

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013517.D
 Acq On : 21 Nov 2019 20:40
 Operator : JC/SP
 Sample : K5962-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MSD

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 8:44:02 AM

Quant Time: Nov 22 06:08:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	640743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	988241	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	900414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	442941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	363052	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
35) Dibromofluoromethane	5.49	113	303641	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.71	98	1126961	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	11.14	95	405377	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	418984	56.752	ug/l	99
3) Chloromethane	1.31	50	349013	43.594	ug/l	100
4) Vinyl Chloride	1.40	62	1906998	209.226	ug/l	100
5) Bromomethane	1.62	94	279890	44.066	ug/l	98
6) Chloroethane	1.70	64	232607	44.514	ug/l	100
7) Trichlorofluoromethane	1.92	101	468405	43.498	ug/l	97
8) Diethyl Ether	2.18	74	225049	47.261	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	363712	60.600	ug/l	98
10) Methyl Iodide	2.50	142	313695	42.215	ug/l	97
11) Tert butyl alcohol	3.04	59	468417	234.122	ug/l	100
12) 1,1-Dichloroethene	2.36	96	420385	71.525	ug/l	99
13) Acrolein	2.28	56	223282	205.914	ug/l	98
14) Allyl chloride	2.72	41	522383	48.917	ug/l	95
15) Acrylonitrile	3.13	53	985722	263.753	ug/l	99
16) Acetone	2.44	43	851501	224.893	ug/l	96
17) Carbon Disulfide	2.56	76	682917	43.412	ug/l	100
18) Methyl Acetate	2.76	43	546859	52.316	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1042011	53.155	ug/l	98
20) Methylene Chloride	2.84	84	337406	48.231	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	478300	74.741	ug/l	99
22) Diisopropyl ether	3.84	45	1089534	52.846	ug/l	98
23) Vinyl Acetate	3.80	43	4268395	241.945	ug/l	100
24) 1,1-Dichloroethane	3.69	63	592955	51.412	ug/l	99
25) 2-Butanone	4.66	43	1360357	244.912	ug/l	98
26) 2,2-Dichloropropane	4.58	77	412073	44.912	ug/l #	1
27) cis-1,2-Dichloroethene	4.59	96	21202129	2957.593	ug/l	85
28) Bromochloromethane	5.01	49	148311	45.290	ug/l	98
29) Tetrahydrofuran	5.11	42	898865	262.604	ug/l	100
30) Chloroform	5.20	83	577613	50.719	ug/l	98
31) Cyclohexane	5.57	56	484245	46.661	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	489953	49.991	ug/l	99
36) 1,1-Dichloropropene	5.79	75	418800	49.399	ug/l	99
37) Ethyl Acetate	4.83	43	491259	46.895	ug/l #	81
38) Carbon Tetrachloride	5.78	117	411612	49.650	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112119\
 Data File : VX013517.D
 Acq On : 21 Nov 2019 20:40
 Operator : JC/SP
 Sample : K5962-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MSD

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 8:44:02 AM

Quant Time: Nov 22 06:08:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	484169	45.834	ug/l	99
40) Benzene	6.14	78	1320173	49.991	ug/l	100
41) Methacrylonitrile	5.03	41	296994	50.581	ug/l	98
42) 1,2-Dichloroethane	6.18	62	474563	49.819	ug/l	99
43) Isopropyl Acetate	6.43	43	835356	51.209	ug/l	99
44) Trichloroethene	7.21	130	21690846	2983.898	ug/l	92
45) 1,2-Dichloropropane	7.51	63	342587	50.914	ug/l	100
46) Dibromomethane	7.65	93	227100	49.432	ug/l	98
47) Bromodichloromethane	7.89	83	458712	52.949	ug/l	97
48) Methyl methacrylate	7.76	41	425263	52.225	ug/l	97
49) 1,4-Dioxane	7.73	88	170136	912.344	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2763827	258.240	ug/l	99
52) Toluene	8.78	92	826152	50.474	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	508738	53.703	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	549426	51.848	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	355360	52.380	ug/l	100
56) Ethyl methacrylate	9.17	69	575148	49.669	ug/l	97
57) 1,3-Dichloropropane	9.37	76	597741	51.903	ug/l	100
59) 2-Hexanone	9.49	43	2129725	257.503	ug/l	98
60) Dibromochloromethane	9.58	129	377845	54.457	ug/l	97
61) 1,2-Dibromoethane	9.67	107	365577	50.746	ug/l	98
64) Tetrachloroethene	9.33	164	305187	47.347	ug/l	96
65) Chlorobenzene	10.14	112	909056	49.868	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	347928	51.981	ug/l	99
67) Ethyl Benzene	10.25	91	1579896	50.216	ug/l	99
68) m/p-Xylenes	10.36	106	1198607	100.735	ug/l	99
69) o-Xylene	10.70	106	588127	50.487	ug/l	99
70) Stvrene	10.71	104	1011338	51.936	ug/l	99
71) Bromoform	10.85	173	295629	47.787	ug/l #	99
73) Isopropylbenzene	11.01	105	1561551	53.173	ug/l	100
74) N-amyl acetate	10.89	43	713375	52.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	580448	54.178	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	443387m	49.283	ug/l	
77) Bromobenzene	11.25	156	415851	53.117	ug/l	98
78) n-propylbenzene	11.35	91	1732090	52.947	ug/l	99
79) 2-Chlorotoluene	11.42	91	1043887	52.962	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1298534	53.084	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	183166	52.404	ug/l	96
82) 4-Chlorotoluene	11.51	91	1199172	51.974	ug/l	99
83) tert-Butylbenzene	11.77	119	1343666	54.567	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1290023	52.571	ug/l	98
85) sec-Butylbenzene	11.94	105	1499850	52.997	ug/l	99
86) p-Isopropyltoluene	12.06	119	1377621	52.864	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	718364	51.476	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	710899	49.998	ug/l	100
89) n-Butylbenzene	12.39	91	1151565	50.643	ug/l	100
90) Hexachloroethane	12.59	117	254054	54.717	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	734599	52.660	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	128662	49.292	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	483581	49.697	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
Data File : VX013517.D
Acq On : 21 Nov 2019 20:40
Operator : JC/SP
Sample : K5962-05MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

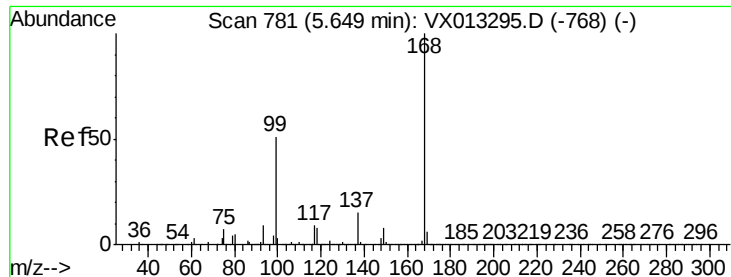
Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM

Quant Time: Nov 22 06:08:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	220453	46.308	ug/l	99
95) Naphthalene	13.83	128	1561628	51.151	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	489556	50.167	ug/l	99

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



#1

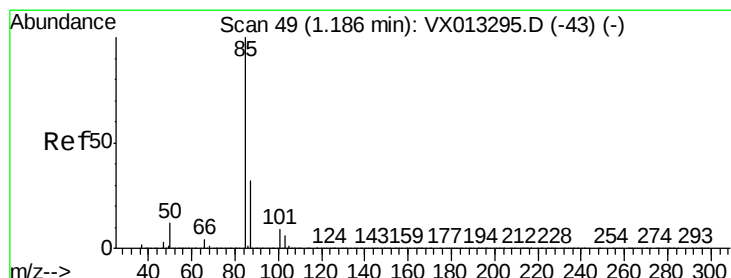
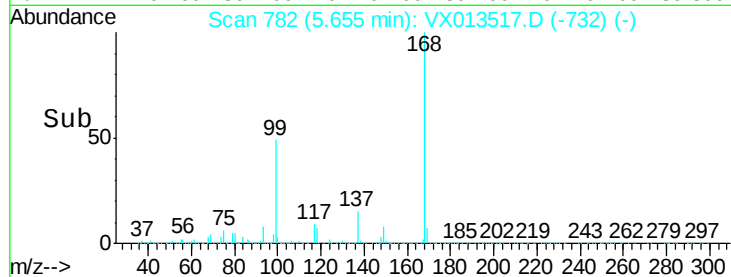
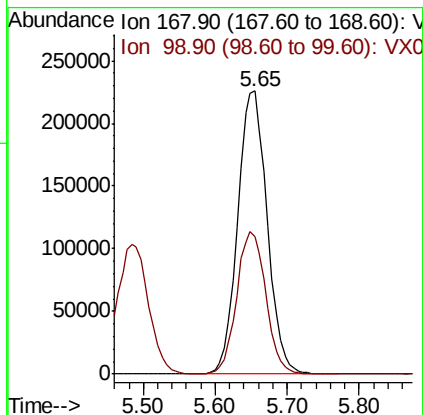
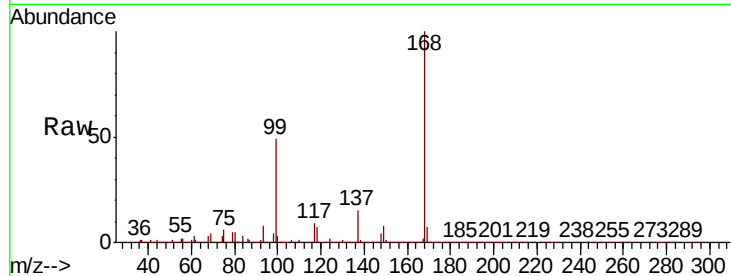
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.3	40.8	61.2

Manual Integrations
 APPROVED

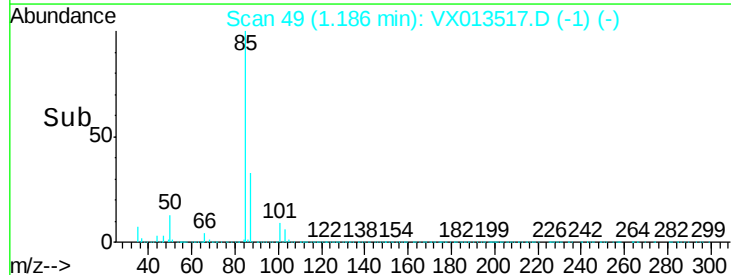
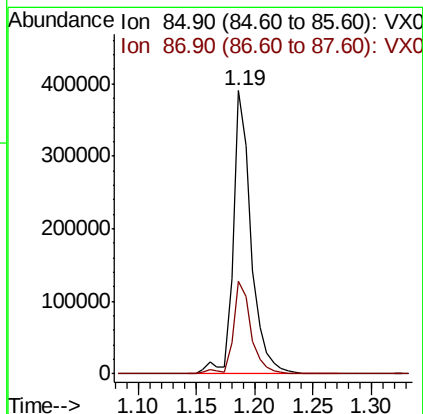
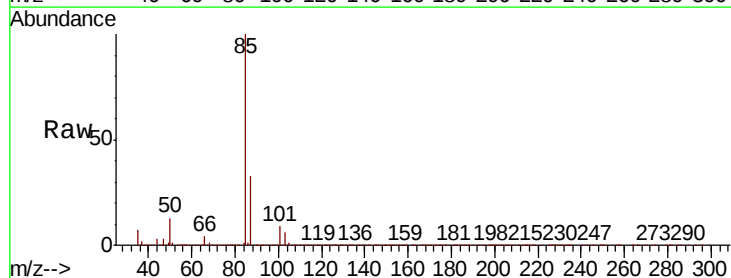
MMDadoda
 11/22/2019 8:44:02 AM



#2

Dichlorodifluoromethane
 Concen: 56.752 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.9	47.6





#3

Chloromethane

Concen: 43.594 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion: 50 Resp: 349013

Ion Ratio Lower Upper

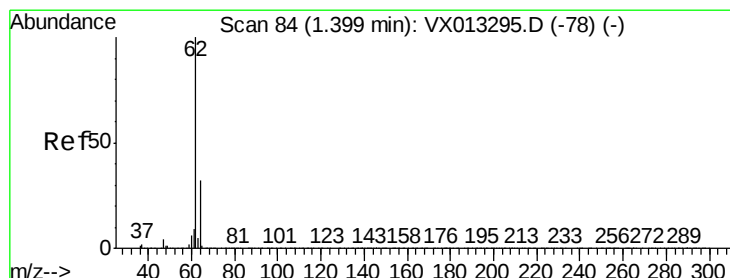
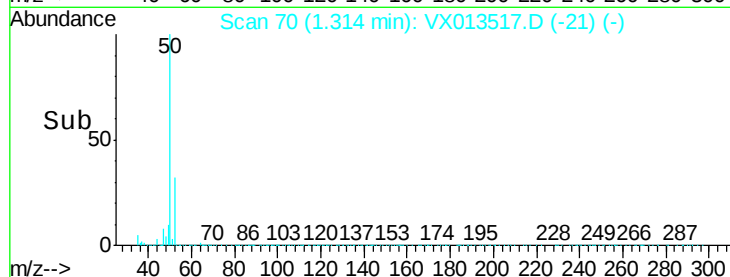
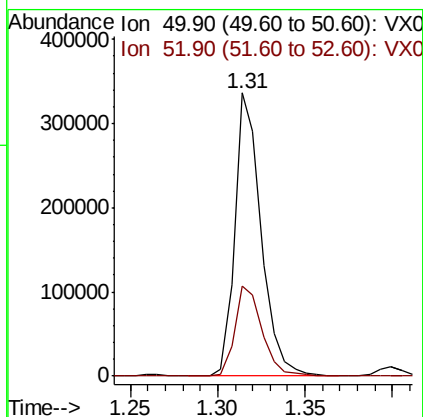
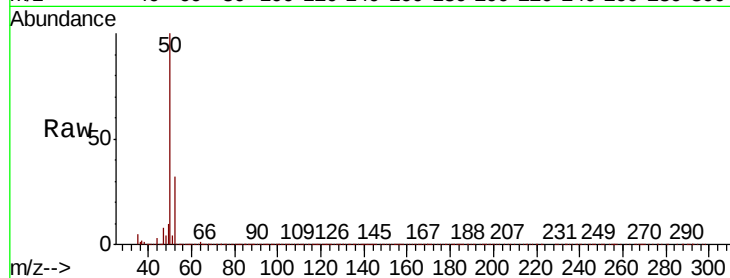
50 100

52 31.8 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

11/22/2019 8:44:02 AM



#4

Vinyl Chloride

Concen: 209.226 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013517.D

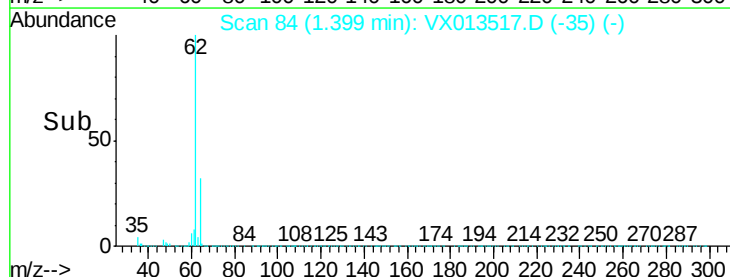
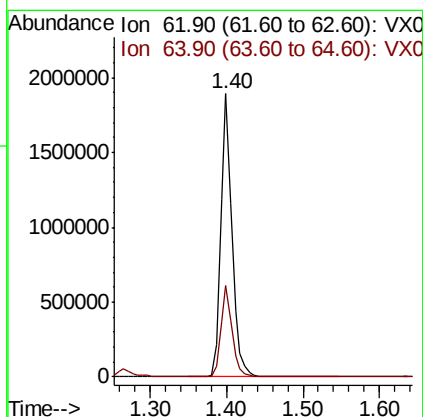
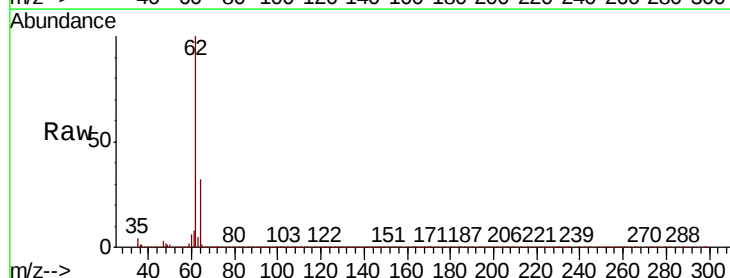
Acq: 21 Nov 2019 20:40

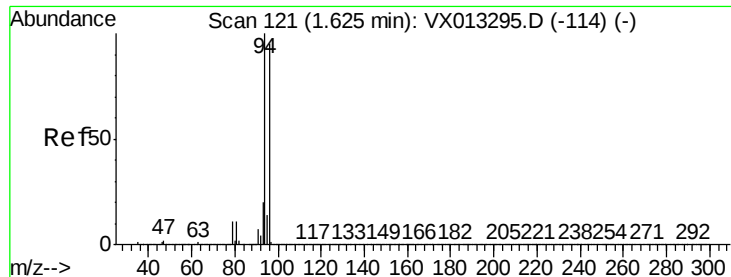
Tgt Ion: 62 Resp: 1906998

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 44.066 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion: 94 Resp: 279890

Ion Ratio Lower Upper

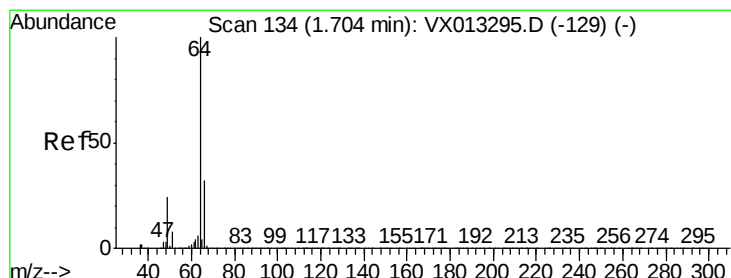
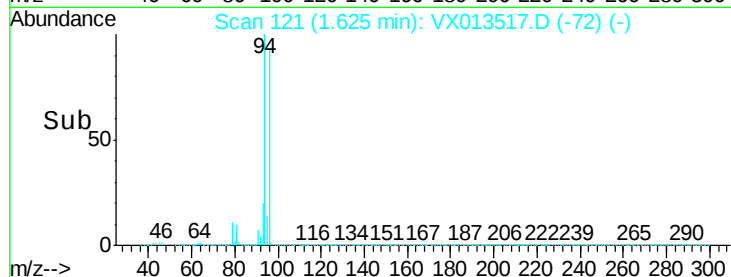
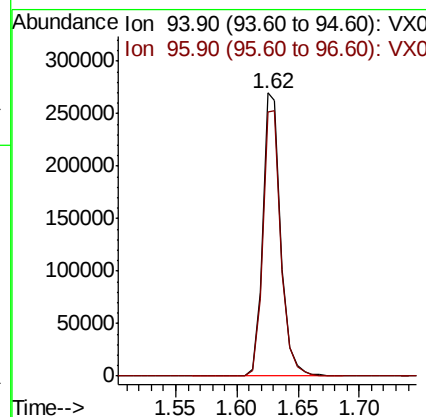
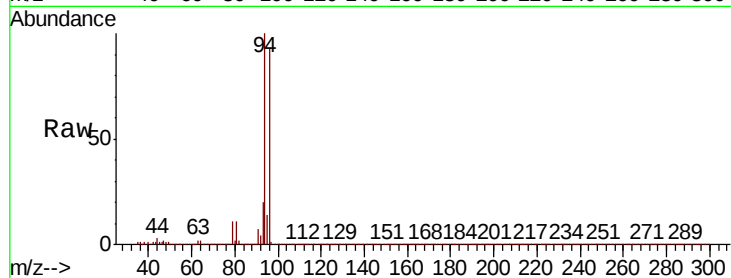
94 100

96 93.2 75.8 113.8

Manual Integrations
APPROVED

MMDadoda

11/22/2019 8:44:02 AM



#6

Chloroethane

Concen: 44.514 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX013517.D

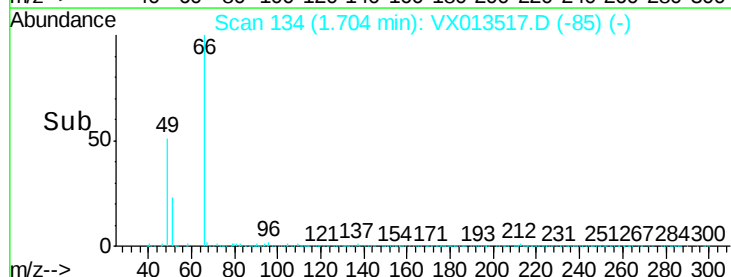
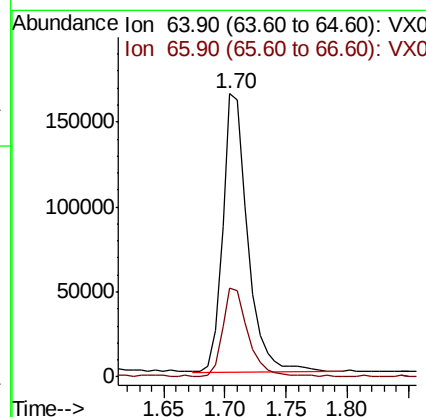
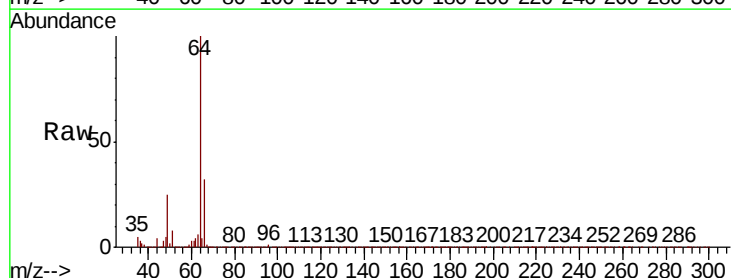
Acq: 21 Nov 2019 20:40

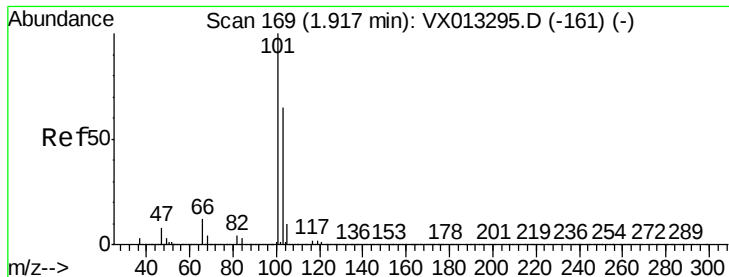
Tgt Ion: 64 Resp: 232607

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

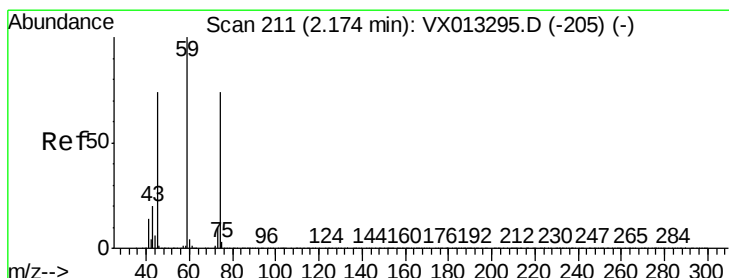
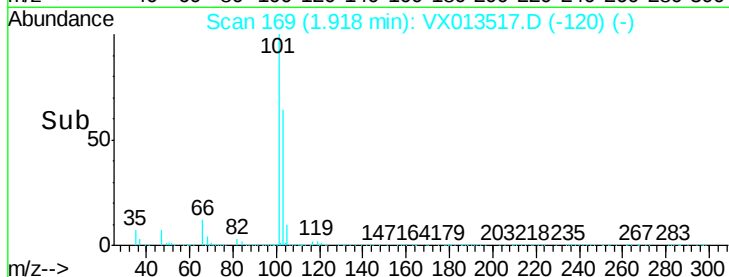
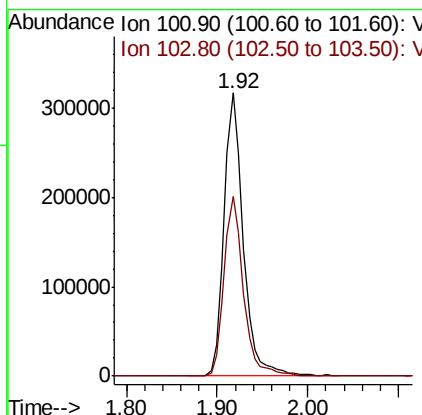
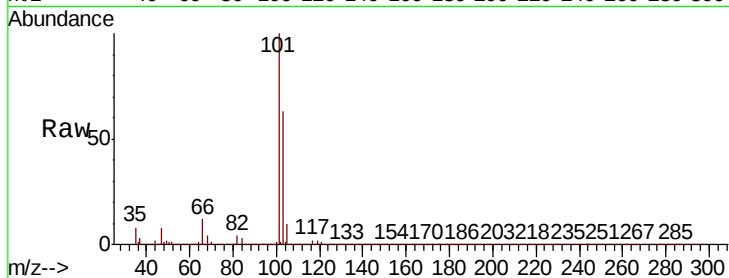
Trichlorofluoromethane
Concen: 43.498 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.3	78.5

Manual Integrations
APPROVED

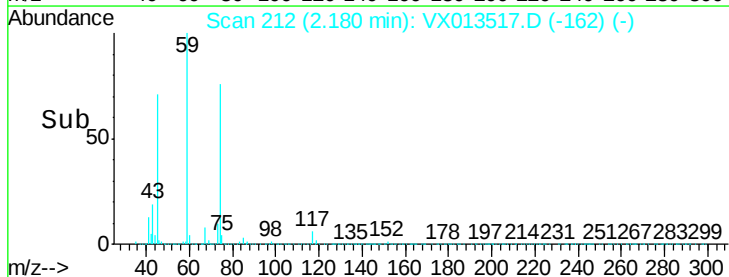
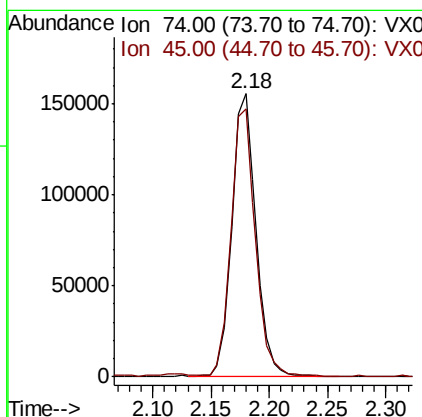
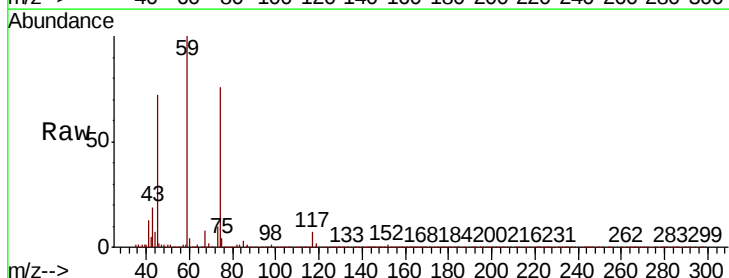
MMDadoda
11/22/2019 8:44:02 AM

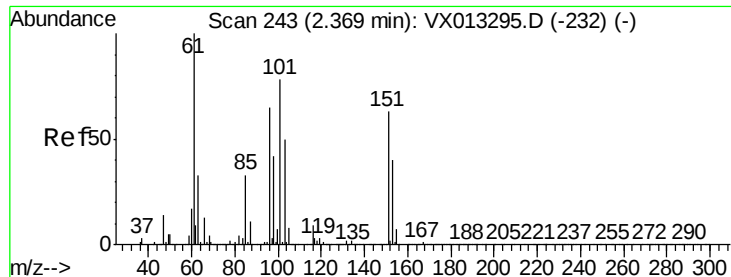


#8

Diethyl Ether
Concen: 47.261 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.600 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

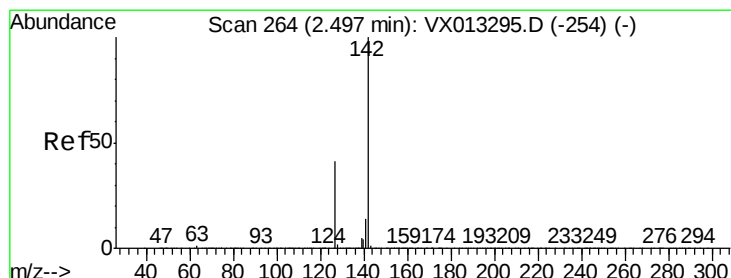
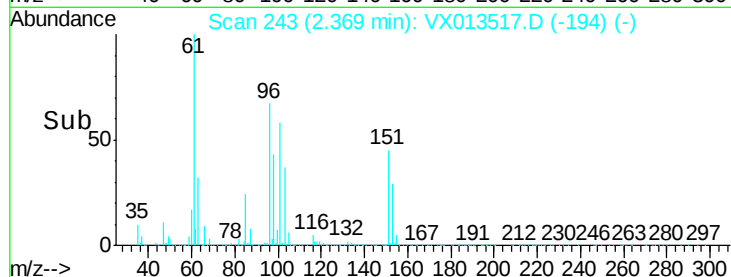
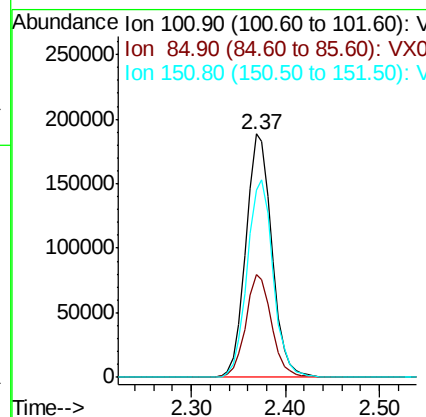
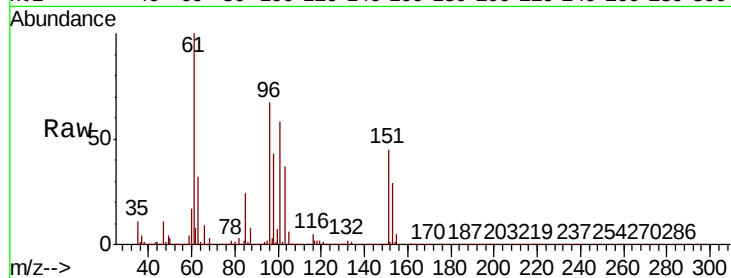
ClientSampleId :

15BR-20191120MSD

Tot Ion:	101	Resp:	363712
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.4	51.6
151	81.6	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#10

Methyl Iodide

Concen: 42.215 ug/l

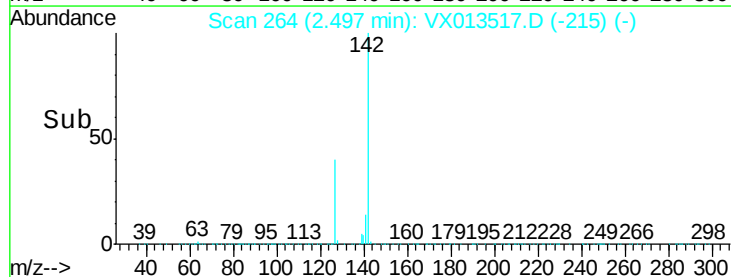
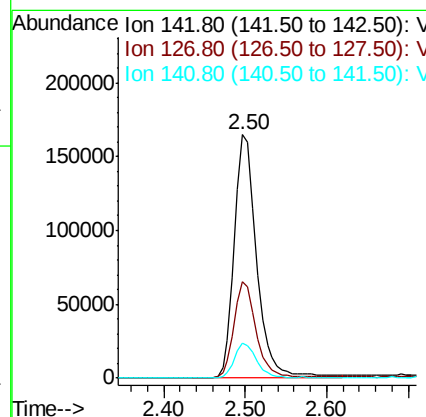
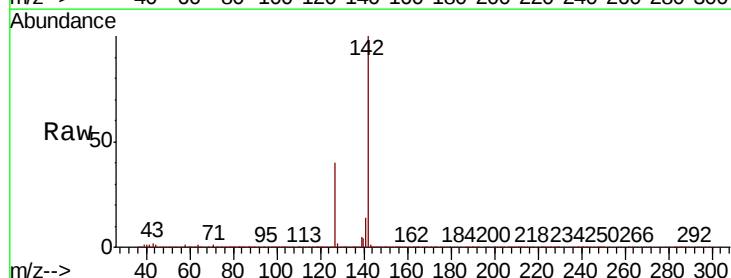
RT: 2.50 min Scan# 264

