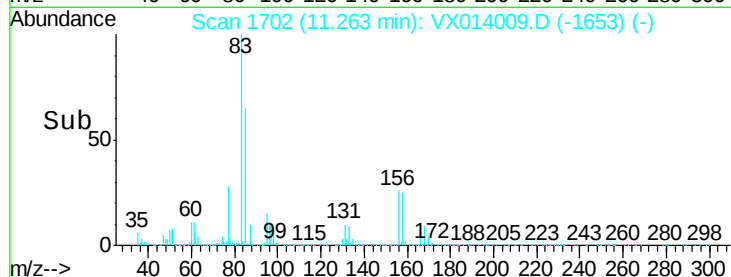
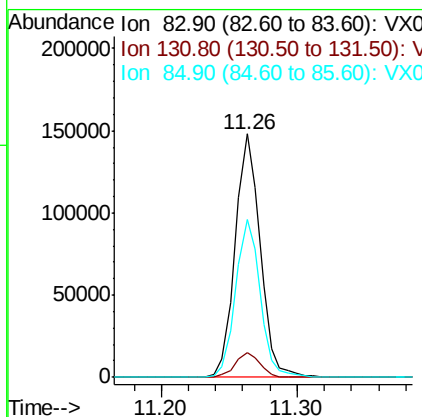
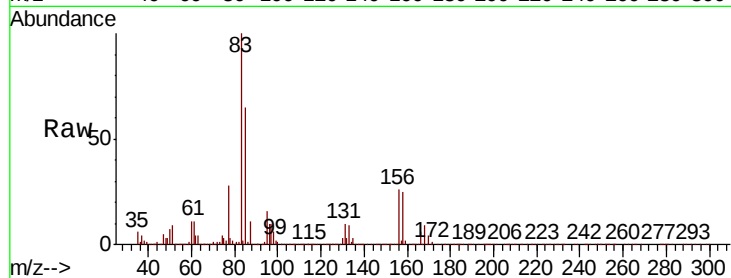
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	188950
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.2
85	63.9	31.9	95.7

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#76

1,2,3-Trichloropropane

Concen: 19.876 ug/l m

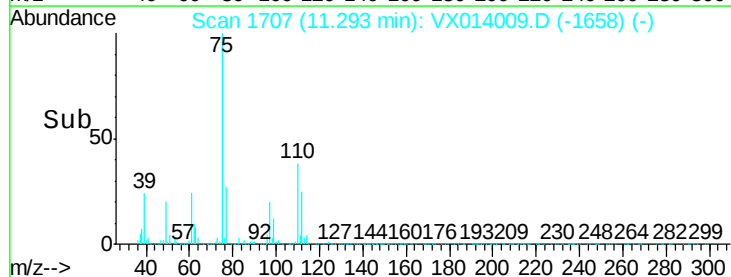
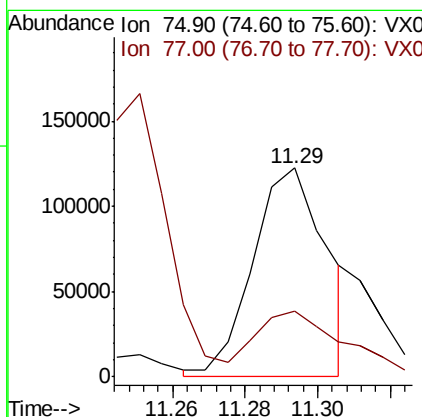
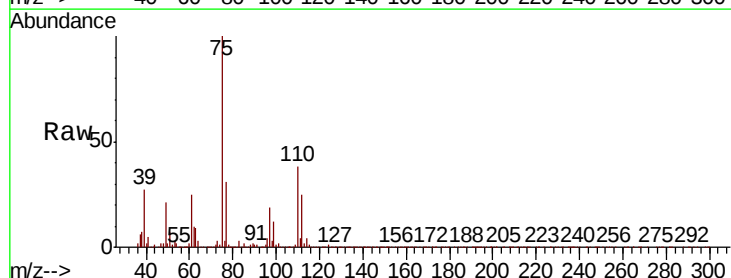
RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion:	75	Resp:	171818
Ion Ratio	Lower	Upper	
75	100		
77	37.8	19.3	57.8





#77

Bromobenzene

Concen: 19.642 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

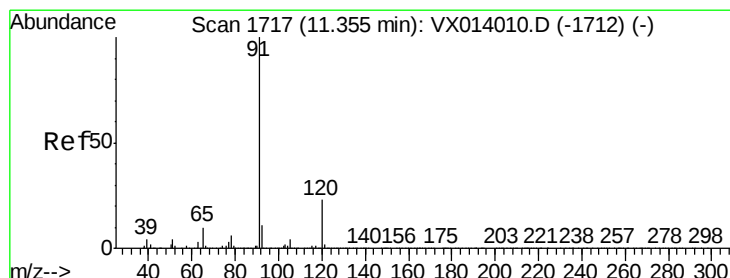
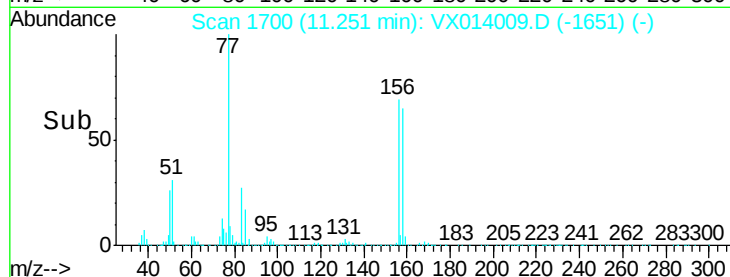
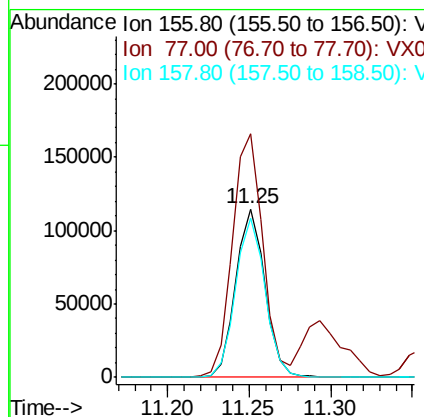
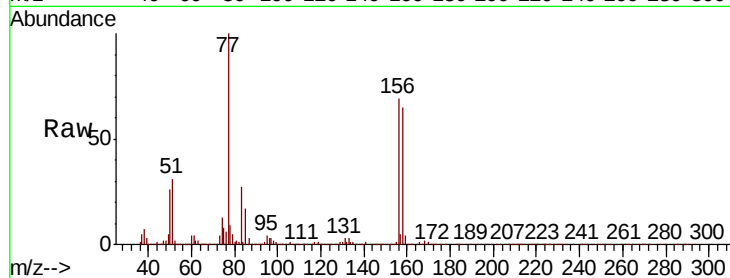
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	143527
Ion Ratio	Lower	Upper	
156	100		
77	150.1	76.5	229.5
158	95.2	49.3	147.9

