

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112219\
 Data File : VX013574.D
 Acq On : 23 Nov 2019 07:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/25/2019 10:39:33 AM

Quant Time: Nov 25 07:21:28 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	594852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	931758	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	838542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	434593	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	376905	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	5.48	113	299550	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	8.71	98	1189074	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
62) 4-Bromofluorobenzene	11.14	95	436423	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	278982	40.704	ug/l	98
3) Chloromethane	1.31	50	327973	44.126	ug/l	99
4) Vinyl Chloride	1.40	62	393854	46.545	ug/l	99
5) Bromomethane	1.62	94	254296	43.125	ug/l	99
6) Chloroethane	1.70	64	224767	46.382	ug/l	100
7) Trichlorofluoromethane	1.92	101	442126	44.225	ug/l	100
8) Diethyl Ether	2.18	74	215386	48.721	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	270750	48.591	ug/l	98
10) Methyl Iodide	2.50	142	347701	50.402	ug/l	97
11) Tert butyl alcohol	3.04	59	449884	242.206	ug/l	99
12) 1,1-Dichloroethene	2.36	96	273274	50.082	ug/l	99
13) Acrolein	2.28	56	294433	292.479	ug/l	97
14) Allyl chloride	2.72	41	488173	49.240	ug/l	93
15) Acrylonitrile	3.13	53	966580	278.583	ug/l	99
16) Acetone	2.43	43	973546	276.964	ug/l	99
17) Carbon Disulfide	2.56	76	616172	42.190	ug/l	98
18) Methyl Acetate	2.76	43	638216	65.766	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	998279	54.853	ug/l	99
20) Methylene Chloride	2.84	84	331379	51.024	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	296605	49.924	ug/l	99
22) Diisopropyl ether	3.84	45	1037504	54.205	ug/l #	87
23) Vinyl Acetate	3.80	43	1113902m	68.010	ug/l	
24) 1,1-Dichloroethane	3.69	63	566847	52.940	ug/l	99
25) 2-Butanone	4.65	43	1448784	280.954	ug/l	97
26) 2,2-Dichloropropane	4.57	77	278560	32.703	ug/l	93
27) cis-1,2-Dichloroethene	4.58	96	354612	53.283	ug/l	97
28) Bromochloromethane	5.00	49	175853	57.843	ug/l	99
29) Tetrahydrofuran	5.12	42	876405	275.795	ug/l	100
30) Chloroform	5.20	83	560489	53.012	ug/l	98
31) Cyclohexane	5.57	56	458893	47.629	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	464316	51.030	ug/l	99
36) 1,1-Dichloropropene	5.79	75	397890	49.778	ug/l	100
37) Ethyl Acetate	4.82	43	491871	49.799	ug/l	99
38) Carbon Tetrachloride	5.78	117	392062	50.158	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112219\
 Data File : VX013574.D
 Acq On : 23 Nov 2019 07:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/25/2019 10:39:33 AM

Quant Time: Nov 25 07:21:28 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	7.45	83	446734	44.853	ug/l	98
40) Benzene	6.13	78	1278409	51.344	ug/l	99
41) Methacrylonitrile	5.03	41	292335	52.805	ug/l	97
42) 1,2-Dichloroethane	6.18	62	449483	50.047	ug/l	98
43) Isopropyl Acetate	6.43	43	807664	52.513	ug/l	99
44) Trichloroethene	7.21	130	413638	60.351	ug/l	98
45) 1,2-Dichloropropane	7.51	63	340899	53.735	ug/l	99
46) Dibromomethane	7.65	93	222282	51.316	ug/l	99
47) Bromodichloromethane	7.89	83	432120	52.903	ug/l	98
48) Methyl methacrylate	7.76	41	402114	52.375	ug/l	98
49) 1,4-Dioxane	7.73	88	162322	923.208	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2736095	271.146	ug/l	99
52) Toluene	8.78	92	792769	51.371	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	447405	50.091	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	497949	49.839	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	345439	54.004	ug/l	99
56) Ethyl methacrylate	9.17	69	550362	50.386	ug/l	97
57) 1,3-Dichloropropane	9.37	76	575336	52.986	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1140061	260.669	ug/l	100
59) 2-Hexanone	9.49	43	2162131	277.268	ug/l	99
60) Dibromochloromethane	9.57	129	357059	54.581	ug/l	100
61) 1,2-Dibromoethane	9.67	107	353881	52.101	ug/l	100
64) Tetrachloroethene	9.33	164	519379	86.522	ug/l	97
65) Chlorobenzene	10.14	112	879845	51.827	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	335813	53.873	ug/l	99
67) Ethyl Benzene	10.25	91	1533499	52.338	ug/l	100
68) m/p-Xylenes	10.35	106	1167816	105.389	ug/l	99
69) o-Xylene	10.70	106	570156	52.556	ug/l	99
70) Styrene	10.71	104	996761	54.964	ug/l	98
71) Bromoform	10.85	173	278757	48.345	ug/l #	100
73) Isopropylbenzene	11.01	105	1522195	52.828	ug/l	100
74) N-amyl acetate	10.89	43	712732	53.341	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	423647	40.302	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	434101m	49.178	ug/l	
77) Bromobenzene	11.25	156	402981	52.461	ug/l	99
78) n-propylbenzene	11.35	91	1706570	53.169	ug/l	99
79) 2-Chlorotoluene	11.42	91	1018521	52.668	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1274396	53.098	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	151957	44.310	ug/l	100
82) 4-Chlorotoluene	11.51	91	1171578	51.754	ug/l	99
83) tert-Butylbenzene	11.76	119	1093814	45.274	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	1282490	53.268	ug/l	98
85) sec-Butylbenzene	11.94	105	1479669	53.289	ug/l	100
86) p-Isopropyltoluene	12.06	119	1342126	52.491	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	711457	51.960	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	712256	51.056	ug/l	99
89) n-Butylbenzene	12.39	91	1155013	51.770	ug/l	100
90) Hexachloroethane	12.59	117	237466	52.126	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	727805	53.175	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	120878	47.199	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
Data File : VX013574.D
Acq On : 23 Nov 2019 07:52
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

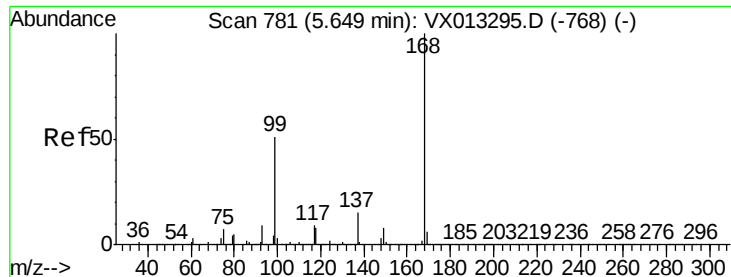
Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM

Quant Time: Nov 25 07:21:28 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)
93) 1,2,4-Trichlorobenzene	13.64	180	500061	52.378	ug/l	97
94) Hexachlorobutadiene	13.78	225	232668	49.813	ug/l	98
95) Naphthalene	13.83	128	1599315	53.392	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	507840	53.040	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: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 594852

Ion Ratio Lower Upper

168 100

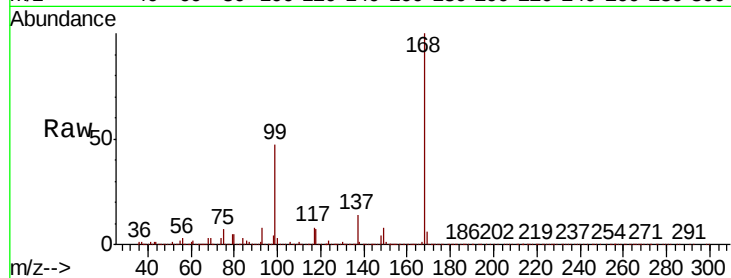
99 46.9 40.8 61.2

Manual Integrations

APPROVED

MMDadoda

11/25/2019 10:39:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

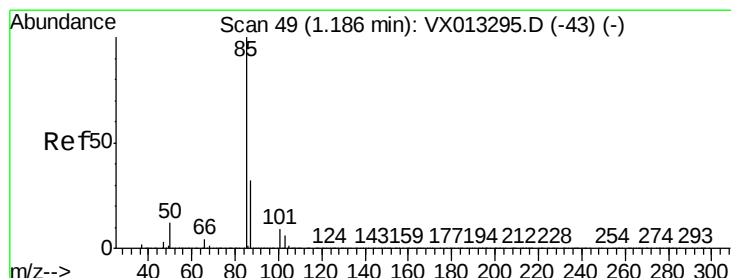
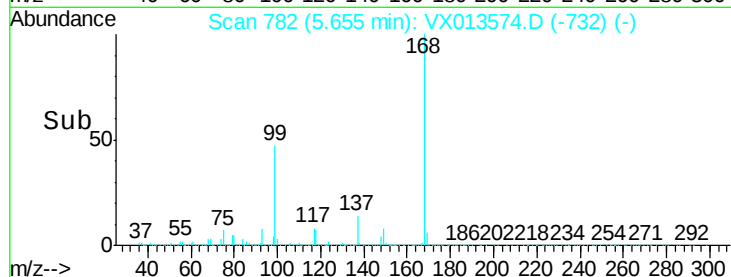
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.704 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013574.D

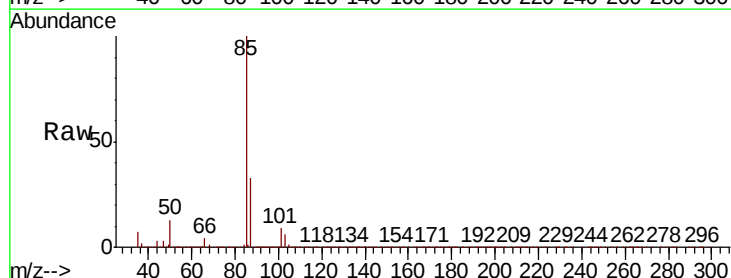
Acq: 23 Nov 2019 07:52

Tgt Ion: 85 Resp: 278982

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

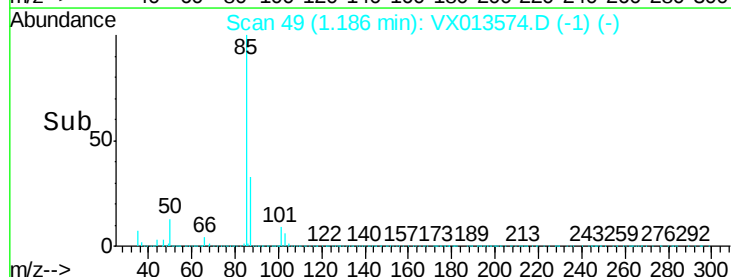
100000

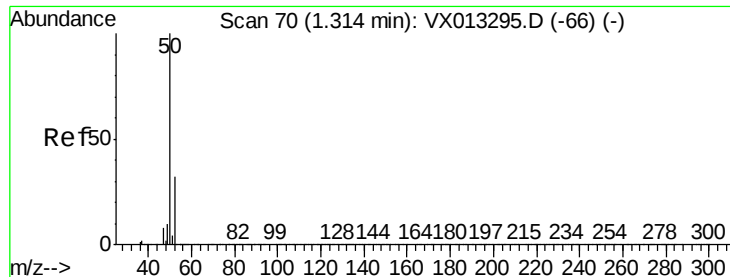
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 44.126 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 327973

Ion Ratio Lower Upper

50 100

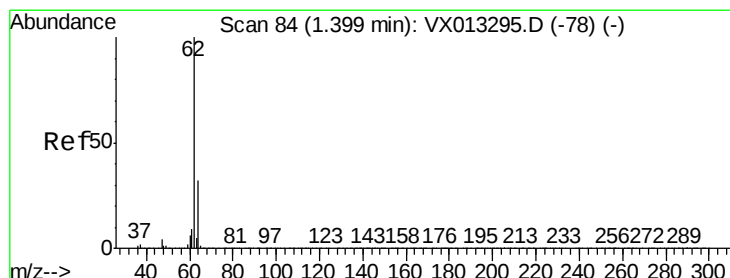
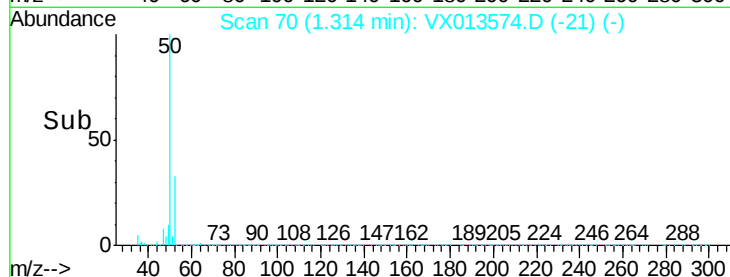
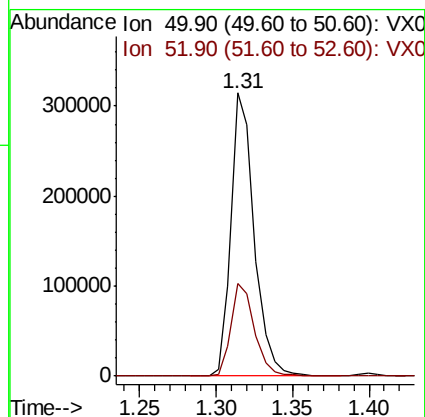
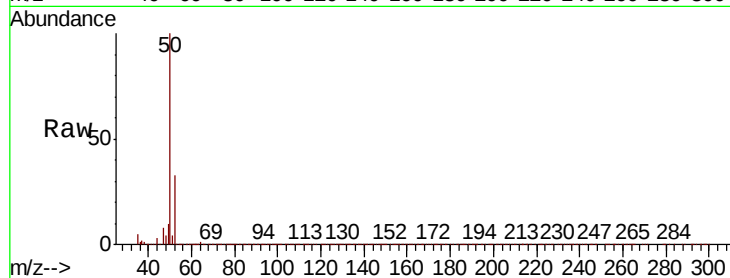
52 32.7 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

11/25/2019 10:39:33 AM



#4

Vinyl Chloride

Concen: 46.545 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013574.D

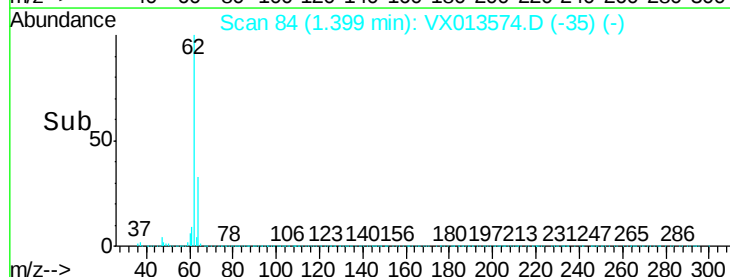
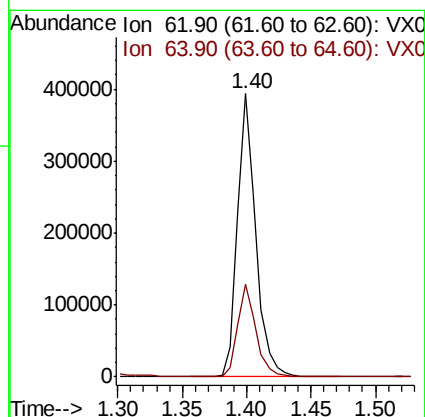
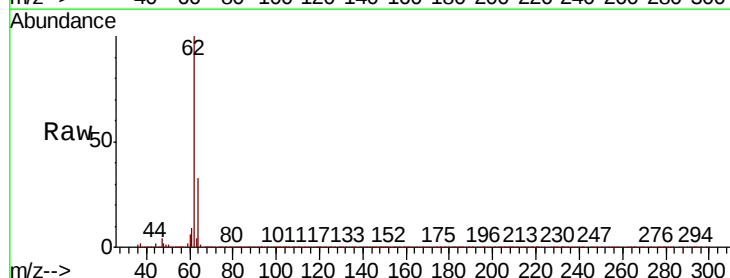
Acq: 23 Nov 2019 07:52