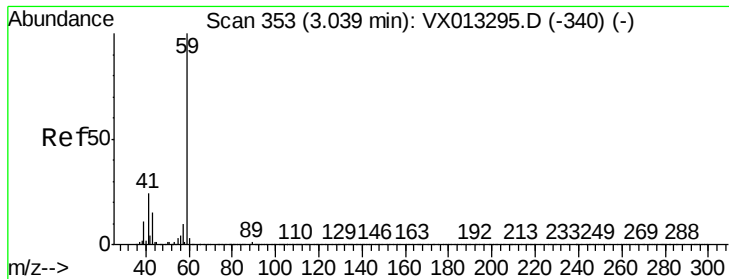
Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tgt Ion:	142	Resp:	313695
Ion Ratio	Lower	Upper	
142	100		
127	38.8	32.6	49.0
141	14.0	11.6	17.4





#11

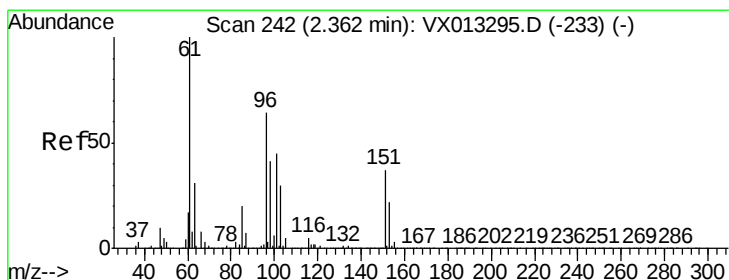
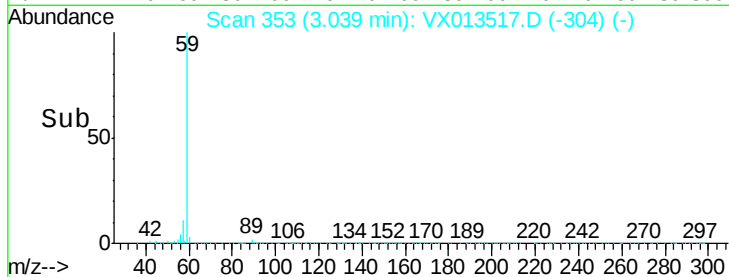
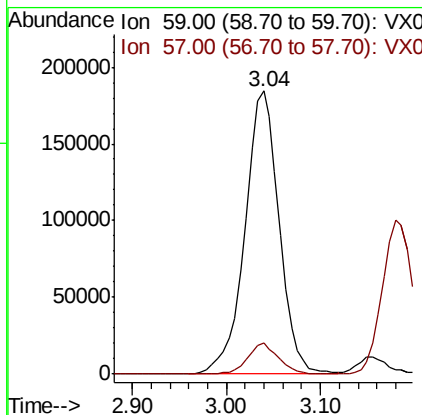
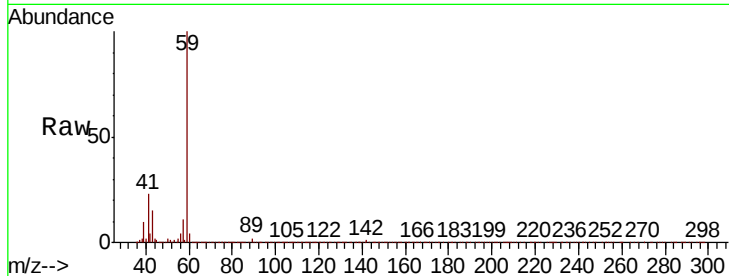
Tert butyl alcohol
Concen: 234.122 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

Manual Integrations
APPROVED

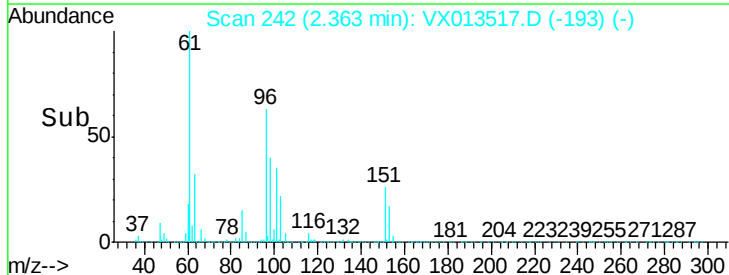
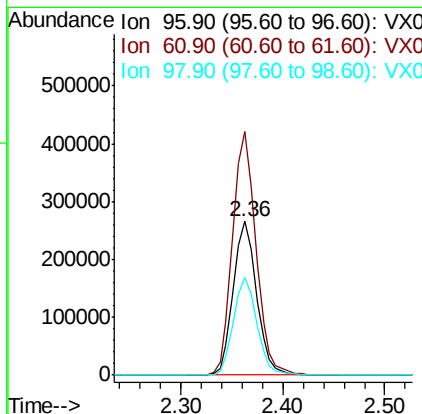
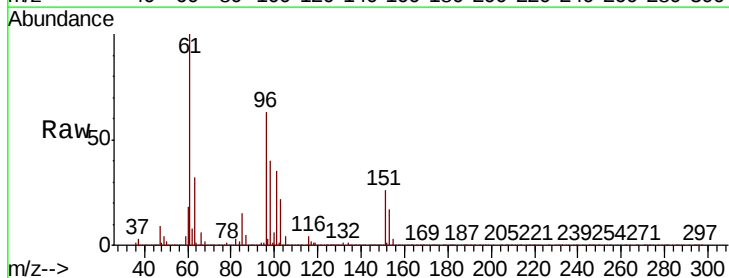
MMDadoda
11/22/2019 8:44:02 AM

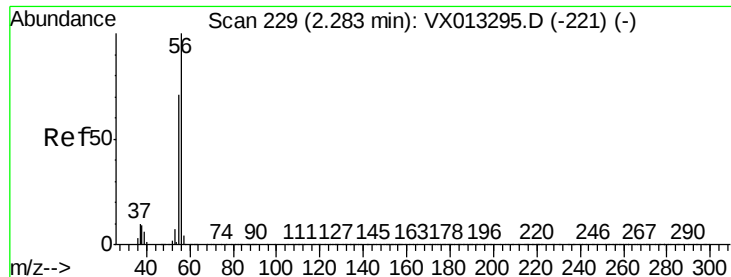


#12

1,1-Dichloroethene
Concen: 71.525 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	125.0	187.6
98	63.6	50.7	76.1





#13

Acrolein

Concen: 205.914 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion: 56 Resp: 223282

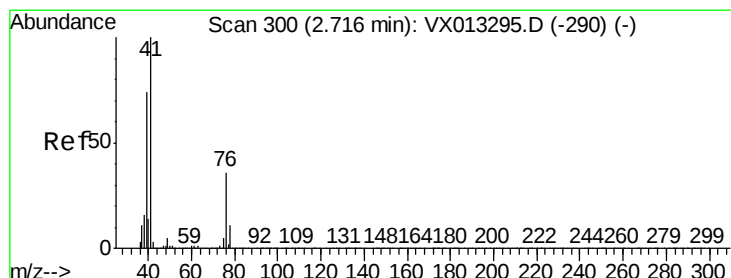
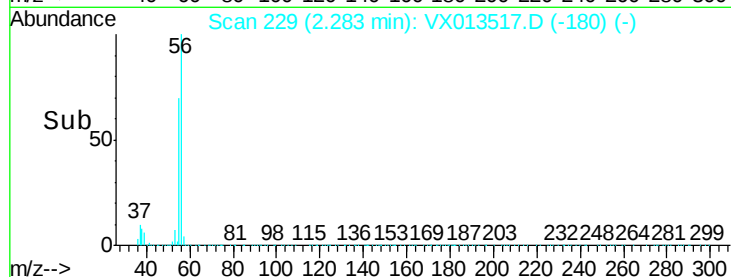
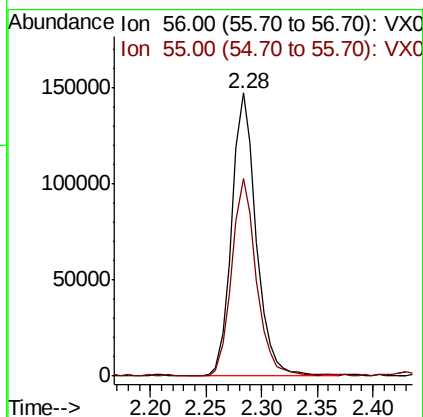
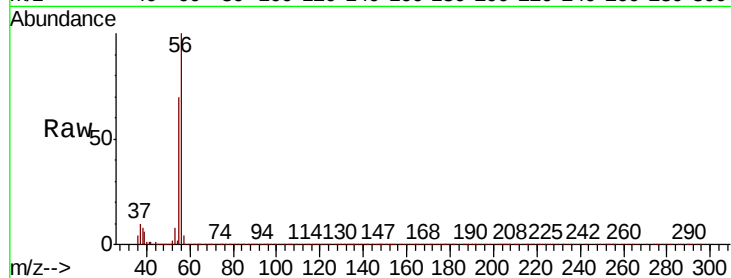
Ion Ratio Lower Upper

56 100

55 70.3 57.4 86.0

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#14

Allyl chloride

Concen: 48.917 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

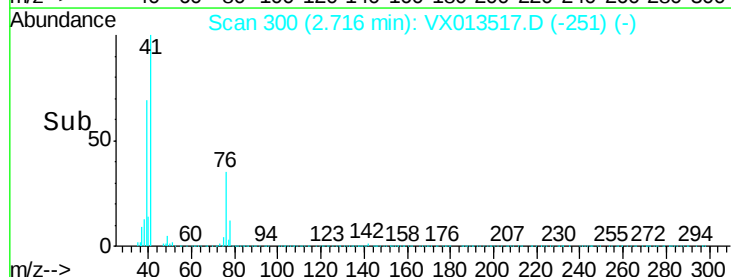
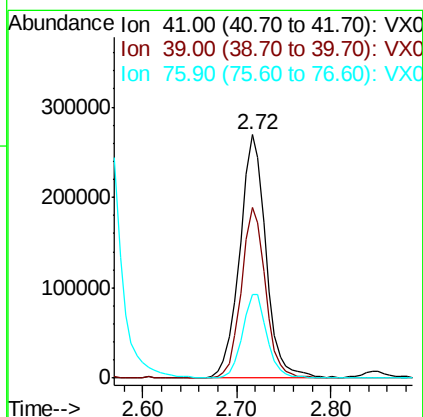
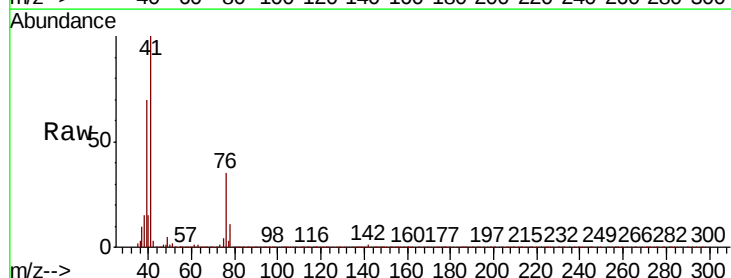
Tgt Ion: 41 Resp: 522383

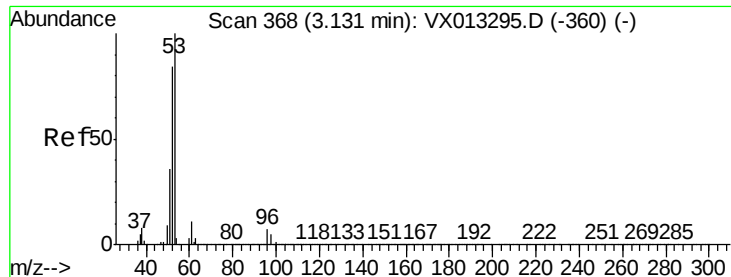
Ion Ratio Lower Upper

41 100

39 64.4 55.8 83.8

76 31.9 26.4 39.6





#15

Acrylonitrile

Concen: 263.753 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

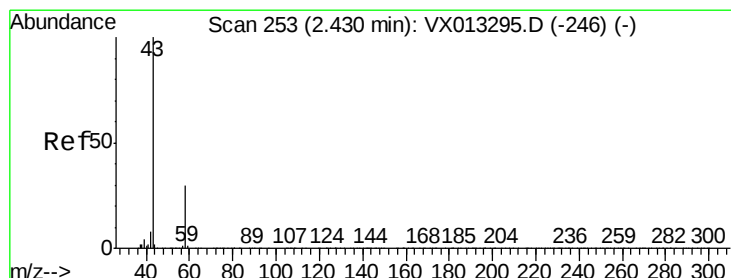
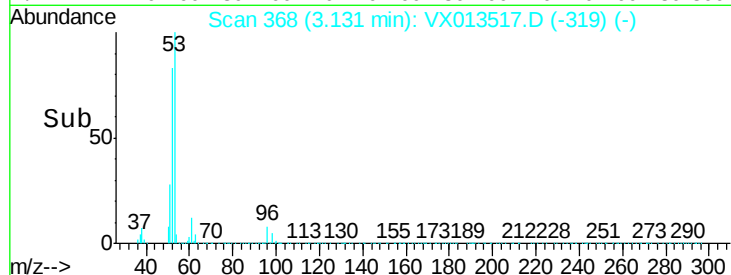
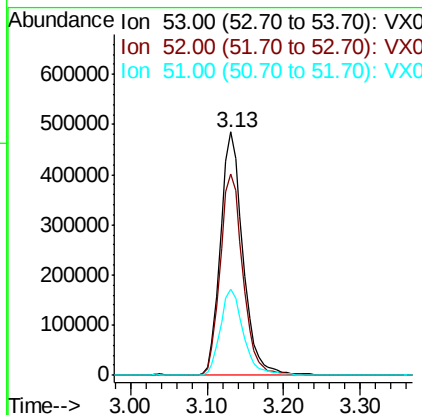
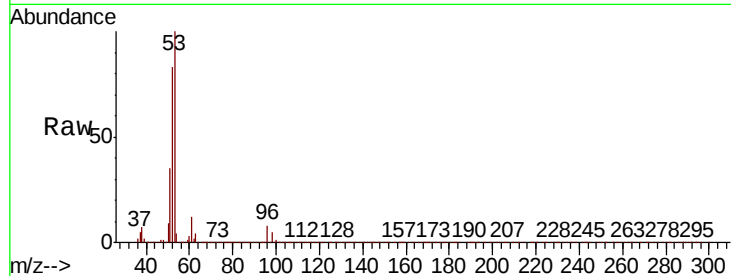
ClientSampleId :

15BR-20191120MSD

Tot Ion:	53	Resp:	985722
Ion Ratio		Lower	Upper
53	100		
52	83.8	67.4	101.0
51	36.2	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#16

Acetone

Concen: 224.893 ug/l

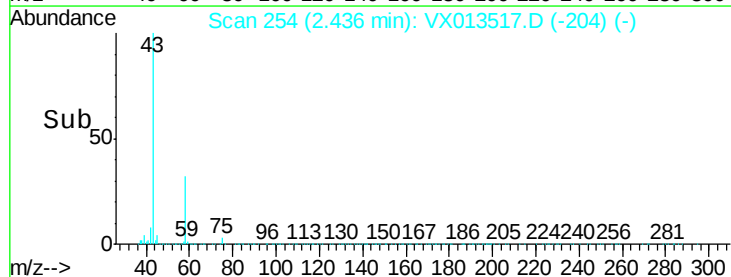
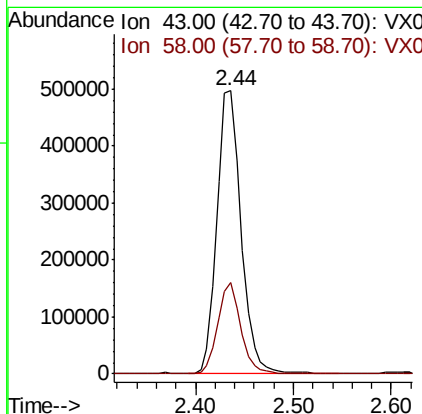
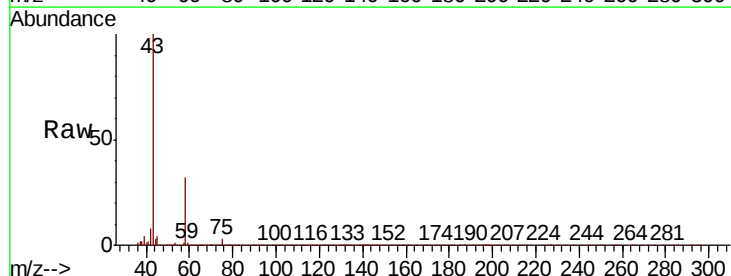
RT: 2.44 min Scan# 254

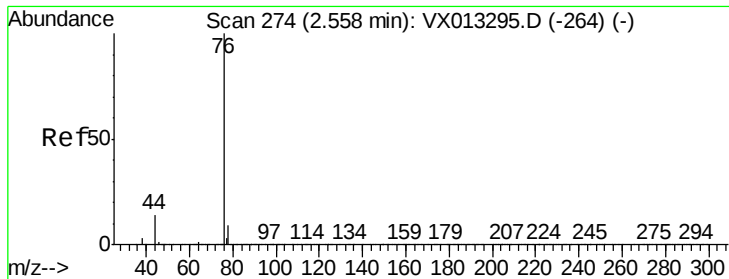
Delta R.T. 0.01 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tgt Ion:	43	Resp:	851501
Ion Ratio		Lower	Upper
43	100		
58	32.3	24.3	36.5





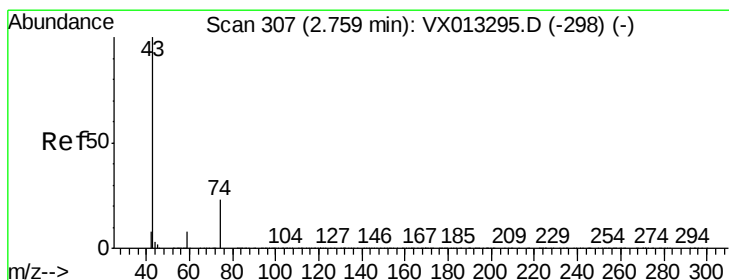
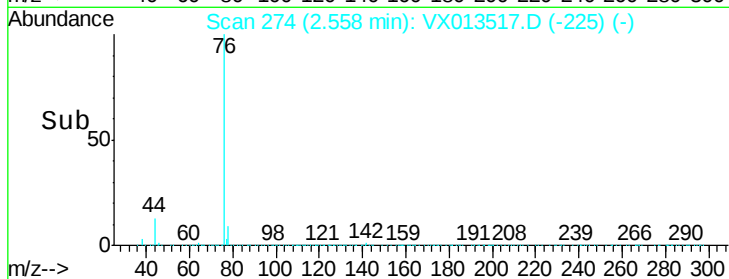
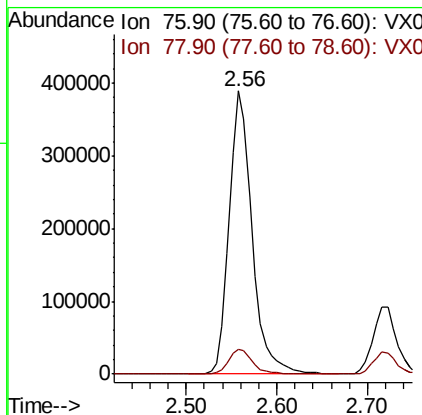
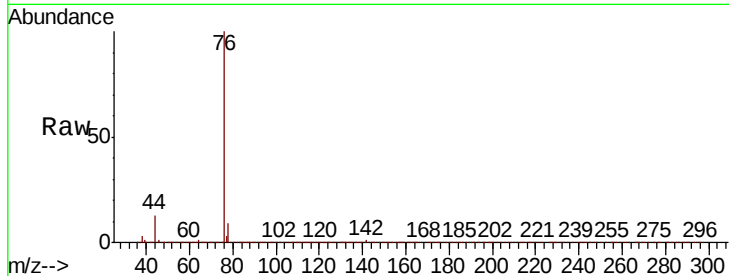
#17
Carbon Disulfide
Concen: 43.412 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

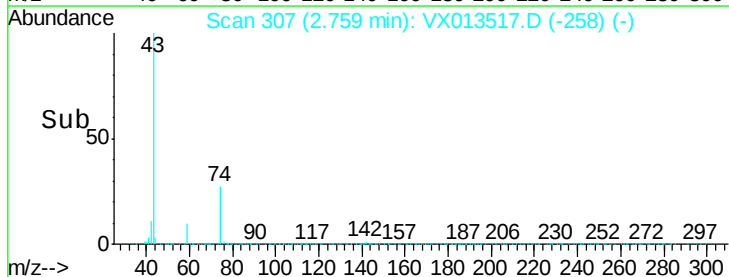
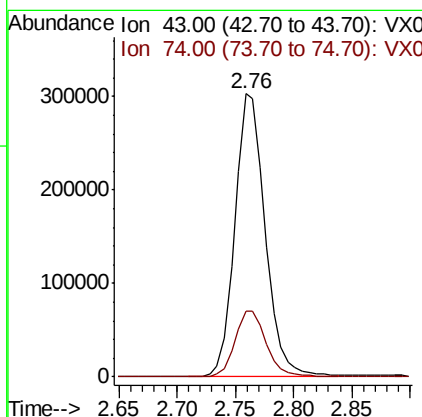
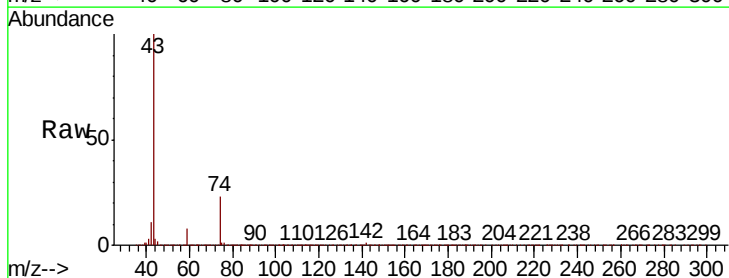
Manual Integrations
APPROVED

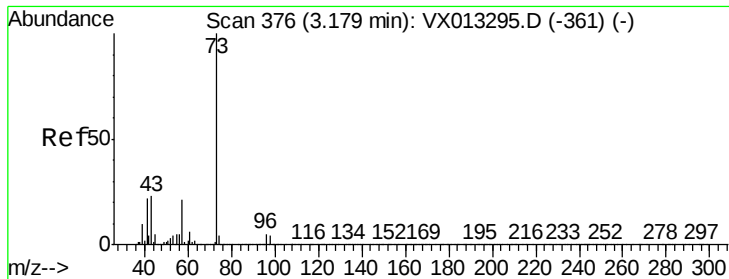
MMDadoda
11/22/2019 8:44:02 AM



#18
Methyl Acetate
Concen: 52.316 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.0	28.6





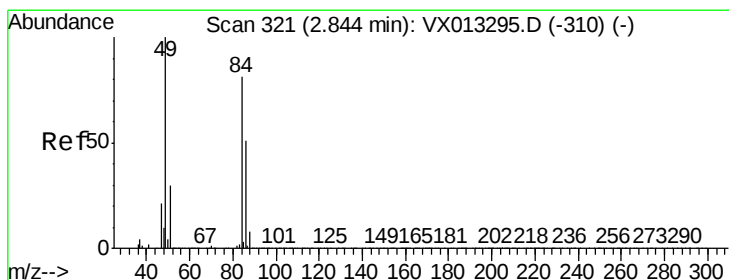
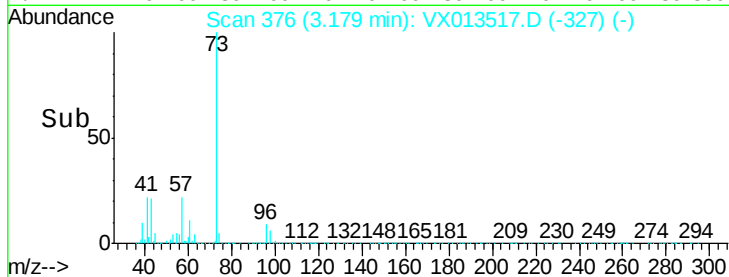
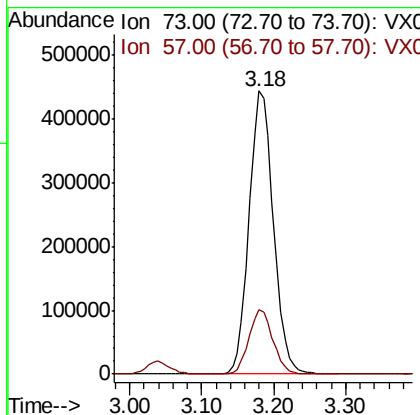
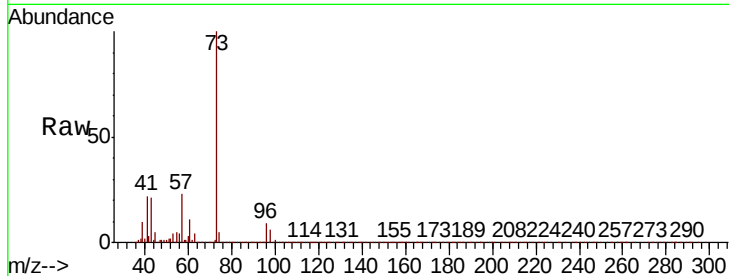
#19
Methvl tert-butvl Ether
Concen: 53.155 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion: 73 Resp: 1042011
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

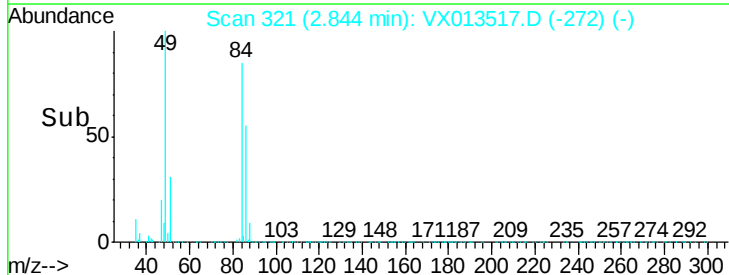
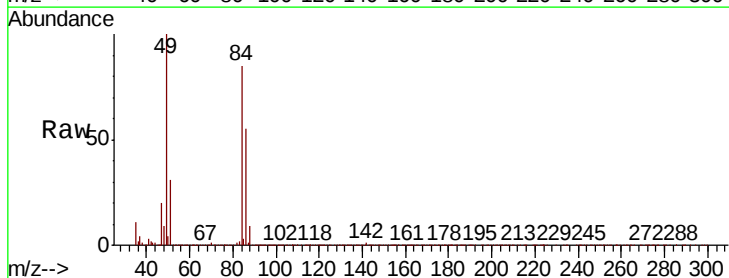
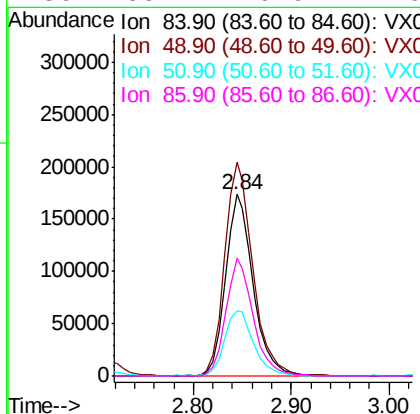
Manual Integrations
APPROVED

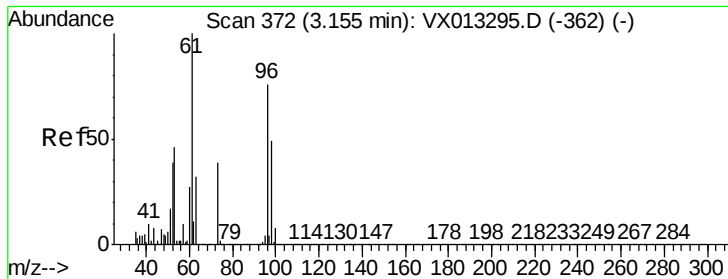
MMDadoda
11/22/2019 8:44:02 AM



#20
Methylene Chloride
Concen: 48.231 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion: 84 Resp: 337406
Ion Ratio Lower Upper
84 100
49 117.7 98.2 147.4
51 36.0 29.9 44.9
86 65.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 74.741 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion: 96 Resp: 478300

Ion Ratio Lower Upper

96 100

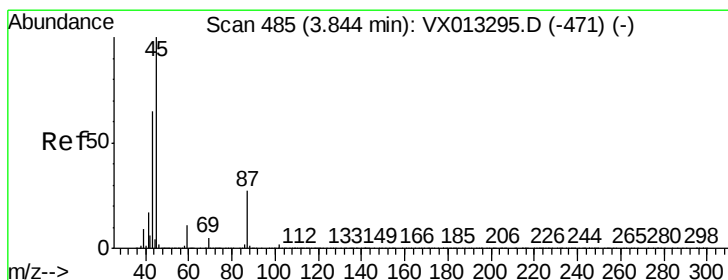
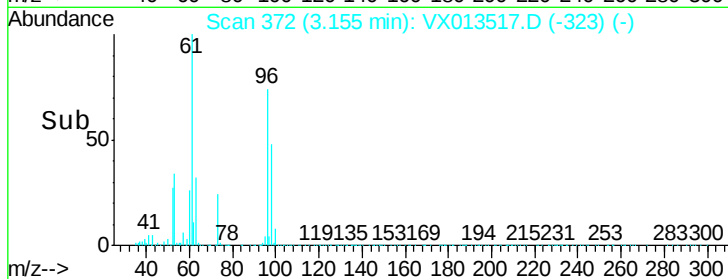
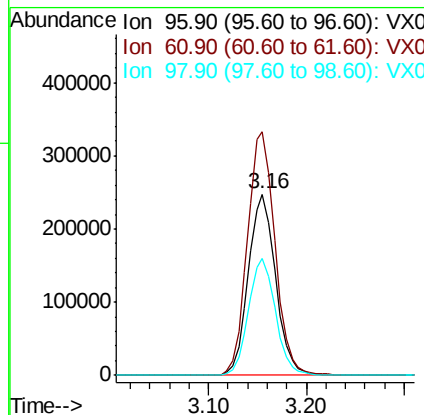
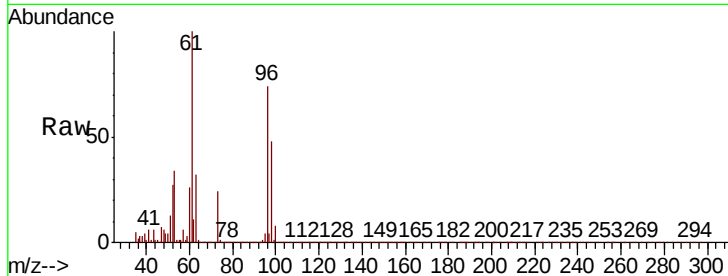
61 134.5 105.8 158.6

98 64.3 51.8 77.6

Manual Integrations
APPROVED

MMDadoda

11/22/2019 8:44:02 AM



#22

Diisopropyl ether

Concen: 52.846 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tgt Ion: 45 Resp: 1089534

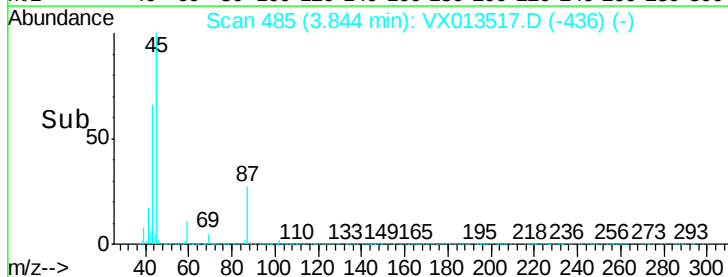
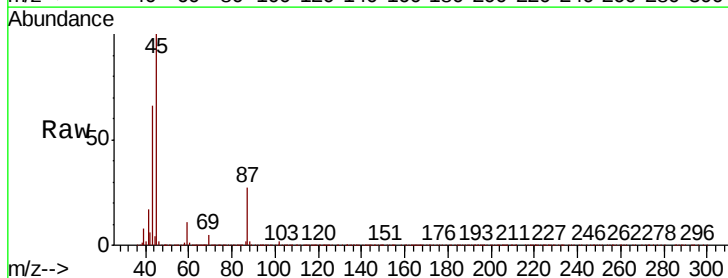
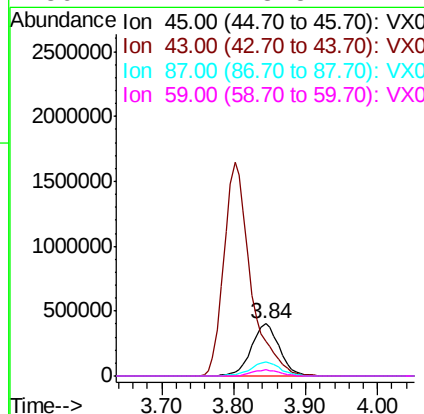
Ion Ratio Lower Upper