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#78

n-propylbenzene

Concen: 20.092 ug/l

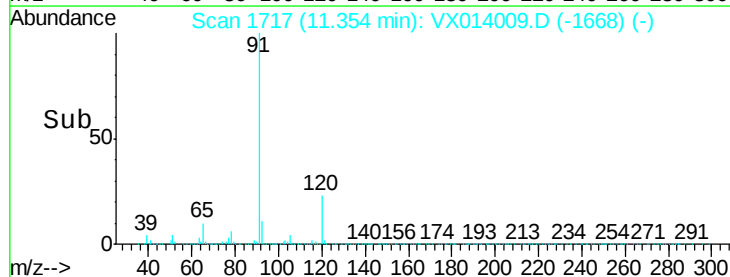
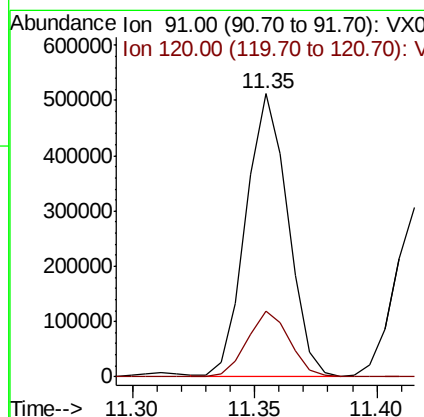
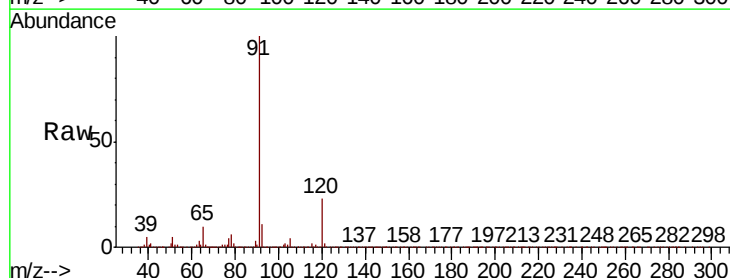
RT: 11.35 min Scan# 1717

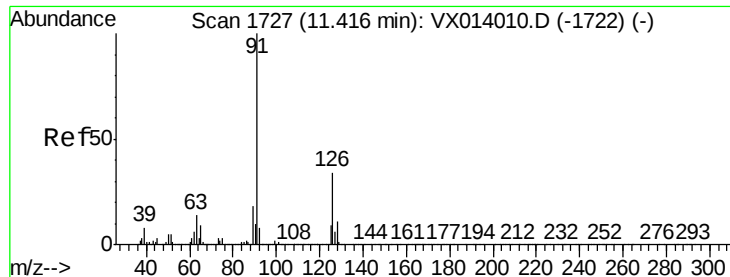
Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion:	91	Resp:	609085
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.7	35.0





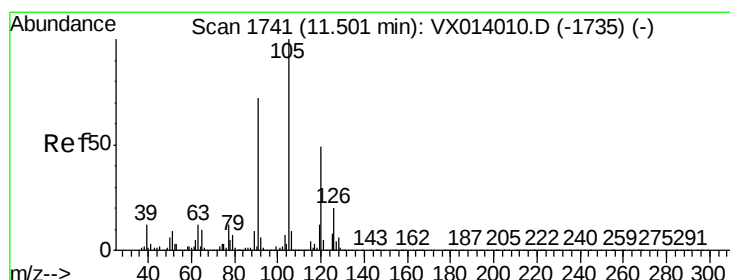
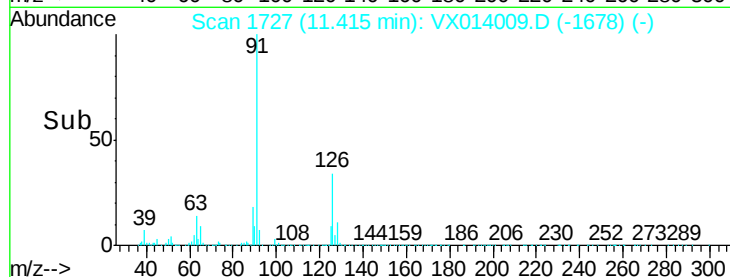
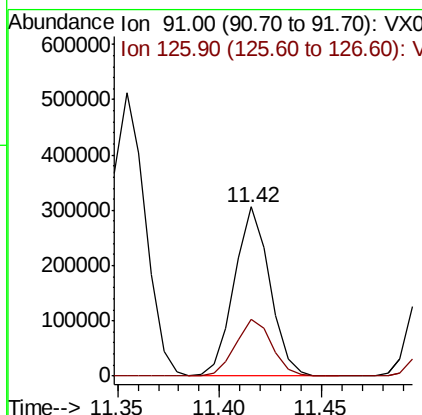
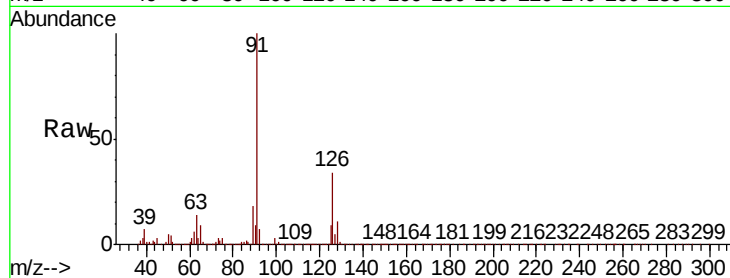
#79
 2-Chlorotoluene
 Concen: 20.172 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6

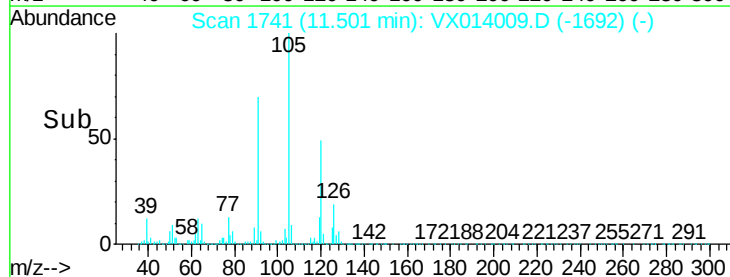
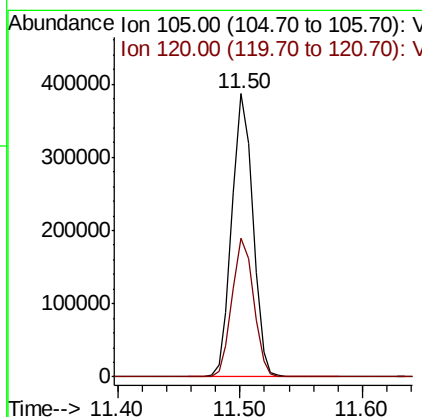
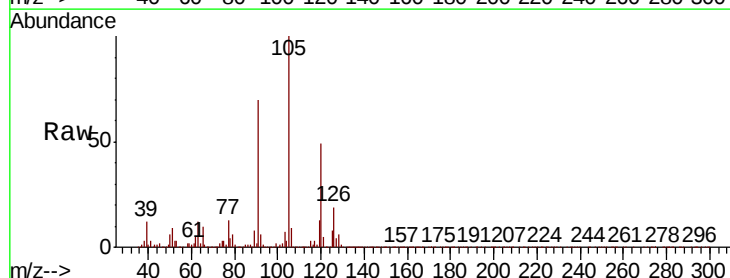
Manual Integrations
 APPROVED