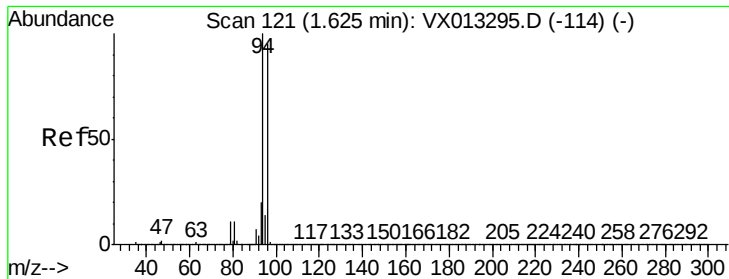
Tgt Ion: 62 Resp: 393854

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4





#5

Bromomethane

Concen: 43.125 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 254296

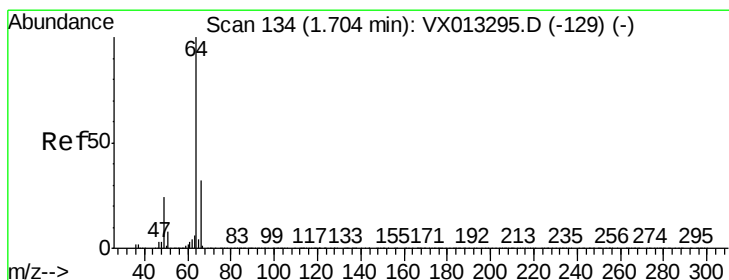
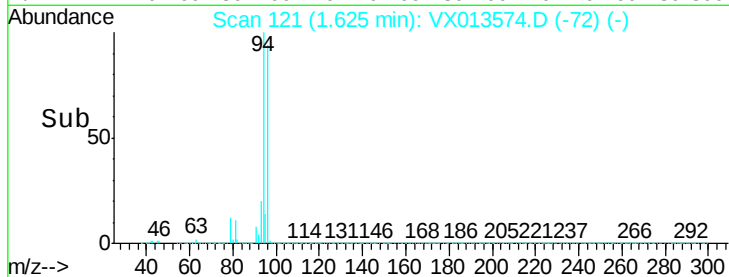
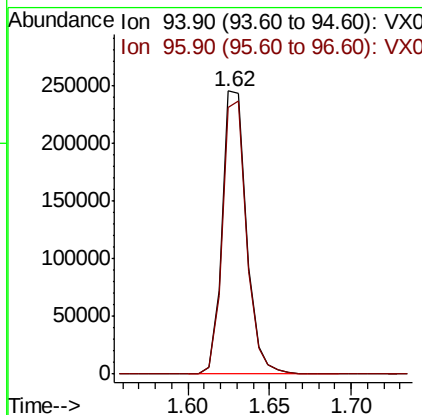
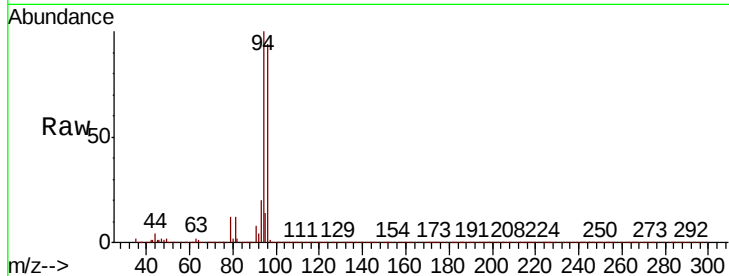
Ion Ratio Lower Upper

94 100

96 94.1 75.8 113.8

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM



#6

Chloroethane

Concen: 46.382 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX013574.D

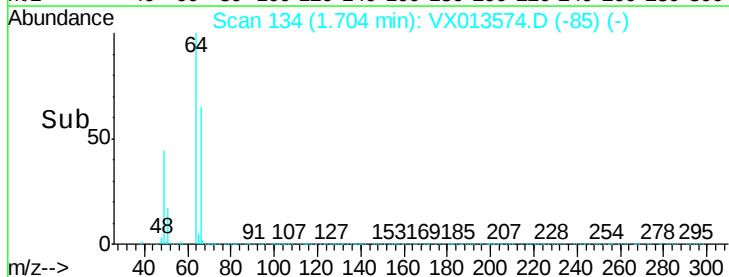
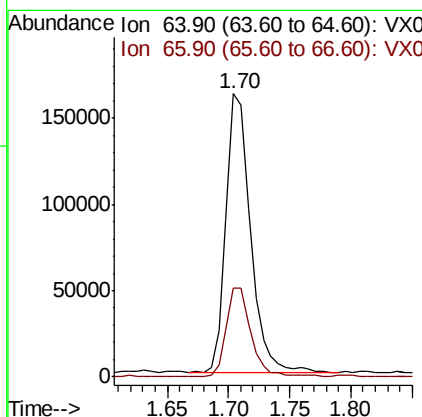
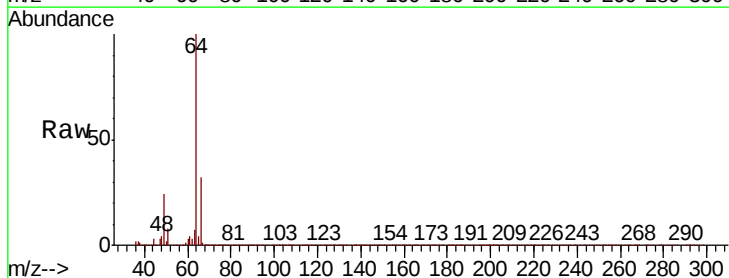
Acq: 23 Nov 2019 07:52

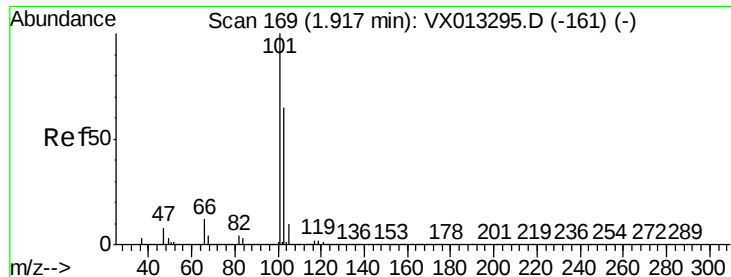
Tgt Ion: 64 Resp: 224767

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4





#7

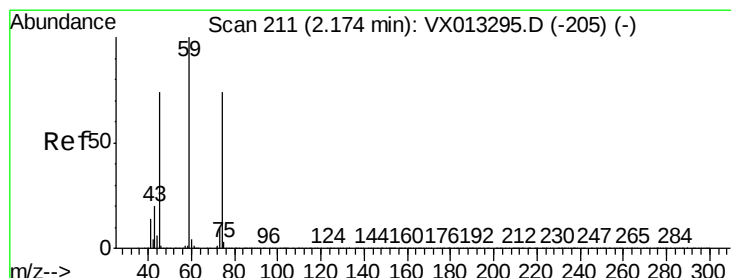
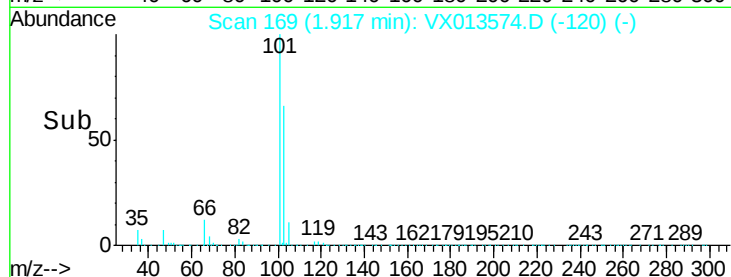
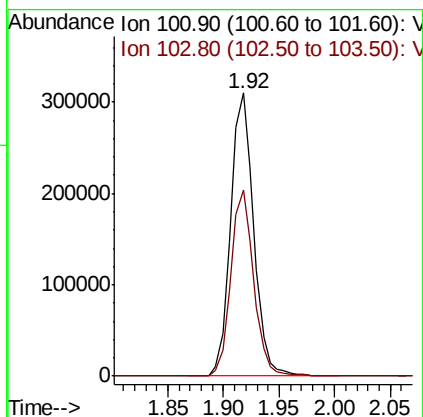
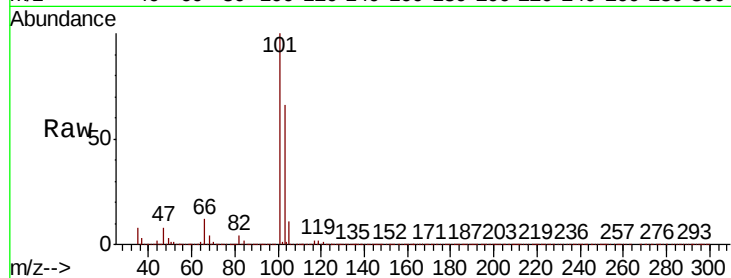
Trichlorofluoromethane
Concen: 44.225 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.3	78.5

Manual Integrations
APPROVED

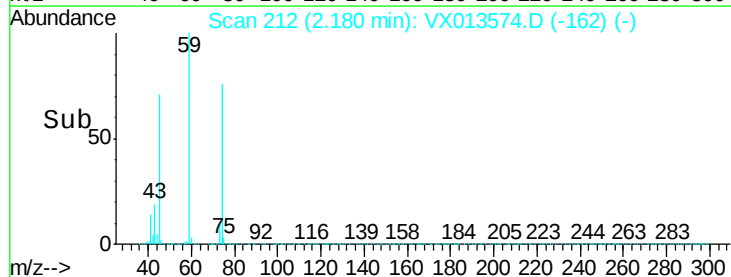
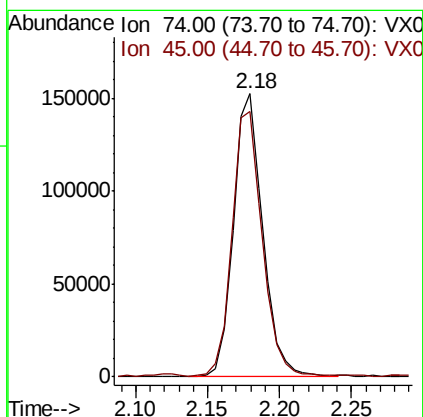
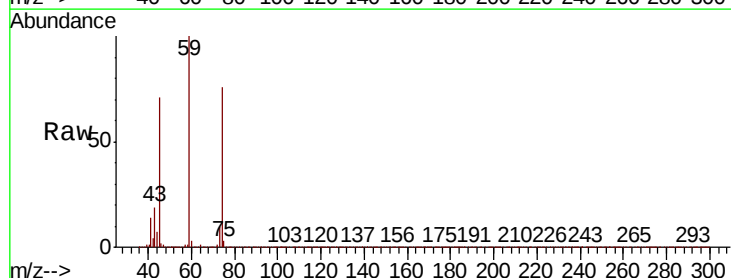
MMDadoda
11/25/2019 10:39:33 AM

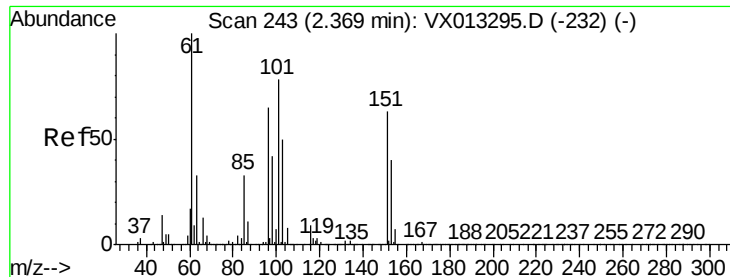


#8

Diethyl Ether
Concen: 48.721 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.591 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

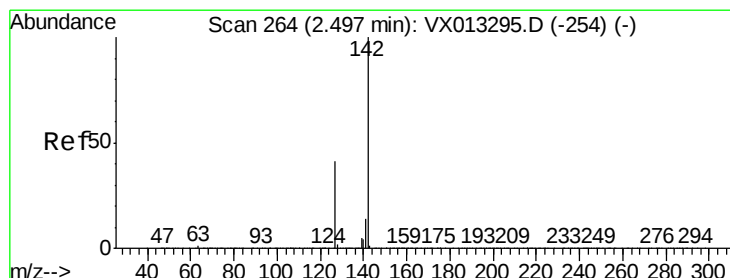
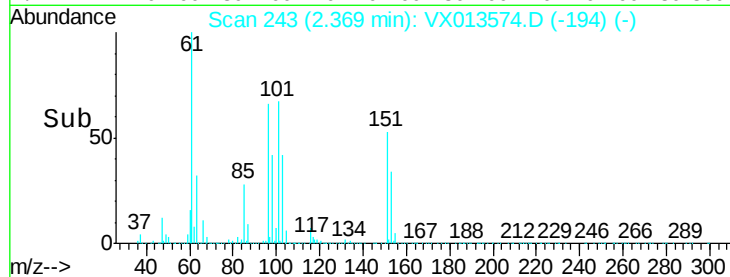
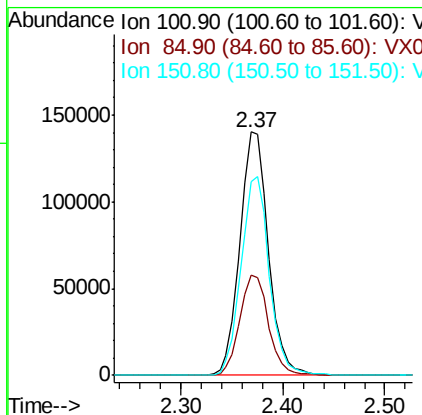
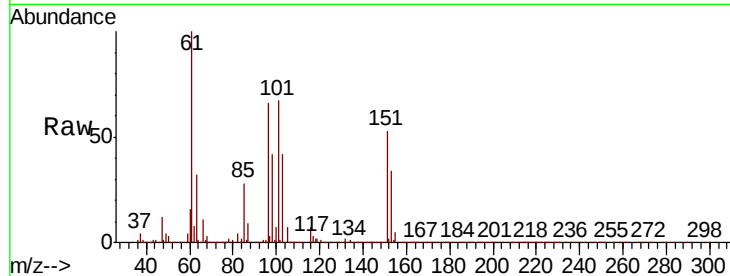
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	270750
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.4	51.6
151	81.2	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM



#10

Methyl Iodide

Concen: 50.402 ug/l

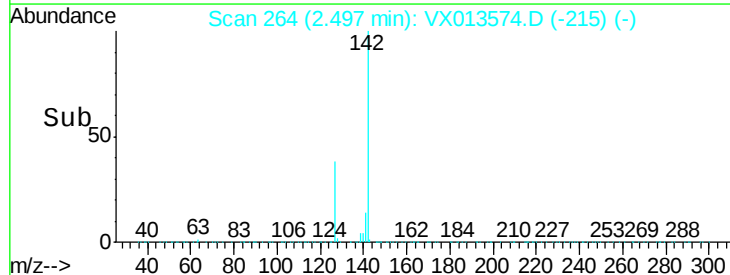
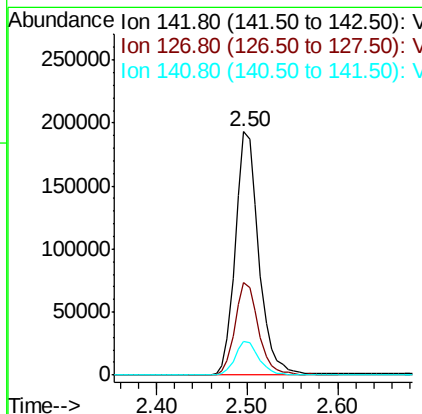
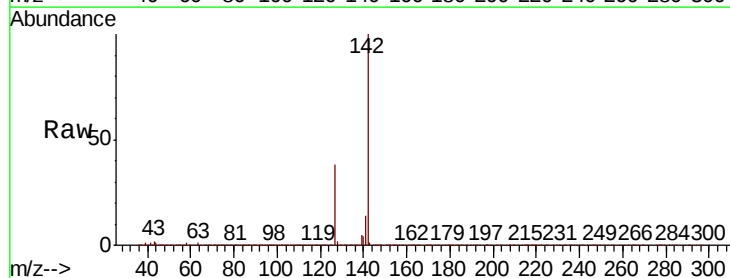
RT: 2.50 min Scan# 264

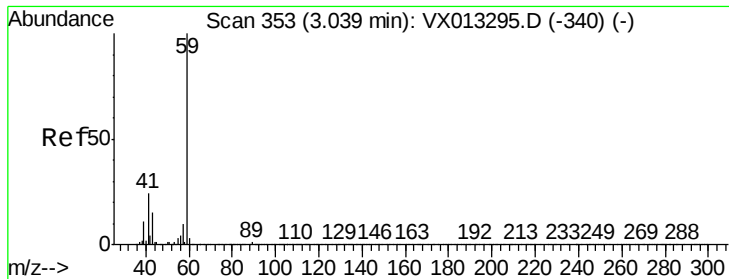
Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion:	142	Resp:	347701
Ion Ratio	Lower	Upper	
142	100		
127	38.2	32.6	49.0
141	14.1	11.6	17.4