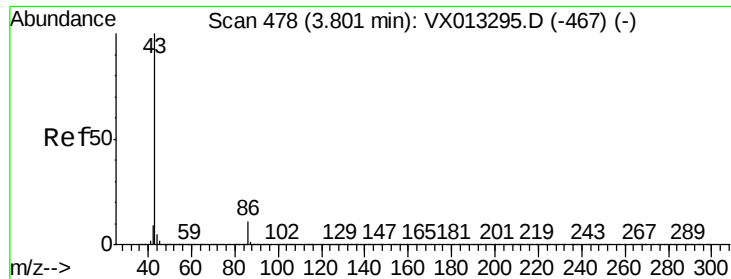
45 100

43 65.5 54.2 81.2

87 26.6 21.8 32.8

59 11.4 8.5 12.7





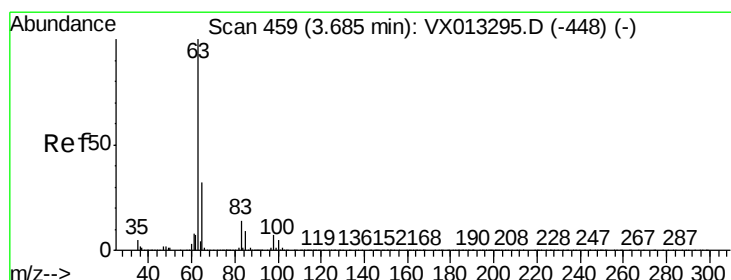
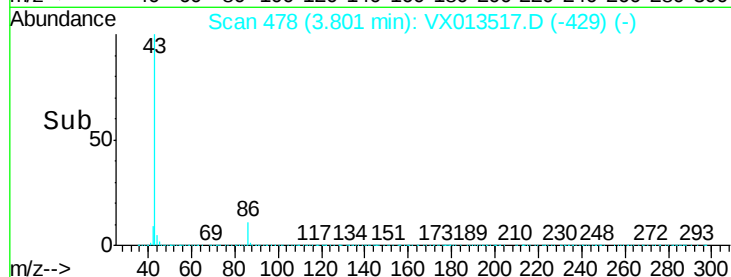
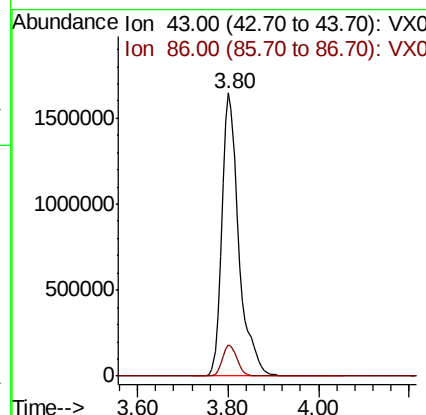
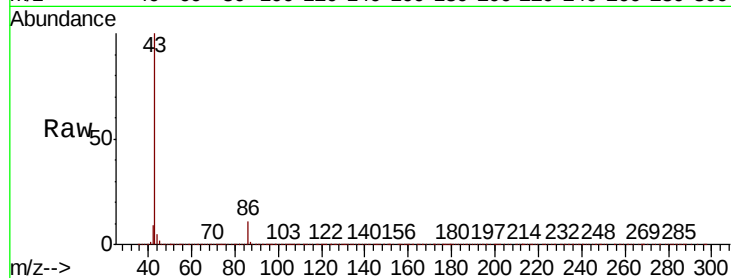
#23
 Vinyl Acetate
 Concen: 241.945 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MSD

Tot Ion: 43 Resp: 4268395
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0

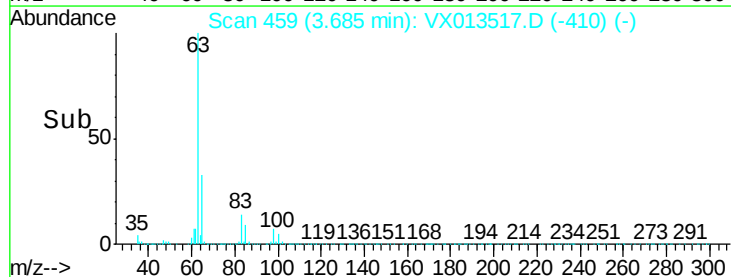
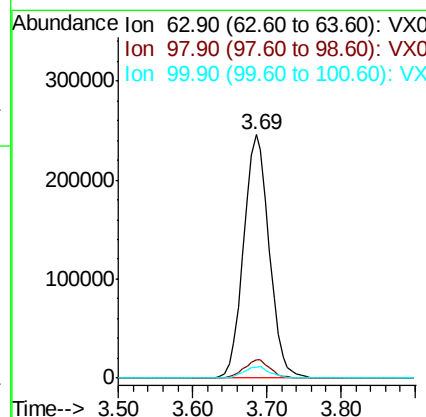
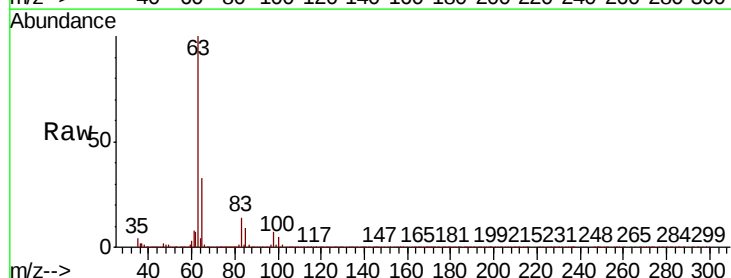
Manual Integrations
 APPROVED

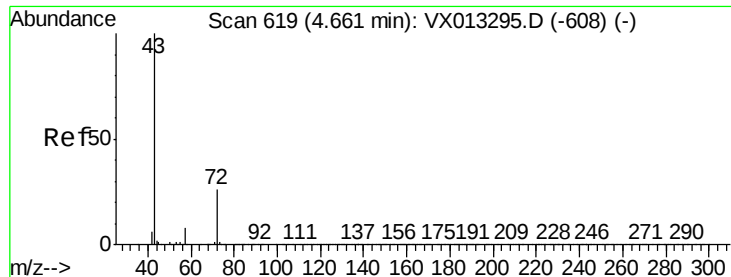
MMDadoda
 11/22/2019 8:44:02 AM



#24
 1,1-Dichloroethane
 Concen: 51.412 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Tgt Ion: 63 Resp: 592955
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.5 10.4
 100 4.6 2.4 7.2





#25

2-Butanone

Concen: 244.912 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tot Ion: 43 Resp: 1360357

Ion Ratio Lower Upper

43 100

72 27.1 21.0 31.6

Instrument :

MSVOA_X

ClientSampleId :

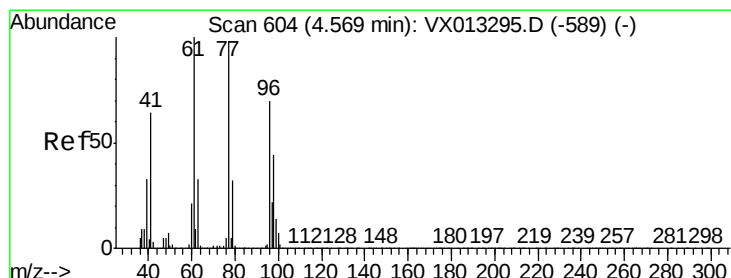
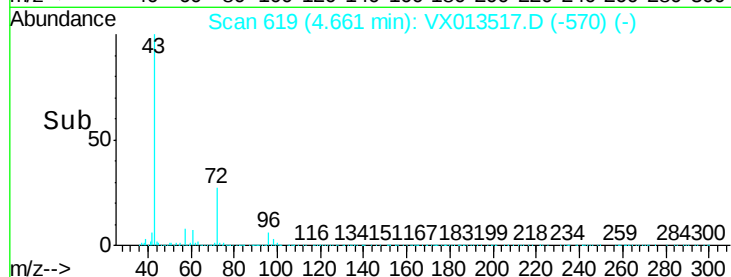
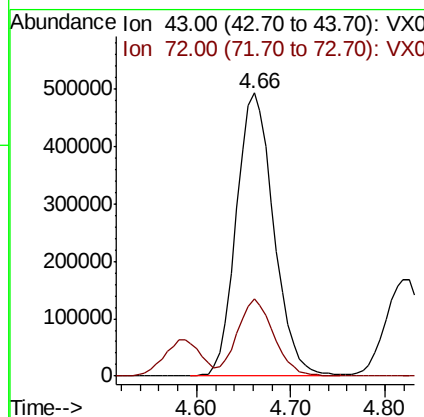
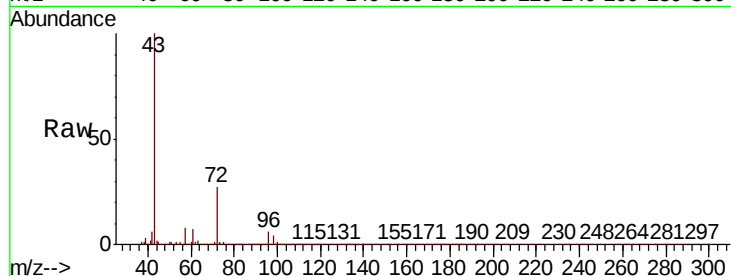
15BR-20191120MSD

Manual Integrations

APPROVED

MMDadoda

11/22/2019 8:44:02 AM



#26

2,2-Dichloropropane

Concen: 44.912 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.01 min

Lab File: VX013517.D

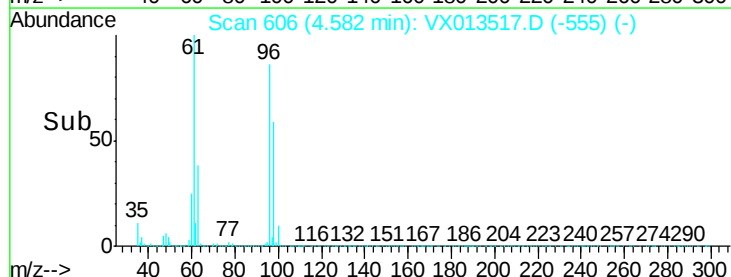
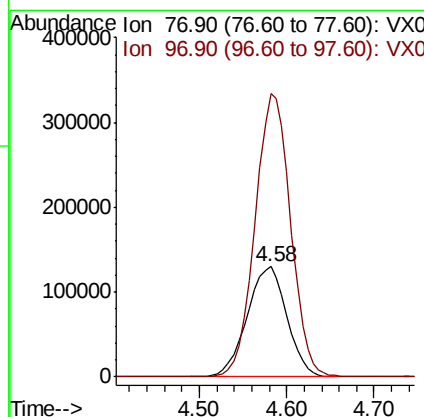
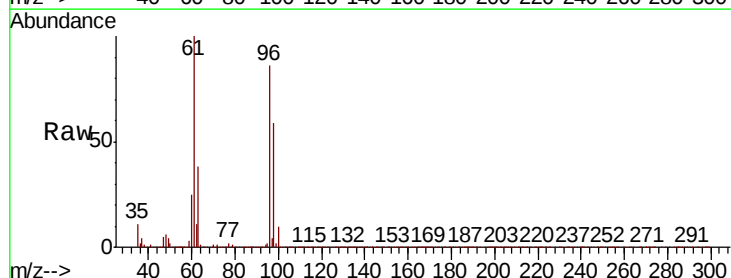
Acq: 21 Nov 2019 20:40

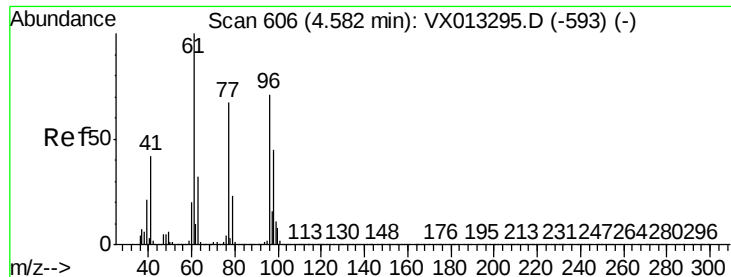
Tgt Ion: 77 Resp: 412073

Ion Ratio Lower Upper

77 100

97 228.5 11.3 33.8#





#27

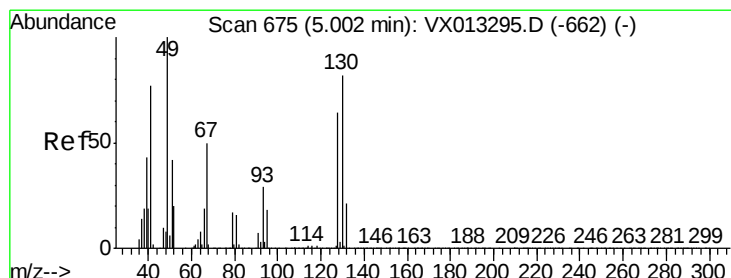
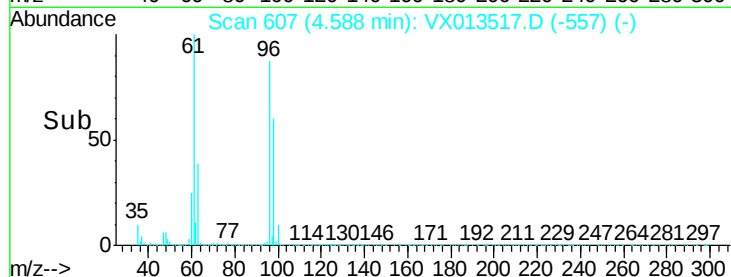
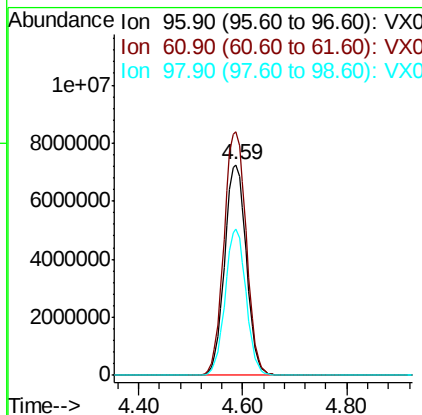
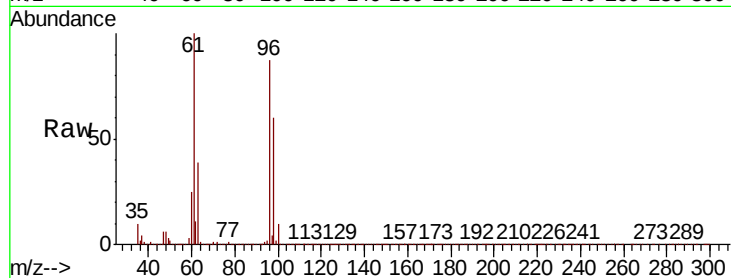
cis-1,2-Dichloroethene
Concen: 2957.593 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.9	0.0	288.0
98	67.0	0.0	129.6

Manual Integrations
APPROVED

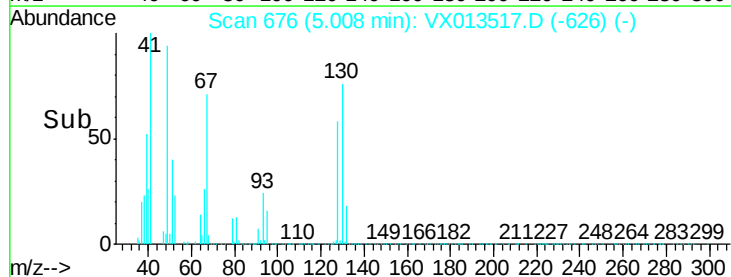
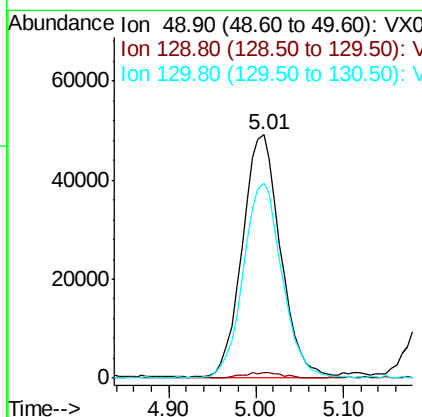
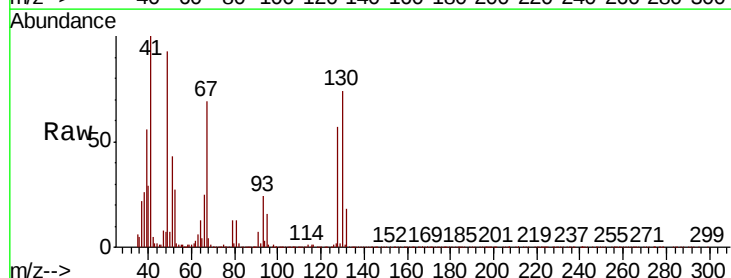
MMDadoda
11/22/2019 8:44:02 AM

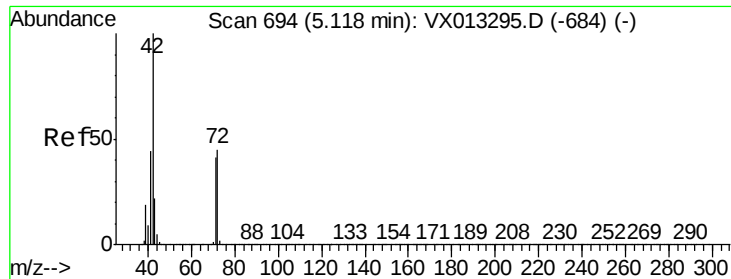


#28

Bromochloromethane
Concen: 45.290 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.2
130	81.7	63.8	95.6





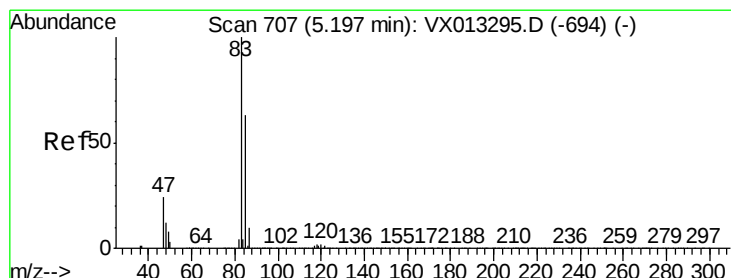
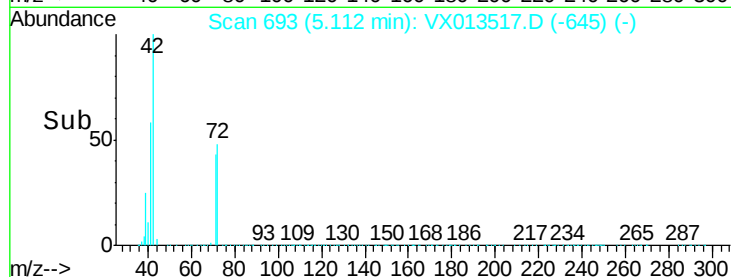
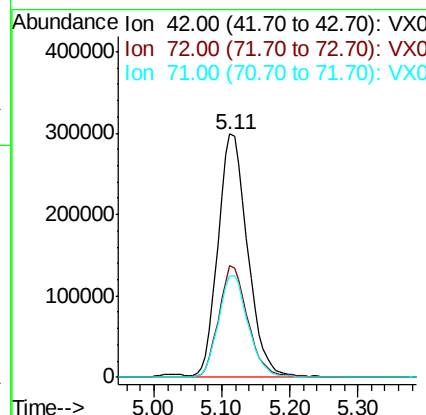
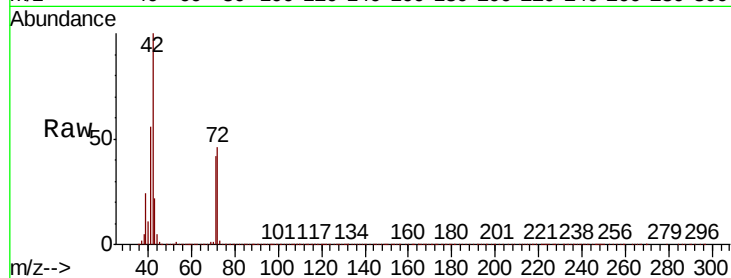
#29
Tetrahydrofuran
Concen: 262.604 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.8	53.8
71	42.0	33.4	50.0

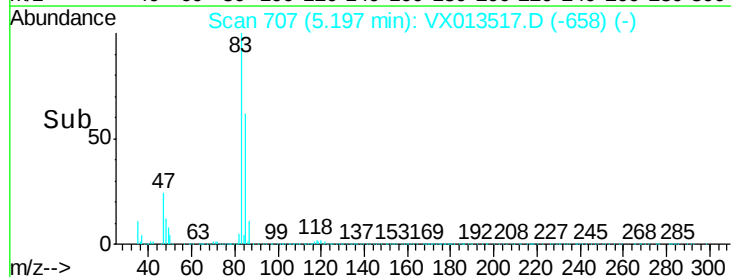
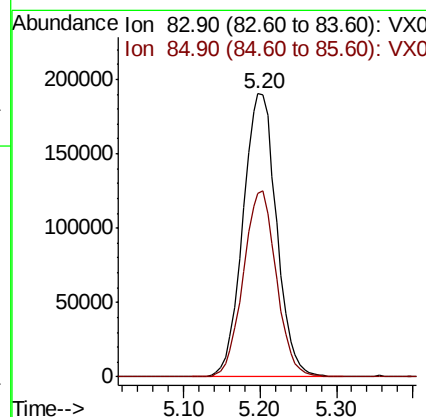
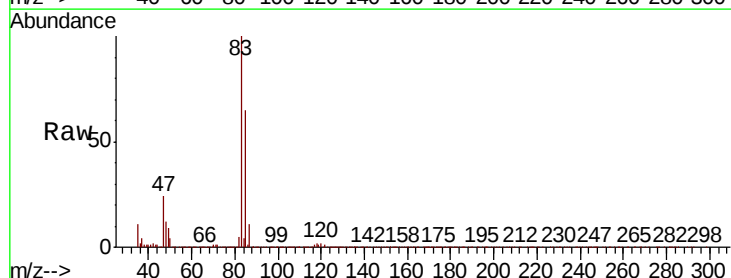
Manual Integrations
APPROVED

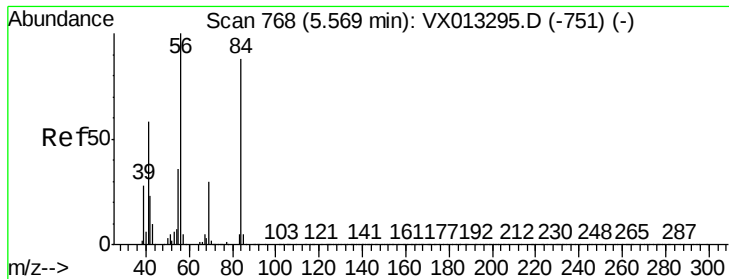
MMDadoda
11/22/2019 8:44:02 AM



#30
Chloroform
Concen: 50.719 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.2	75.4





#31

Cyclohexane

Concen: 46.661 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

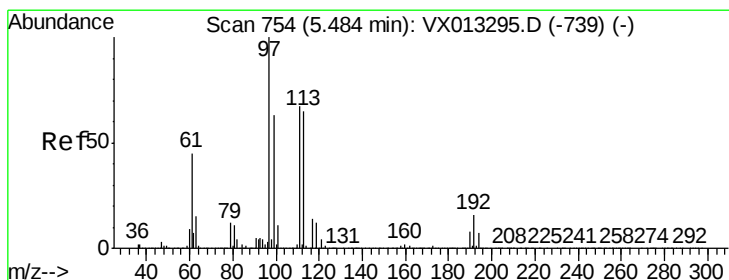
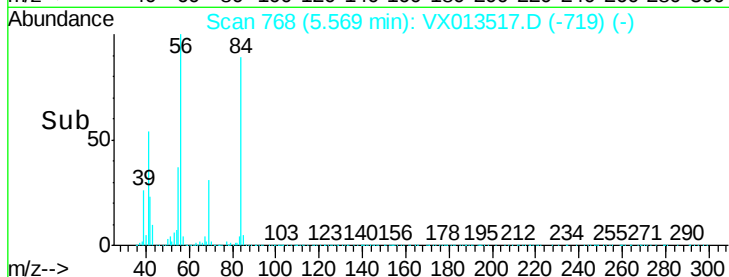
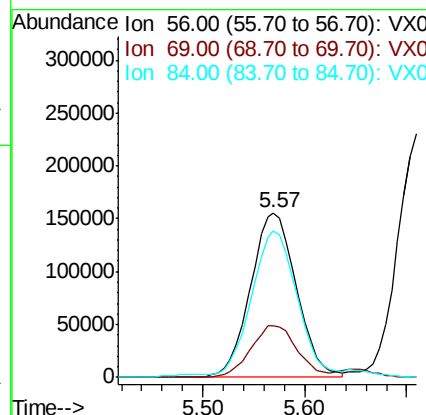
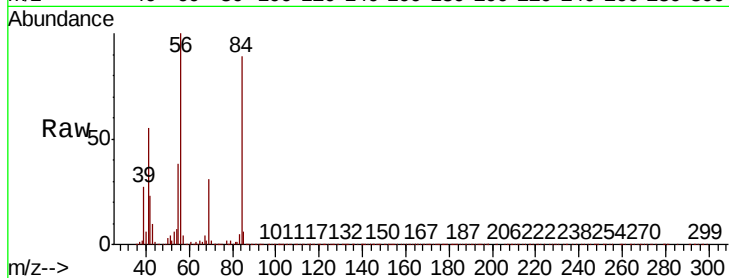
ClientSampleId :

15BR-20191120MSD

Tot Ion:	56	Resp:	484245
Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.7	35.5
84	87.2	70.6	105.8

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#32

1,1,1-Trichloroethane

Concen: 49.991 ug/l

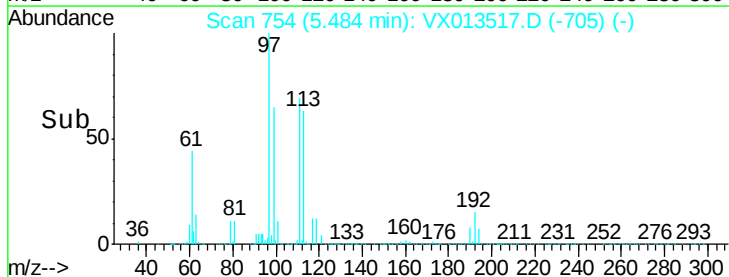
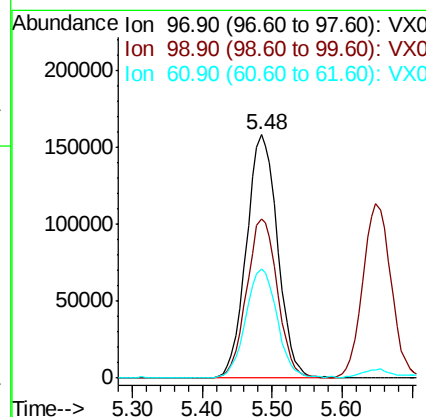
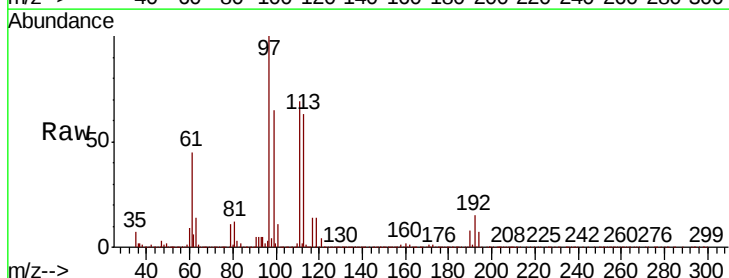
RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tgt Ion:	97	Resp:	489953
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.1	76.7
61	44.7	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 47.827 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion: 65 Resp: 363052

Ion Ratio Lower Upper

65 100

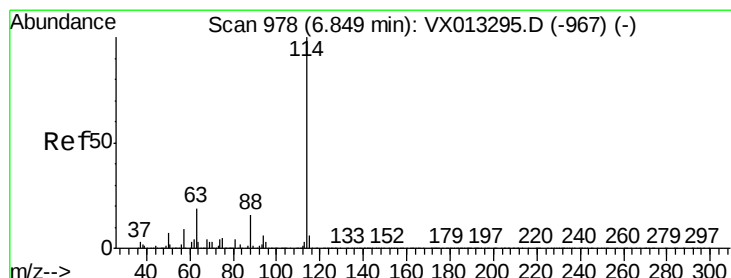
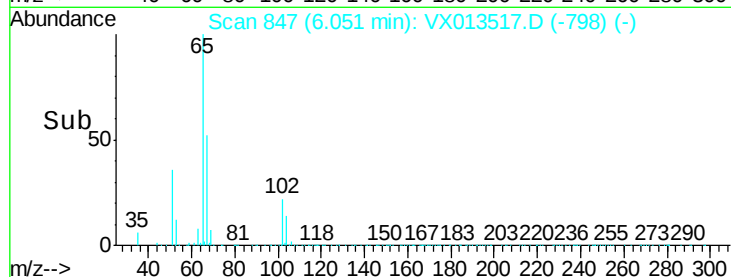
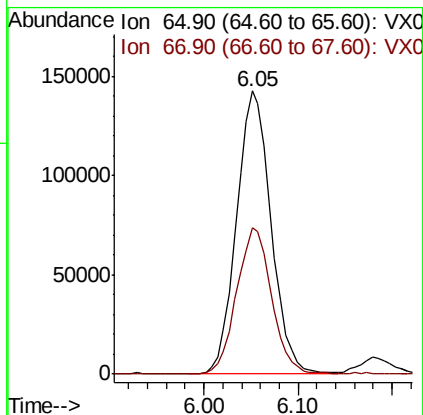
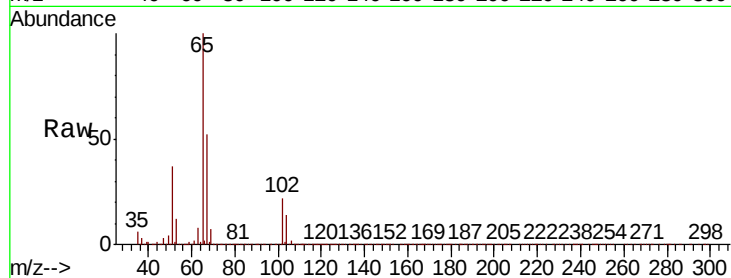
67 52.0 0.0 104.2

Manual Integrations

APPROVED

MMDadoda

11/22/2019 8:44:02 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

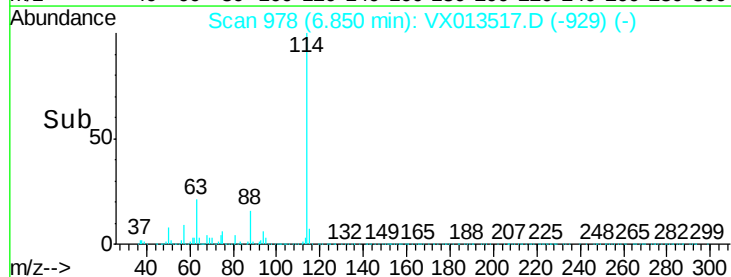
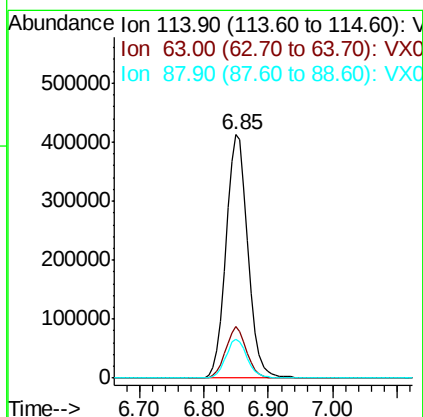
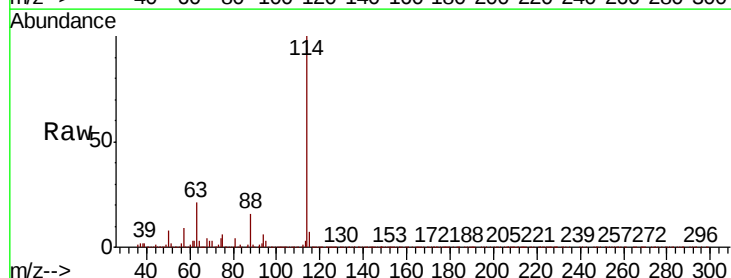
Tgt Ion: 114 Resp: 988241