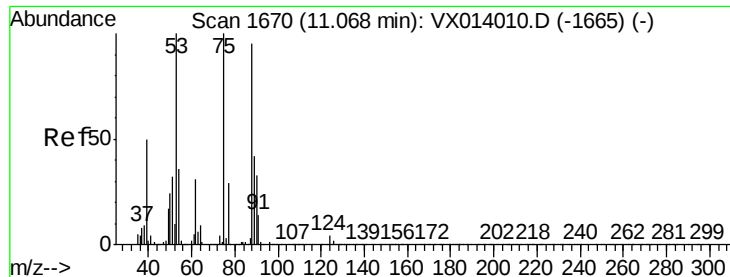
apatel
 12/16/2019 12:46:00 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.527 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.1	25.3	75.8





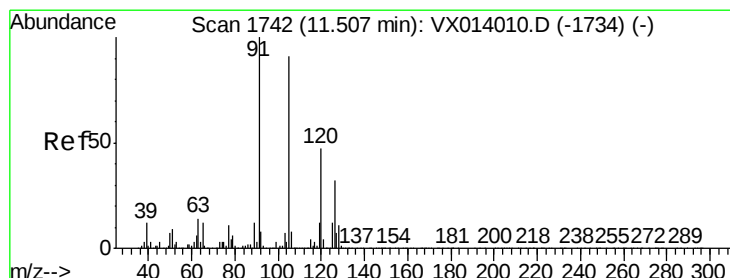
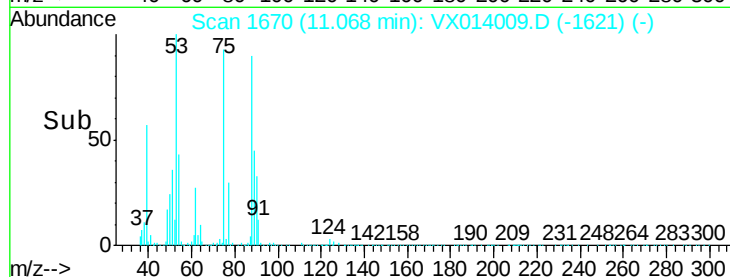
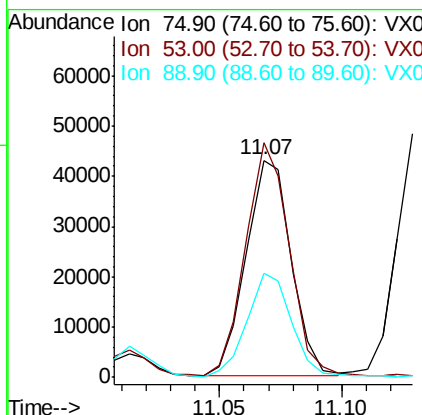
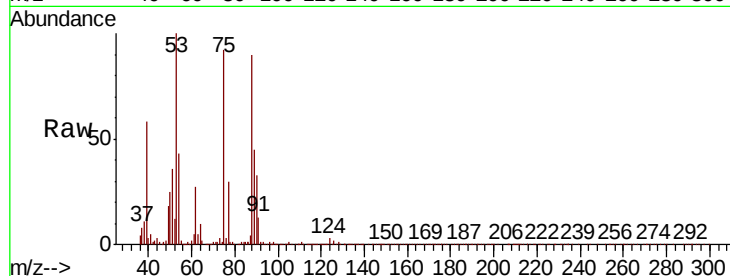
#81
trans-1,4-Dichloro-2-butene
Concen: 17.623 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.7	76.7	115.1
89	48.3	34.6	51.8

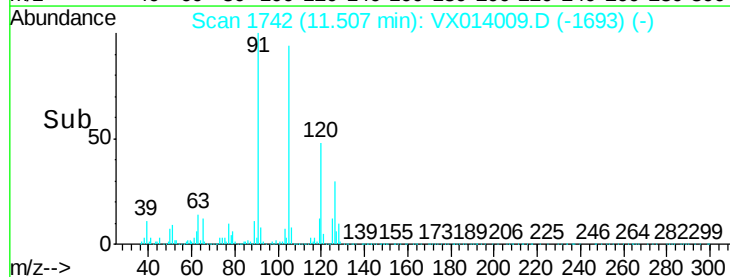
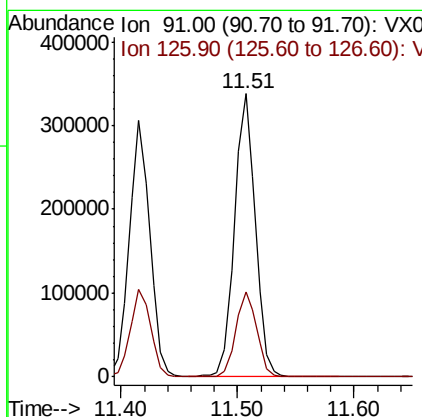
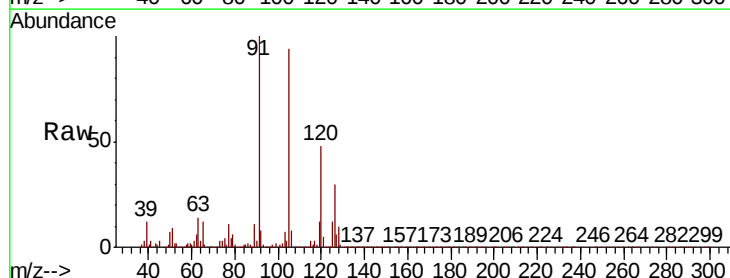
Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#82
4-Chlorotoluene
Concen: 19.957 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.6	46.8