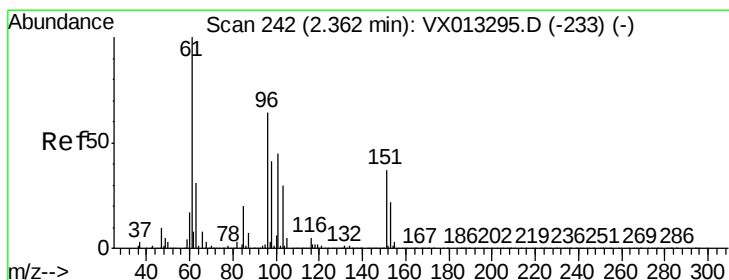
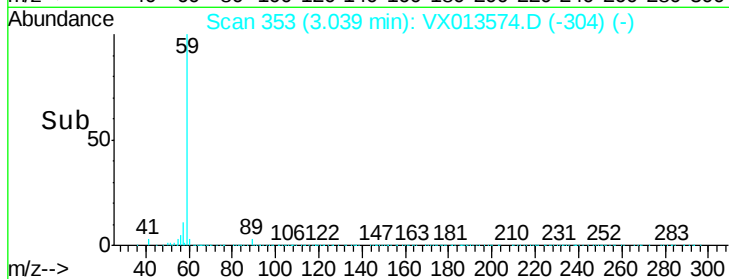
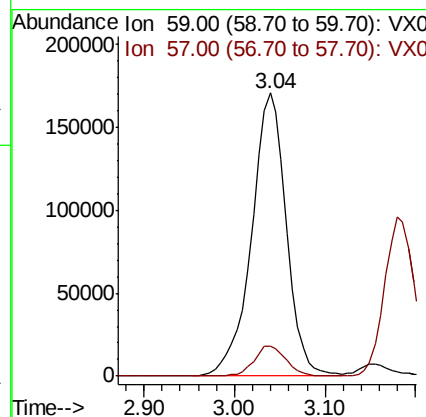
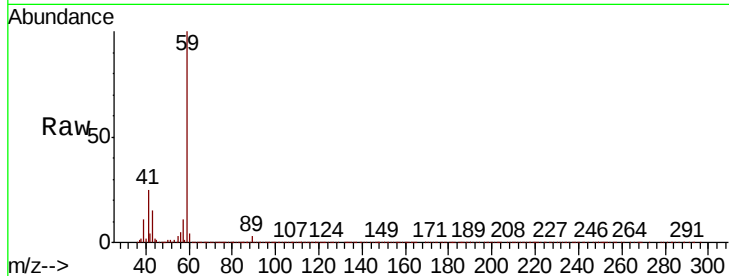
#11
Tert butyl alcohol
Concen: 242.206 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.0	12.0

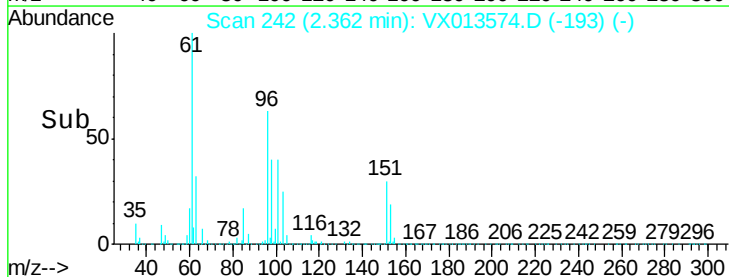
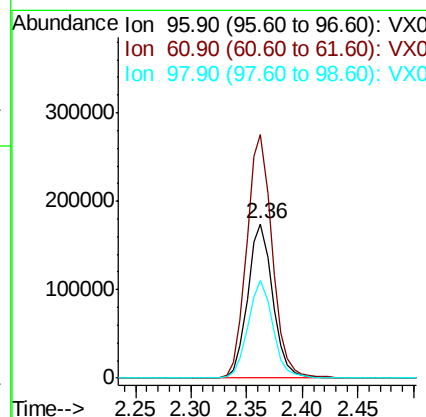
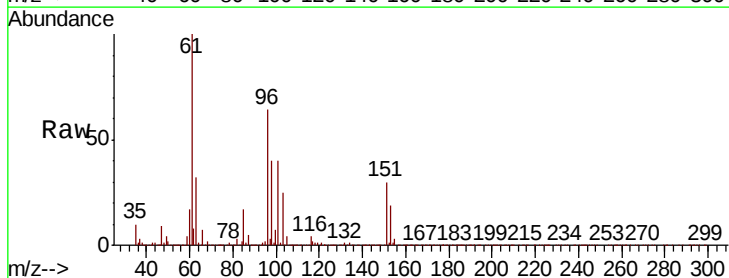
Manual Integrations
APPROVED

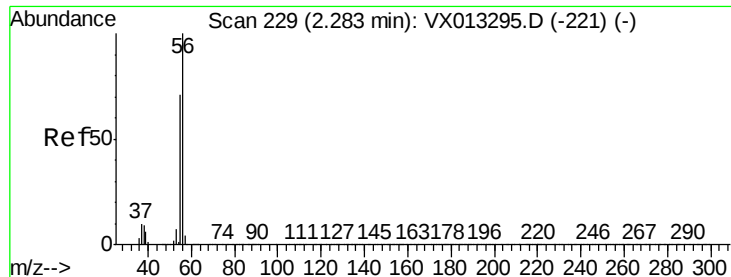
MMDadoda
11/25/2019 10:39:33 AM



#12
1,1-Dichloroethene
Concen: 50.082 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	125.0	187.6
98	63.4	50.7	76.1





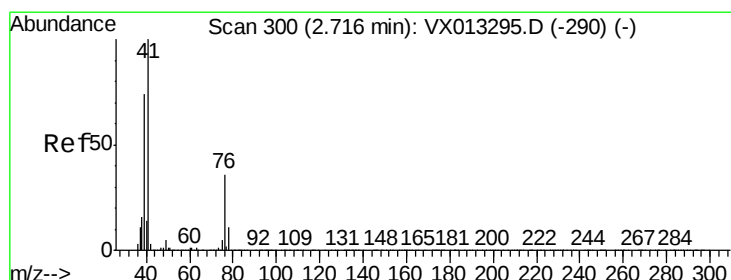
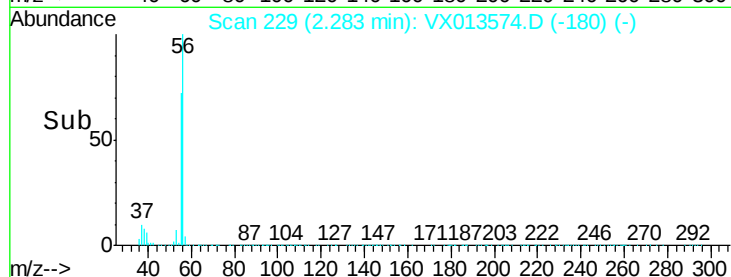
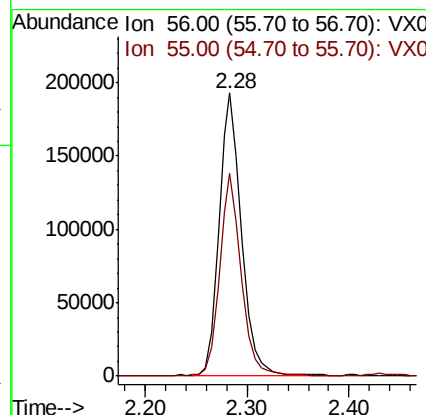
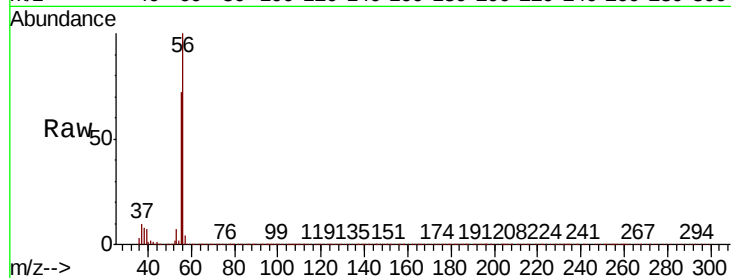
#13
Acrolein
Concen: 292.479 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.8	57.4	86.0

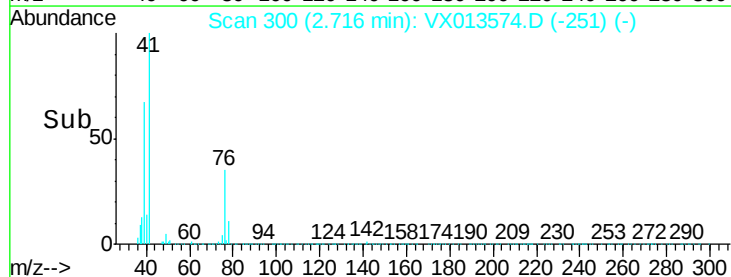
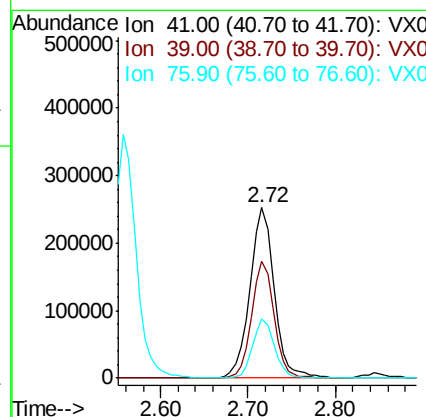
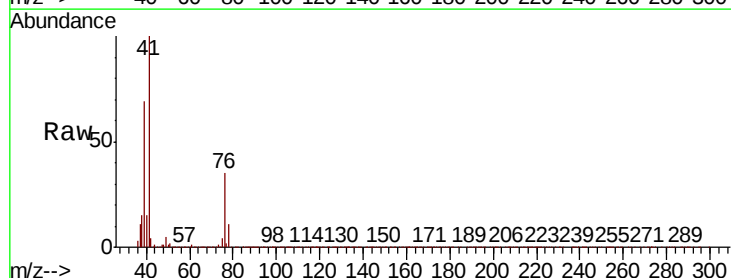
Manual Integrations
APPROVED

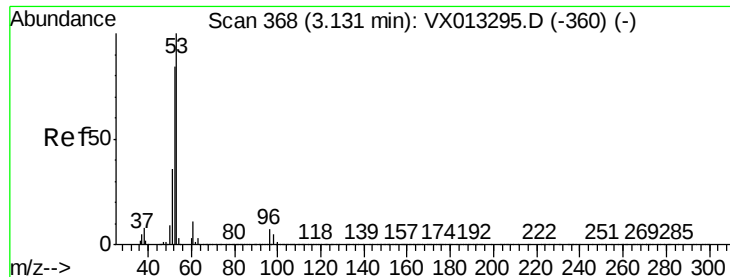
MMDadoda
11/25/2019 10:39:33 AM



#14
Allyl chloride
Concen: 49.240 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.8	55.8	83.8
76	30.9	26.4	39.6





#15

Acrylonitrile

Concen: 278.583 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

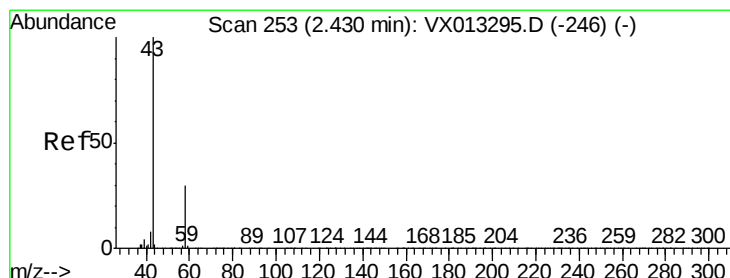
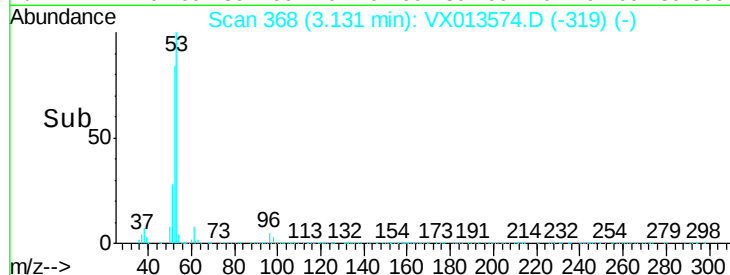
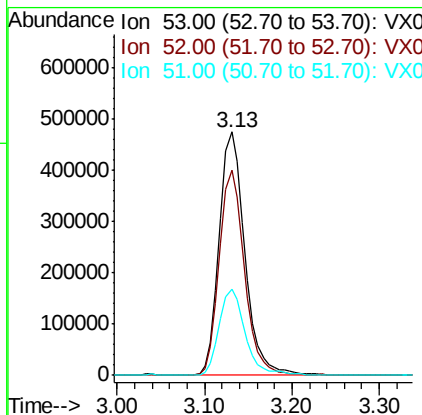
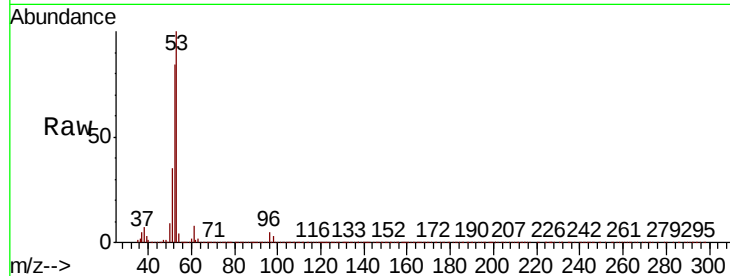
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	966580
Ion Ratio		Lower	Upper
53	100		
52	83.2	67.4	101.0
51	35.9	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM



#16

Acetone

Concen: 276.964 ug/l

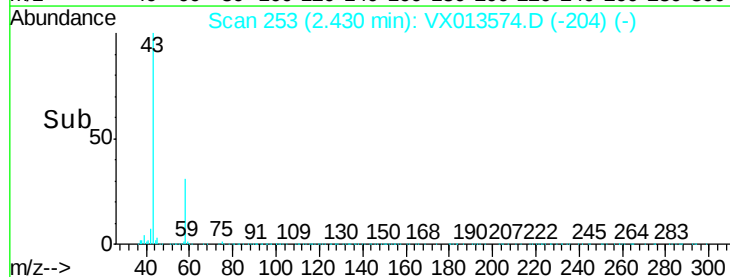
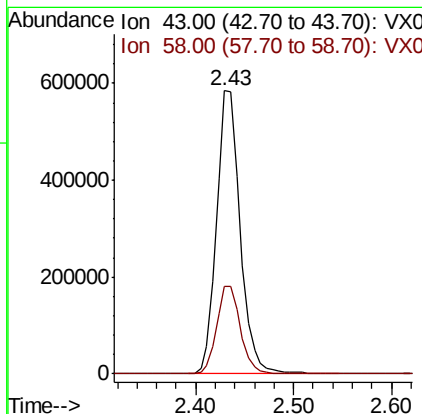
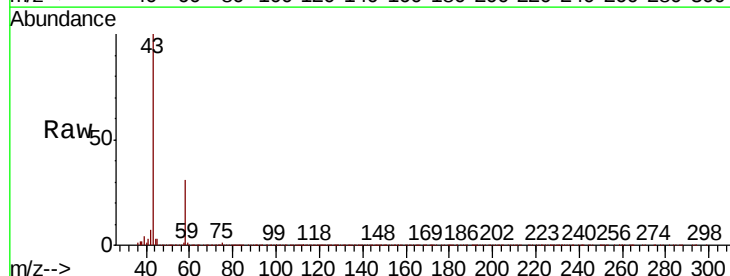
RT: 2.43 min Scan# 253

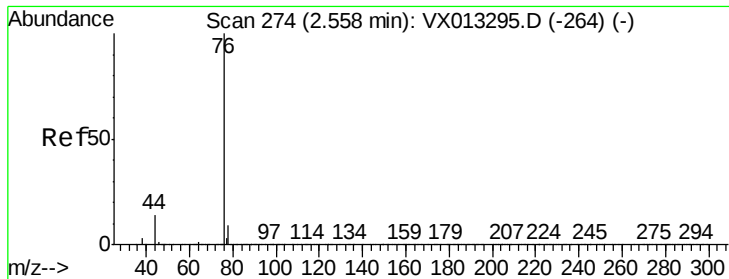
Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion:	43	Resp:	973546
Ion Ratio		Lower	Upper
43	100		
58	30.9	24.3	36.5