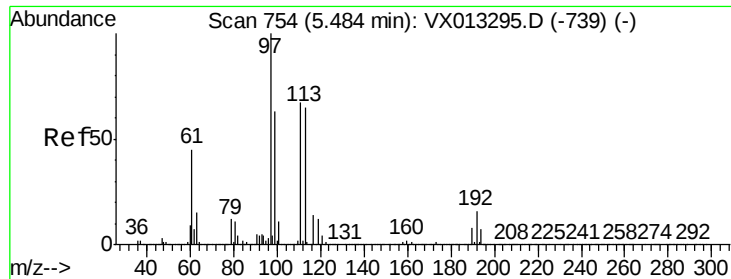
Ion Ratio Lower Upper

114 100

63 21.2 0.0 38.4

88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.987 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

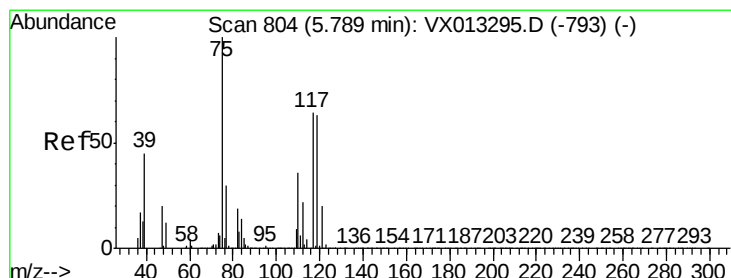
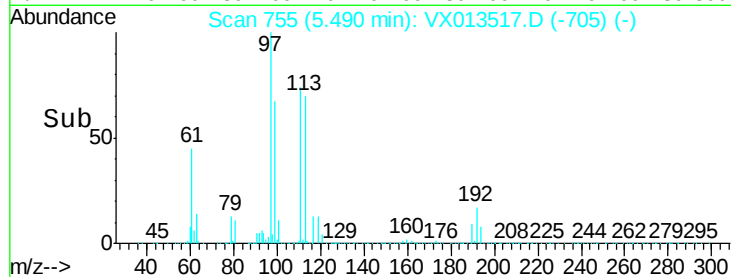
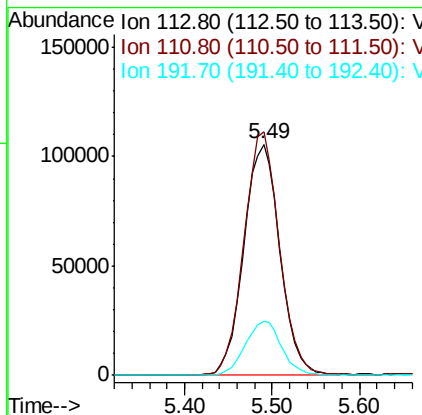
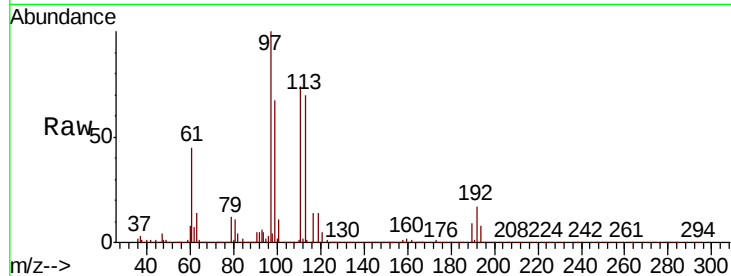
ClientSampleId :

15BR-20191120MSD

Tot Ion:	113	Resp:	303641
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.9	122.9
192	23.7	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#36

1,1-Dichloropropene

Concen: 49.399 ug/l

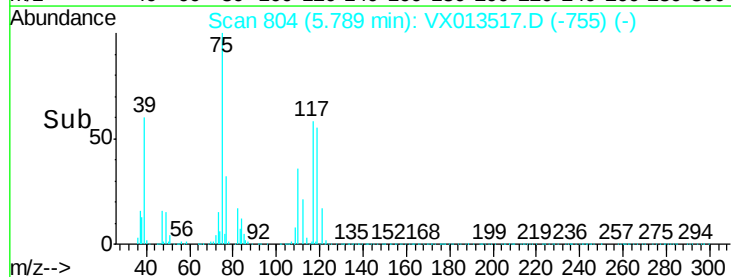
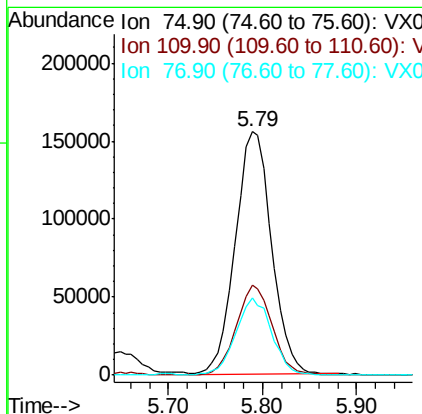
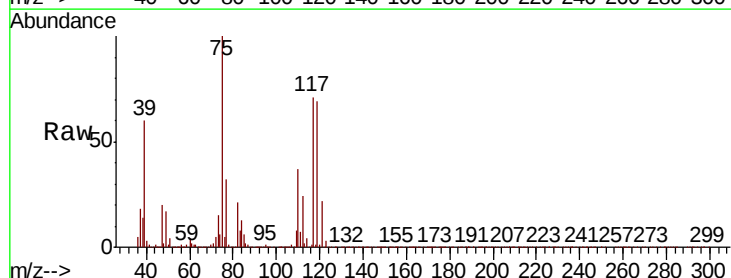
RT: 5.79 min Scan# 804

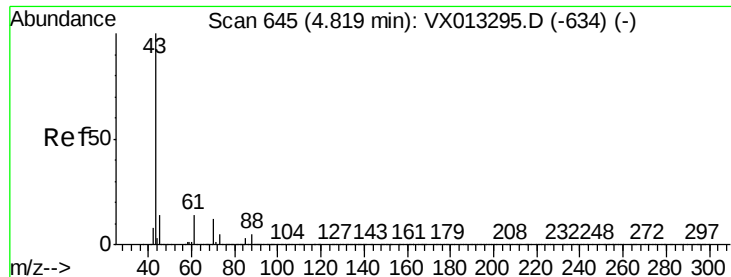
Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tgt Ion:	75	Resp:	418800
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.1	54.1
77	31.3	25.0	37.4





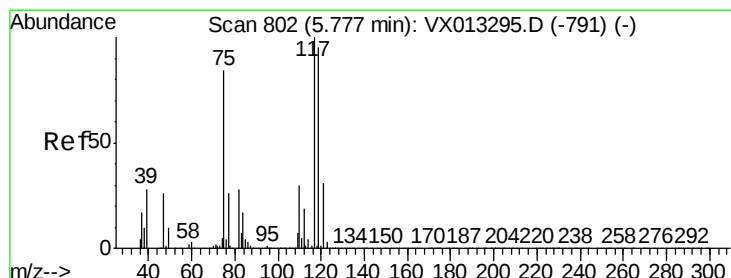
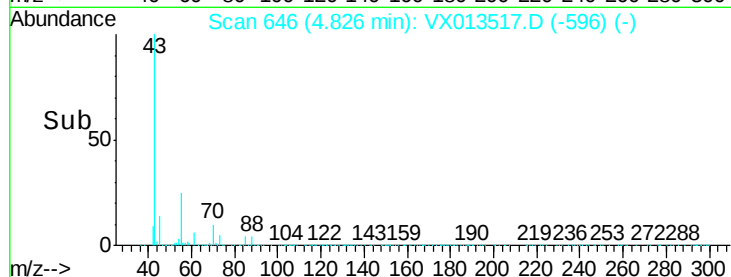
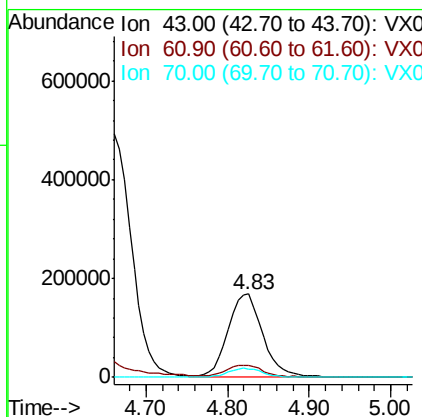
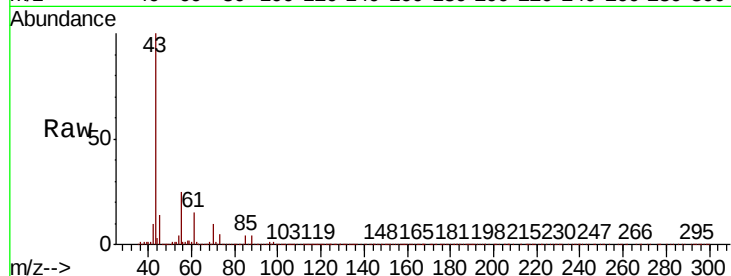
#37
Ethyl Acetate
Concen: 46.895 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	11.1	8.7	13.1

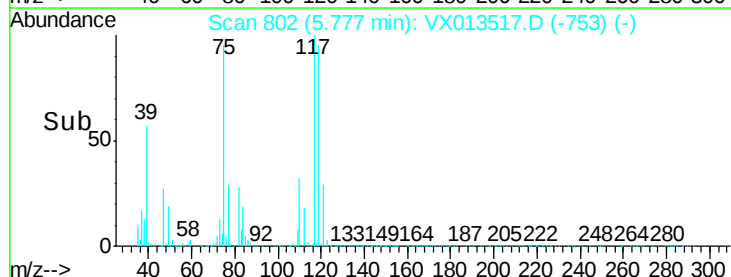
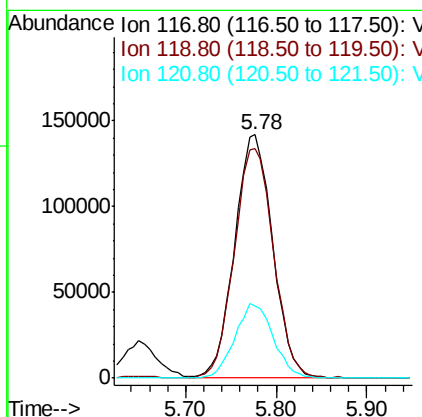
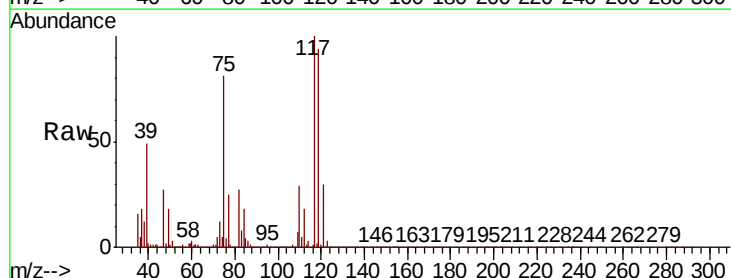
Manual Integrations
APPROVED

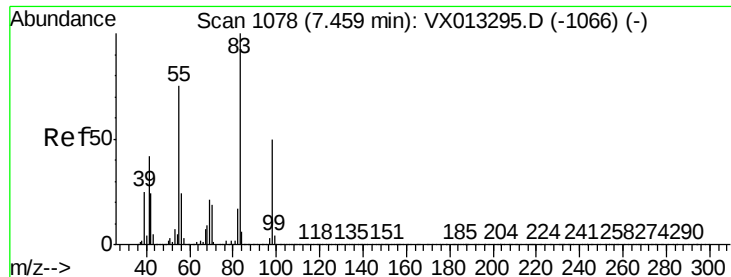
MMDadoda
11/22/2019 8:44:02 AM



#38
Carbon Tetrachloride
Concen: 49.650 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.1	114.1
121	29.7	24.6	37.0





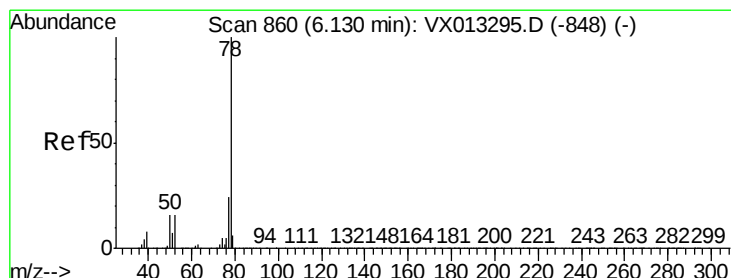
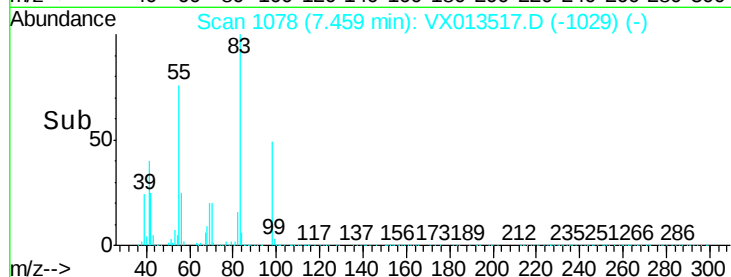
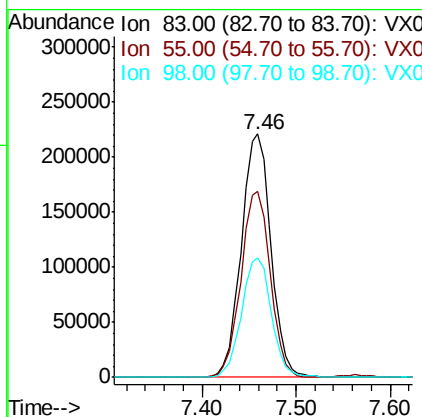
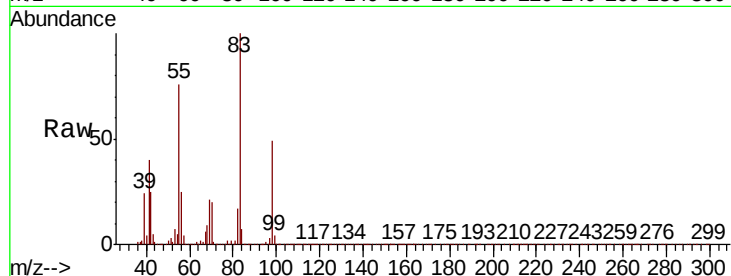
#39
Methvlcvclohexane
Concen: 45.834 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	60.3	90.5
98	49.2	40.3	60.5

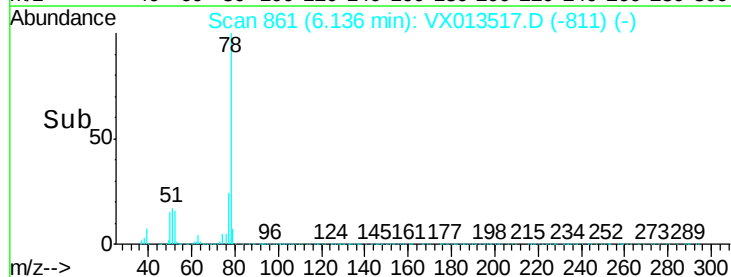
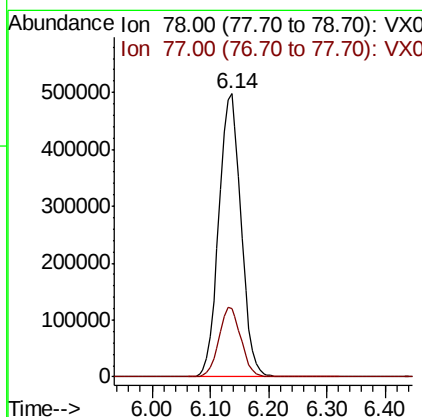
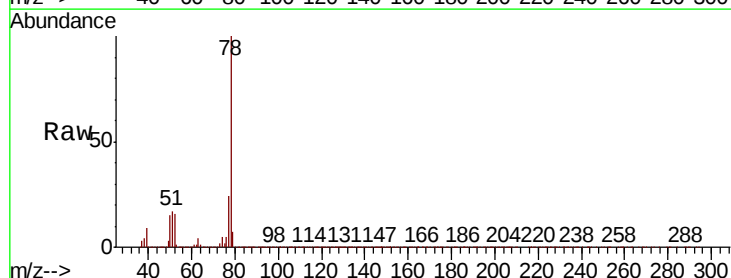
Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#40
Benzene
Concen: 49.991 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3





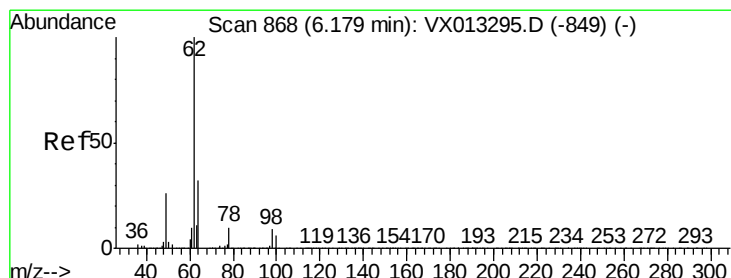
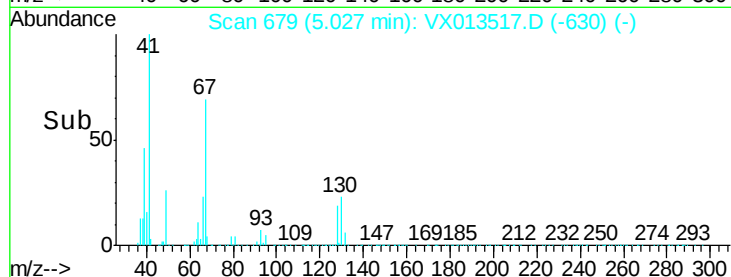
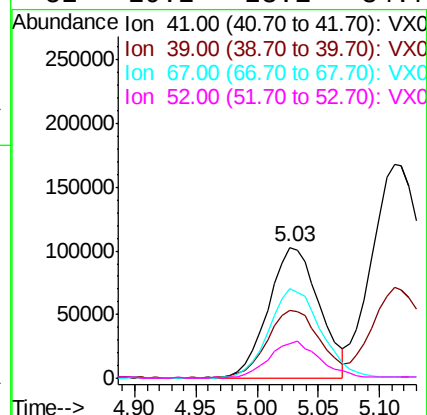
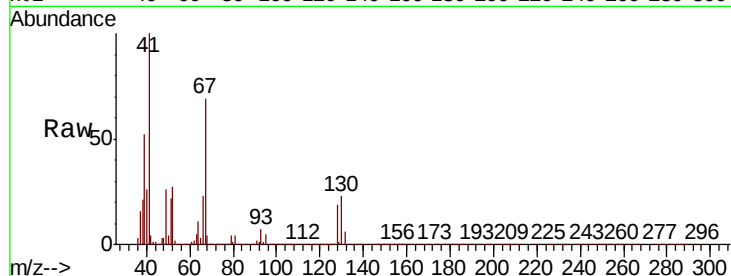
#41
Methacrylonitrile
Concen: 50.581 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		296994		
39	53.7	45.0	67.6		
67	71.1	55.4	83.2		
52	29.2	23.1	34.7		

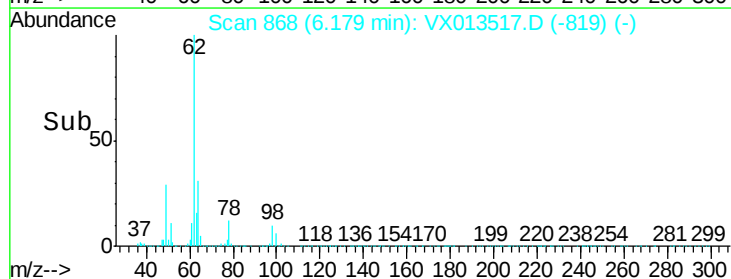
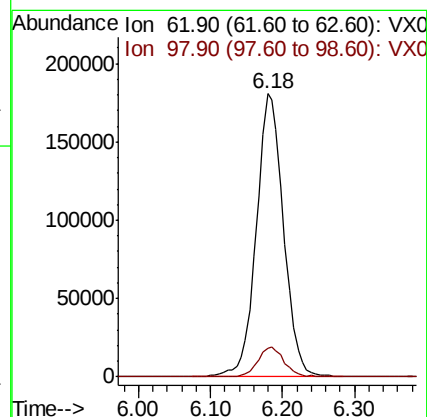
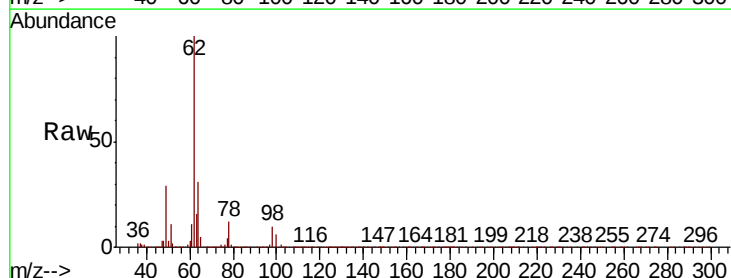
Manual Integrations
APPROVED

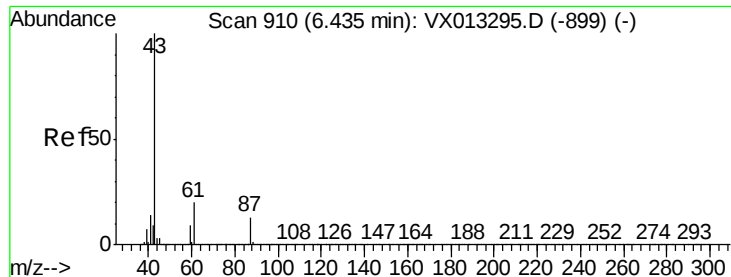
MMDadoda
11/22/2019 8:44:02 AM



#42
1,2-Dichloroethane
Concen: 49.819 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		474563		
98	10.0	0.0	19.4		





#43

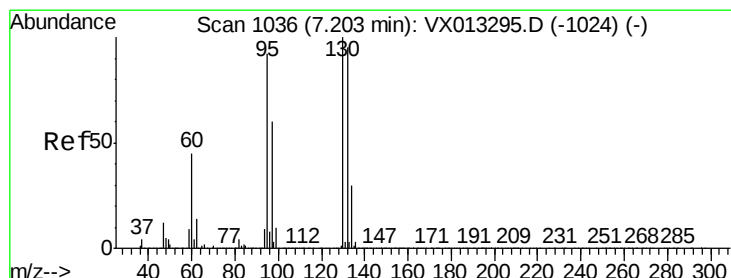
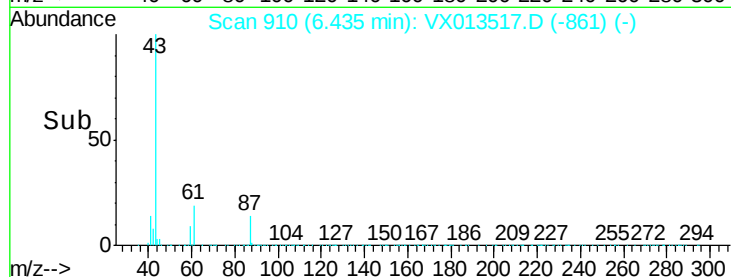
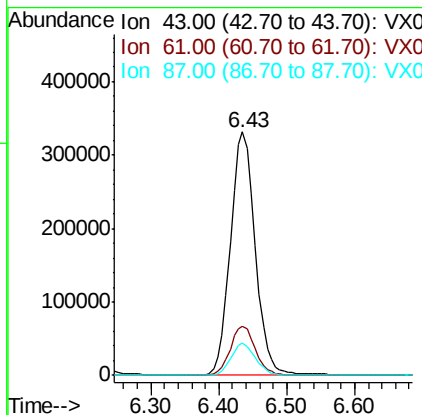
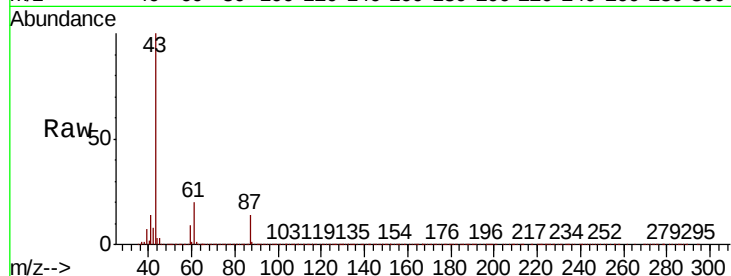
Isopropyl Acetate
 Concen: 51.209 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MSD

Tot Ion	43	Resp	835356
Ion Ratio	100	Lower	Upper
43	100		
61	20.1	15.8	23.8
87	13.1	10.4	15.6

Manual Integrations
 APPROVED

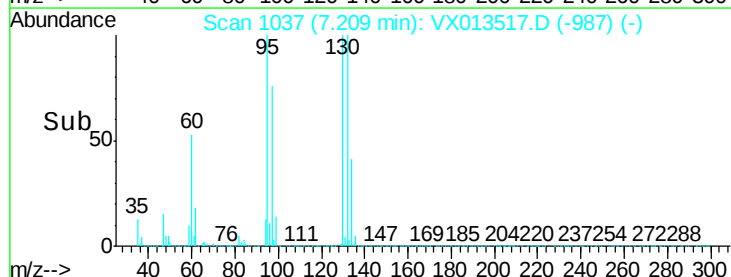
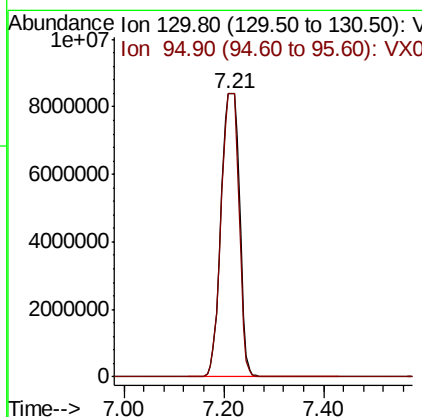
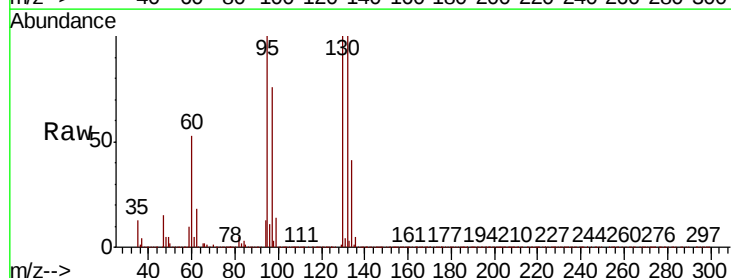
MMDadoda
 11/22/2019 8:44:02 AM

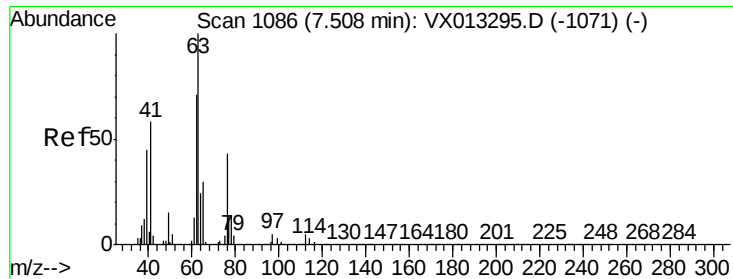


#44

Trichloroethene
 Concen: 2983.898 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Tgt Ion	130	Resp	21690846
Ion Ratio	100	Lower	Upper
130	100		
95	100.0	0.0	184.8





#45

1,2-Dichloropropane

Concen: 50.914 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion: 63 Resp: 342587

Ion Ratio Lower Upper

63 100

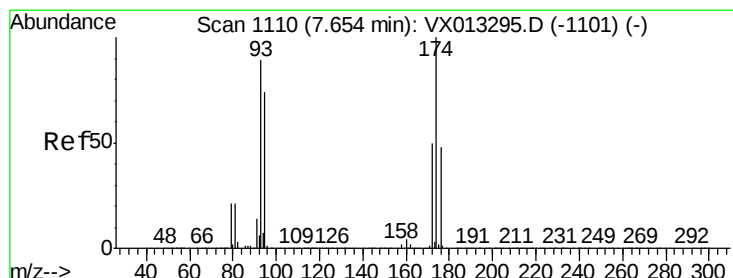
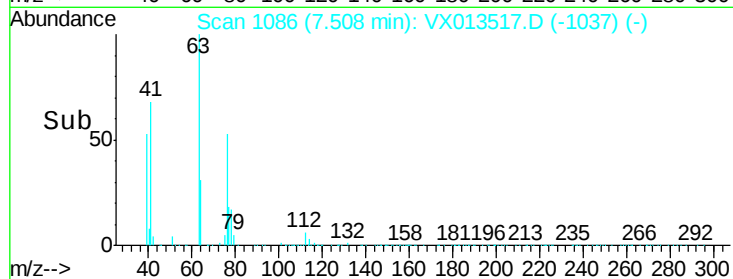
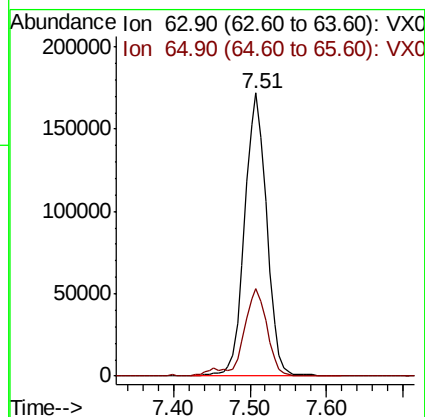
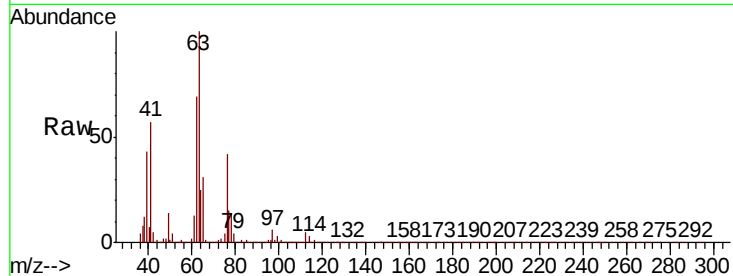
65 30.7 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

11/22/2019 8:44:02 AM



#46

Dibromomethane

Concen: 49.432 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

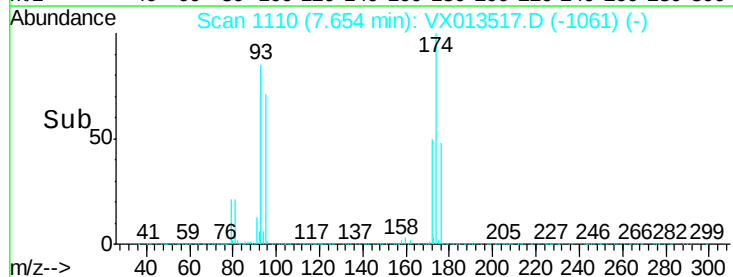
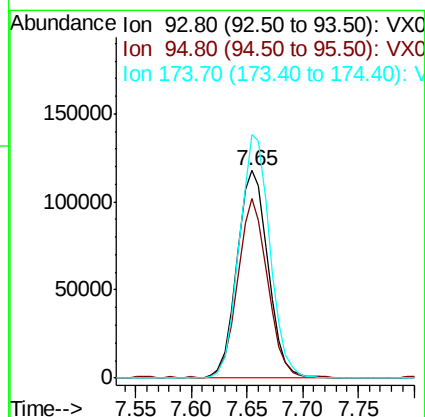
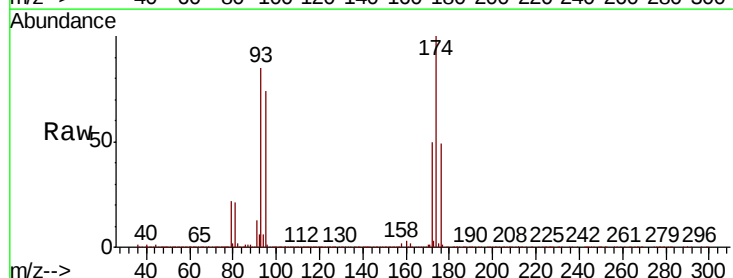
Tgt Ion: 93 Resp: 227100