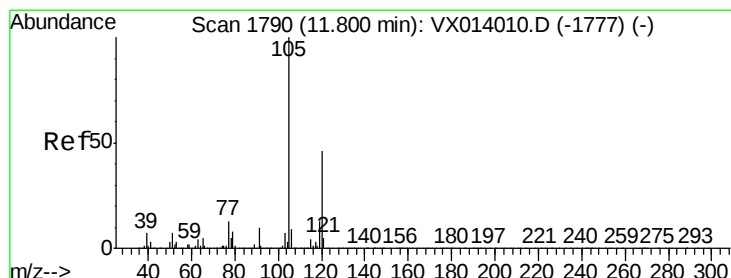
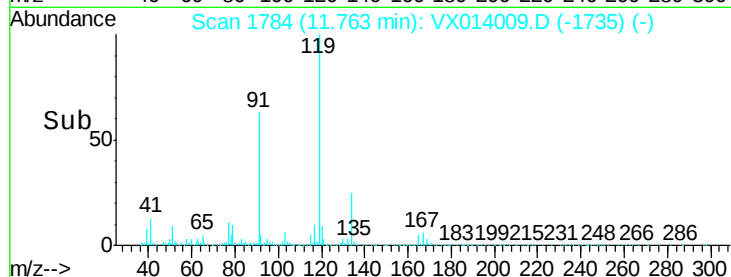
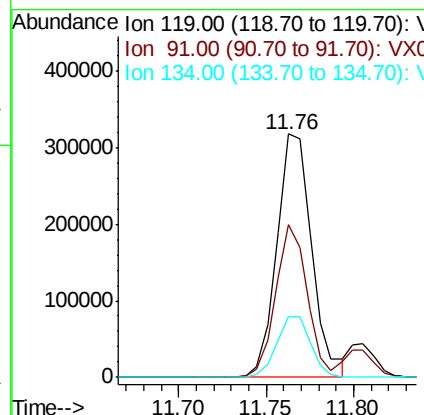
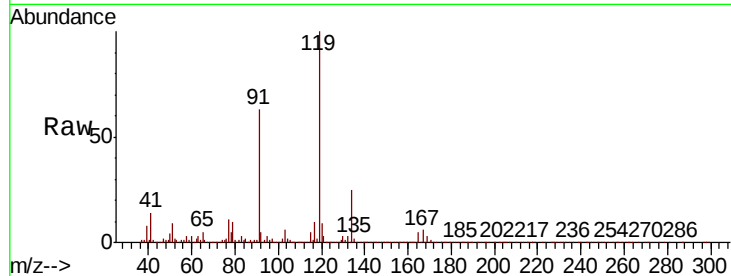
#83
tert-Butylbenzene
Concen: 19.713 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.4	28.5	85.6
134	24.3	12.2	36.6

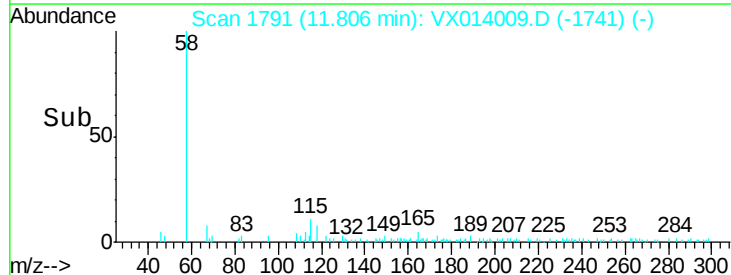
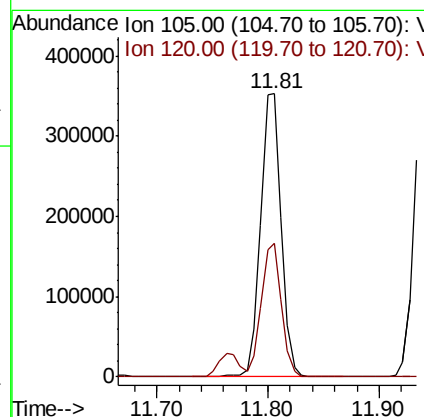
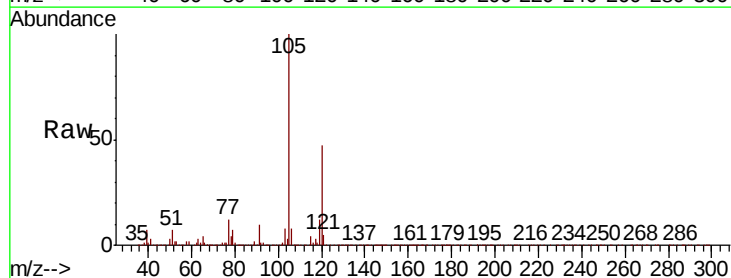
Manual Integrations
APPROVED

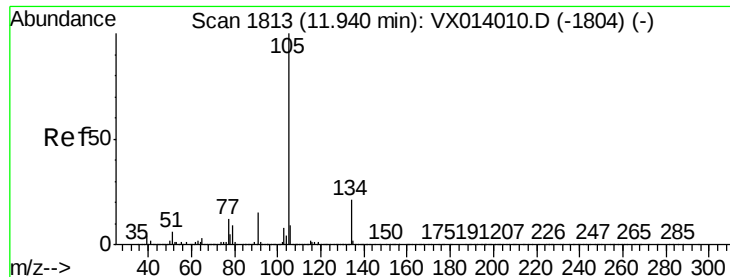
apatel
12/16/2019 12:46:00 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.233 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.872 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 513400

Ion Ratio Lower Upper

105 100

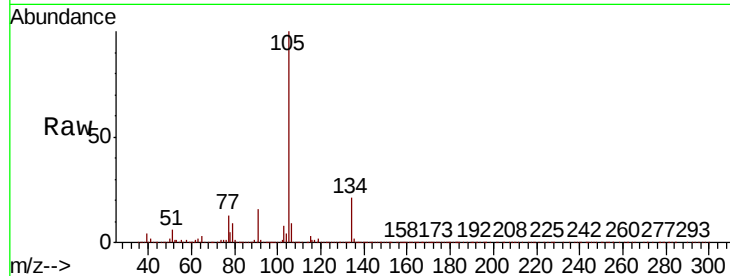
134 20.7 10.4 31.1

Manual Integrations

APPROVED

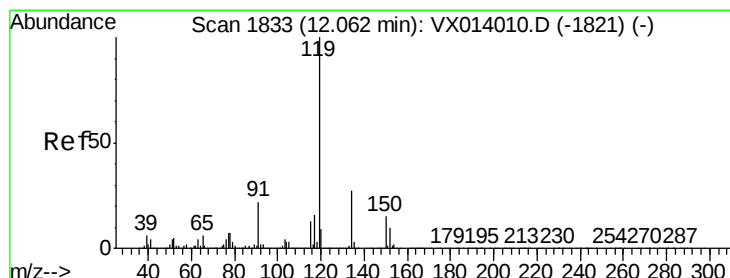
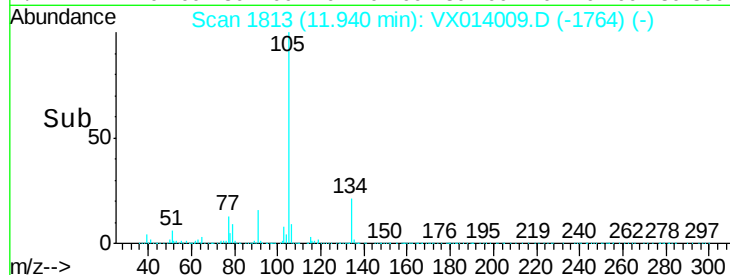
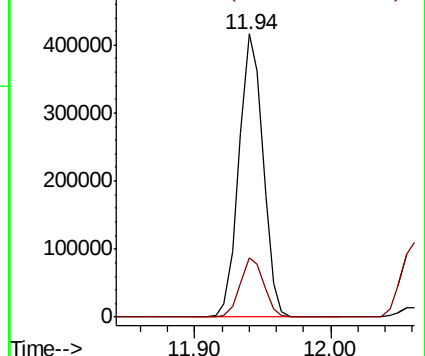
apatel