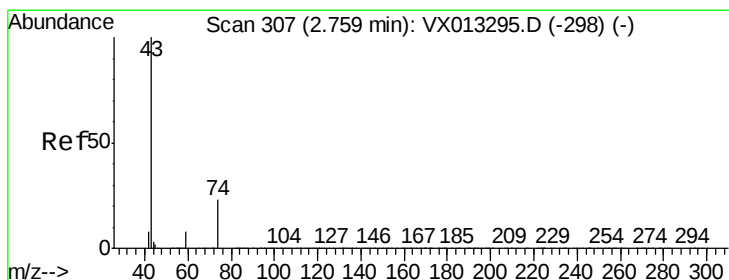
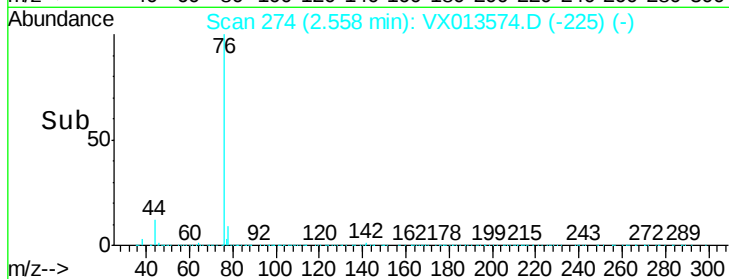
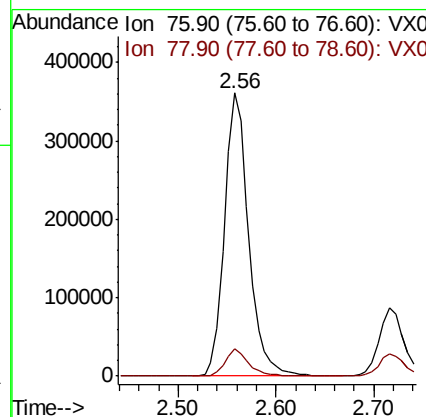
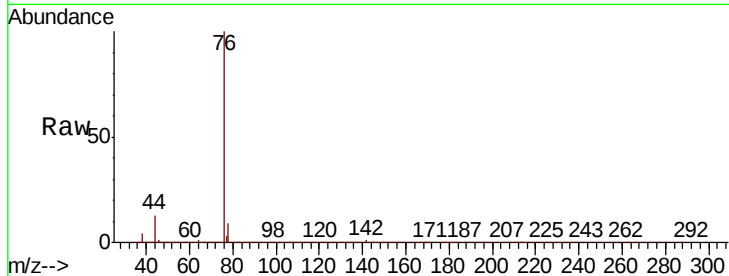
#17
Carbon Disulfide
Concen: 42.190 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

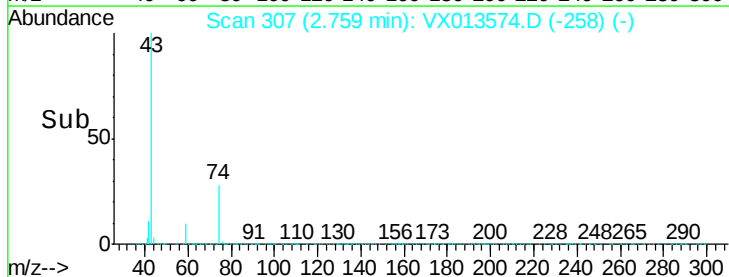
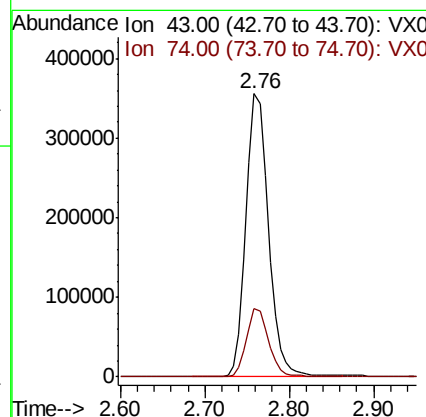
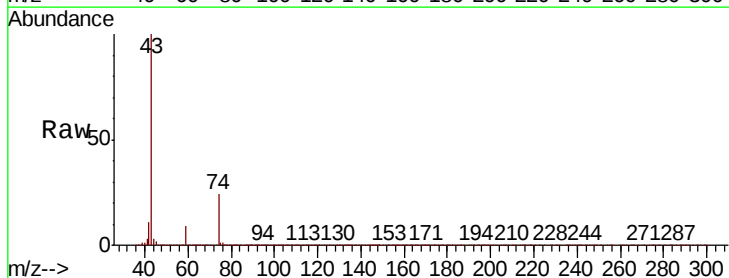
Manual Integrations
APPROVED

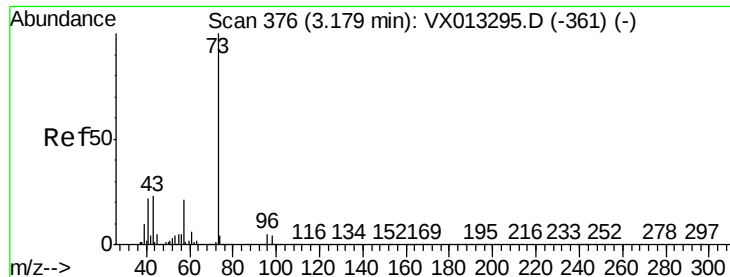
MMDadoda
11/25/2019 10:39:33 AM



#18
Methyl Acetate
Concen: 65.766 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.0	28.6





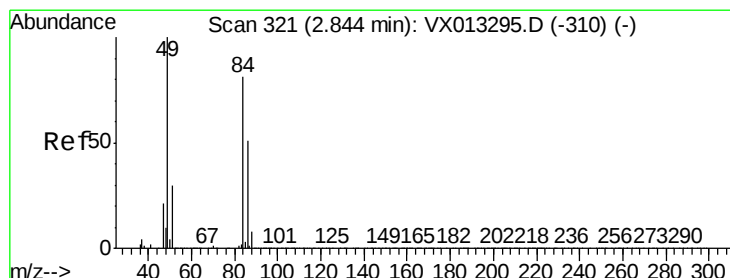
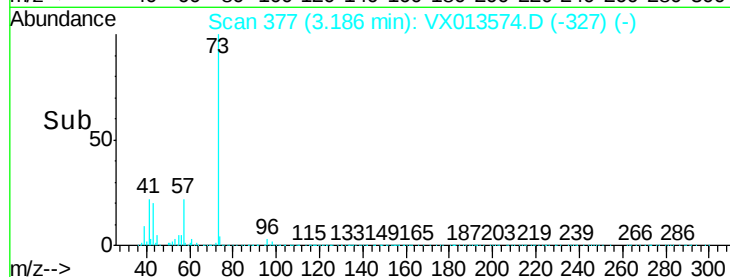
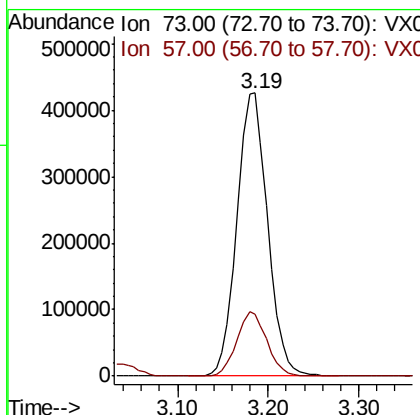
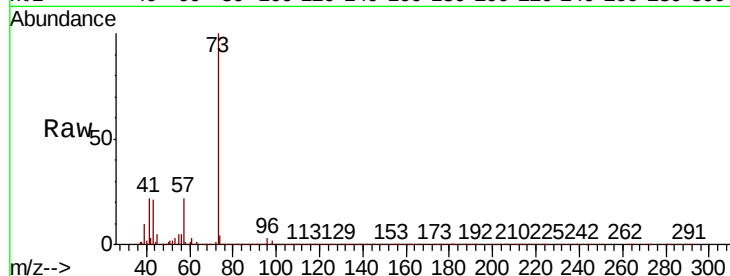
#19
Methvl tert-butvl Ether
Concen: 54.853 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.1	25.7

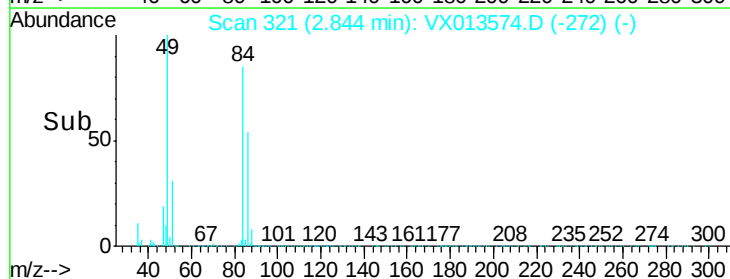
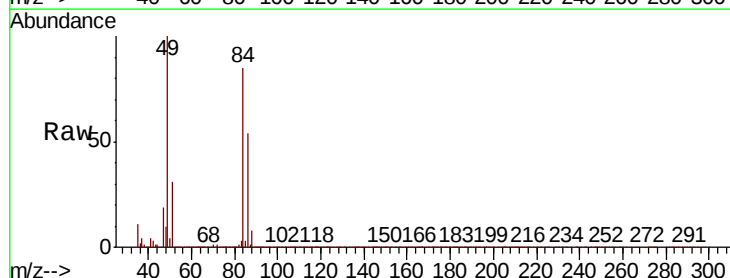
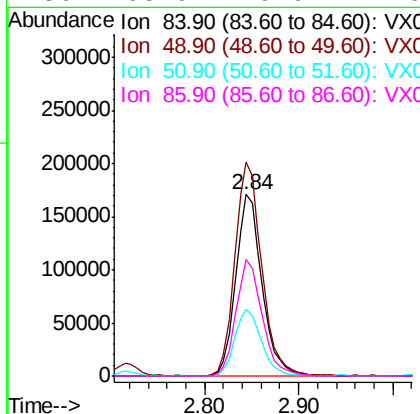
Manual Integrations
APPROVED

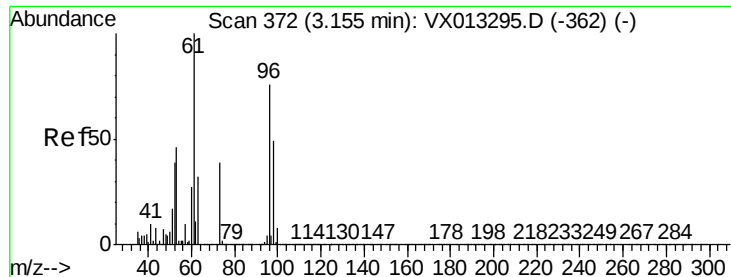
MMDadoda
11/25/2019 10:39:33 AM



#20
Methylene Chloride
Concen: 51.024 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.4	98.2	147.4
51	36.5	29.9	44.9
86	63.9	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 49.924 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 296605

Ion Ratio Lower Upper

96 100

61 132.3 105.8 158.6

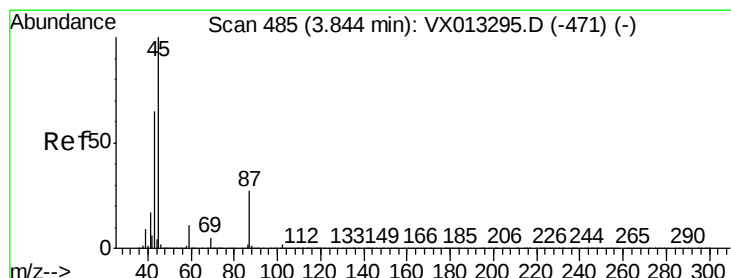
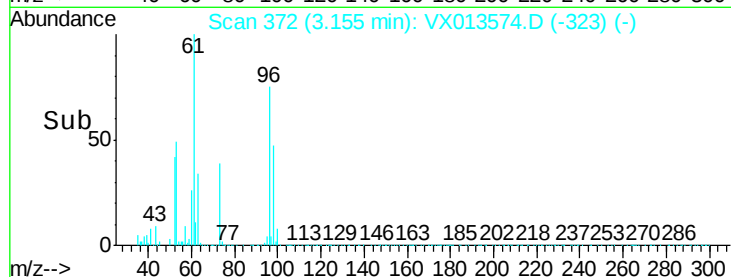
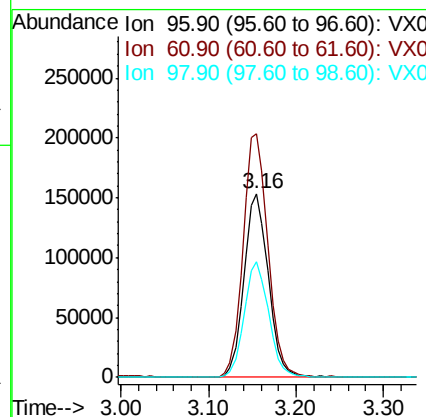
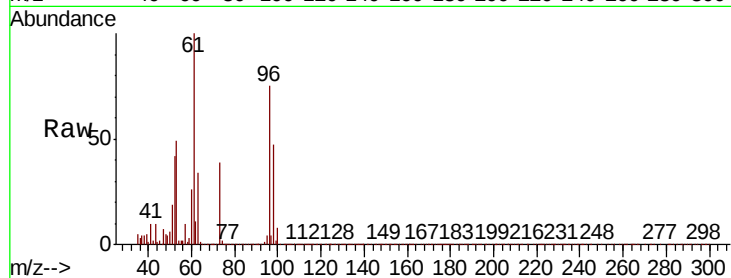
98 62.6 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

11/25/2019 10:39:33 AM



#22

Diisopropyl ether

Concen: 54.205 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion: 45 Resp: 1037504

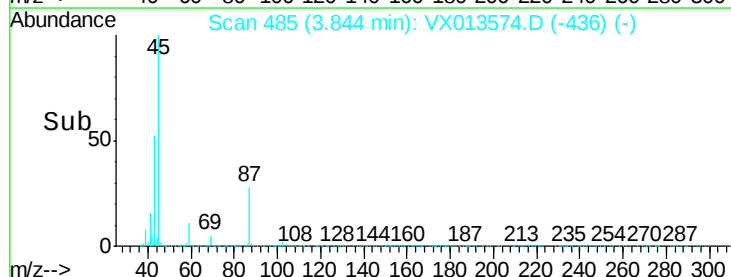
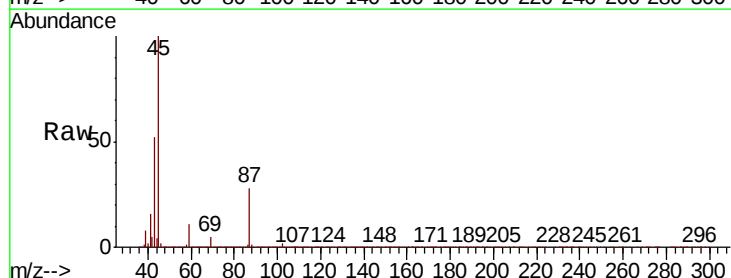
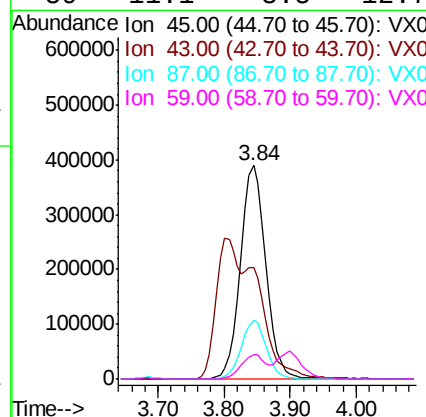
Ion Ratio Lower Upper