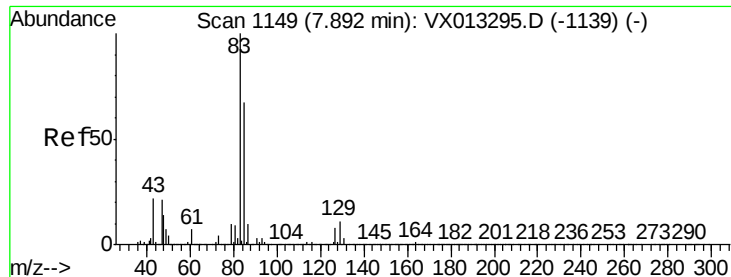
Ion Ratio Lower Upper

93 100

95 82.7 65.8 98.6

174 115.6 90.4 135.6





#47

Bromodichloromethane

Concen: 52.949 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

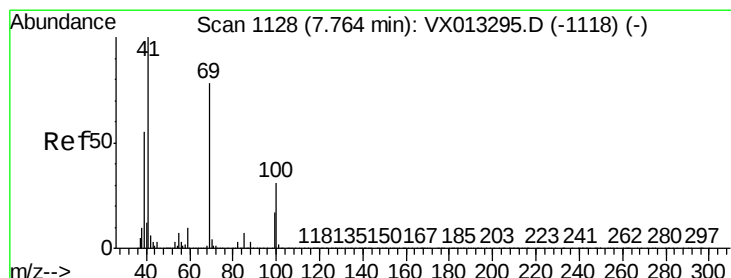
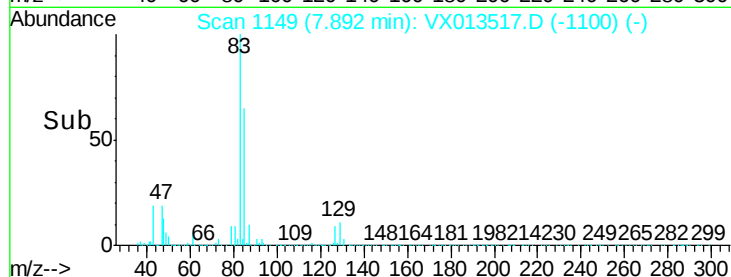
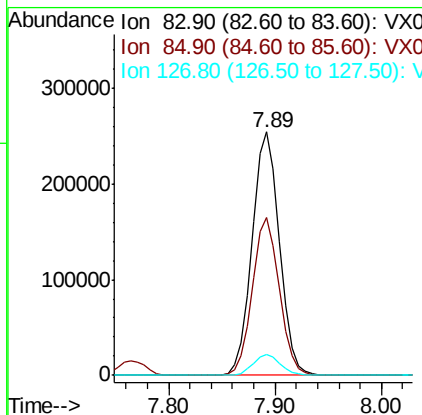
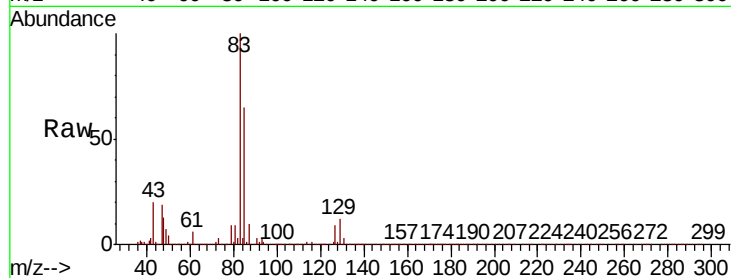
ClientSampleId :

15BR-20191120MSD

Tot Ion:	83	Resp:	458712
Ion Ratio	Lower	Upper	
83	100		
85	64.5	53.7	80.5
127	8.8	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#48

Methyl methacrylate

Concen: 52.225 ug/l

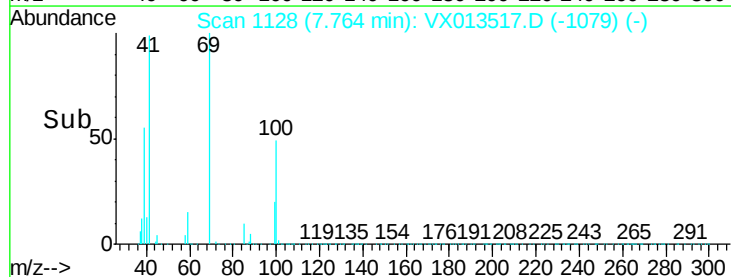
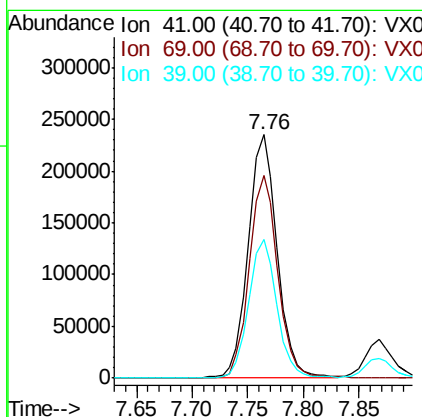
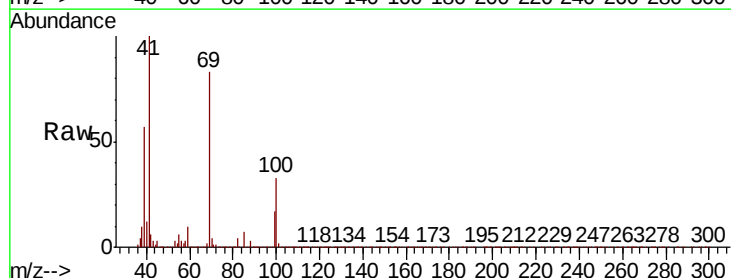
RT: 7.76 min Scan# 1128

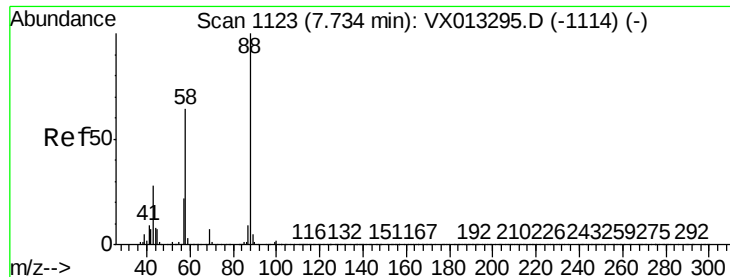
Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tgt Ion:	41	Resp:	425263
Ion Ratio	Lower	Upper	
41	100		
69	82.3	63.0	94.6
39	55.5	45.9	68.9





#49

1,4-Dioxane

Concen: 912.344 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

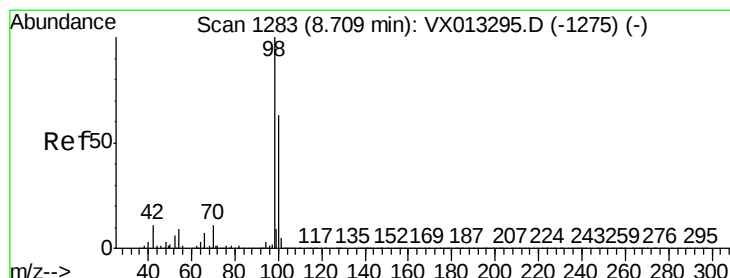
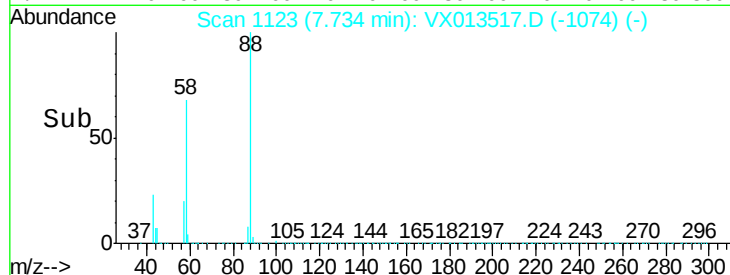
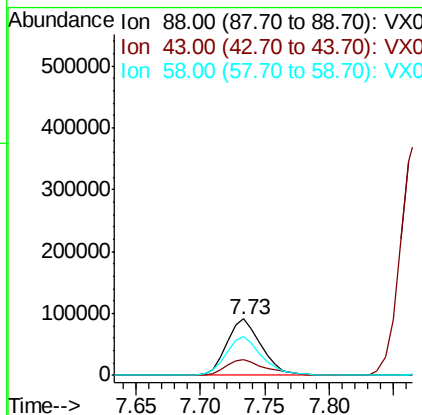
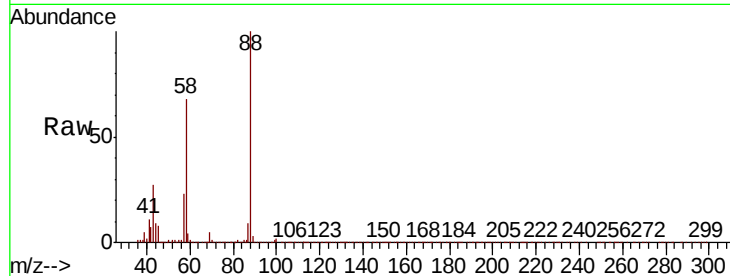
ClientSampleId :

15BR-20191120MSD

Tot Ion:	88	Resp:	170136
Ion	Ratio	Lower	Upper
88	100		
43	34.2	26.6	39.8
58	70.7	55.0	82.6

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#50

Toluene-d8

Concen: 48.228 ug/l

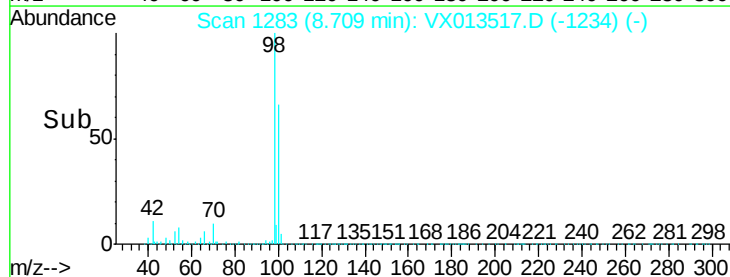
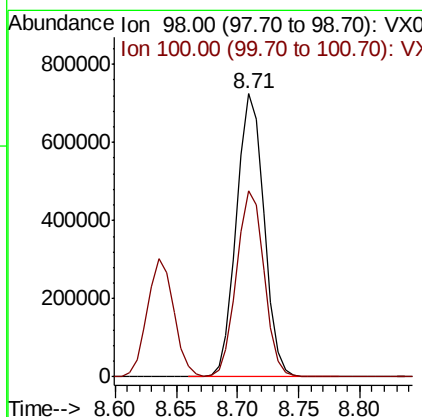
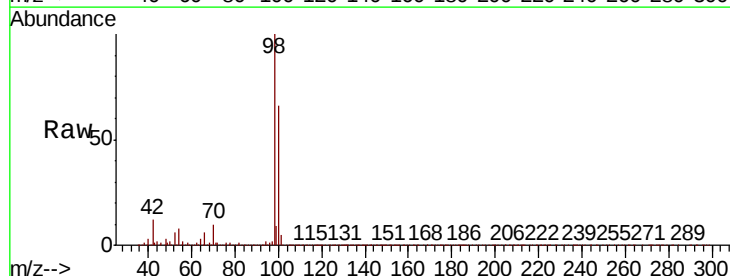
RT: 8.71 min Scan# 1283

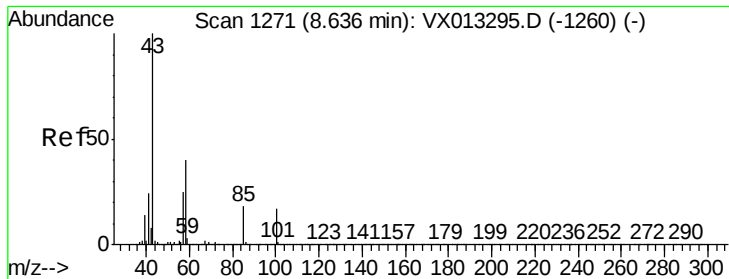
Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tgt Ion:	98	Resp:	1126961
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.2	78.2





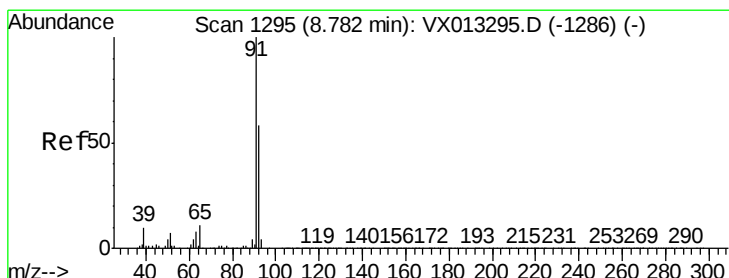
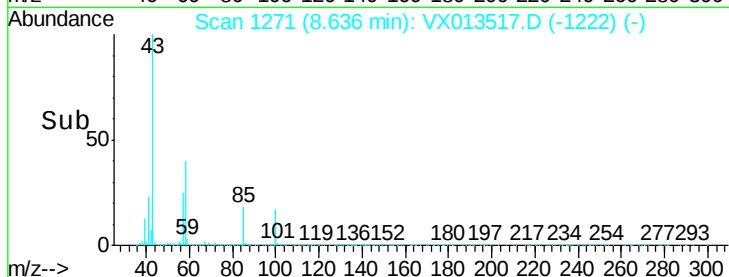
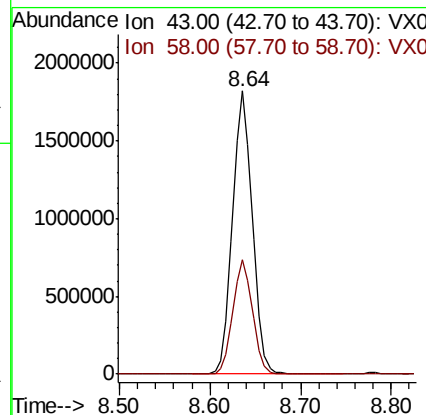
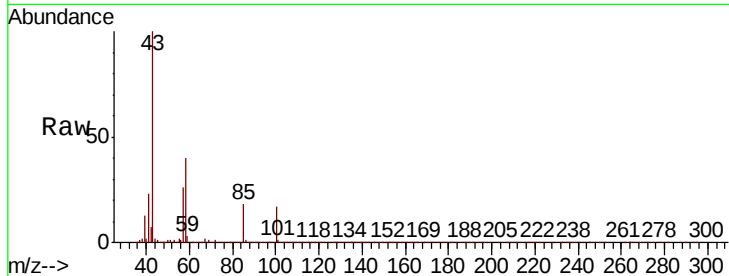
#51
4-Methyl-2-Pentanone
Concen: 258.240 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion: 43 Resp: 2763827
Ion Ratio Lower Upper
43 100
58 39.9 31.4 47.0

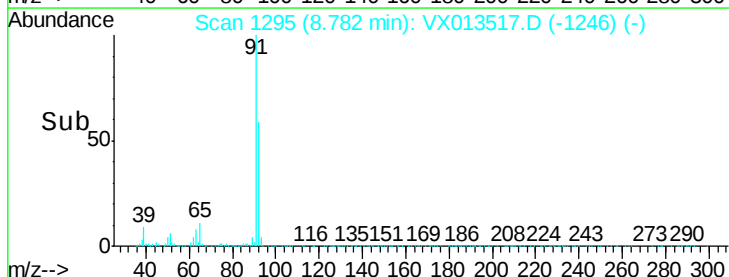
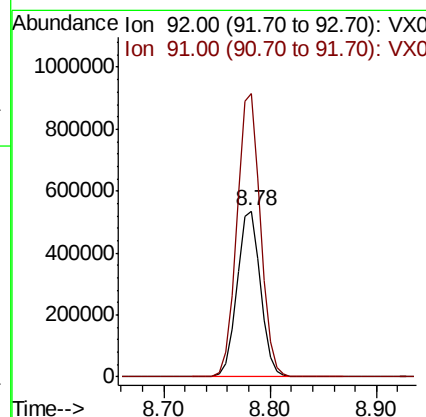
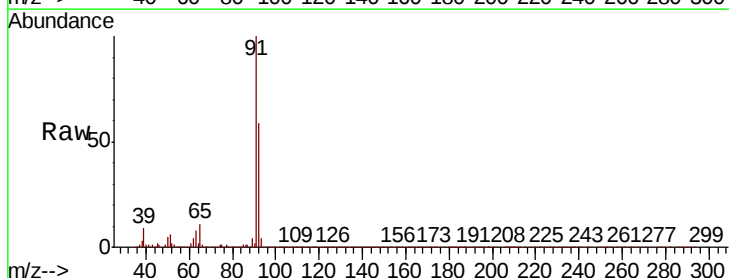
Manual Integrations
APPROVED

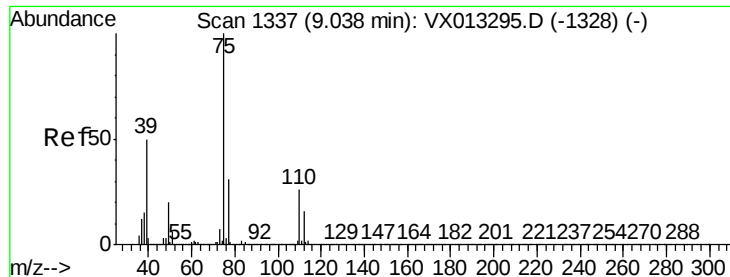
MMDadoda
11/22/2019 8:44:02 AM



#52
Toluene
Concen: 50.474 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion: 92 Resp: 826152
Ion Ratio Lower Upper
92 100
91 171.3 138.0 207.0





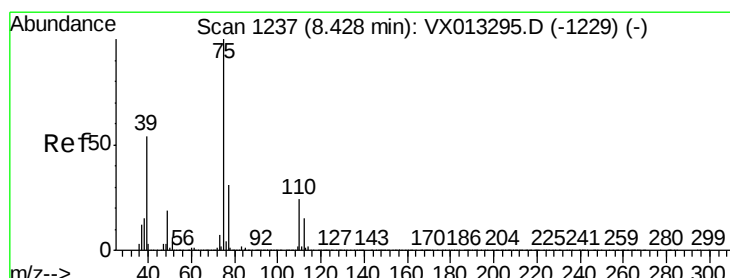
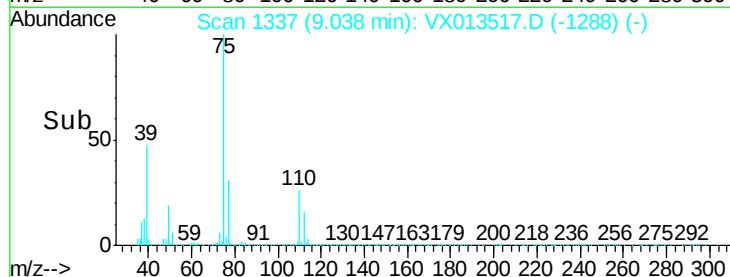
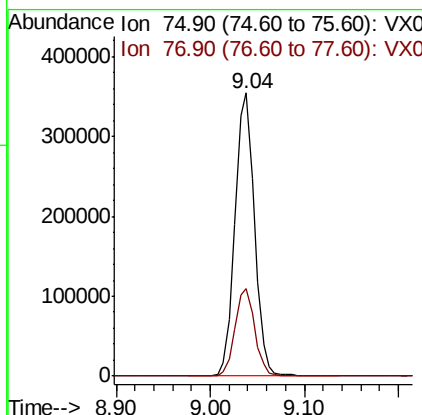
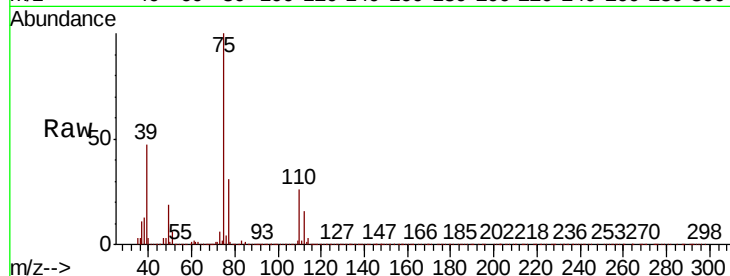
#53
t-1,3-Dichloropropene
Concen: 53.703 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4

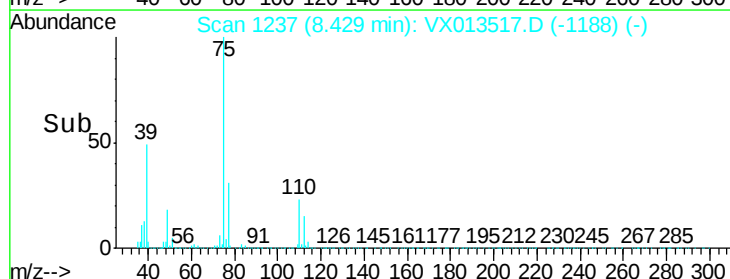
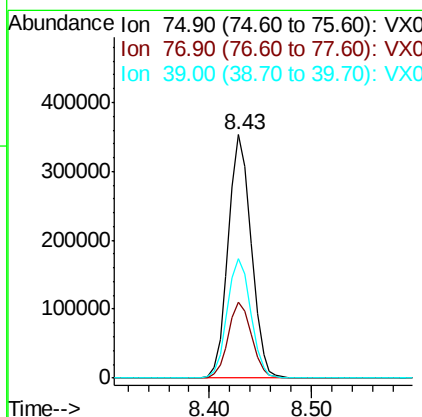
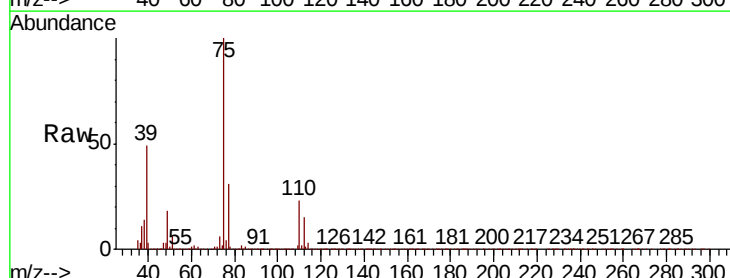
Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#54
cis-1,3-Dichloropropene
Concen: 51.848 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.7	37.1
39	49.1	43.0	64.6





#55

1,1,2-Trichloroethane

Concen: 52.380 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

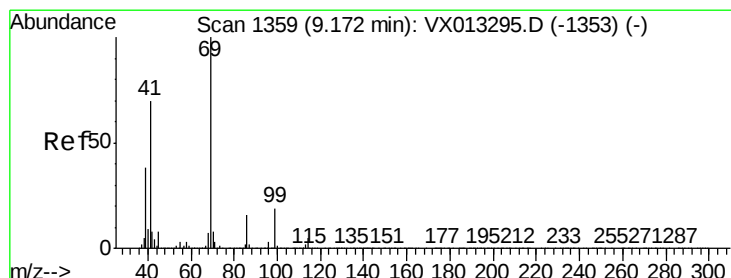
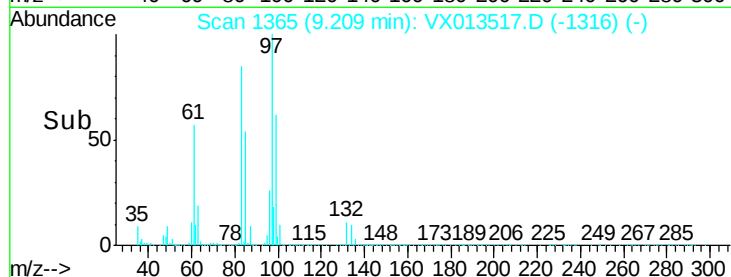
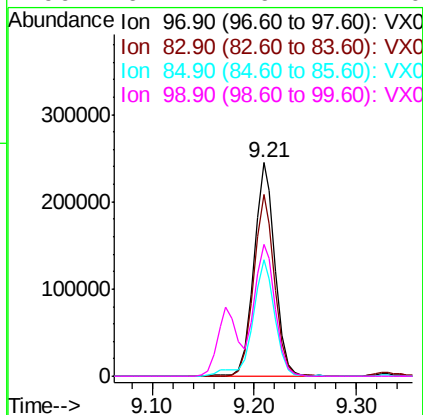
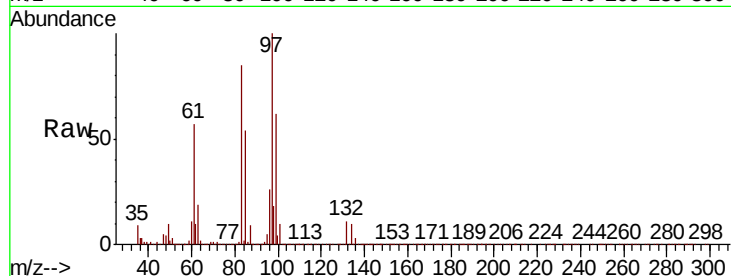
ClientSampleId :

15BR-20191120MSD

Tot Ion:	97	Resp:	355360
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.6	103.0
85	54.2	43.1	64.7
99	61.4	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#56

Ethyl methacrylate

Concen: 49.669 ug/l

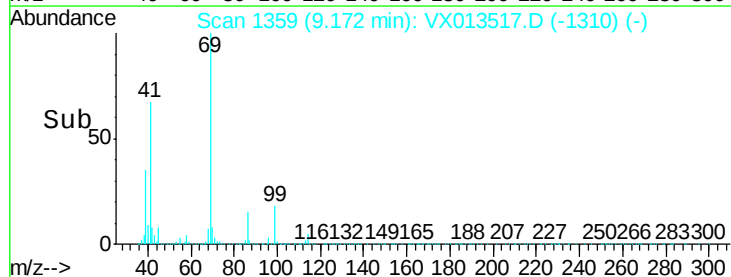
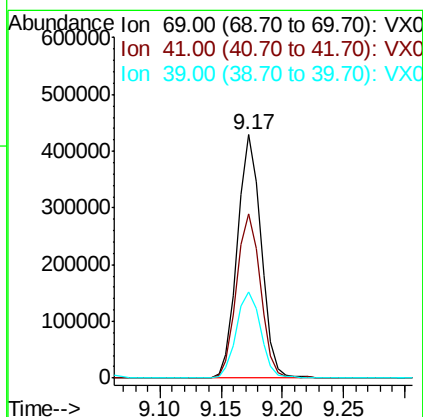
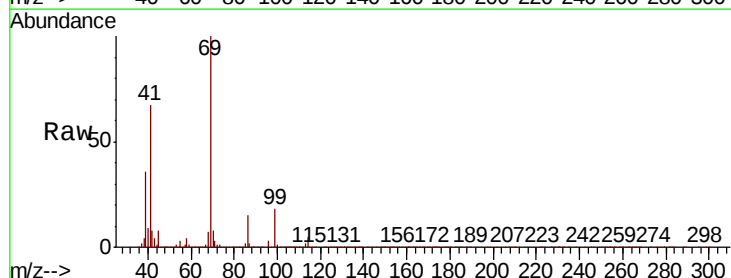
RT: 9.17 min Scan# 1359

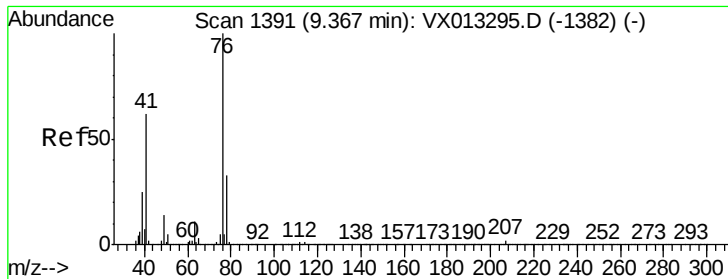
Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tgt Ion:	69	Resp:	575148
Ion	Ratio	Lower	Upper
69	100		
41	68.3	56.2	84.2
39	36.4	31.1	46.7





#57

1,3-Dichloropropane

Concen: 51.903 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion: 76 Resp: 597741

Ion Ratio Lower Upper

76 100

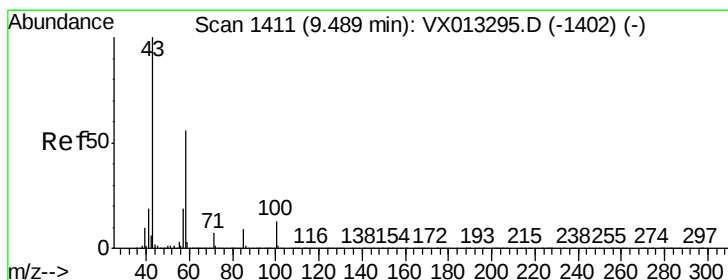
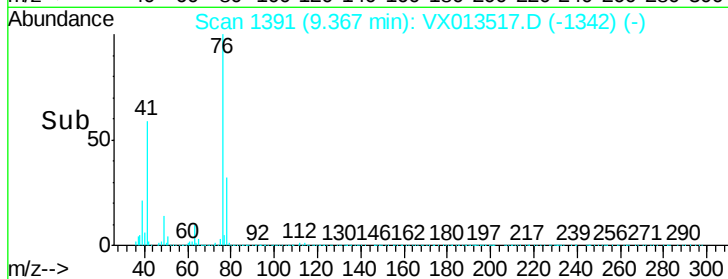
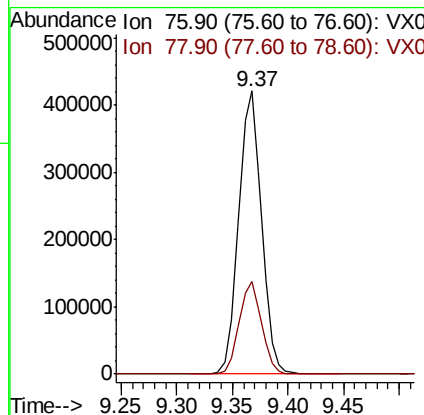
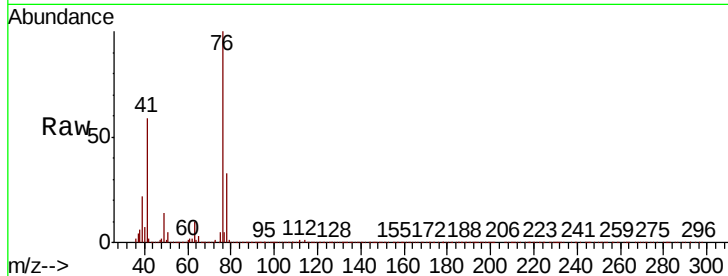
78 32.3 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

11/22/2019 8:44:02 AM



#59

2-Hexanone

Concen: 257.503 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX013517.D

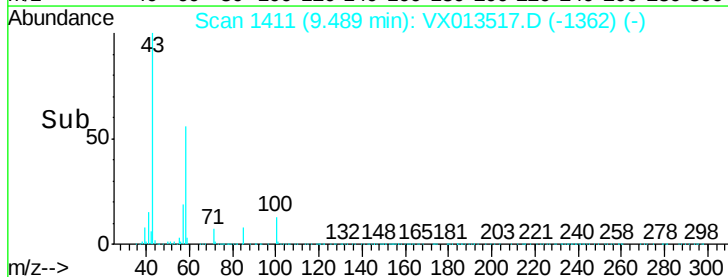
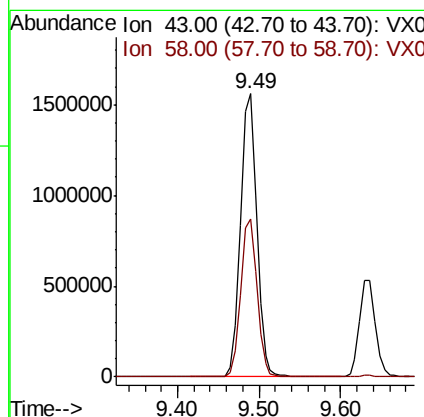
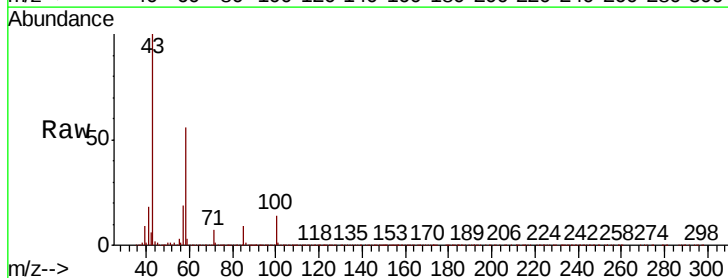
Acq: 21 Nov 2019 20:40

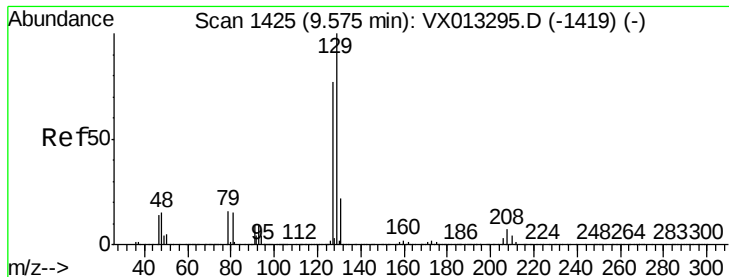
Tgt Ion: 43 Resp: 2129725

Ion Ratio Lower Upper

43 100

58 55.8 27.3 81.8





#60

Dibromochloromethane

Concen: 54.457 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion:129 Resp: 377845