12/16/2019 12:46:00 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.806 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

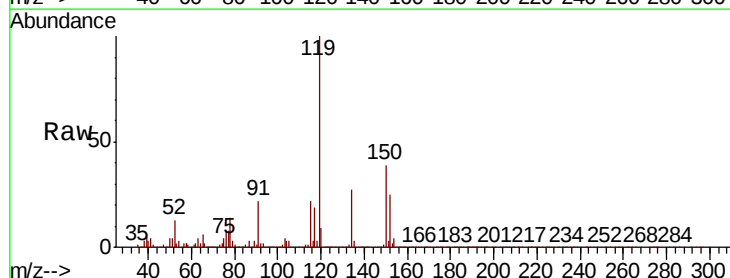
Tgt Ion:119 Resp: 475332

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

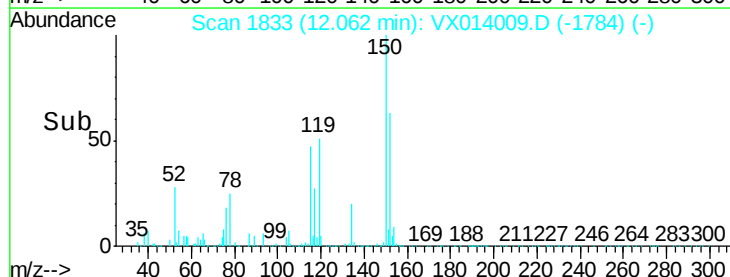
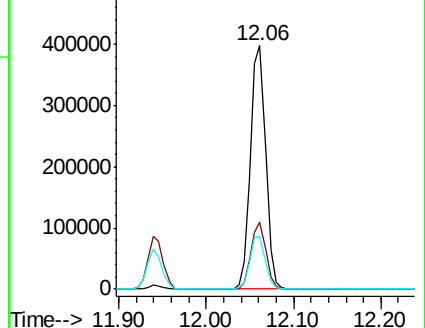
91 22.0 11.4 34.1

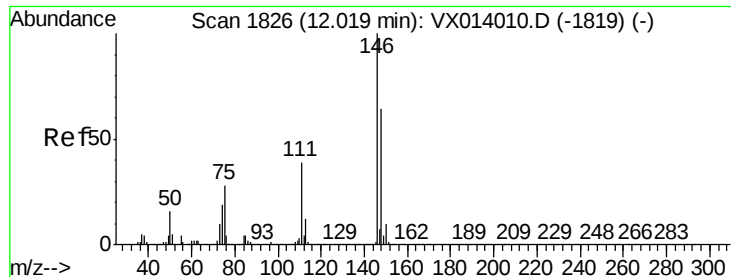


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.556 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX014009.D

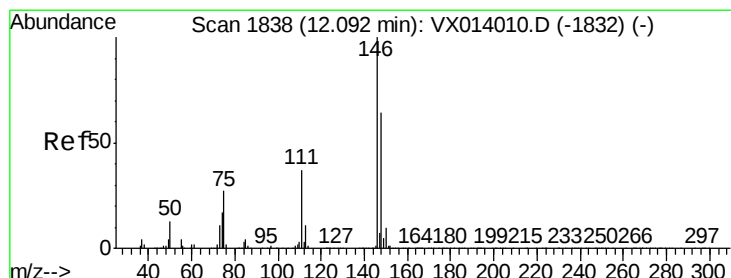
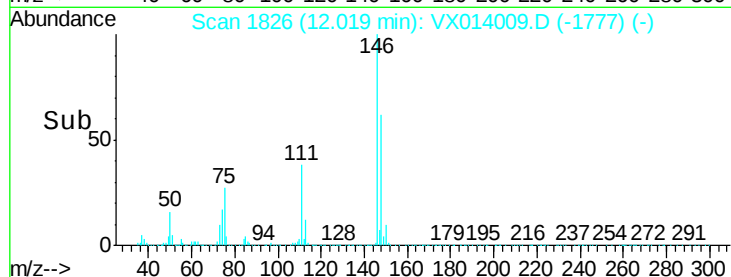
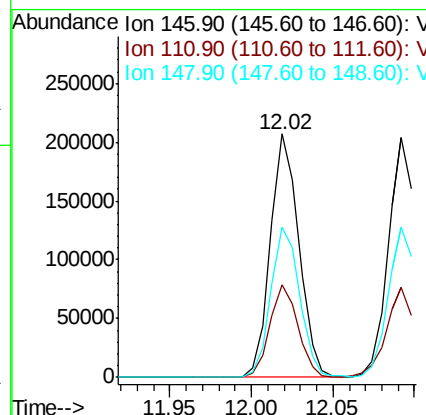
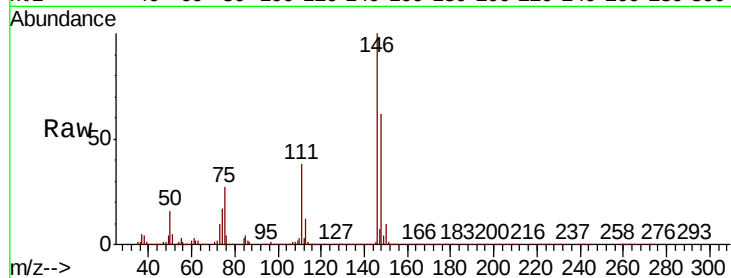
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	62.5	32.3	96.9