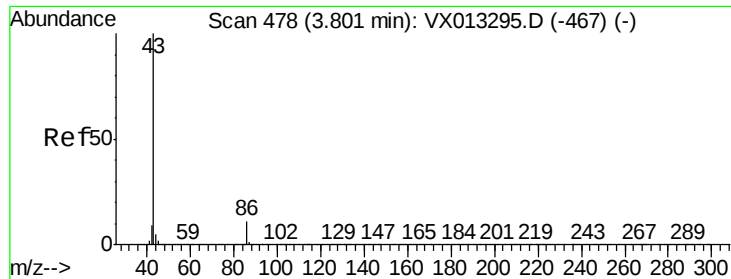
45 100

43 51.7 54.2 81.2#

87 27.5 21.8 32.8

59 11.1 8.5 12.7





#23

Vinyl Acetate

Concen: 68.010 ug/l m

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tot Ion: 43 Resp: 1113902

Ion Ratio Lower Upper

43 100

86 10.0 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

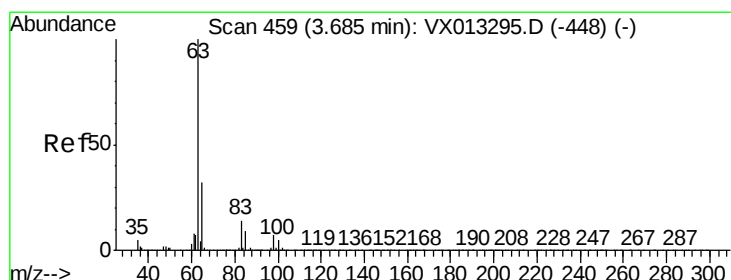
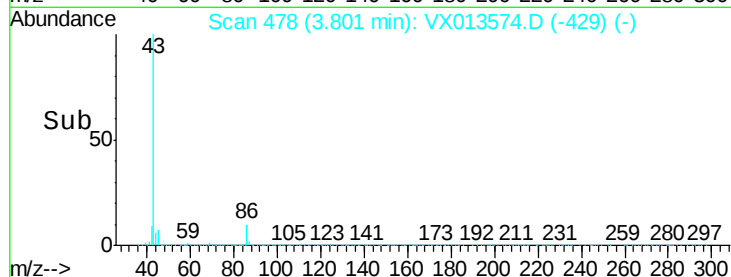
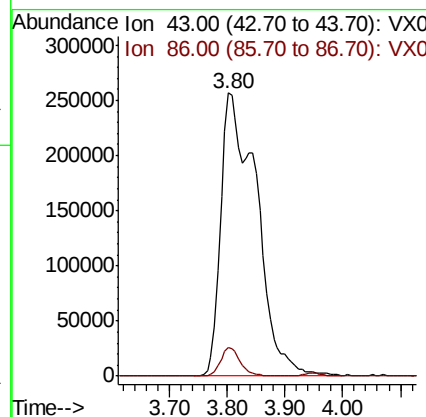
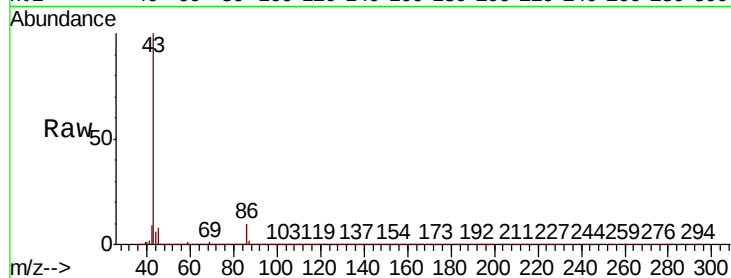
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

11/25/2019 10:39:33 AM



#24

1,1-Dichloroethane

Concen: 52.940 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

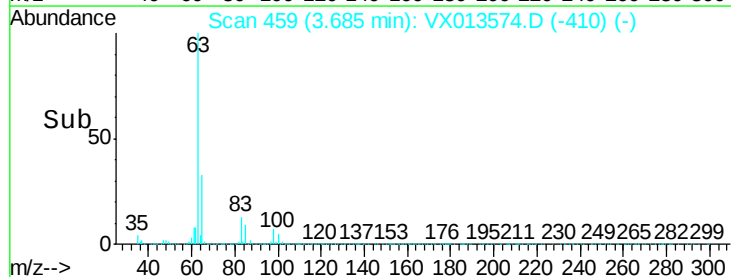
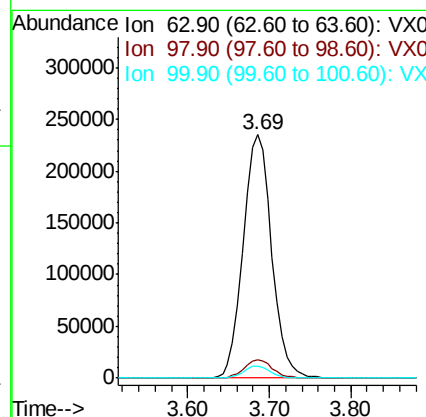
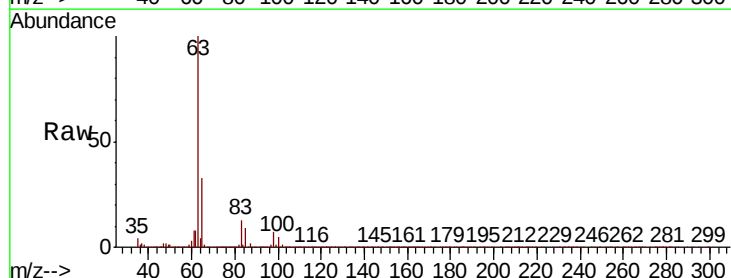
Tgt Ion: 63 Resp: 566847

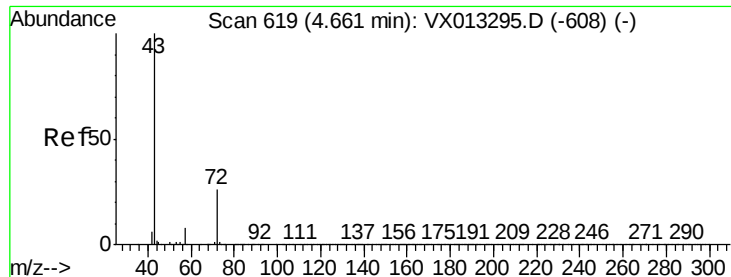
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 280.954 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1448784

Ion Ratio Lower Upper

43 100

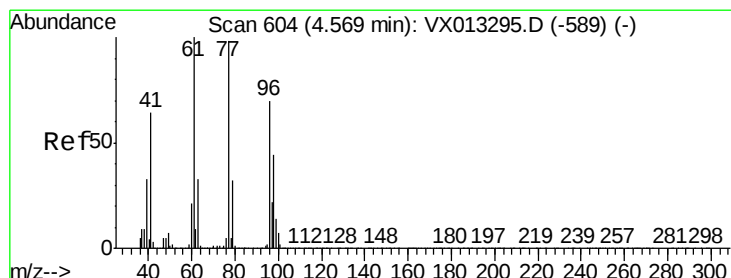
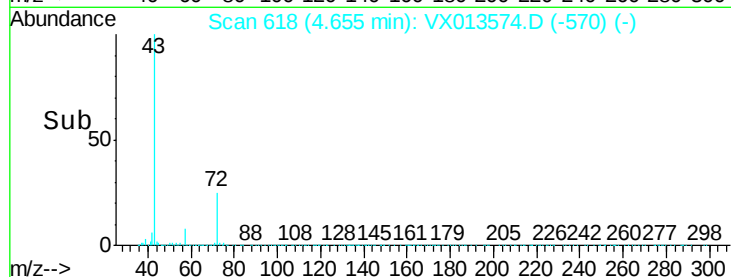
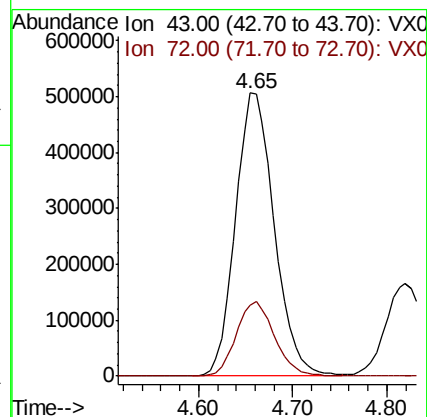
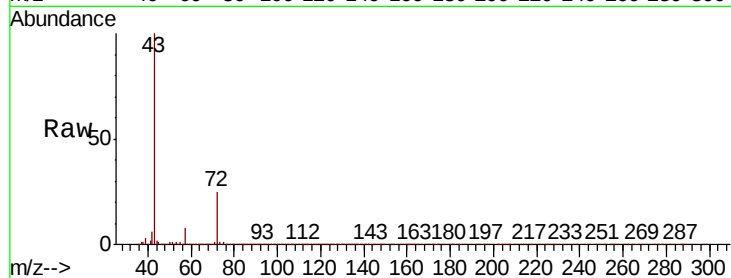
72 24.9 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

11/25/2019 10:39:33 AM



#26

2,2-Dichloropropane

Concen: 32.703 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013574.D

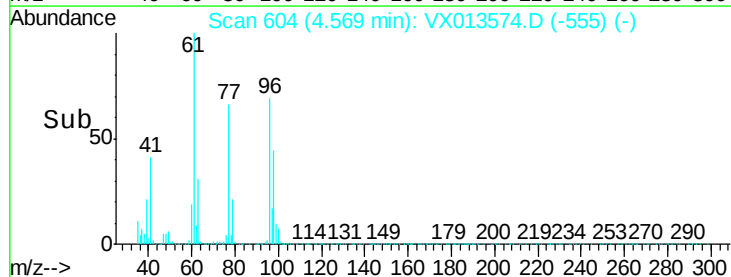
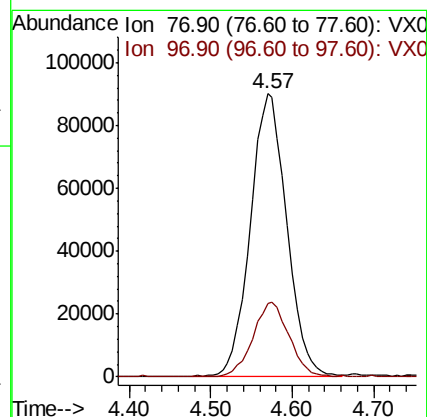
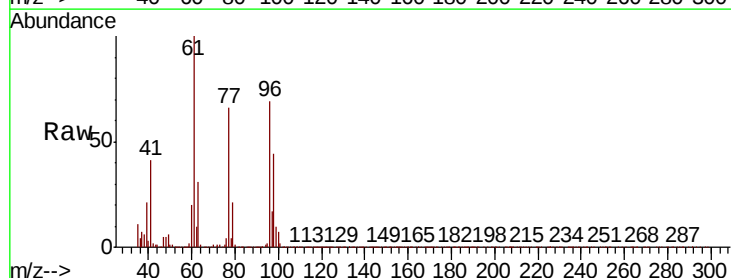
Acq: 23 Nov 2019 07:52

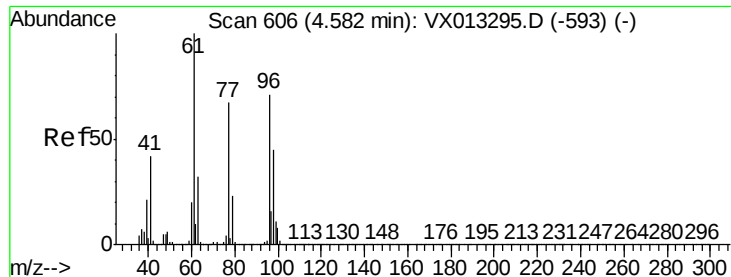
Tgt Ion: 77 Resp: 278560

Ion Ratio Lower Upper

77 100

97 26.0 11.3 33.8





#27

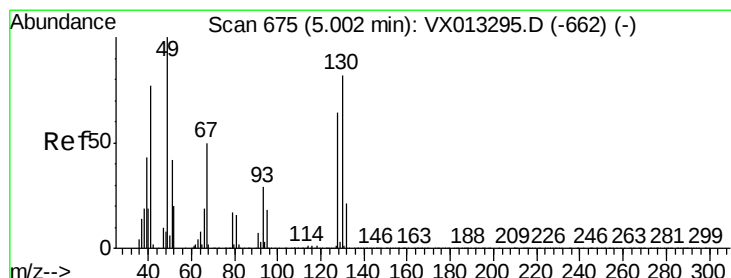
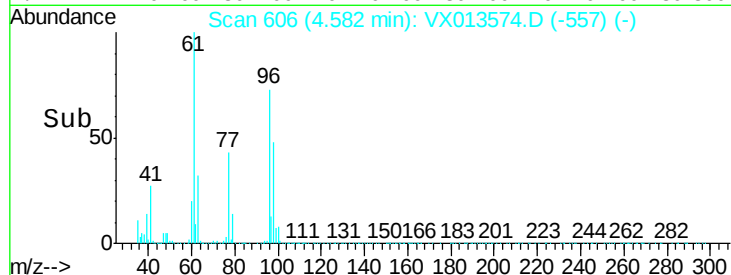
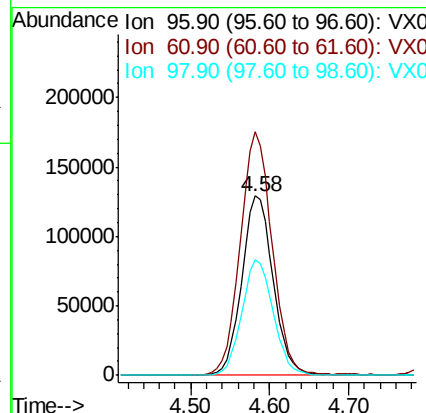
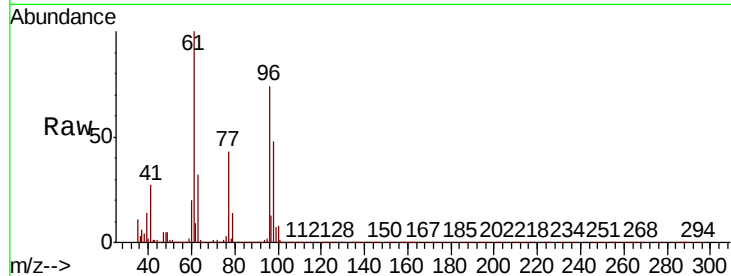
cis-1,2-Dichloroethene
Concen: 53.283 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	288.0
98	64.6	0.0	129.6

Manual Integrations
APPROVED

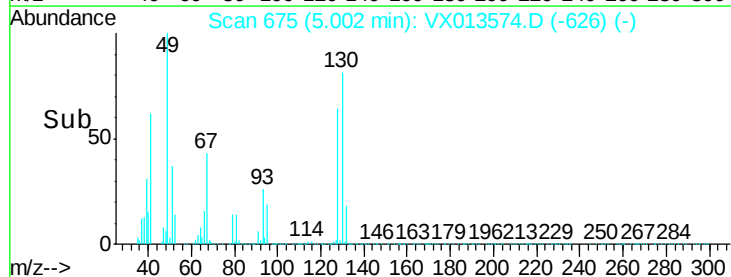
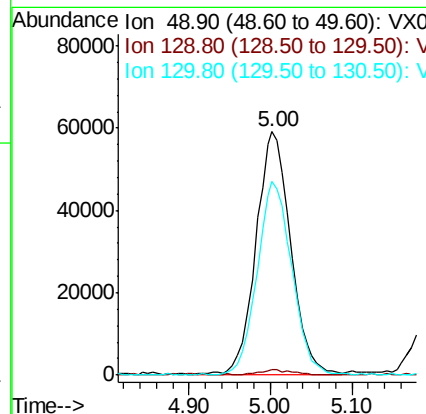
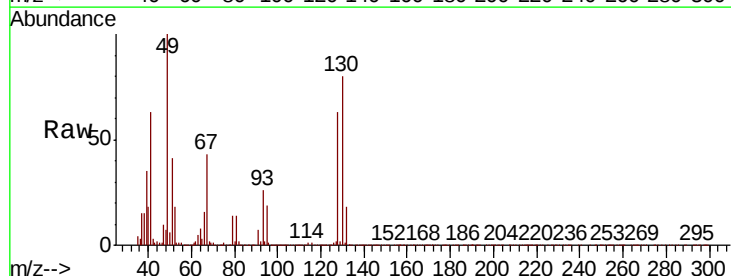
MMDadoda
11/25/2019 10:39:33 AM

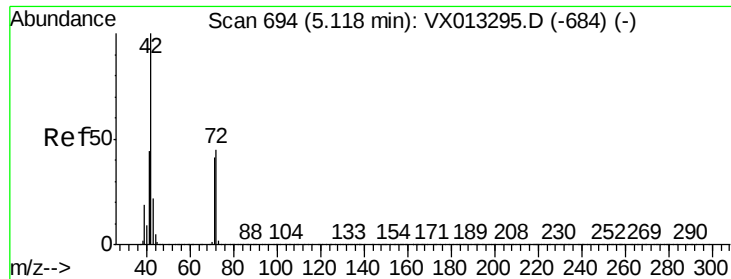


#28

Bromochloromethane
Concen: 57.843 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.2
130	79.0	63.8	95.6