Ion Ratio Lower Upper

129 100

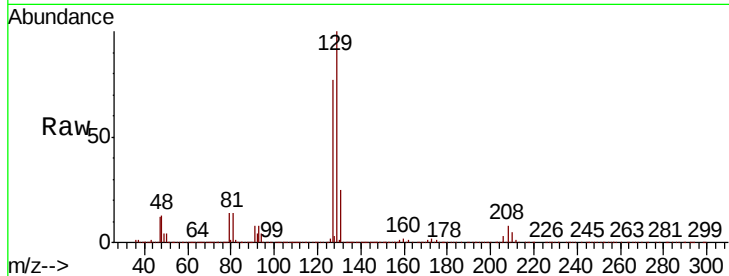
127 75.8 39.1 117.2

Manual Integrations

APPROVED

MMDadoda

11/22/2019 8:44:02 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

250000

200000

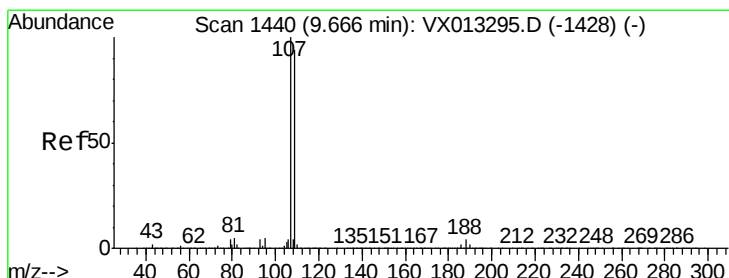
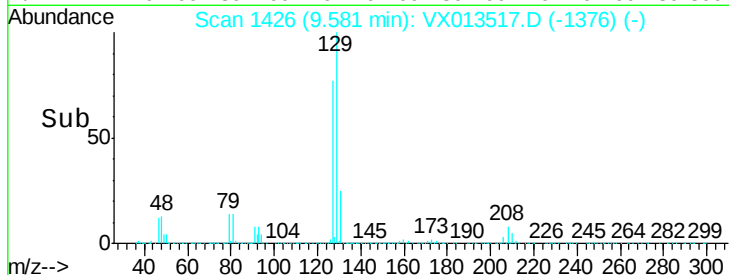
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 50.746 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013517.D

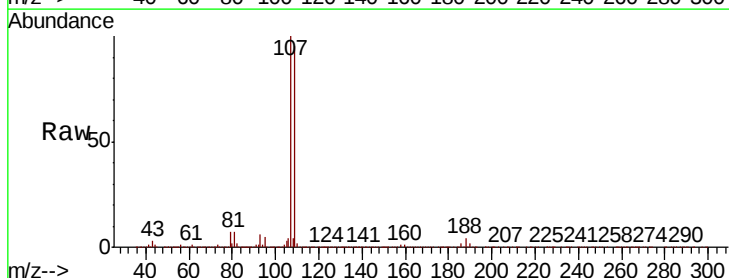
Acq: 21 Nov 2019 20:40

Tgt Ion:107 Resp: 365577

Ion Ratio Lower Upper

107 100

109 95.6 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

300000

250000

200000

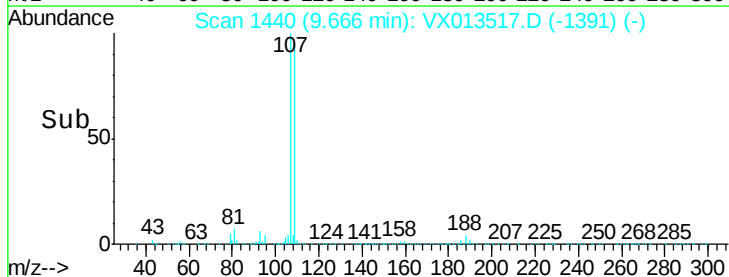
150000

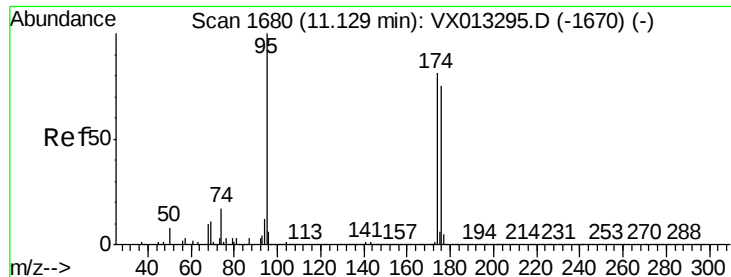
100000

50000

0

Time-->





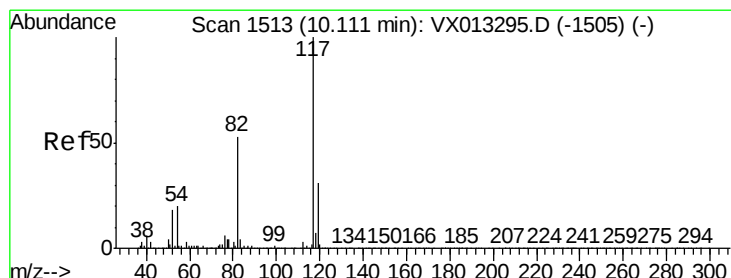
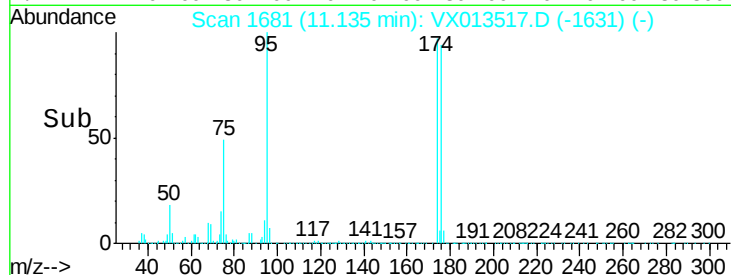
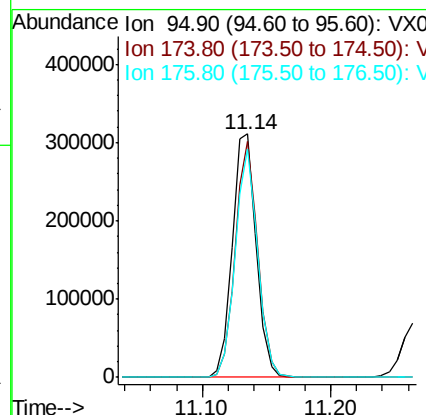
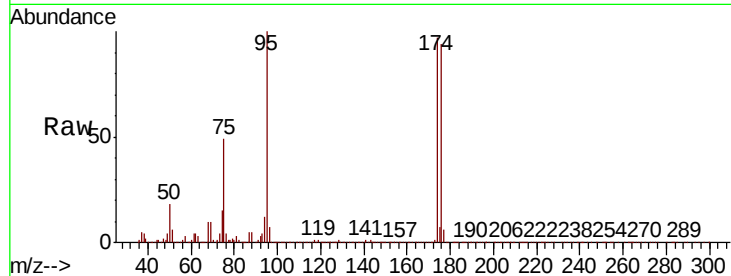
#62
4-Bromofluorobenzene
Concen: 48.068 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	405377		
174	91.1	0.0	179.8	
176	88.1	0.0	173.0	

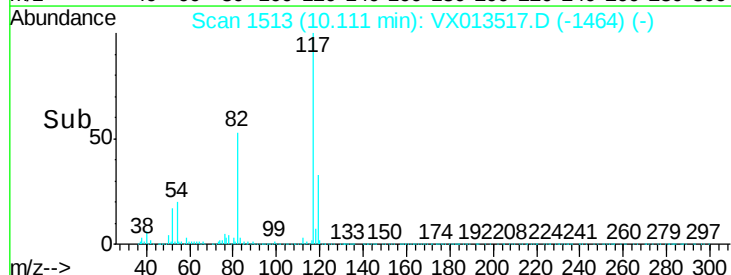
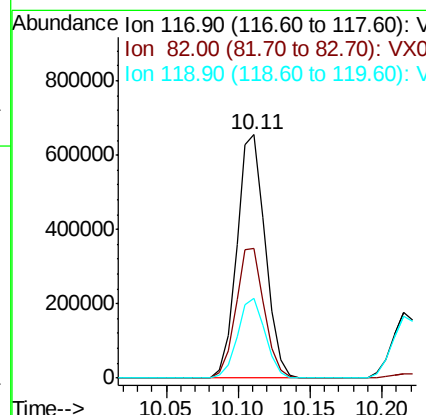
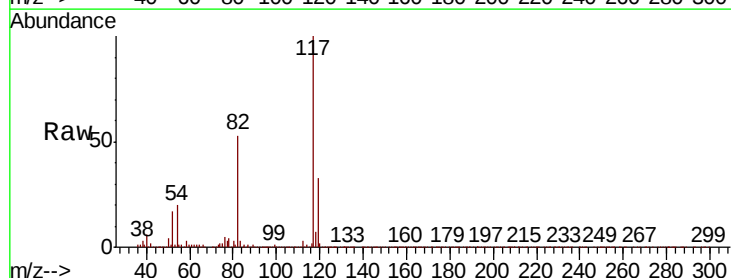
Manual Integrations
APPROVED

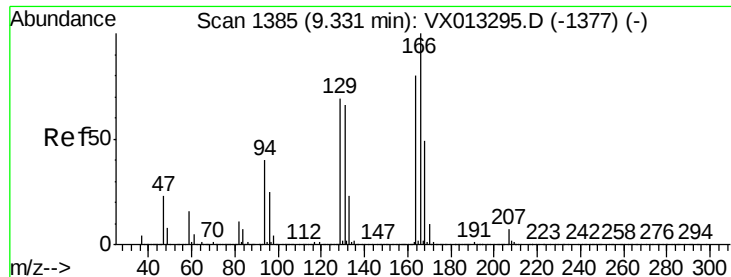
MMDadoda
11/22/2019 8:44:02 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	900414		
82	53.1	42.6	64.0	
119	32.6	24.8	37.2	





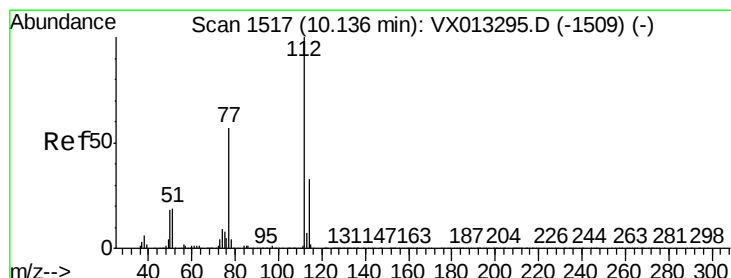
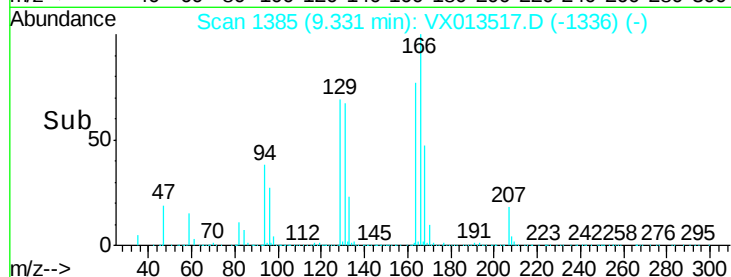
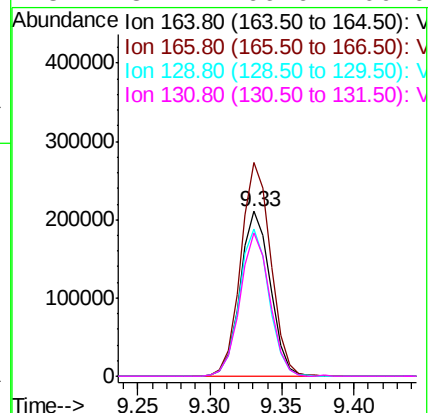
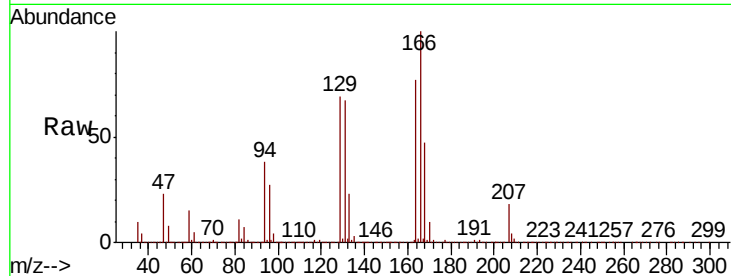
#64
Tetrachloroethene
Concen: 47.347 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.4	150.6
129	89.7	69.4	104.2
131	87.1	66.6	100.0

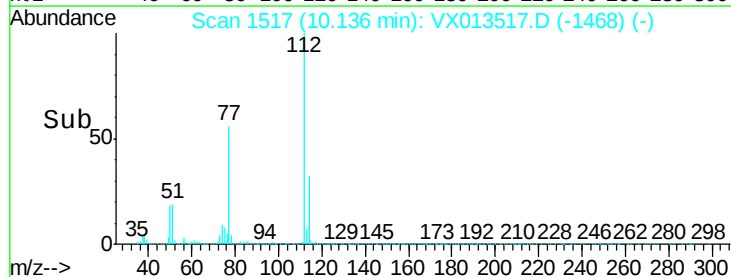
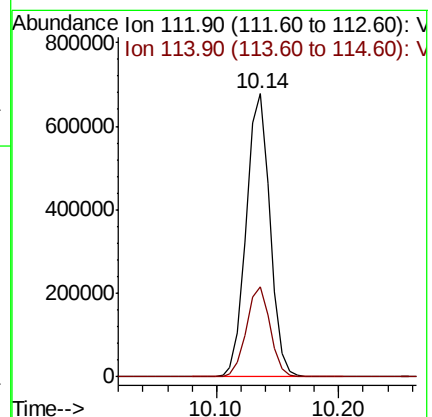
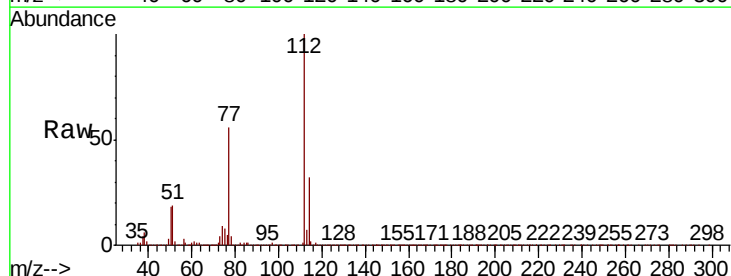
Manual Integrations
APPROVED

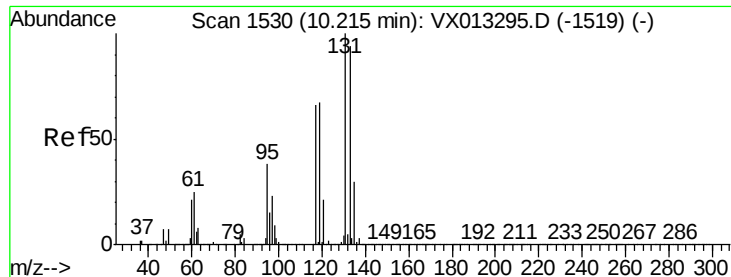
MMDadoda
11/22/2019 8:44:02 AM



#65
Chlorobenzene
Concen: 49.868 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.4	39.6





#66

1,1,1,2-Tetrachloroethane

Concen: 51.981 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

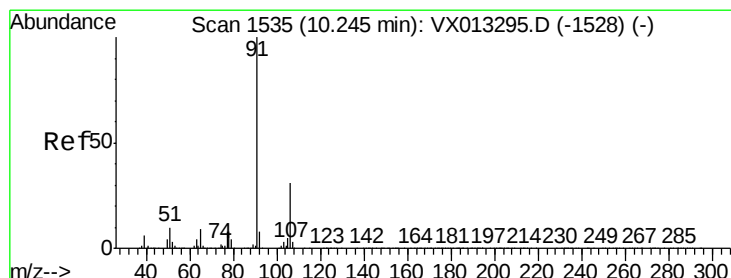
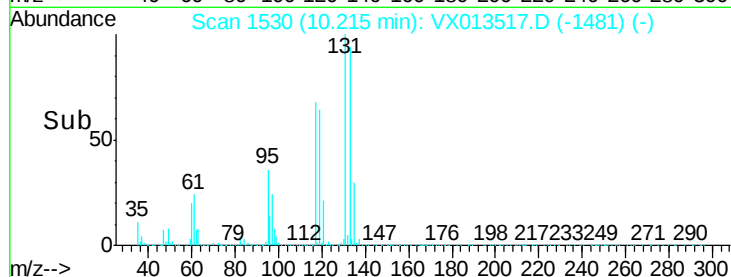
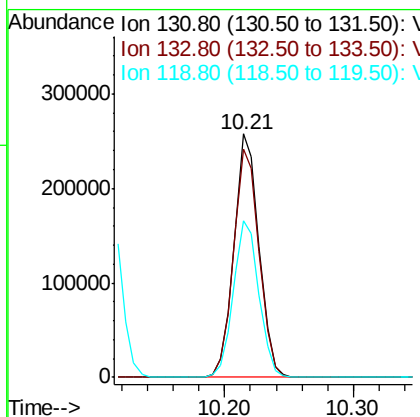
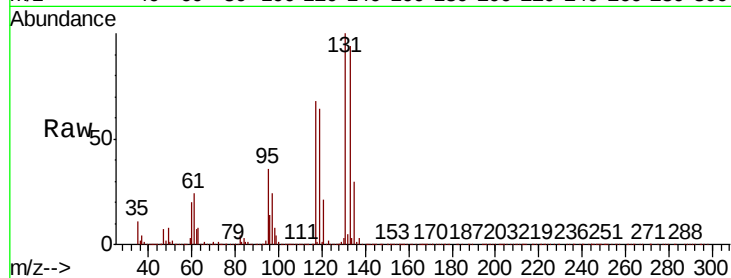
ClientSampleId :

15BR-20191120MSD

Tot Ion:	131	Resp:	347928
Ion Ratio	Lower	Upper	
131	100		
133	95.4	48.0	144.0
119	65.4	33.0	99.0

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#67

Ethyl Benzene

Concen: 50.216 ug/l

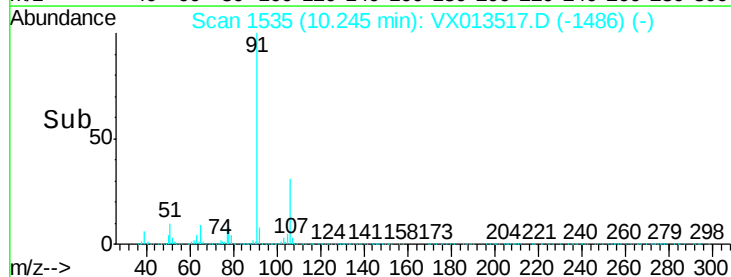
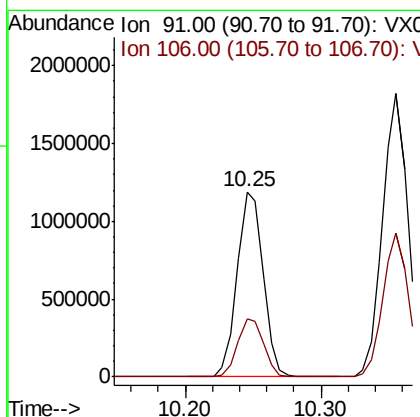
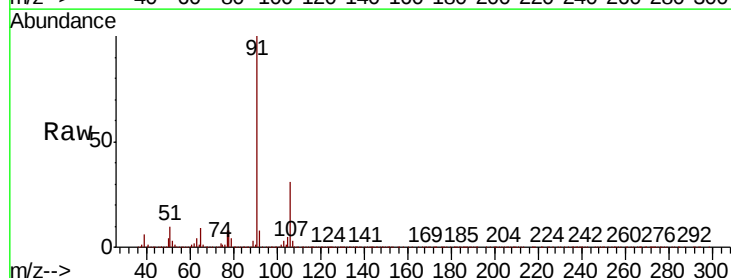
RT: 10.25 min Scan# 1535

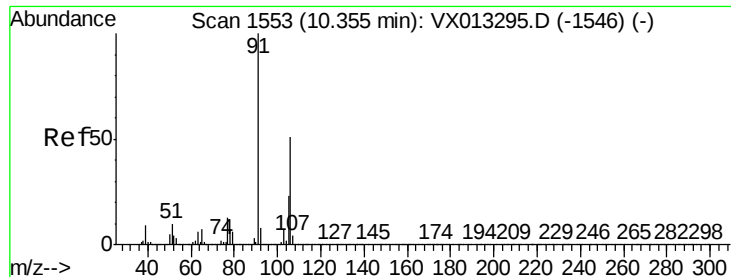
Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tgt Ion:	91	Resp:	1579896
Ion Ratio	Lower	Upper	
91	100		
106	31.2	24.6	36.8





#68

m/p-Xvlenes

Concen: 100.735 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion:106 Resp: 1198607

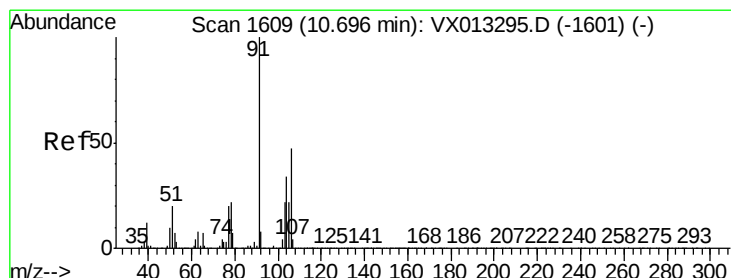
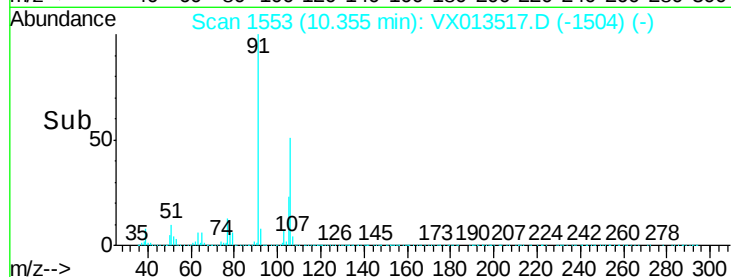
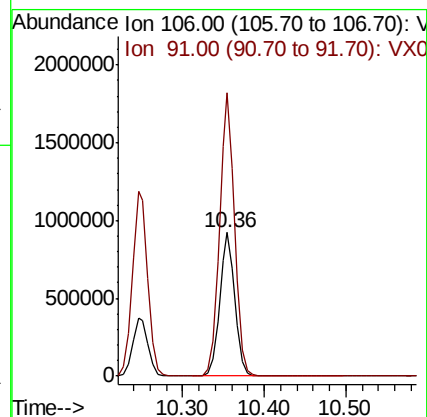
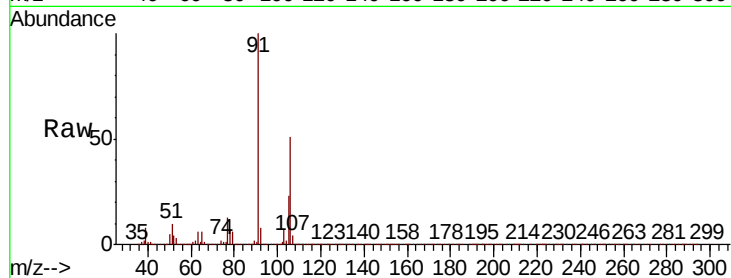
Ion Ratio Lower Upper

106 100

91 197.7 159.3 238.9

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#69

o-Xylene

Concen: 50.487 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX013517.D

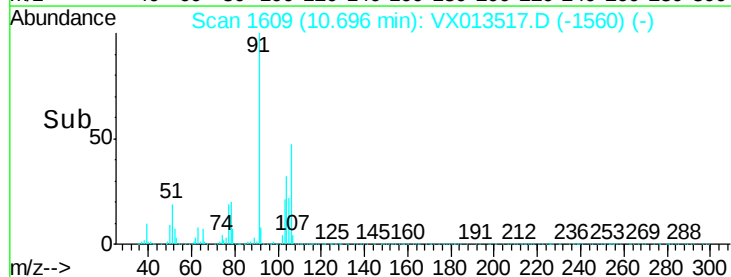
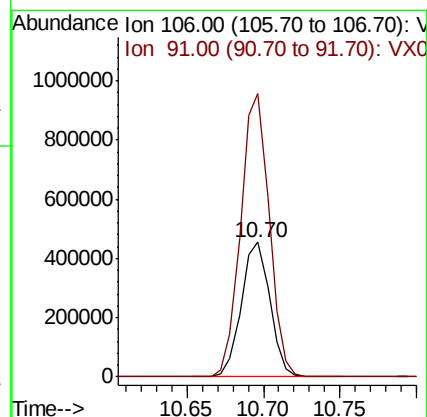
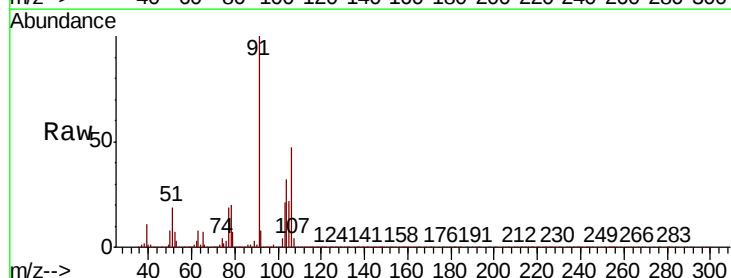
Acq: 21 Nov 2019 20:40

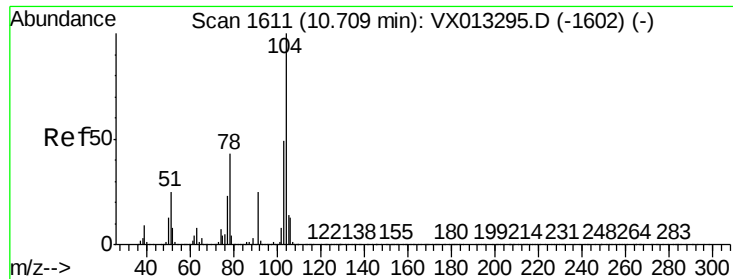
Tgt Ion:106 Resp: 588127

Ion Ratio Lower Upper

106 100

91 210.0 105.7 317.0





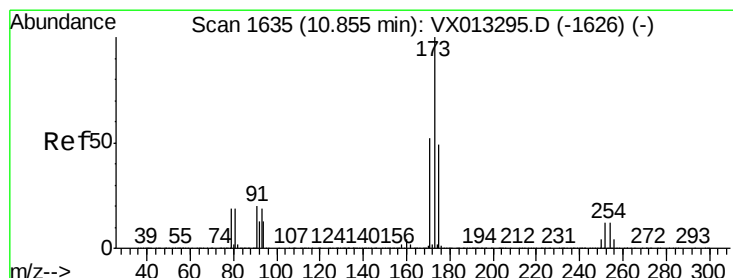
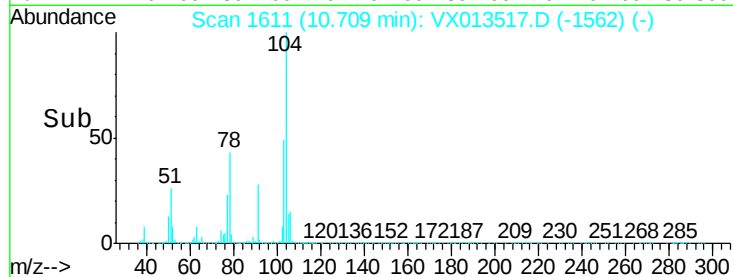
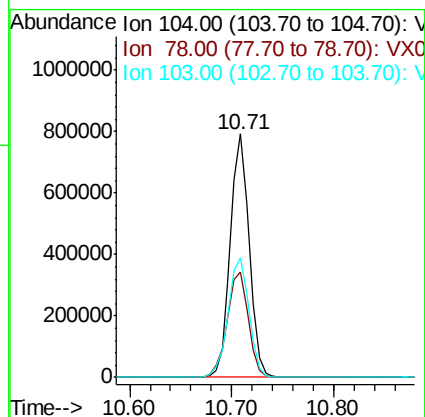
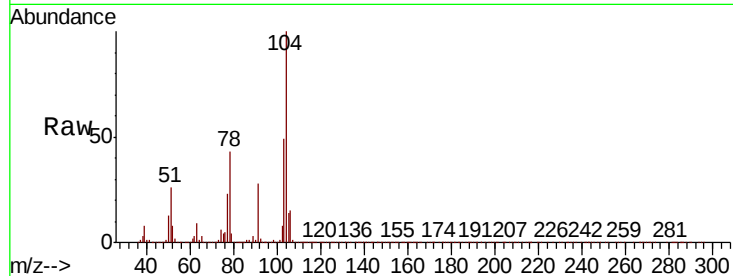
#70
Stvrene
Concen: 51.936 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	40.0	60.0
103	54.5	44.1	66.1

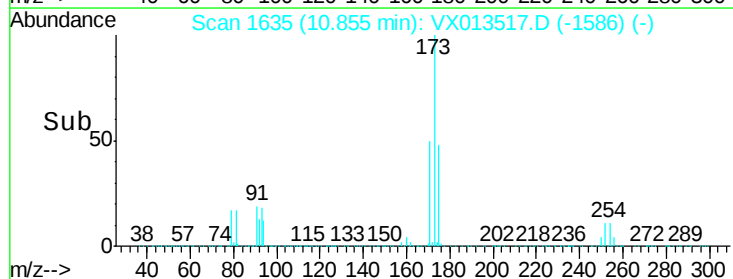
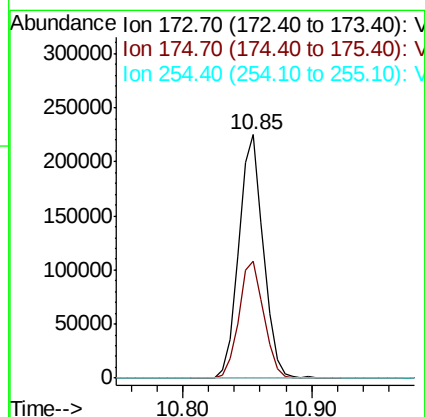
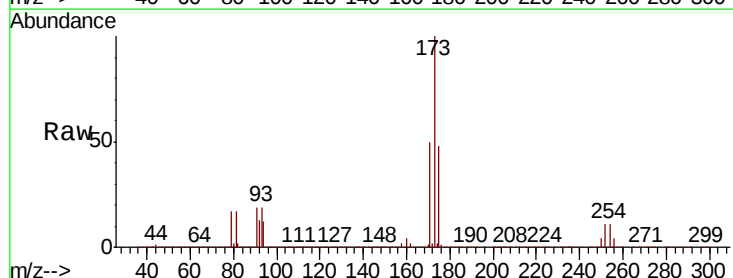
Manual Integrations
APPROVED

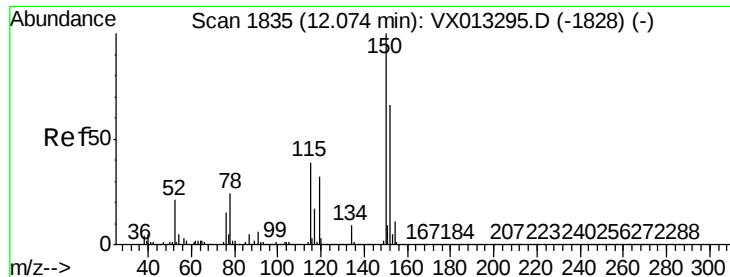
MMDadoda
11/22/2019 8:44:02 AM



#71
Bromoform
Concen: 47.787 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.4
254	0.2	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