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#88

1,4-Dichlorobenzene

Concen: 18.953 ug/l

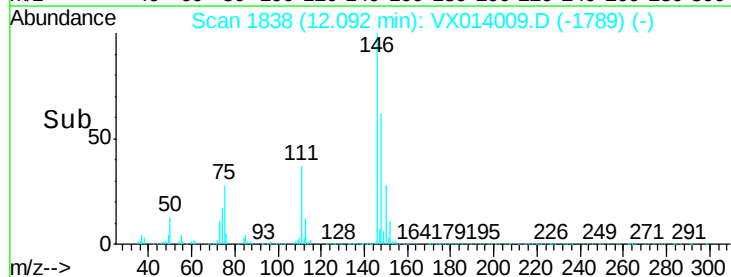
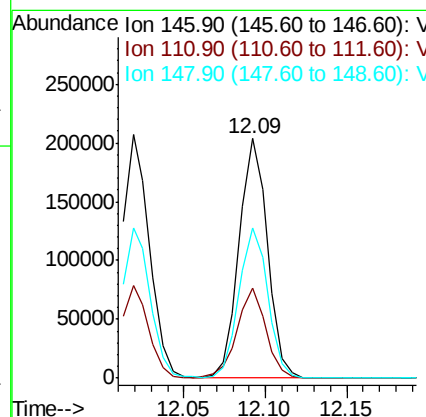
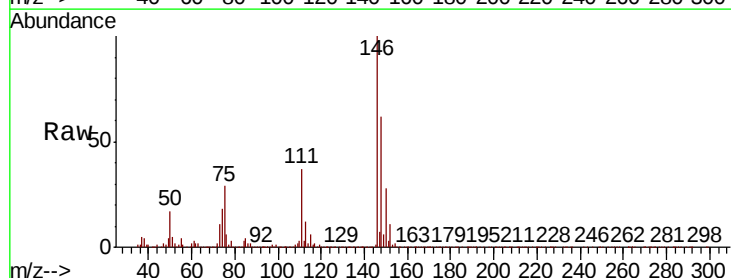
RT: 12.09 min Scan# 1838

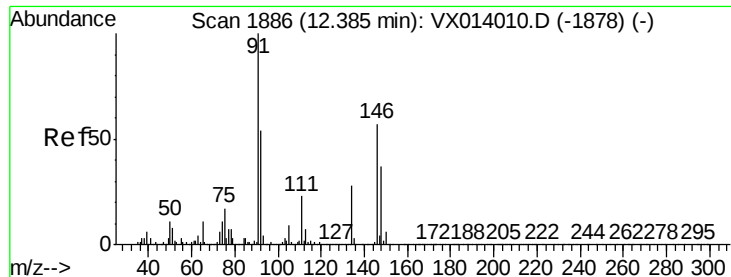
Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	63.7	31.9	95.9





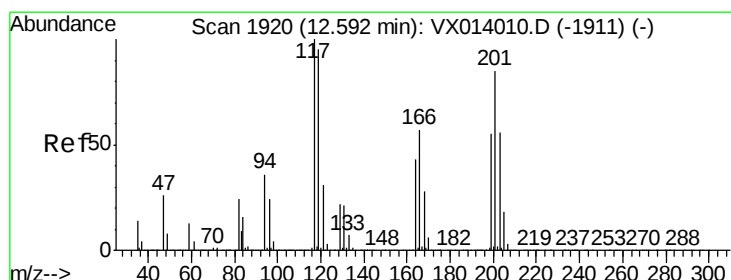
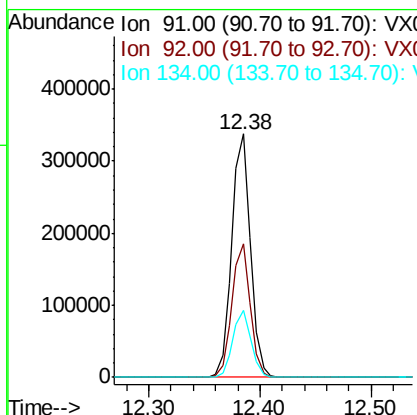
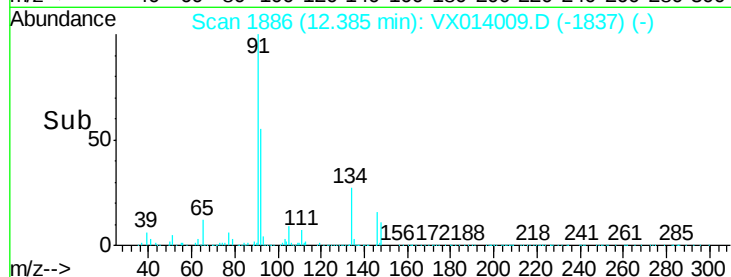
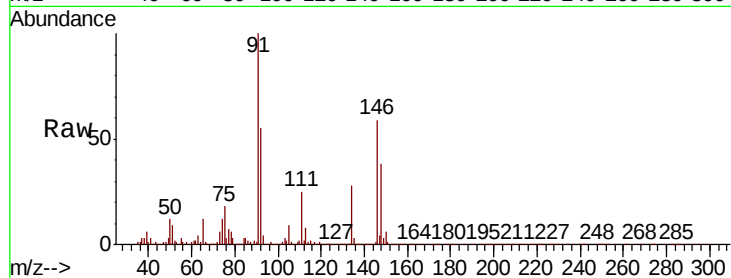
#89
n-Butylbenzene
Concen: 19.038 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	390195		
92	54.0	27.2	81.6	
134	27.1	13.4	40.1	

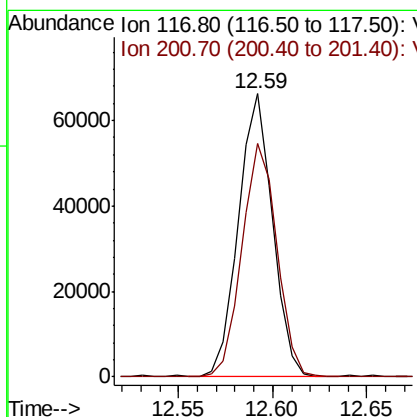
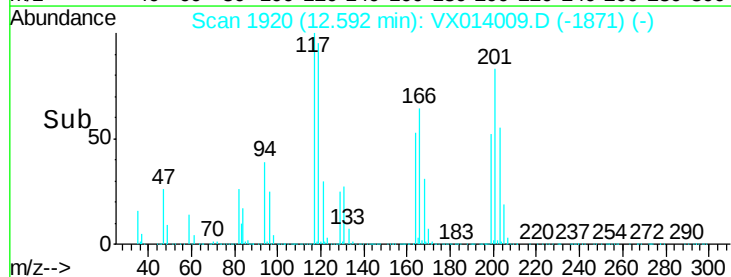
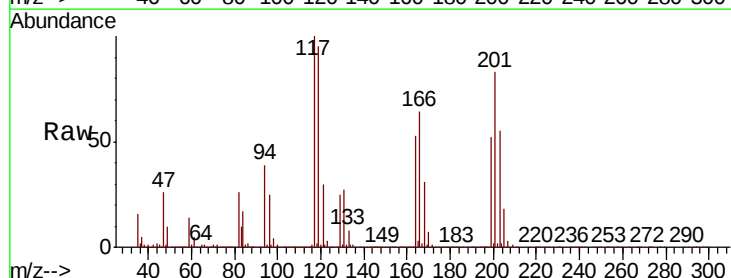
Manual Integrations
APPROVED