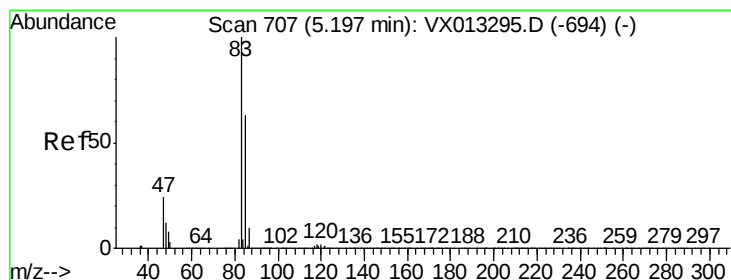
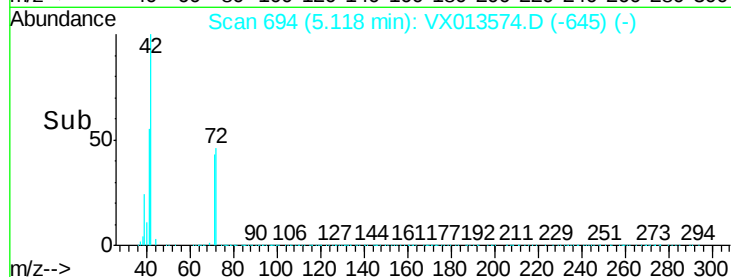
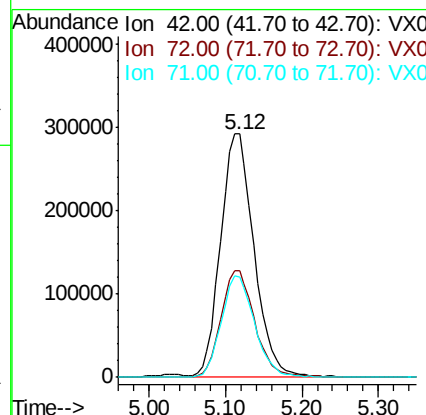
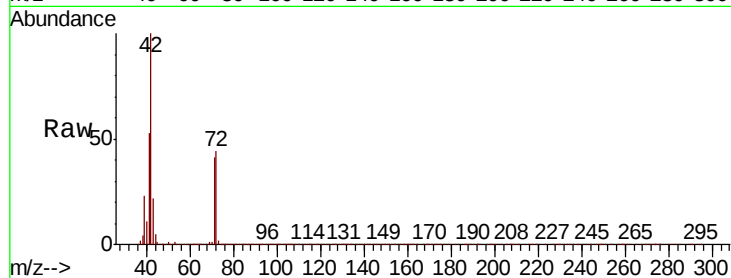
#29
Tetrahydrofuran
Concen: 275.795 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.8	53.8
71	41.8	33.4	50.0

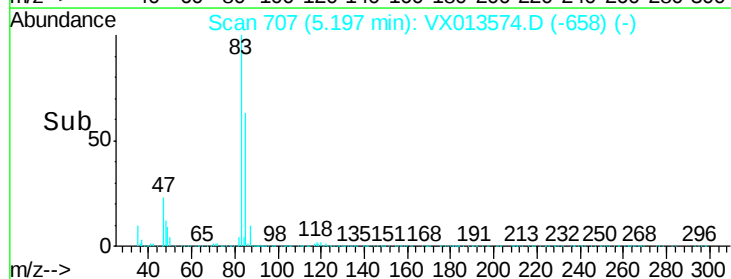
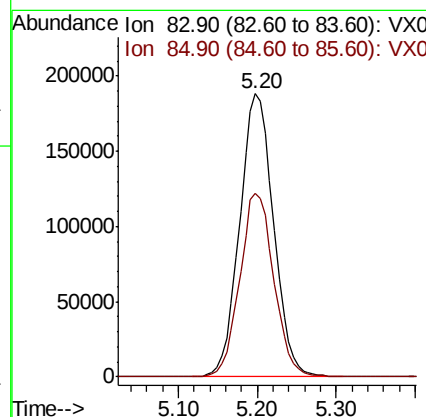
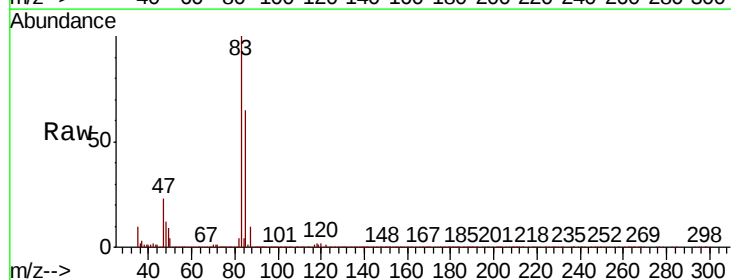
Manual Integrations
APPROVED

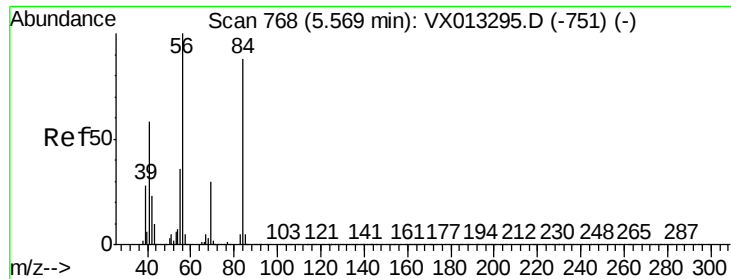
MMDadoda
11/25/2019 10:39:33 AM



#30
Chloroform
Concen: 53.012 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.4





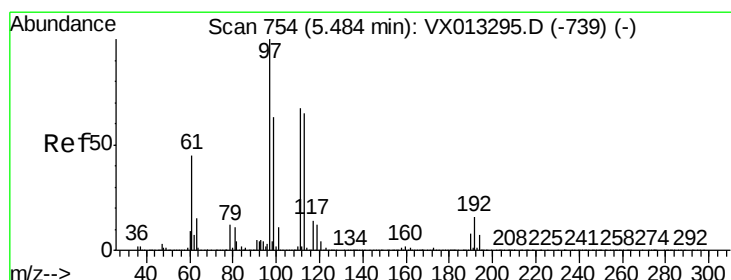
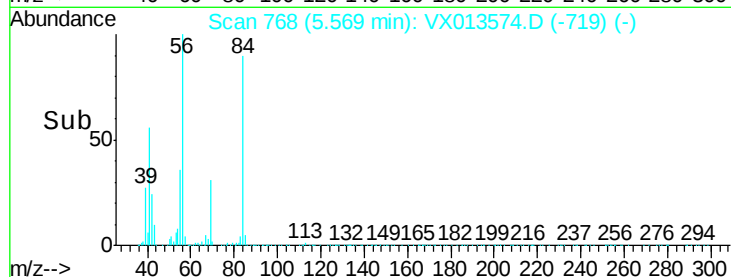
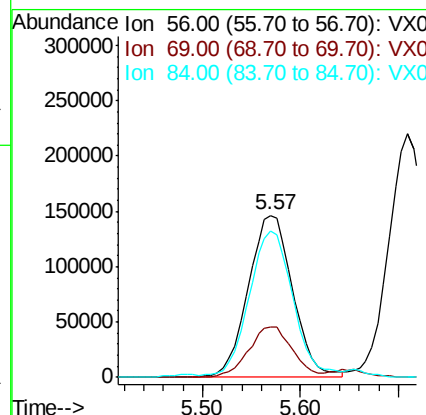
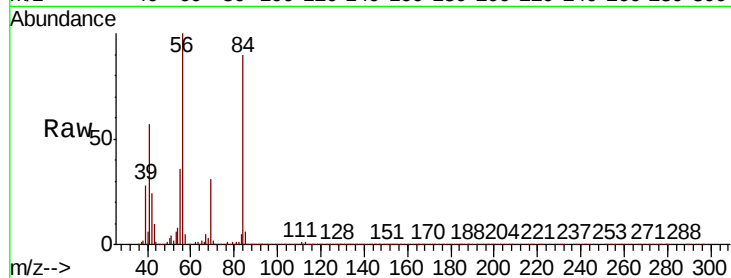
#31
Cyclohexane
Concen: 47.629 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.7	35.5
84	88.9	70.6	105.8

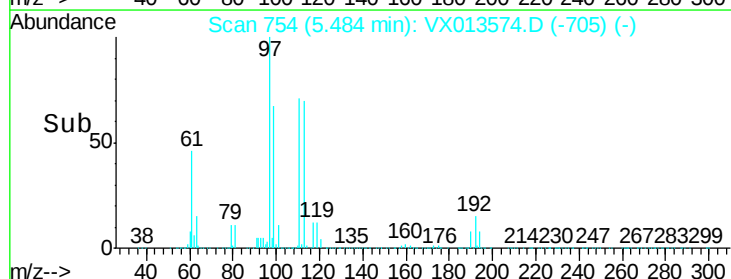
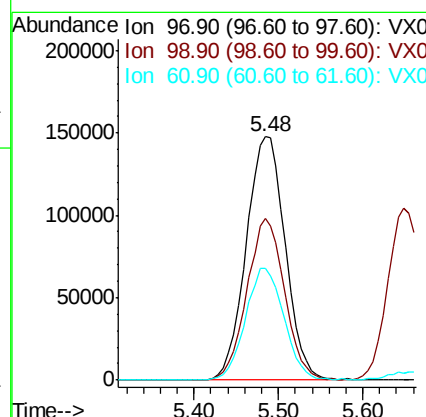
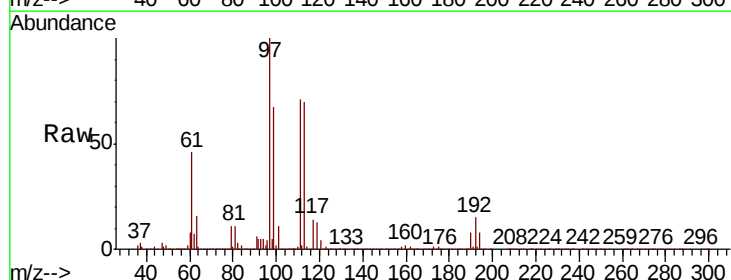
Manual Integrations
APPROVED

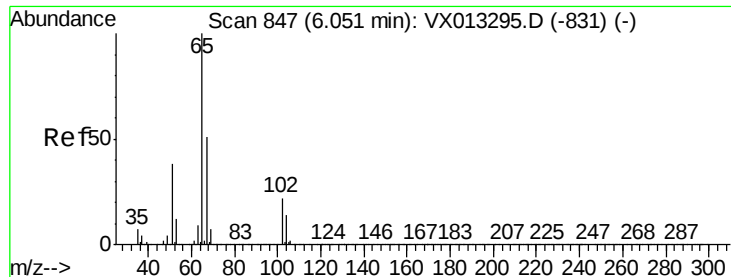
MMDadoda
11/25/2019 10:39:33 AM



#32
1,1,1-Trichloroethane
Concen: 51.030 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	45.2	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 53.483 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 376905

Ion Ratio Lower Upper

65 100

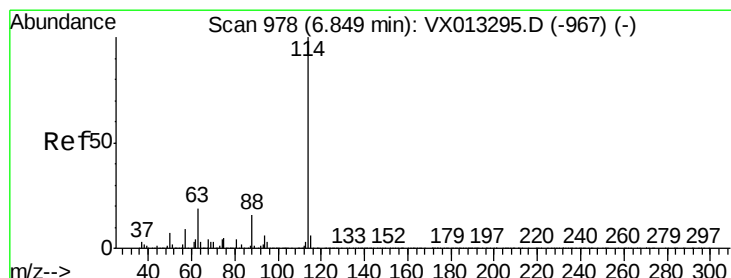
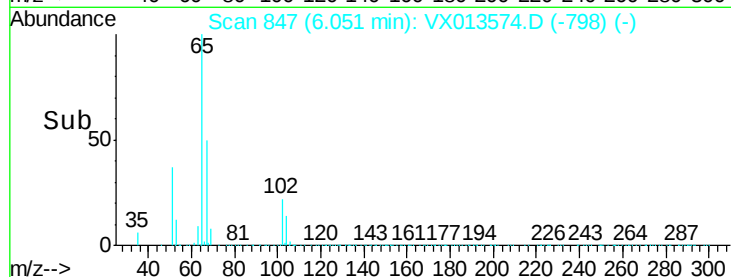
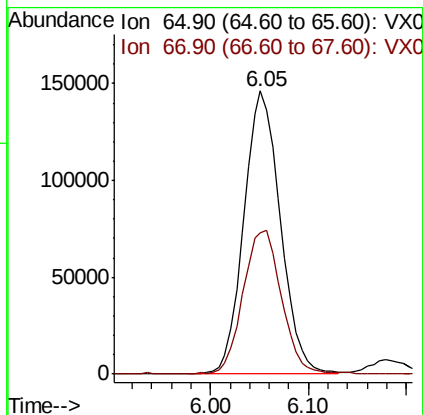
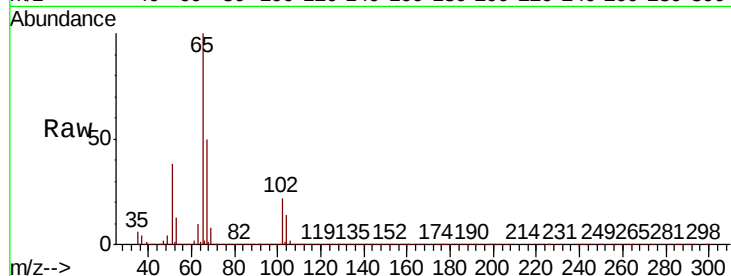
67 53.3 0.0 104.2

Manual Integrations

APPROVED

MMDadoda

11/25/2019 10:39:33 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

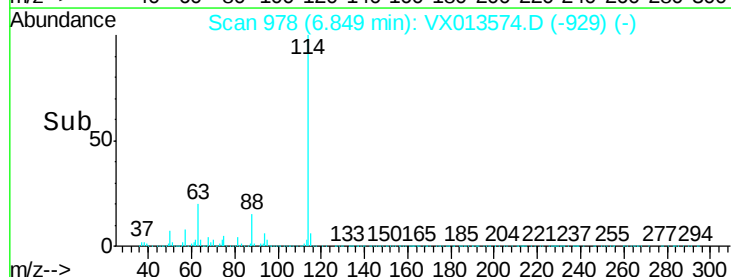
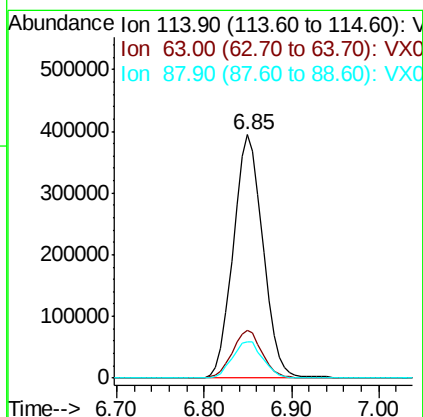
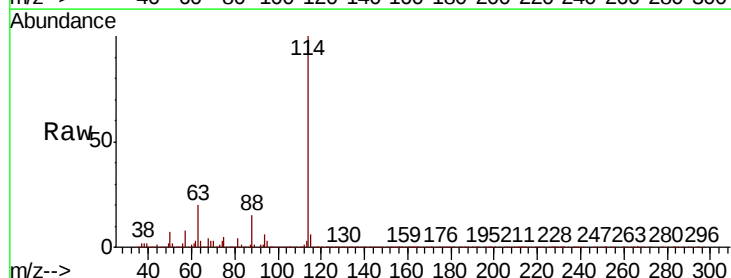
Tgt Ion: 114 Resp: 931758

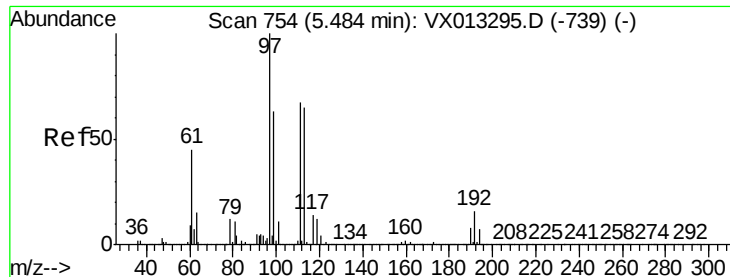
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 15.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.257 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