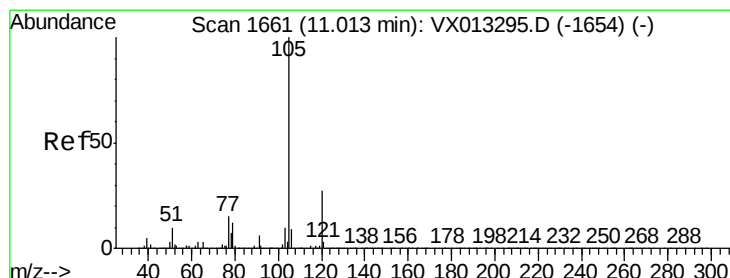
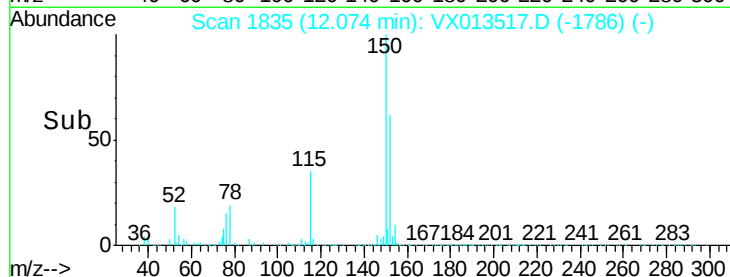
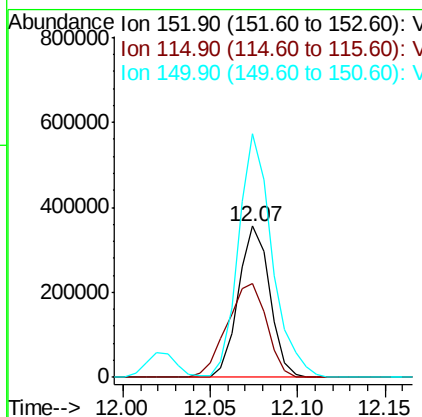
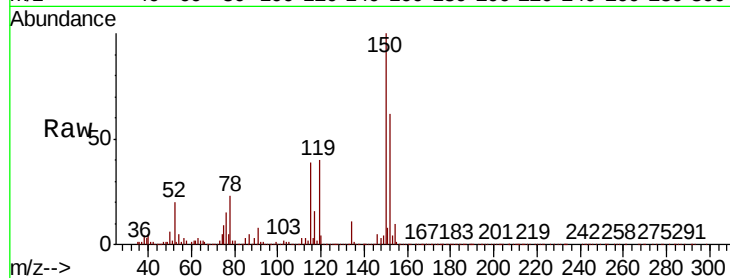
ClientSampleId :

15BR-20191120MSD

Tot Ion:	152	Resp:	442941
Ion Ratio	Lower	Upper	
152	100		
115	78.4	39.5	118.3
150	173.4	0.0	344.4

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:02 AM



#73

Isopropylbenzene

Concen: 53.173 ug/l

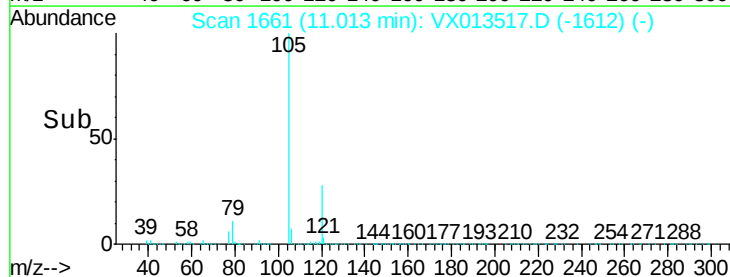
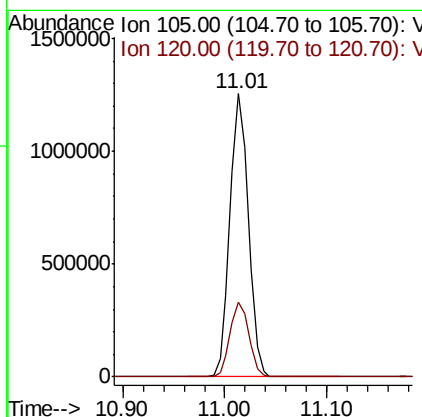
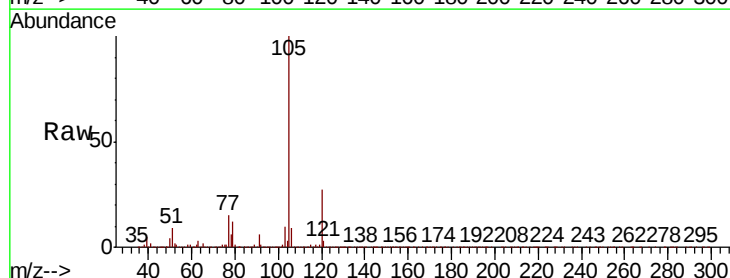
RT: 11.01 min Scan# 1661

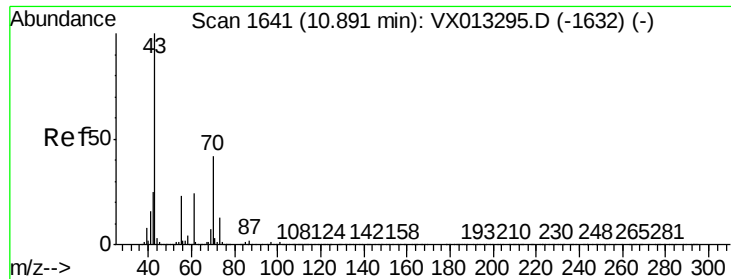
Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Tgt Ion:	105	Resp:	1561551
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.5	40.5





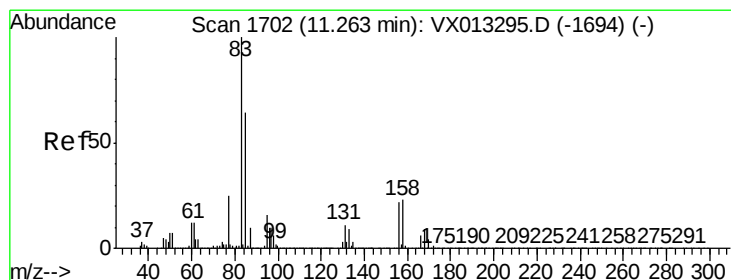
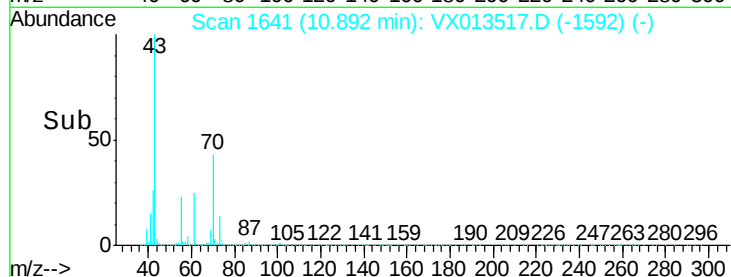
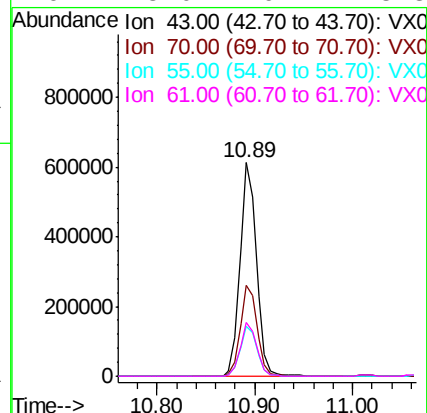
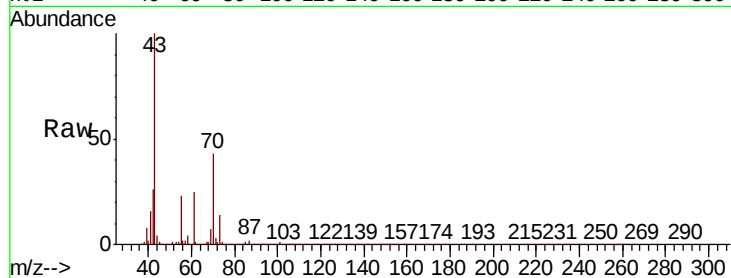
#74
N-amvl acetate
Concen: 52.383 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	43.3	34.1	51.1
55	24.1	18.9	28.3
61	25.0	19.2	28.8

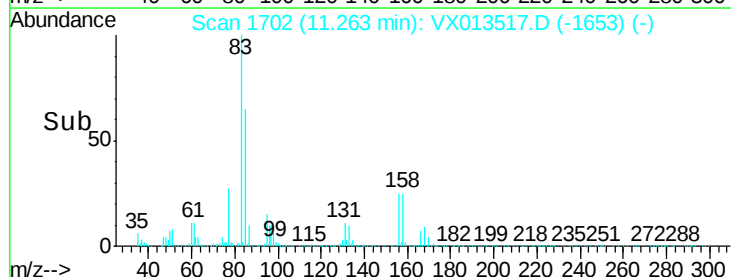
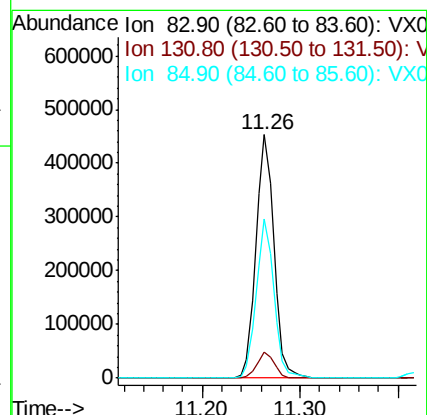
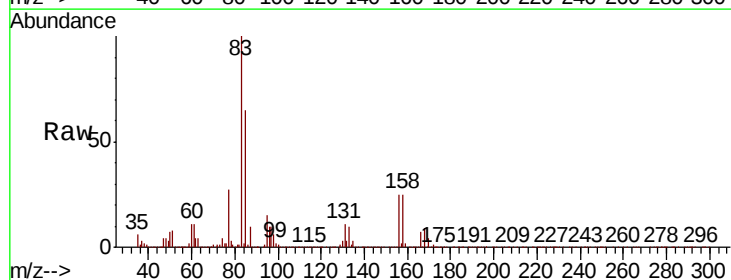
Manual Integrations
APPROVED

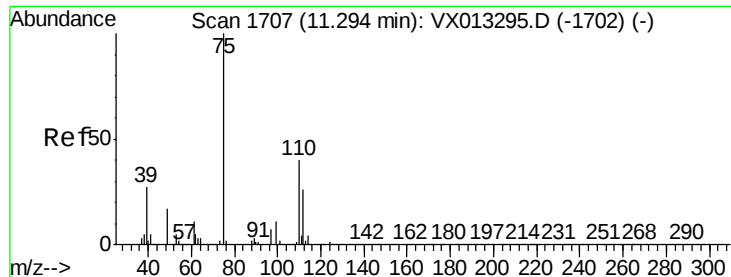
MMDadoda
11/22/2019 8:44:02 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 54.178 ug/l
RT: 11.26 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	64.3	32.3	96.8





#76

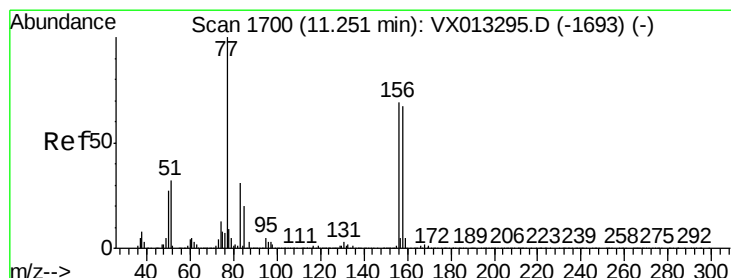
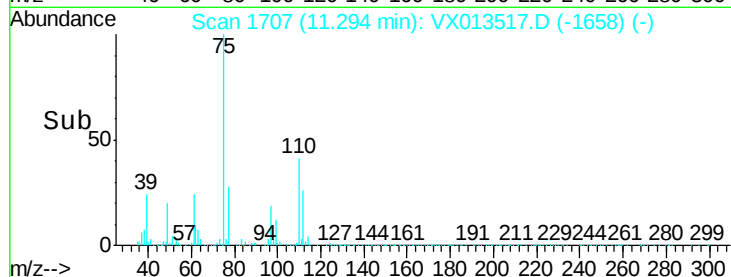
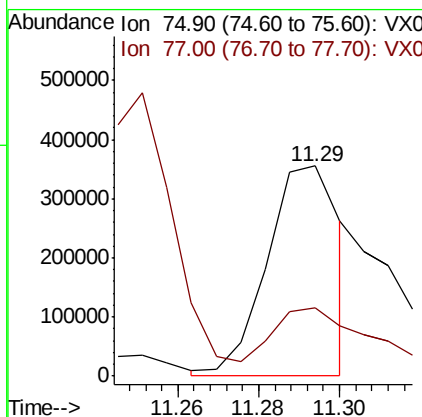
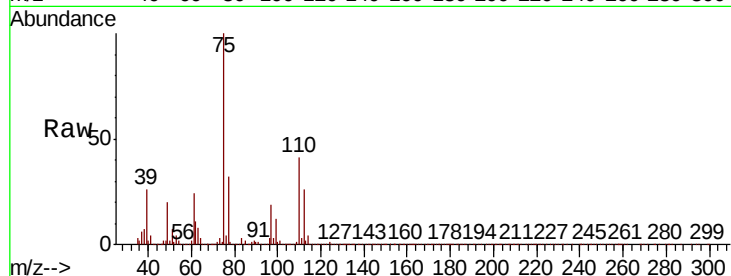
1,2,3-Trichloropropane
Concen: 49.283 ug/l m
RT: 11.29 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	45.0	22.3	66.8

Manual Integrations
APPROVED

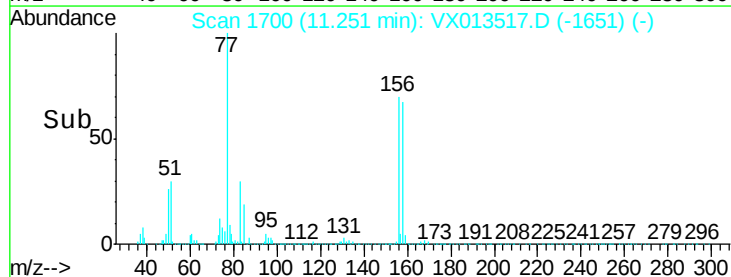
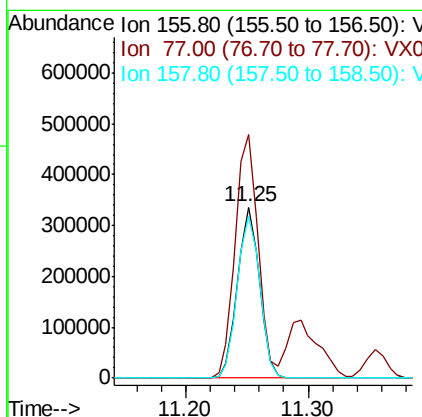
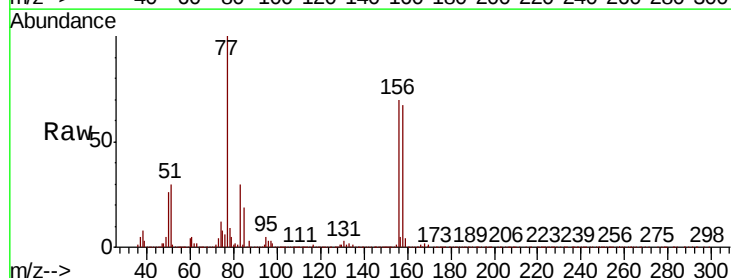
MMDadoda
11/22/2019 8:44:02 AM

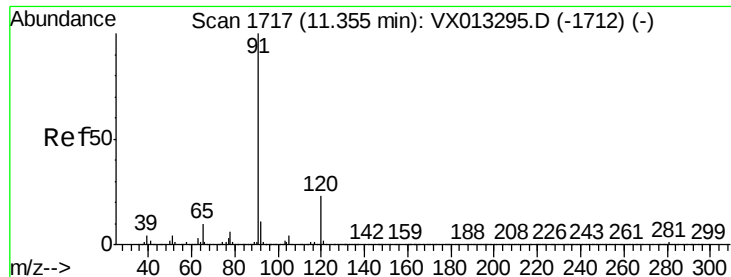


#77

Bromobenzene
Concen: 53.117 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
156	100		
77	149.2	75.8	227.4
158	97.7	47.6	142.8





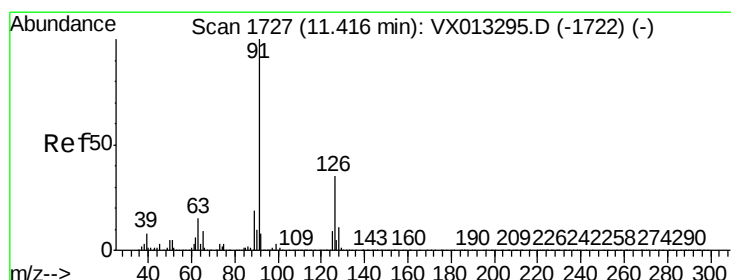
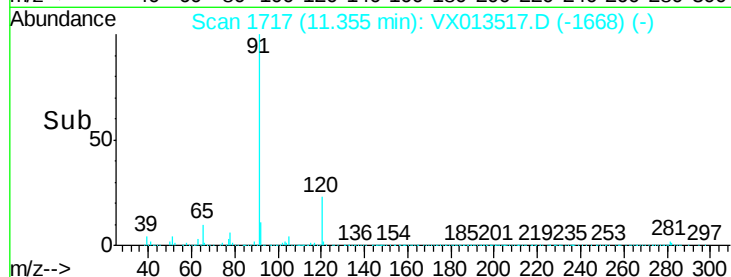
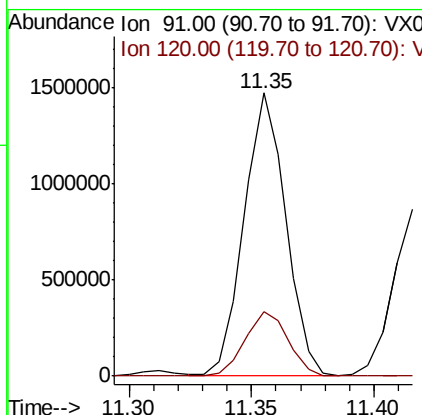
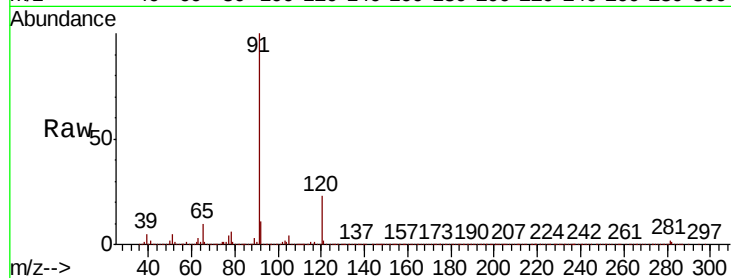
#78
n-propylbenzene
Concen: 52.947 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion: 91 Resp: 1732090
Ion Ratio Lower Upper
91 100
120 23.7 11.6 34.8

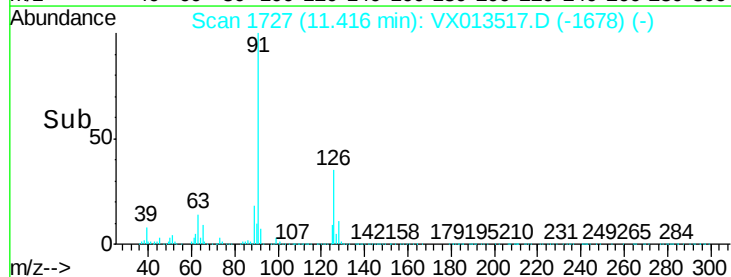
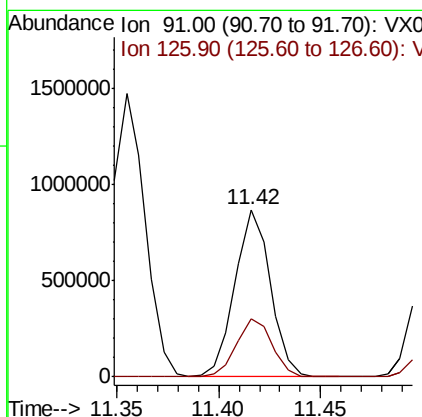
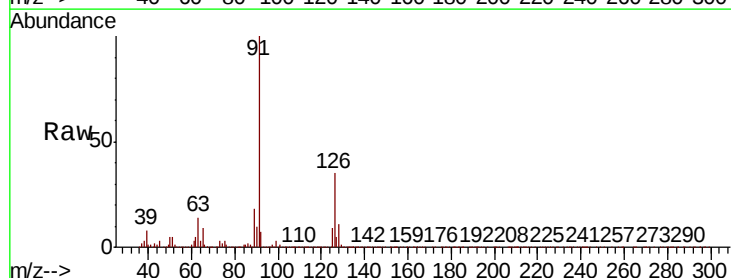
Manual Integrations
APPROVED

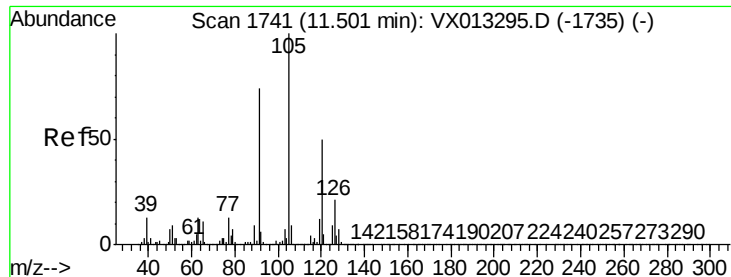
MMDadoda
11/22/2019 8:44:02 AM



#79
2-Chlorotoluene
Concen: 52.962 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion: 91 Resp: 1043887
Ion Ratio Lower Upper
91 100
126 35.2 17.3 52.0





#80

1,3,5-Trimethylbenzene

Concen: 53.084 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion: 105 Resp: 1298534

Ion Ratio Lower Upper

105 100

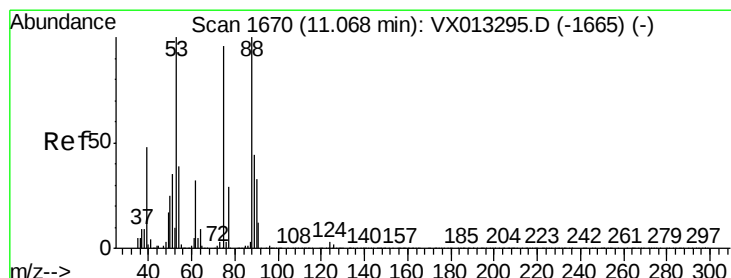
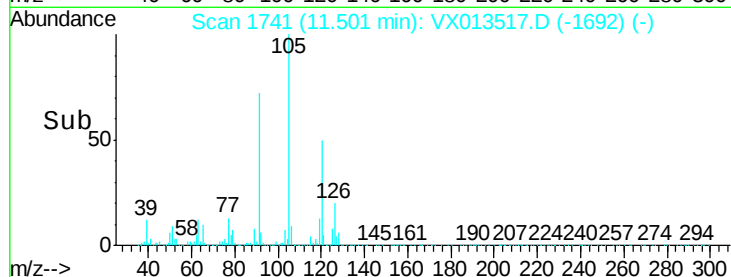
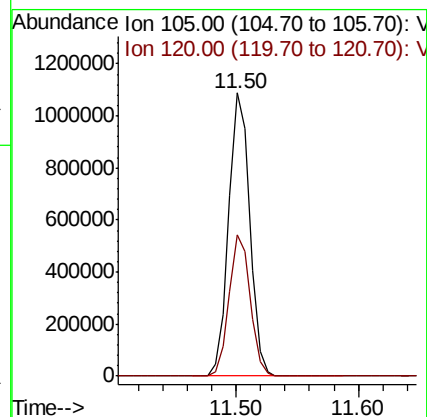
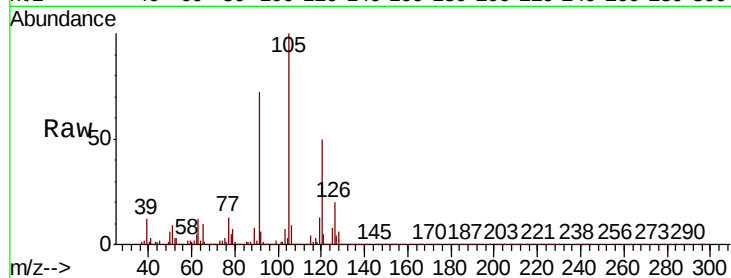
120 50.0 24.9 74.8

Manual Integrations

APPROVED

MMDadoda

11/22/2019 8:44:02 AM



#81

trans-1,4-Dichloro-2-butene

Concen: 52.404 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

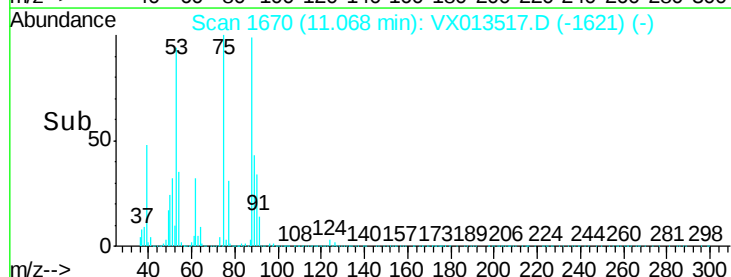
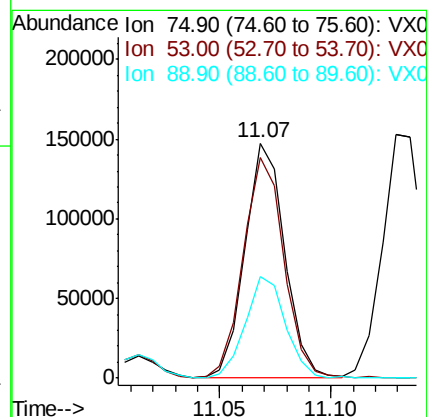
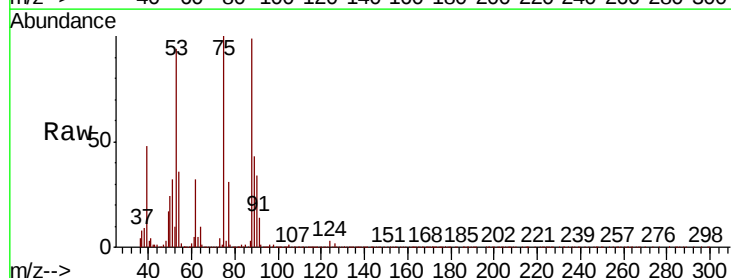
Tgt Ion: 75 Resp: 183166

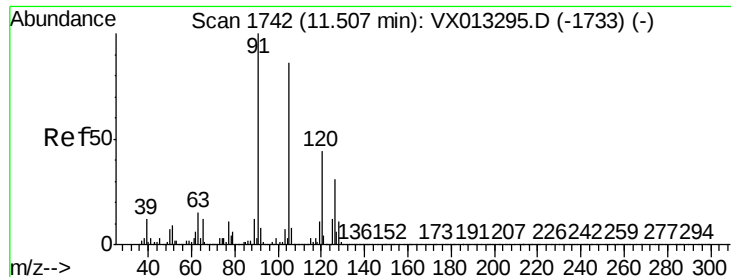
Ion Ratio Lower Upper

75 100

53 95.8 81.0 121.6

89 44.2 36.0 54.0





#82

4-Chlorotoluene

Concen: 51.974 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MSD

Tot Ion: 91 Resp: 1199172

Ion Ratio Lower Upper

91 100

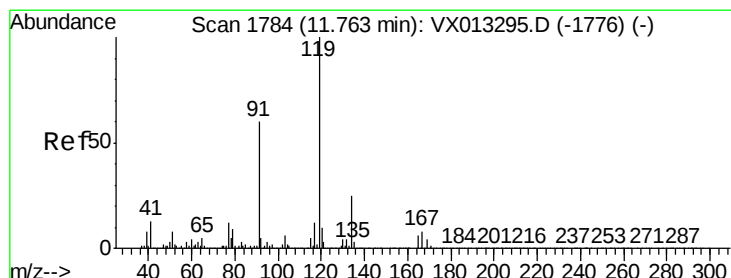
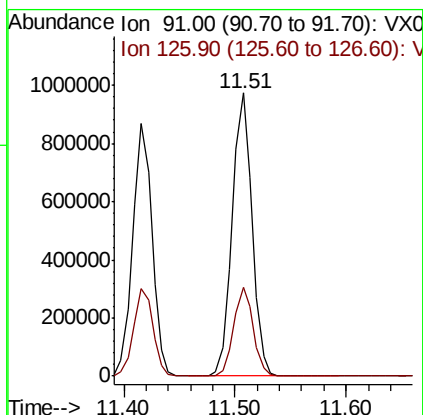
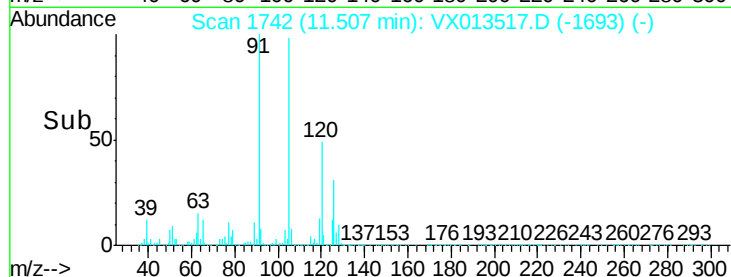
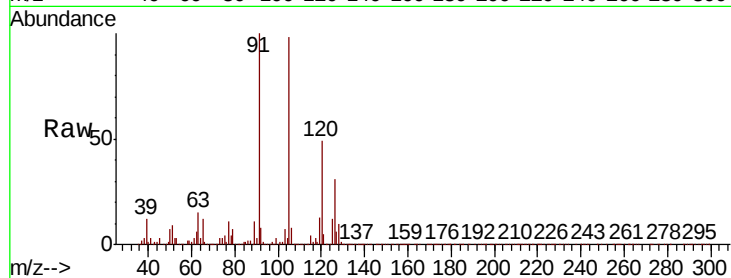
126 30.9 15.3 45.8

Manual Integrations

APPROVED

MMDadoda

11/22/2019 8:44:02 AM



#83

tert-Butylbenzene

Concen: 54.567 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VX013517.D

Acq: 21 Nov 2019 20:40

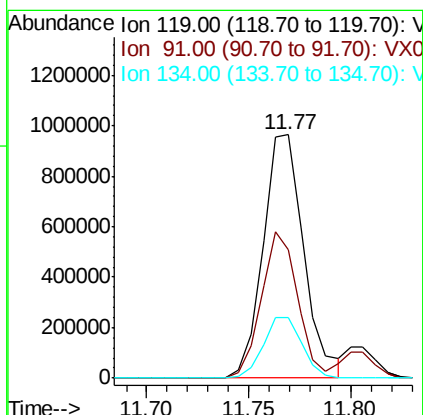
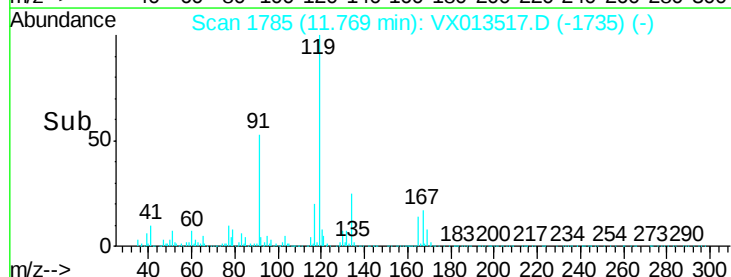
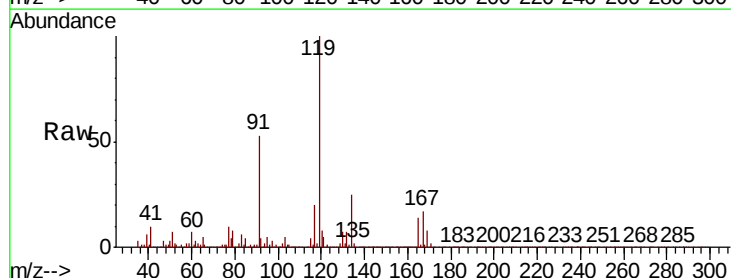
Tgt Ion: 119 Resp: 1343666