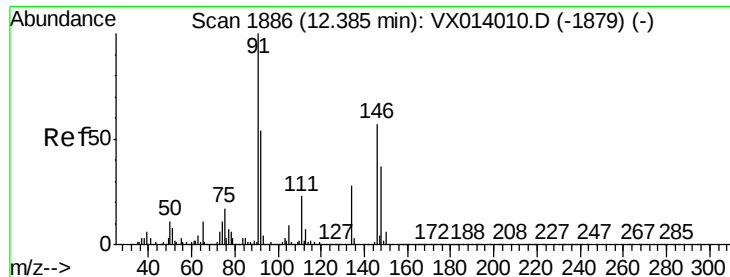
apatel
12/16/2019 12:46:00 PM



#90
Hexachloroethane
Concen: 19.051 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	82875		
201	85.0	43.1	129.3	





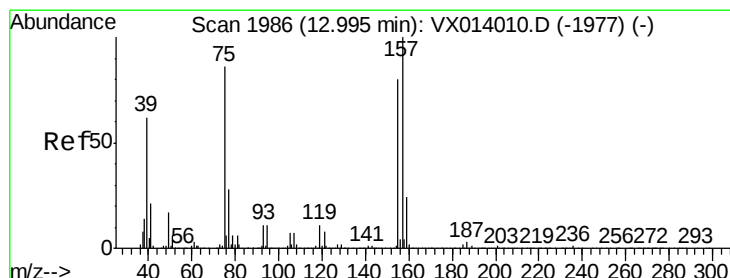
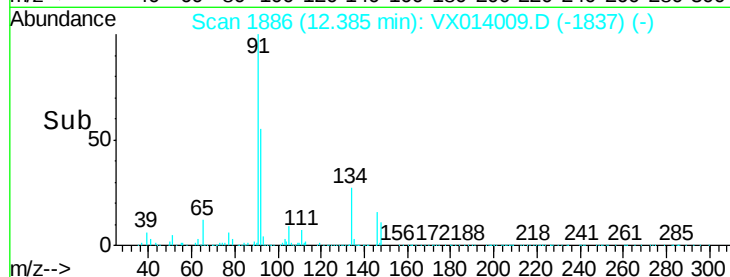
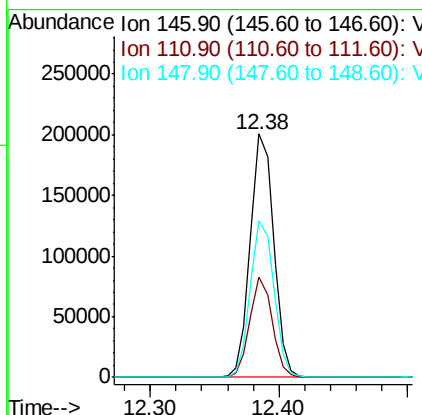
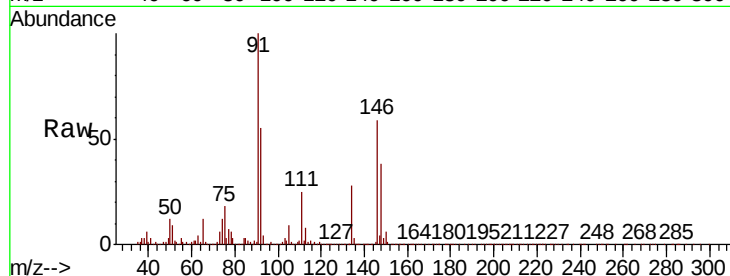
#91
1,2-Dichlorobenzene
Concen: 19.914 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	65.0	32.1	96.5

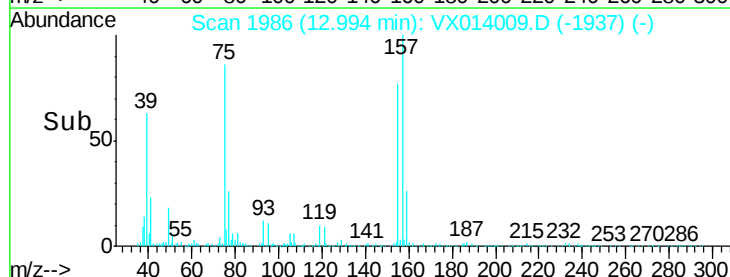
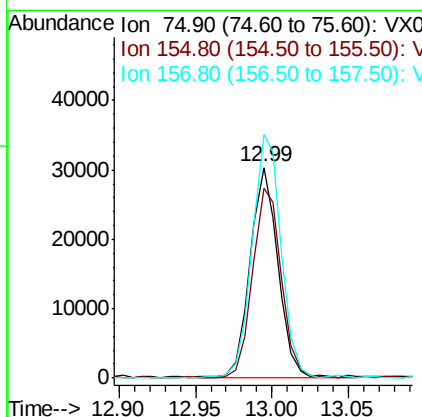
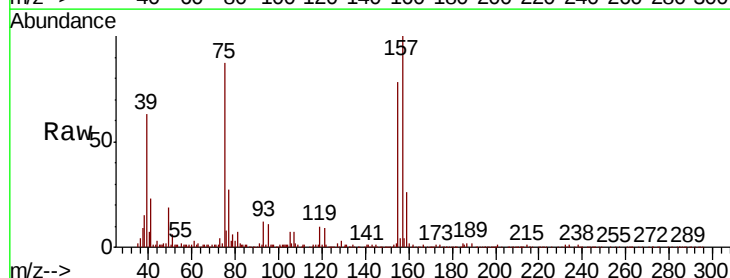
Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.769 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	46.9	140.6
157	121.4	60.8	182.4





#93

1,2,4-Trichlorobenzene

Concen: 17.900 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

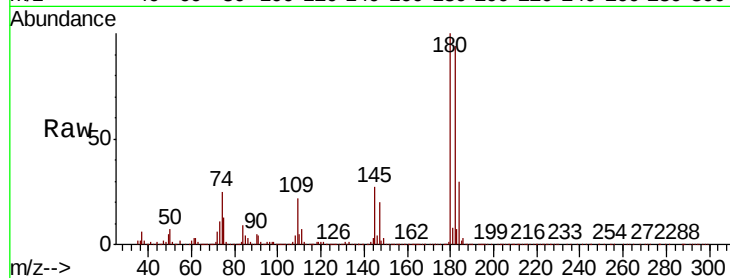
ClientSampleId :