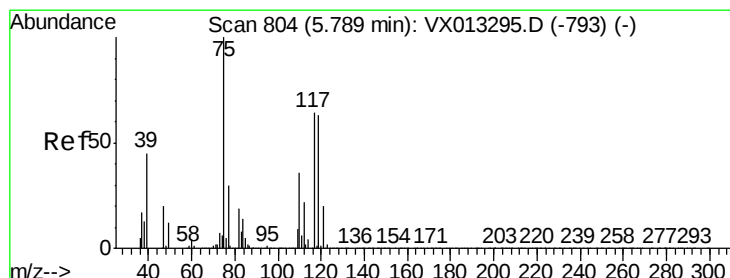
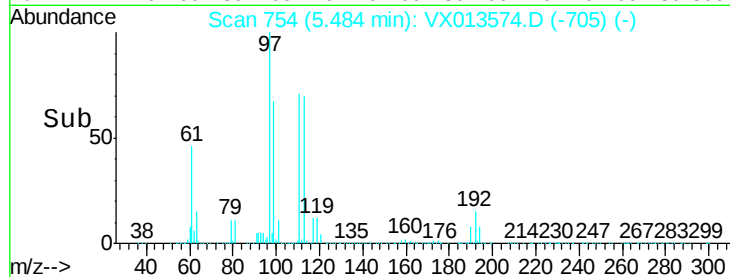
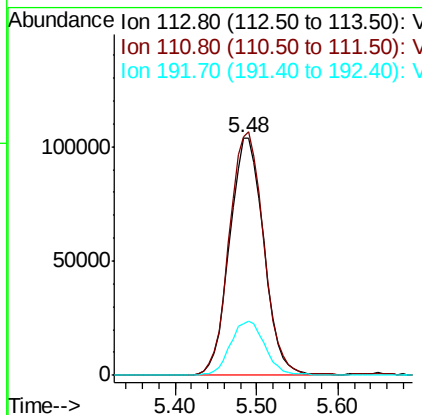
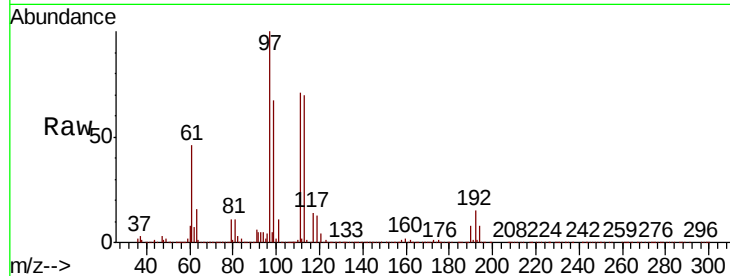
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	299550
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.9	122.9
192	23.4	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM



#36

1,1-Dichloropropene

Concen: 49.778 ug/l

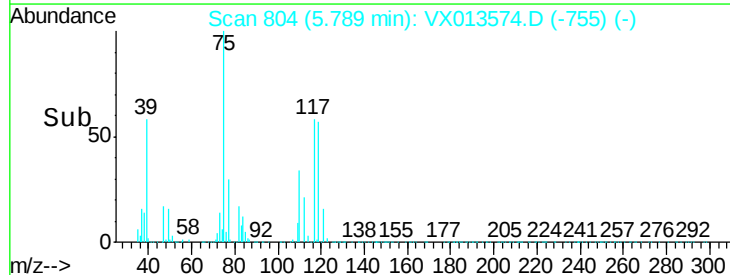
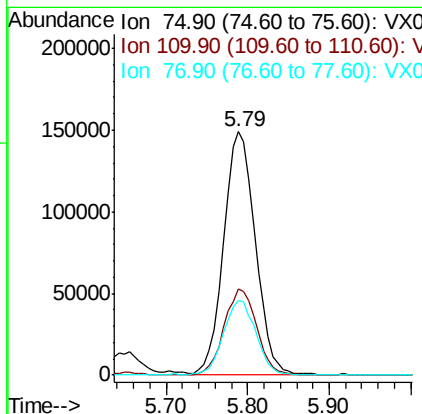
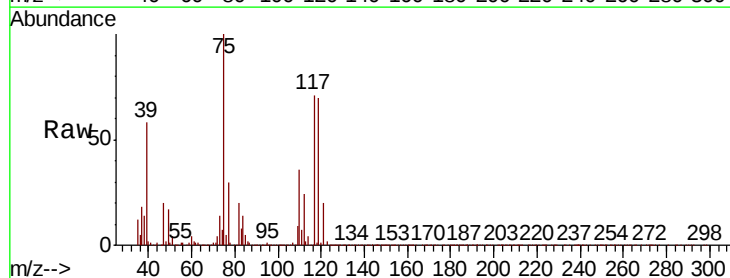
RT: 5.79 min Scan# 804

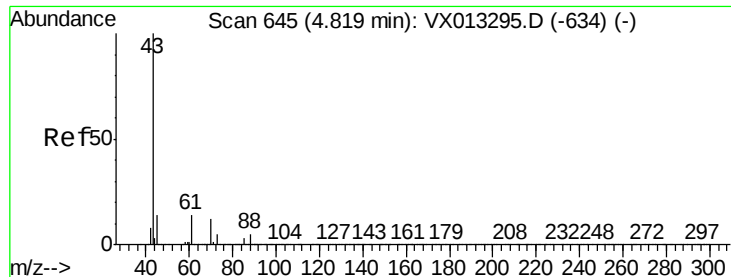
Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion:	75	Resp:	397890
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.1	54.1
77	31.3	25.0	37.4





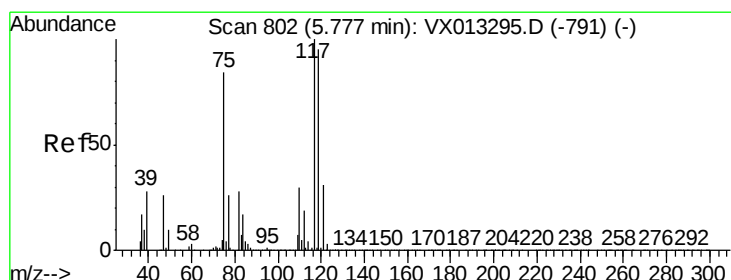
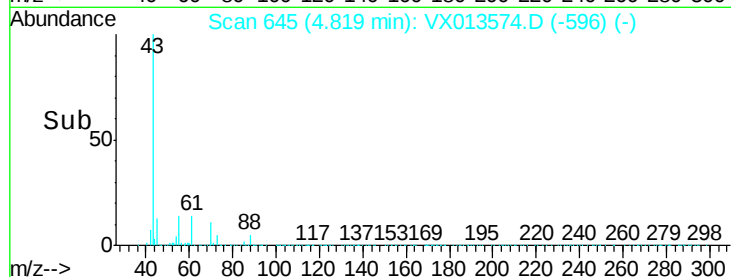
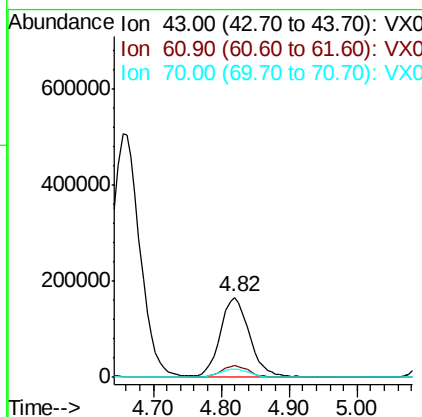
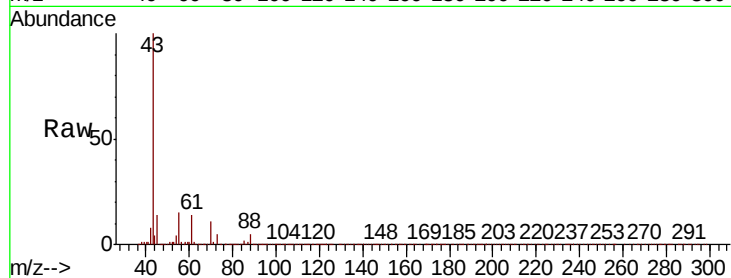
#37
Ethyl Acetate
Concen: 49.799 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	10.8	8.7	13.1

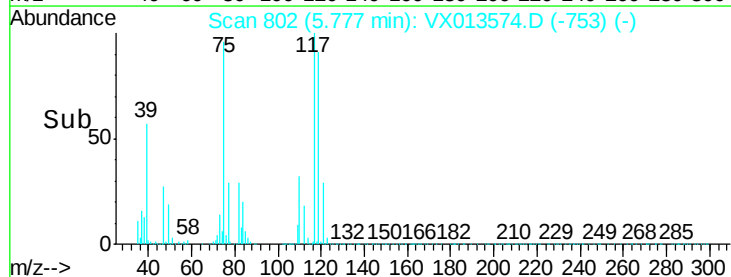
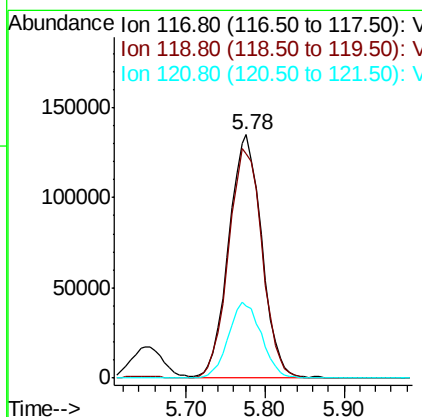
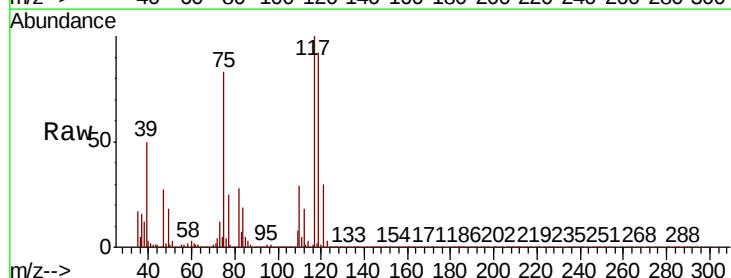
Manual Integrations
APPROVED

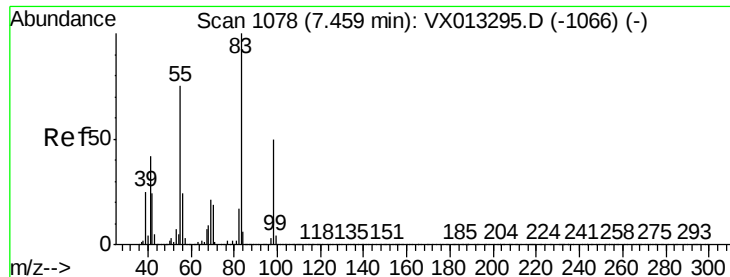
MMDadoda
11/25/2019 10:39:33 AM



#38
Carbon Tetrachloride
Concen: 50.158 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.1	114.1
121	29.5	24.6	37.0





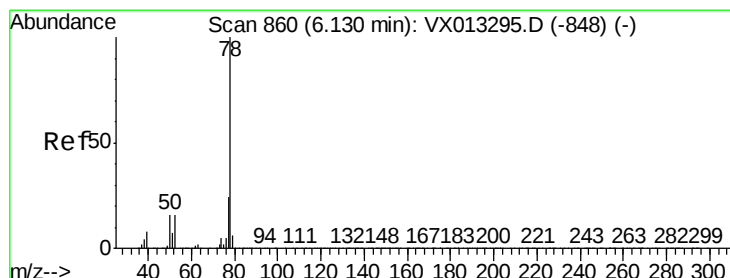
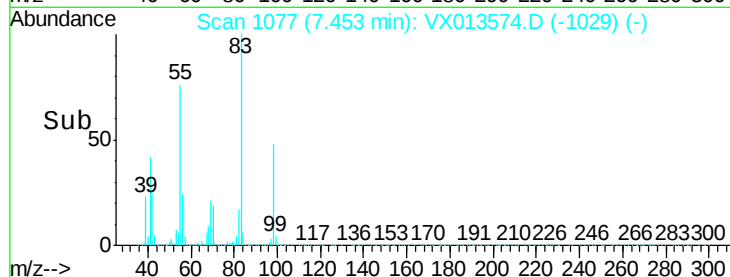
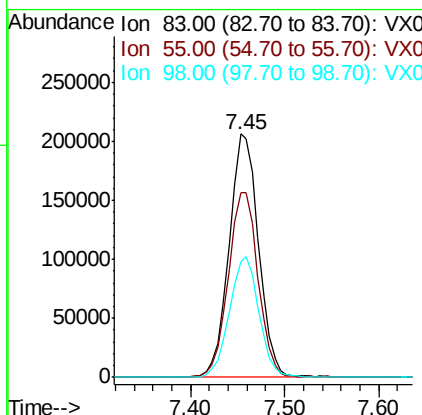
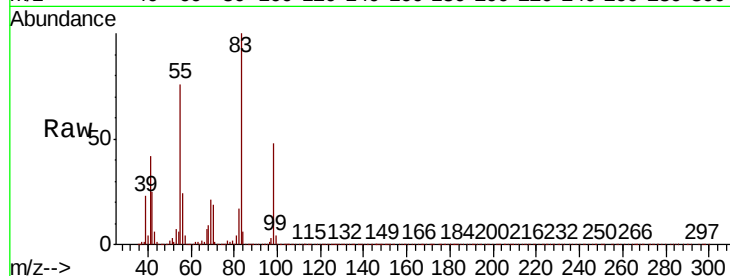
#39
Methvlcvclohexane
Concen: 44.853 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.3	90.5
98	47.6	40.3	60.5

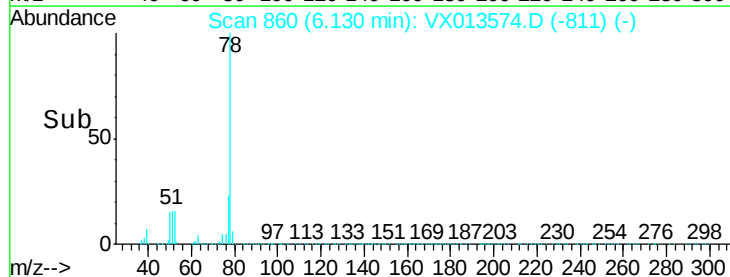
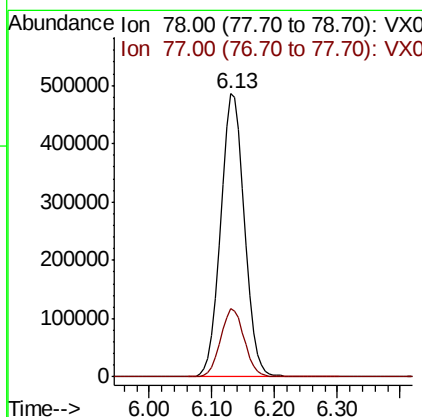
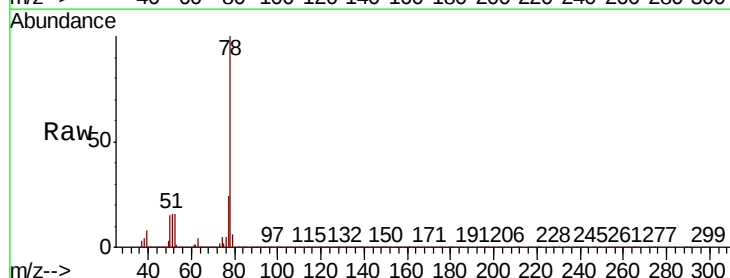
Manual Integrations
APPROVED

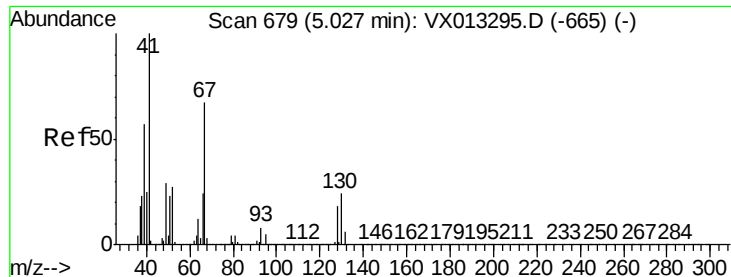
MMDadoda
11/25/2019 10:39:33 AM



#40
Benzene
Concen: 51.344 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3