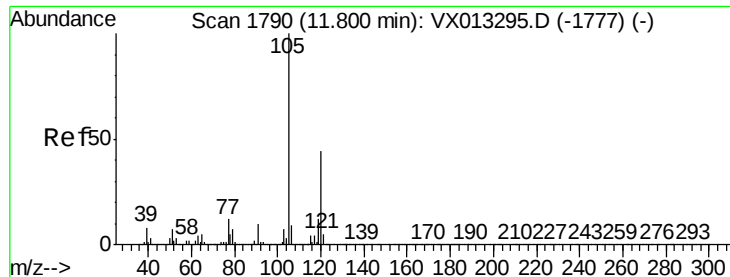
Ion Ratio Lower Upper

119 100

91 53.4 26.9 80.7

134 23.8 11.7 35.1





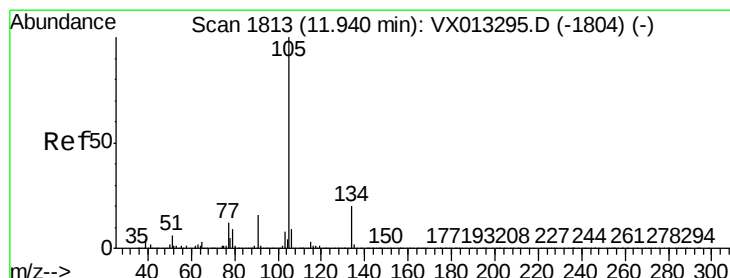
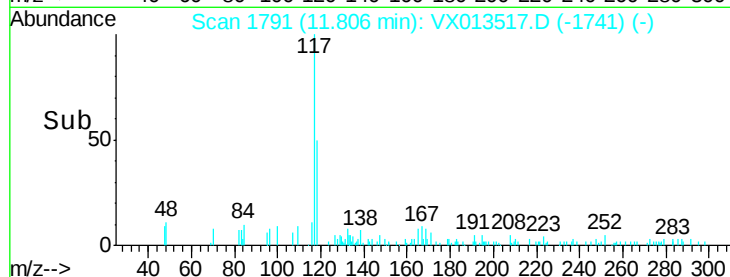
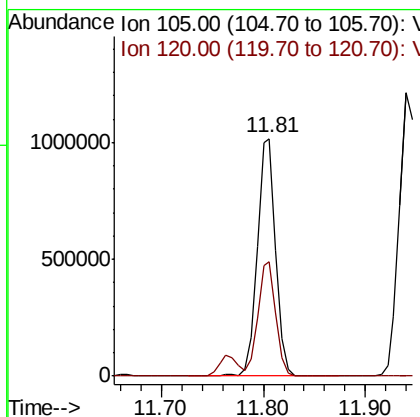
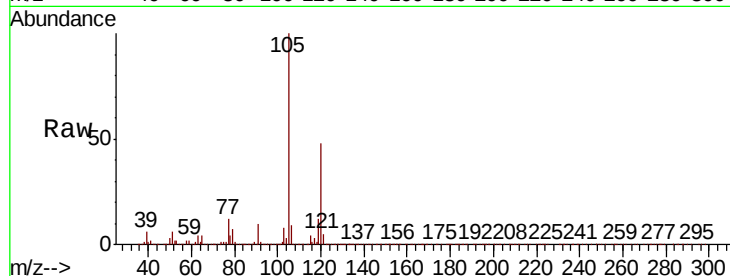
#84
1,2,4-Trimethylbenzene
Concen: 52.571 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion:105 Resp: 1290023
Ion Ratio Lower Upper
105 100
120 47.0 22.7 68.1

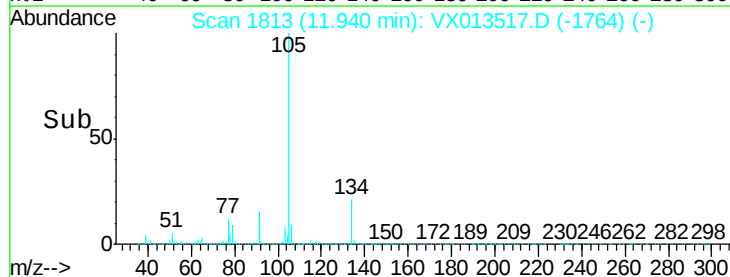
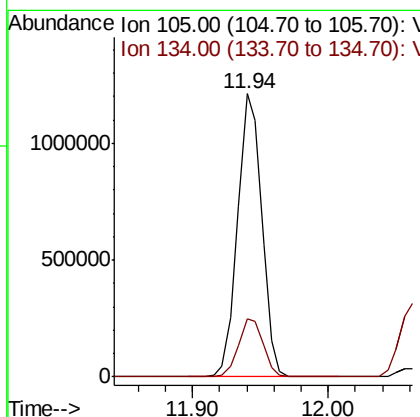
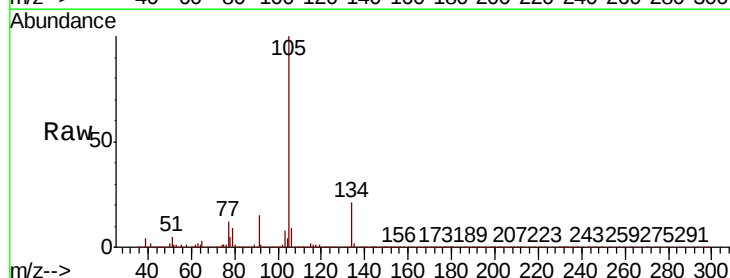
Manual Integrations
APPROVED

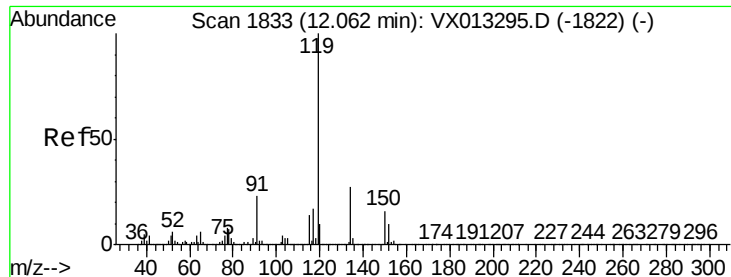
MMDadoda
11/22/2019 8:44:02 AM



#85
sec-Butylbenzene
Concen: 52.997 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion:105 Resp: 1499850
Ion Ratio Lower Upper
105 100
134 21.1 10.3 30.9





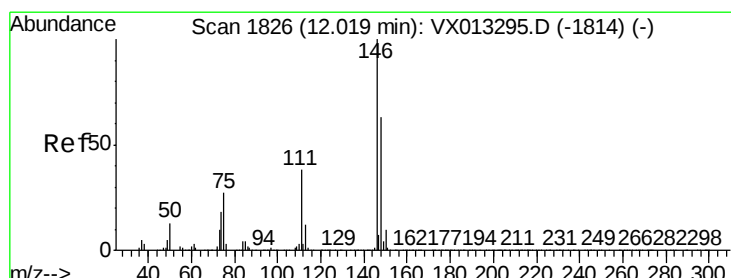
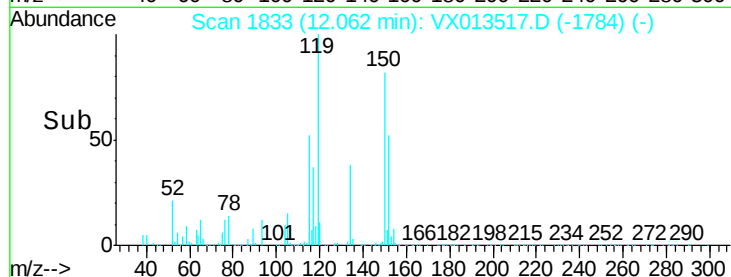
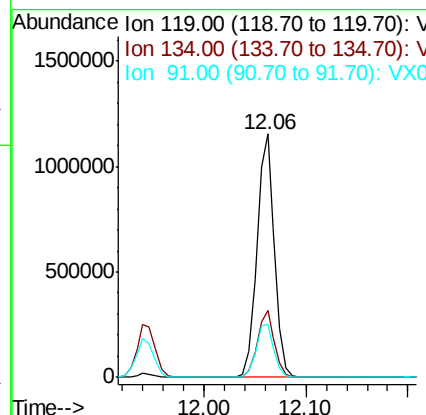
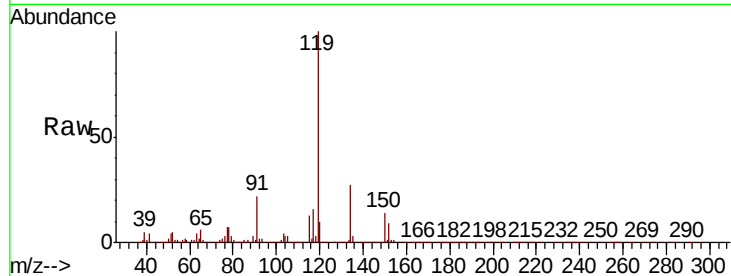
#86
p-Isopropyltoluene
Concen: 52.864 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.8
91	22.5	11.5	34.4

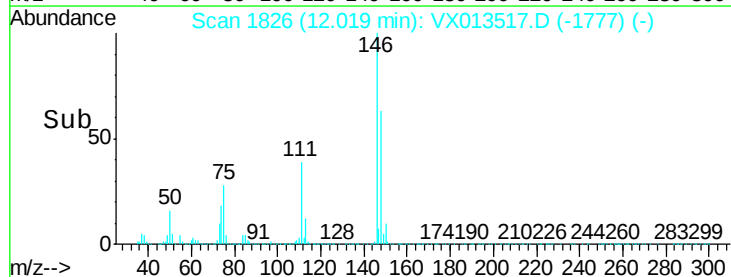
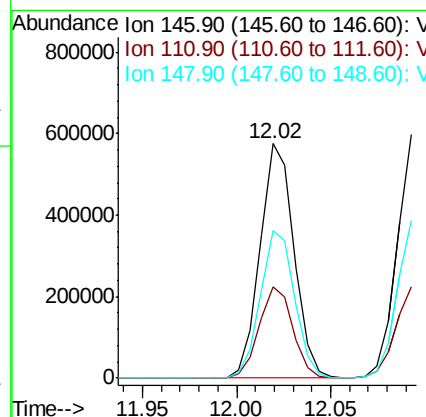
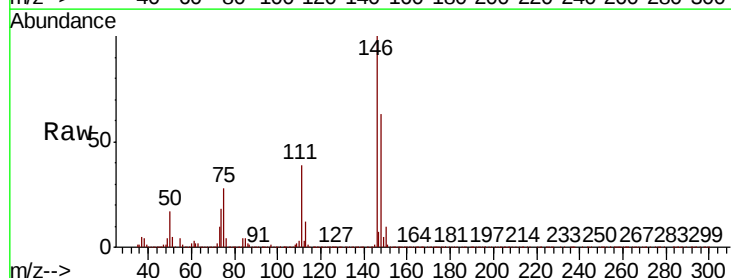
Manual Integrations
APPROVED

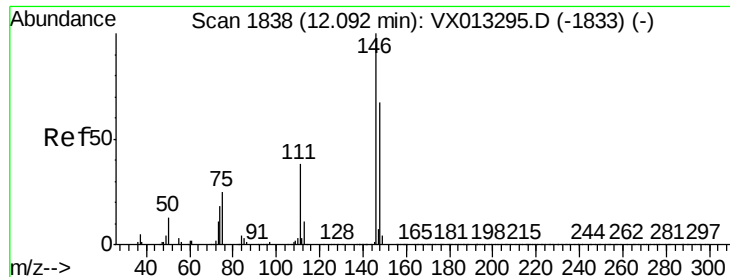
MMDadoda
11/22/2019 8:44:02 AM



#87
1,3-Dichlorobenzene
Concen: 51.476 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.5
148	63.5	31.9	95.7





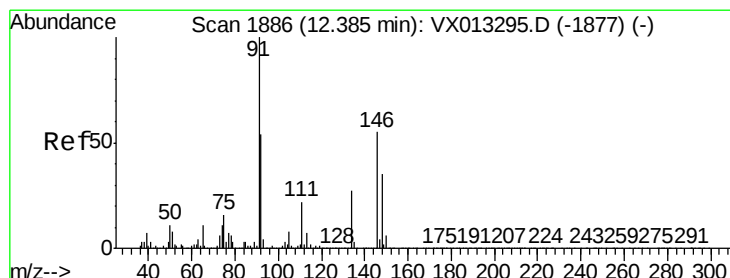
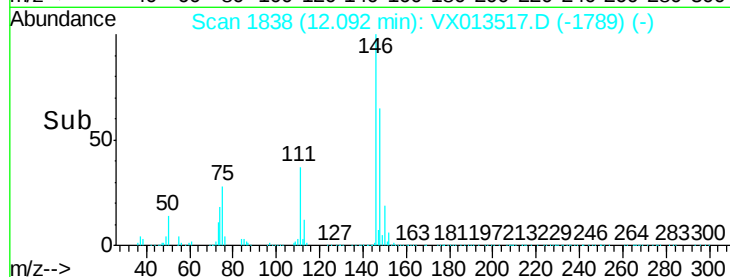
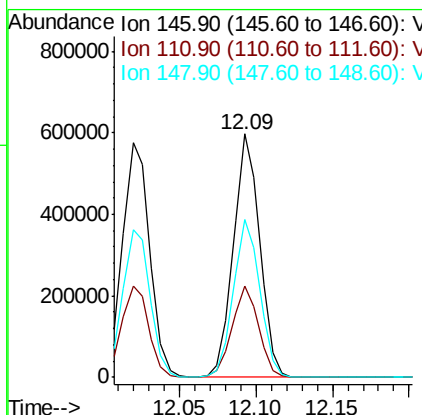
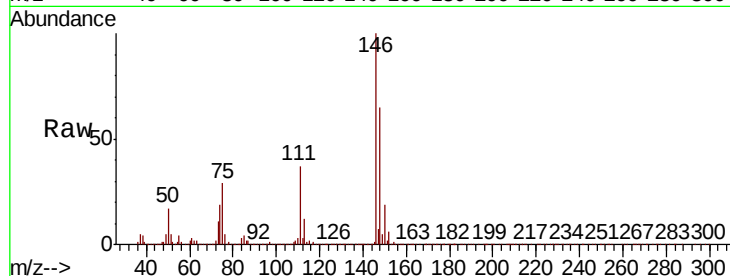
#88
 1,4-Dichlorobenzene
 Concen: 49.998 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	64.9	32.4	97.0

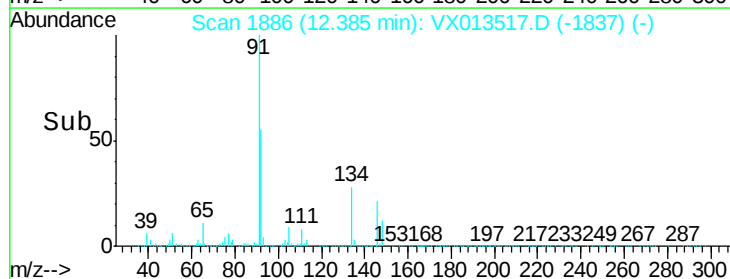
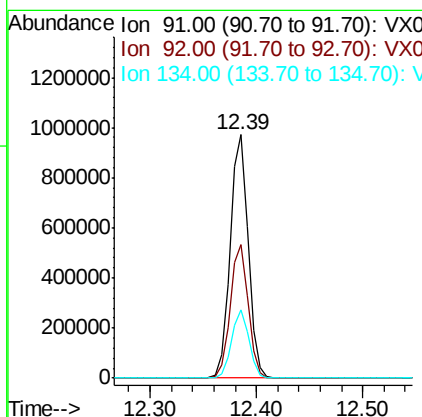
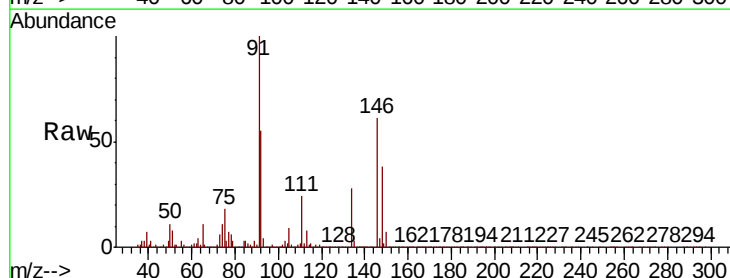
Manual Integrations
 APPROVED

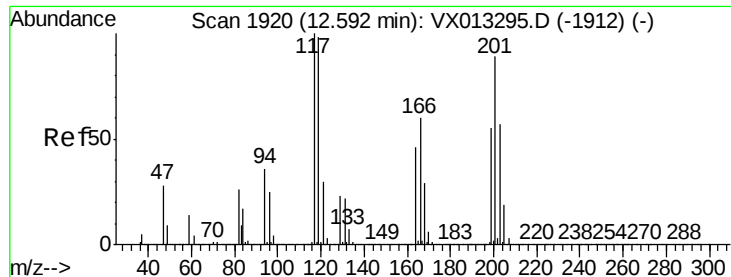
MMDadoda
 11/22/2019 8:44:02 AM



#89
 n-Butylbenzene
 Concen: 50.643 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.8
134	27.4	13.5	40.5





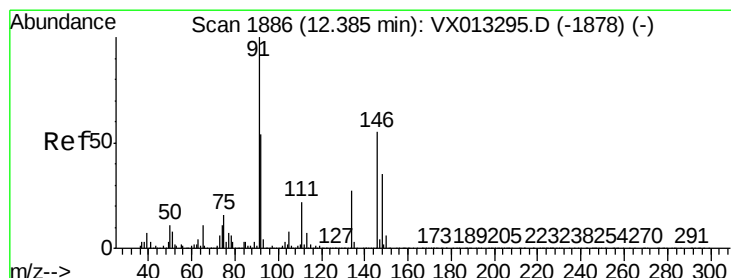
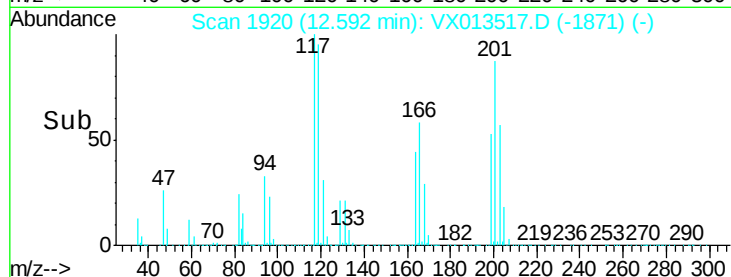
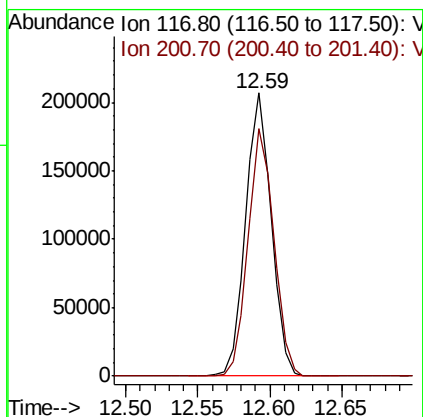
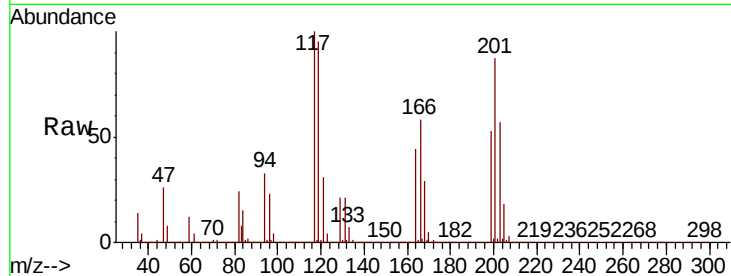
#90
Hexachloroethane
Concen: 54.717 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254054		
201	87.8	43.9	131.7	

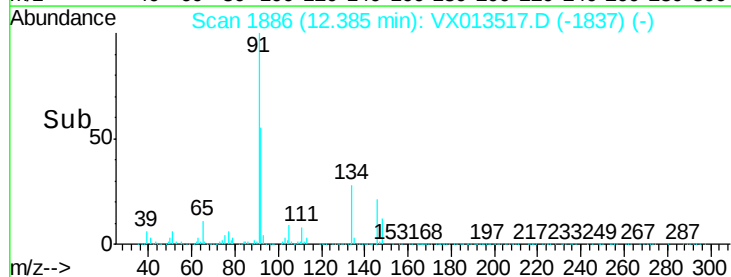
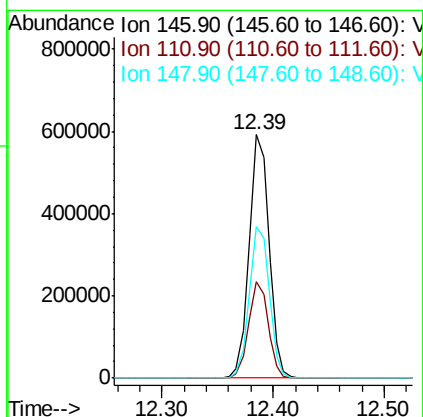
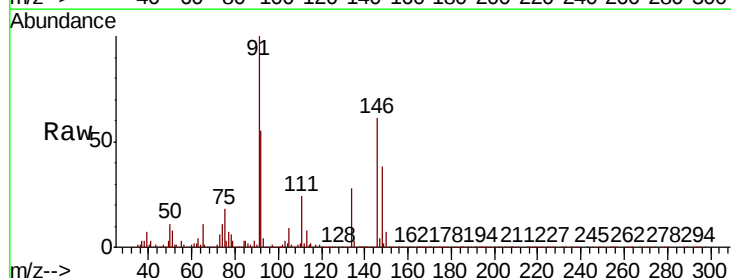
Manual Integrations
APPROVED

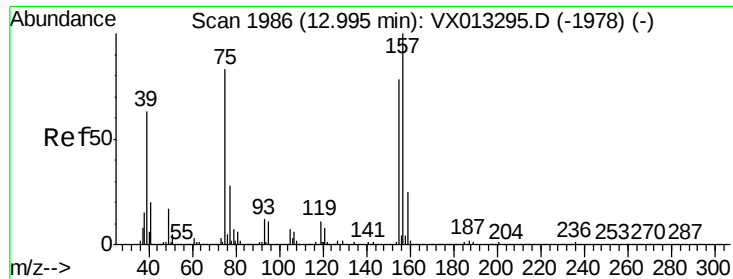
MMDadoda
11/22/2019 8:44:02 AM



#91
1,2-Dichlorobenzene
Concen: 52.660 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	734599		
111	39.5	20.1	60.2	
148	63.1	32.0	96.0	





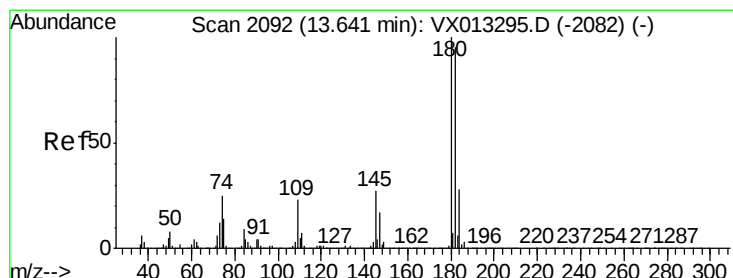
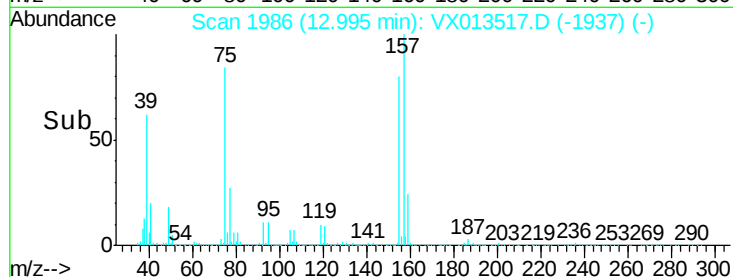
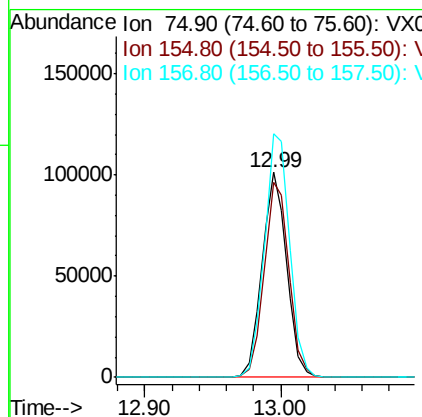
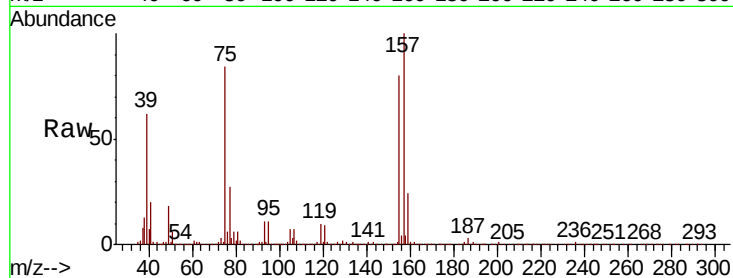
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.292 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	96.3	47.1	141.4
157	122.5	61.3	183.8

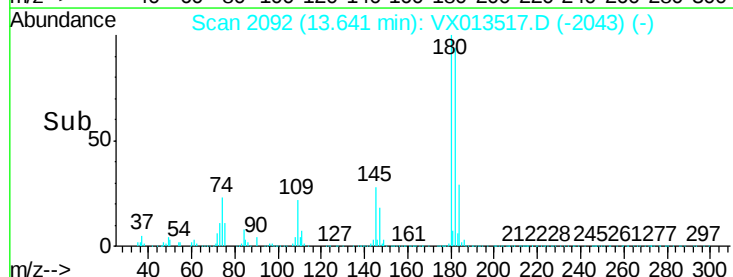
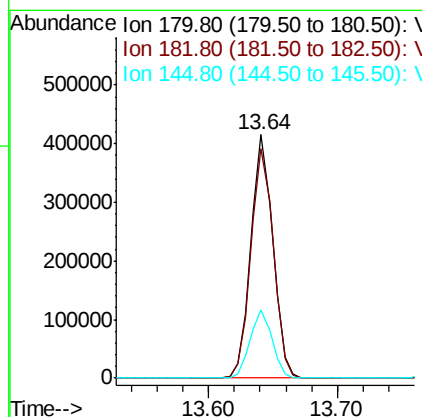
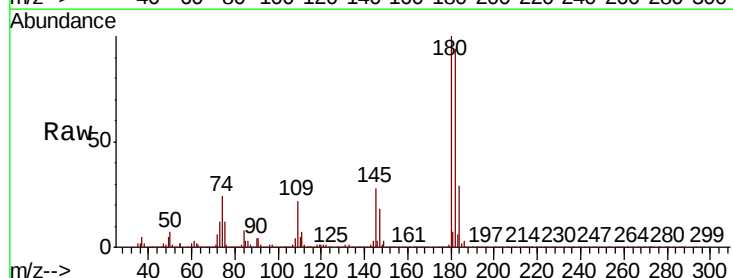
Manual Integrations
 APPROVED

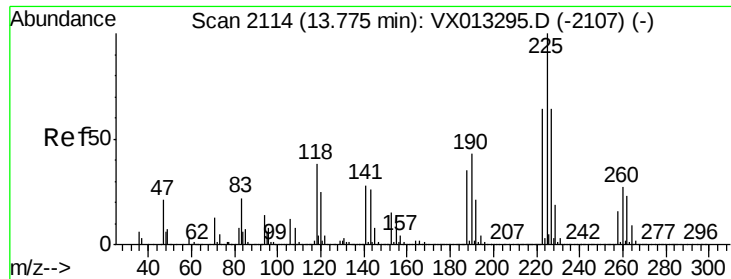
MMDadoda
 11/22/2019 8:44:02 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.697 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.4	145.0
145	28.2	14.1	42.4





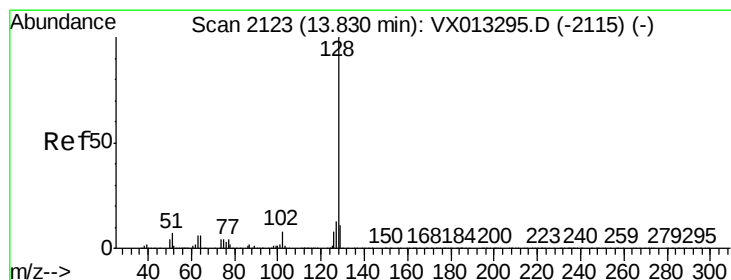
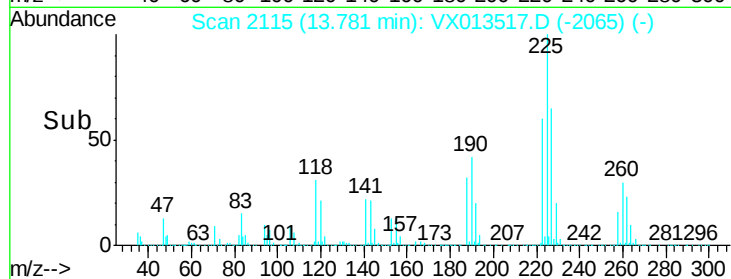
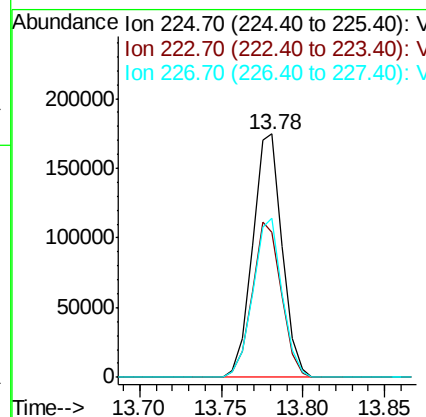
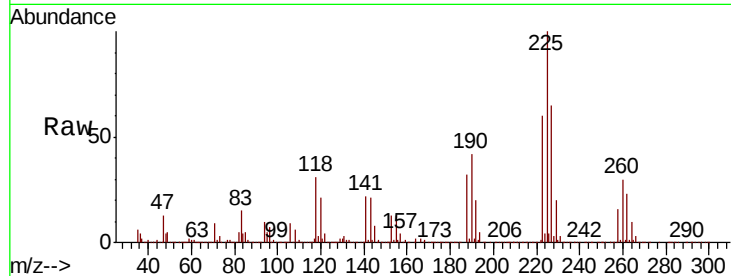
#94
Hexachlorobutadiene
Concen: 46.308 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	220453		
223	62.9		31.9	95.7
227	64.6		31.9	95.9

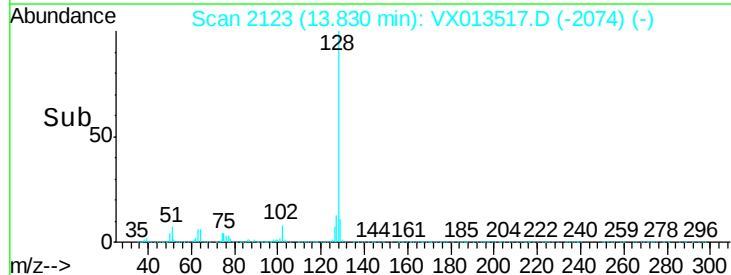
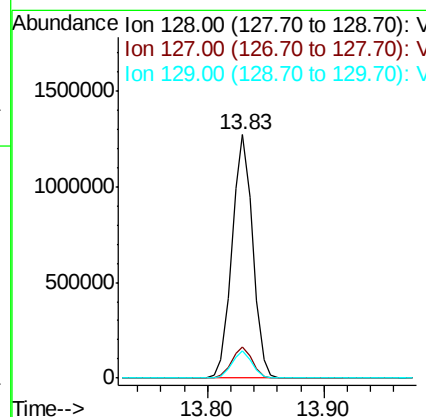
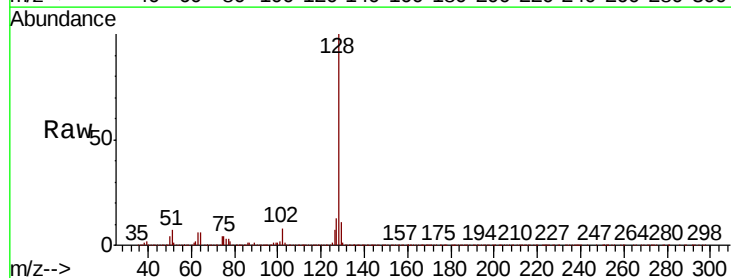
Manual Integrations
APPROVED

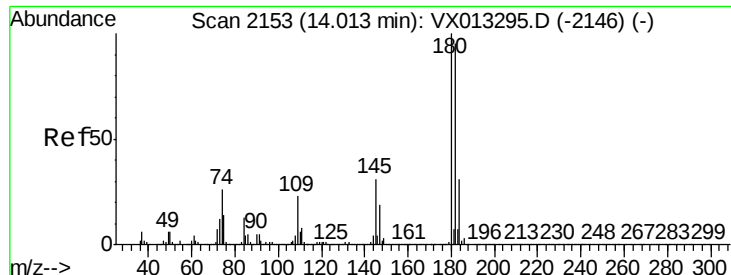
MMDadoda
11/22/2019 8:44:02 AM



#95
Naphthalene
Concen: 51.151 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013517.D
Acq: 21 Nov 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1561628		
127	12.9		10.2	15.2
129	10.9		8.5	12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 50.167 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX013517.D
 Acq: 21 Nov 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	97.5	48.0	144.2
145	30.5	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 8:44:02 AM