VSTDIC020

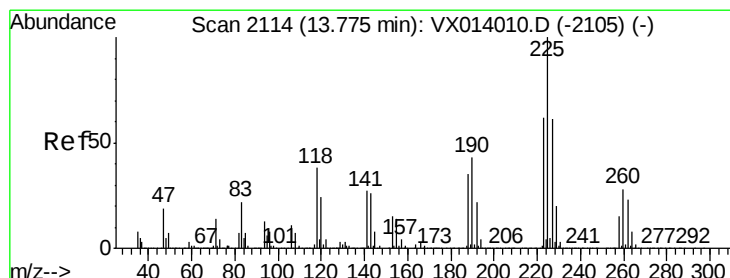
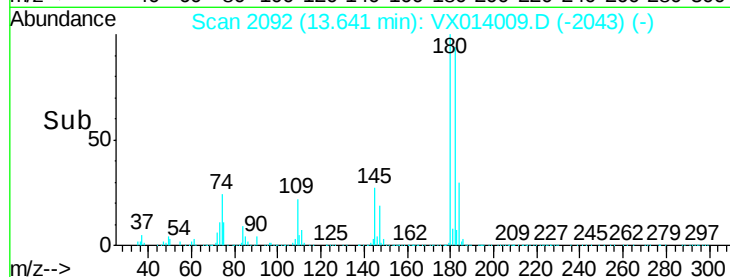
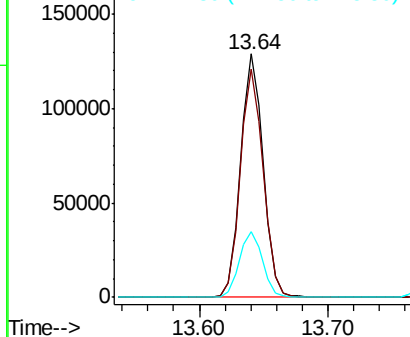
Tot Ion:	180	Resp:	156382
Ion Ratio	Lower	Upper	
180	100		
182	95.0	46.6	139.8
145	27.7	14.2	42.6

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 17.583 ug/l

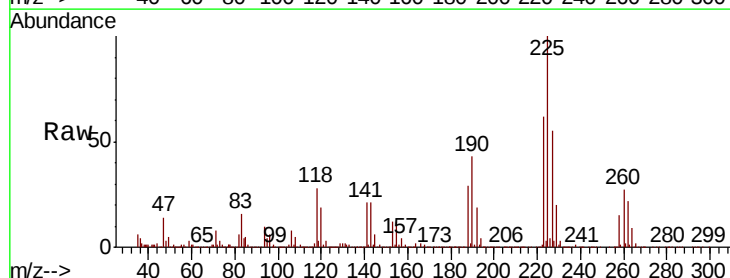
RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

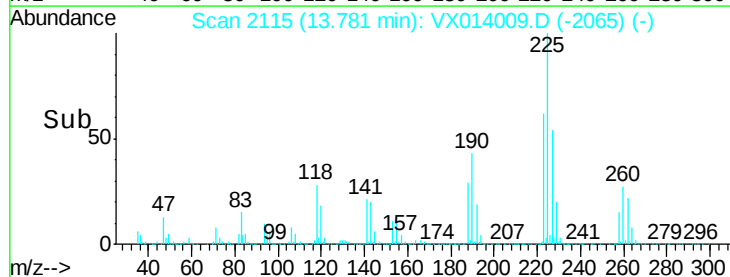
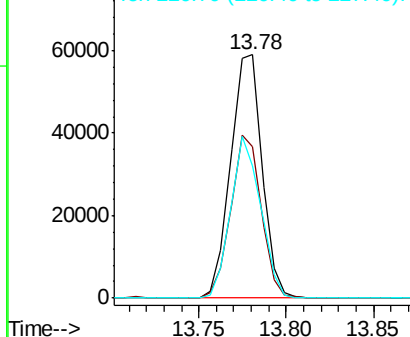
Lab File: VX014009.D

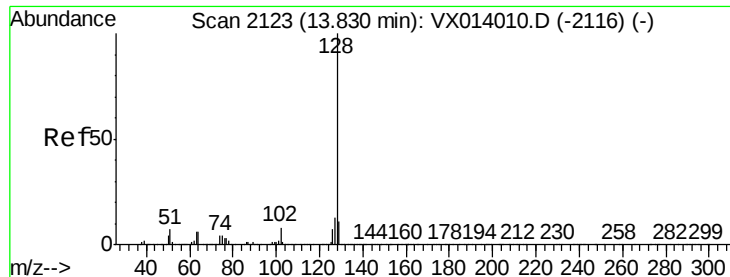
Acq: 13 Dec 2019 15:36

Tgt Ion:	225	Resp:	74336
Ion Ratio	Lower	Upper	
225	100		
223	64.5	30.9	92.5
227	63.3	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.715 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Instrument :

MSVOA_X

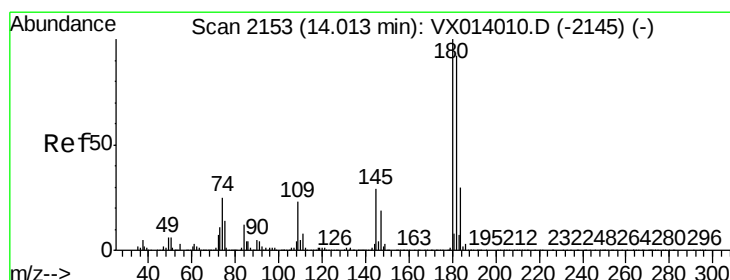
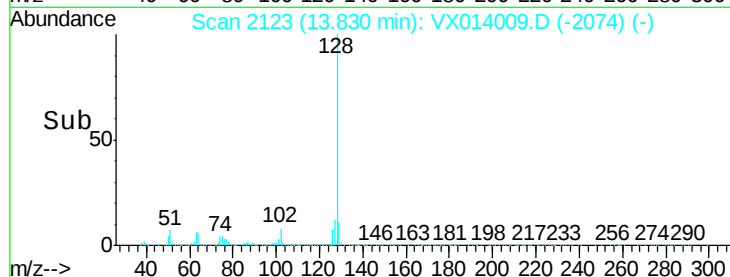
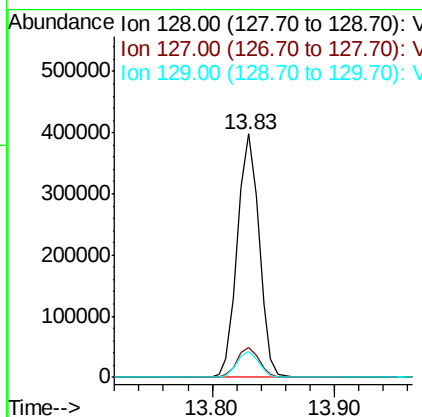
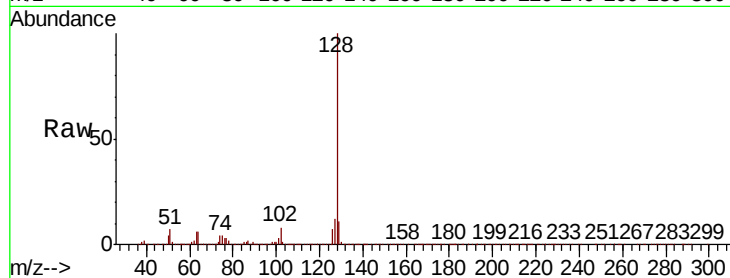
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	485683
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.4
129	10.5	8.7	13.1

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:00 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.389 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX014009.D

Acq: 13 Dec 2019 15:36

Tgt Ion:	180	Resp:	159787
Ion Ratio	Lower	Upper	
180	100		
182	94.7	46.8	140.3
145	30.5	14.8	44.4