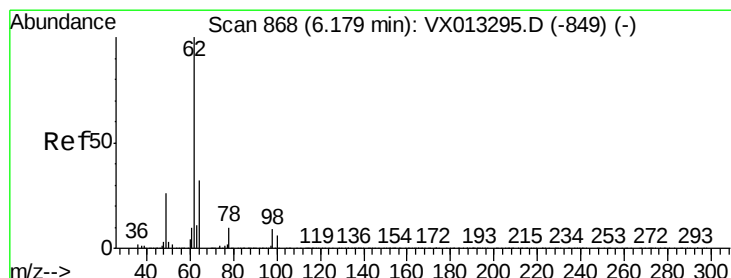
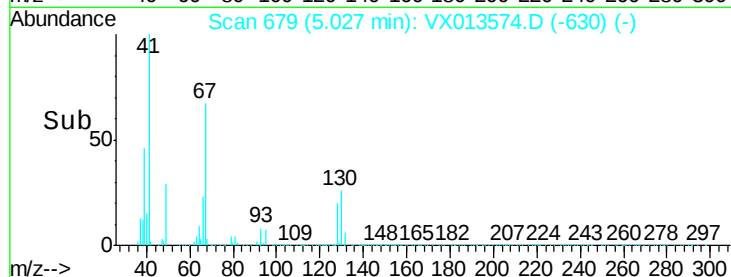
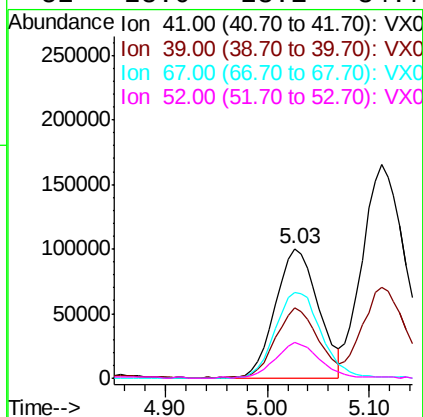
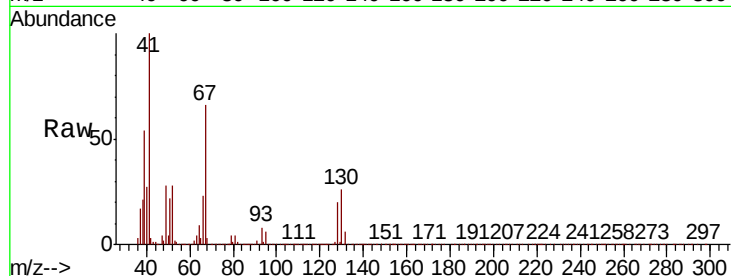
#41
Methacrylonitrile
Concen: 52.805 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	45.0	67.6	
67	71.2	55.4	83.2	
52	28.0	23.1	34.7	

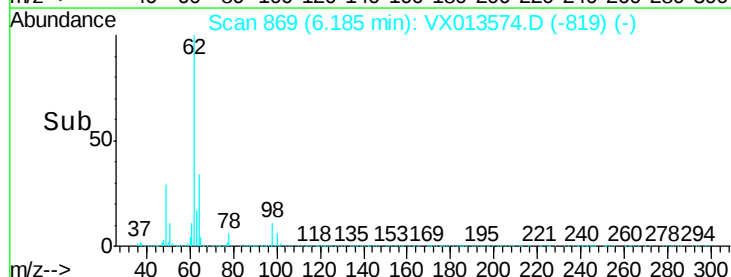
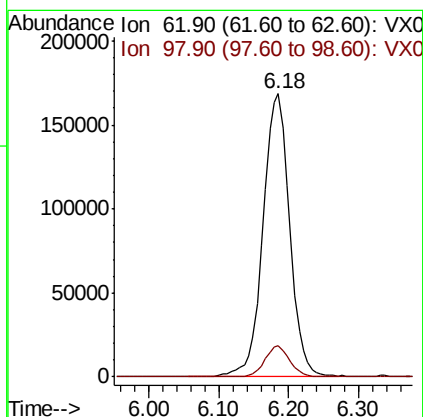
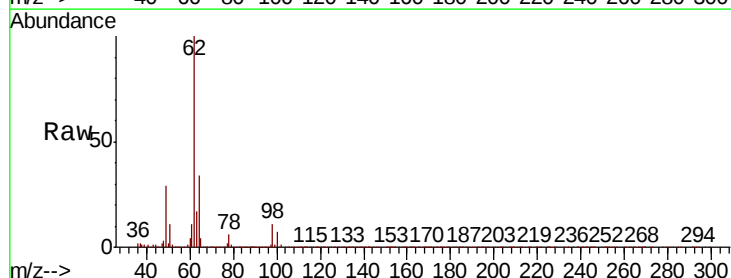
Manual Integrations
APPROVED

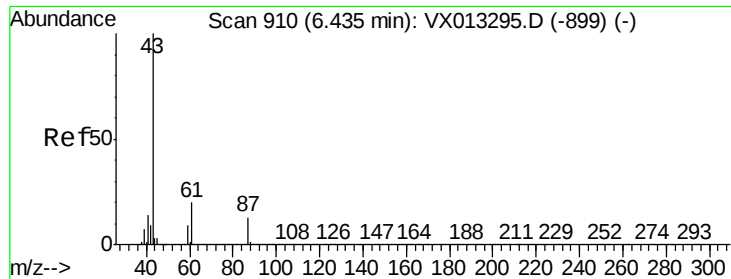
MMDadoda
11/25/2019 10:39:33 AM



#42
1,2-Dichloroethane
Concen: 50.047 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	19.4	





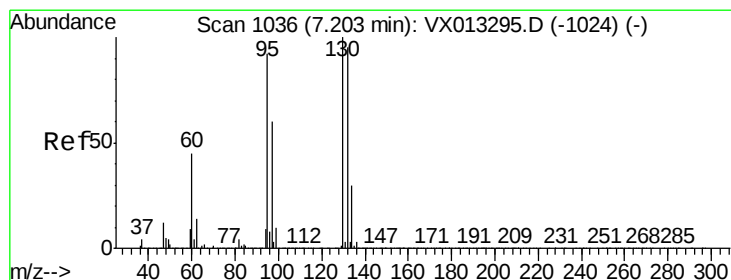
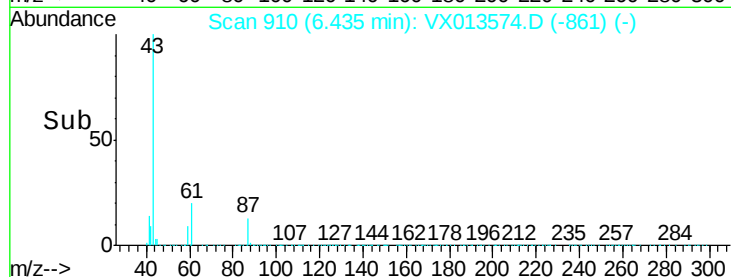
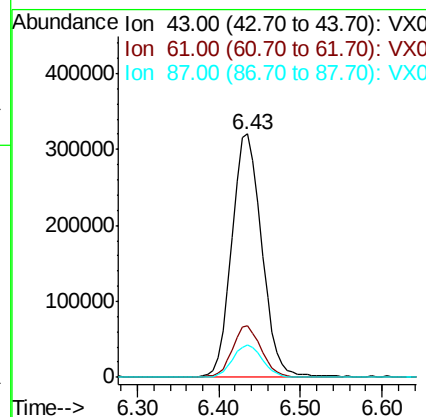
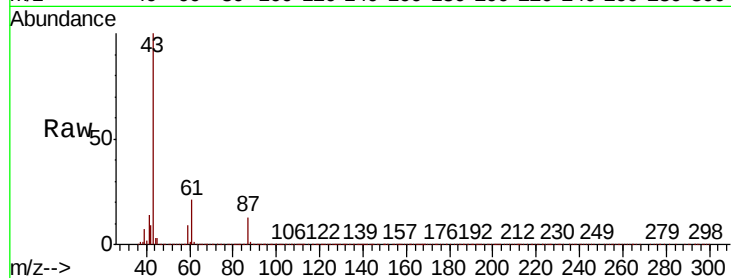
#43
Isopropyl Acetate
Concen: 52.513 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.8
87	13.2	10.4	15.6

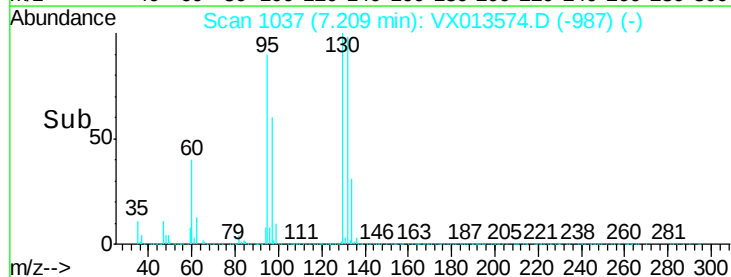
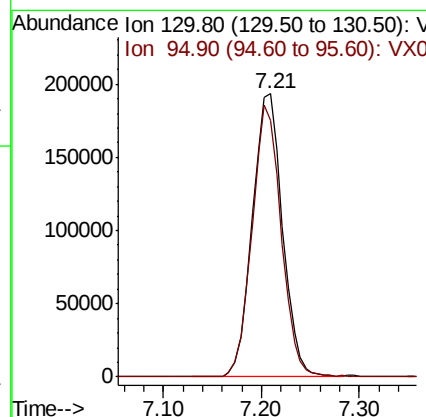
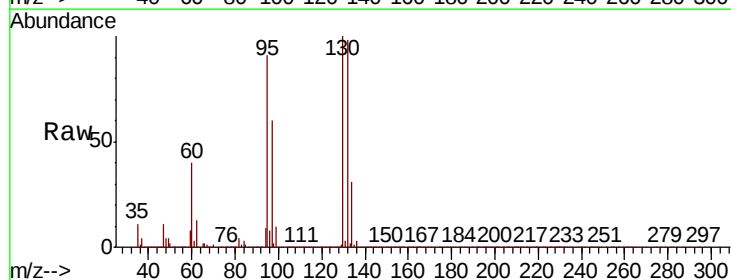
Manual Integrations
APPROVED

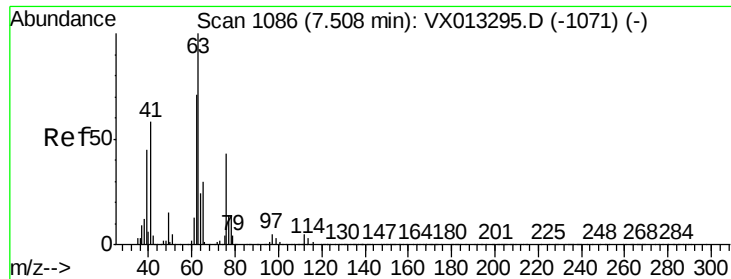
MMDadoda
11/25/2019 10:39:33 AM



#44
Trichloroethene
Concen: 60.351 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	184.8





#45

1,2-Dichloropropane

Concen: 53.735 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 340899

Ion Ratio Lower Upper

63 100

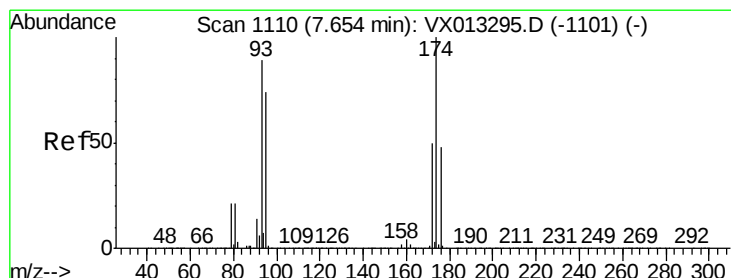
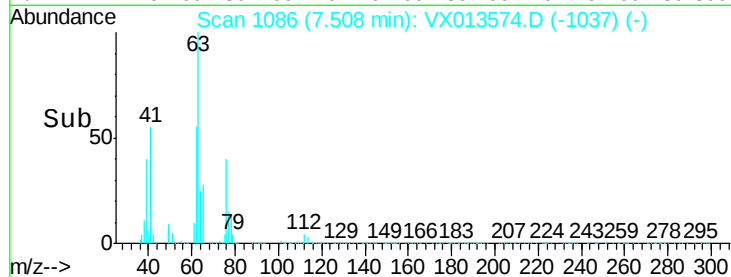
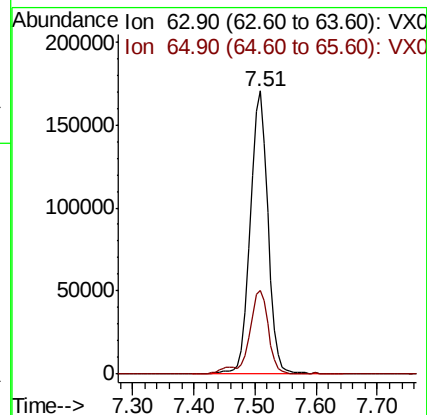
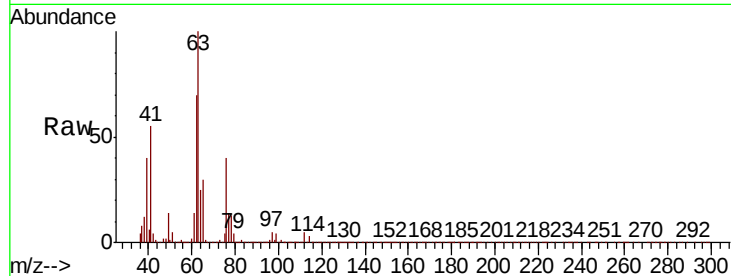
65 29.6 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

11/25/2019 10:39:33 AM



#46

Dibromomethane

Concen: 51.316 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

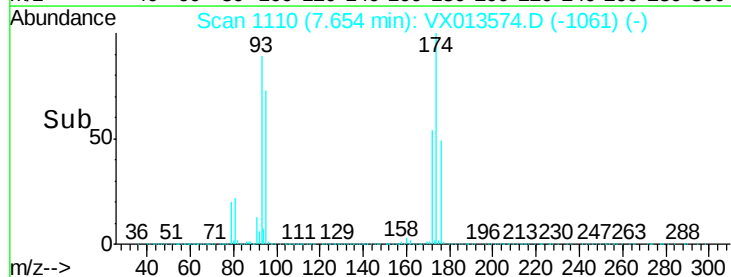
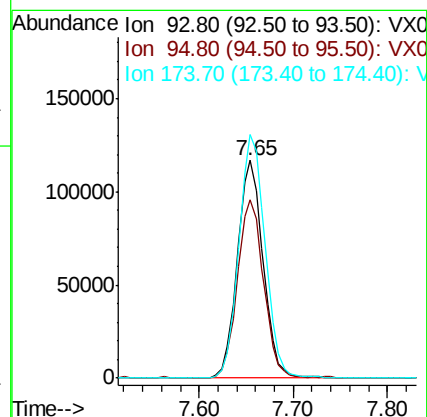
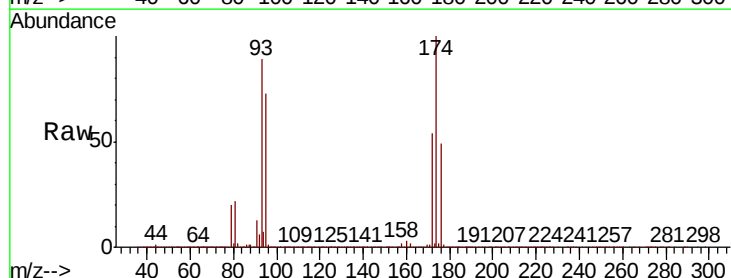
Tgt Ion: 93 Resp: 222282

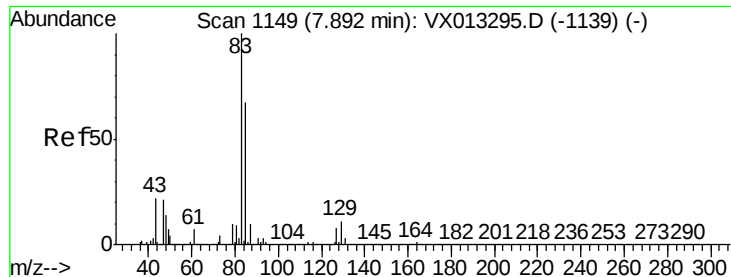
Ion Ratio Lower Upper

93 100

95 82.6 65.8 98.6

174 113.6 90.4 135.6





#47

Bromodichloromethane

Concen: 52.903 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

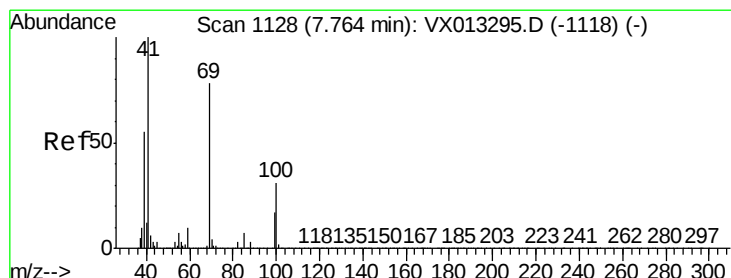
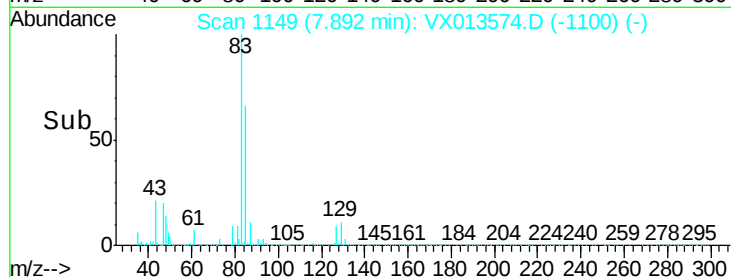
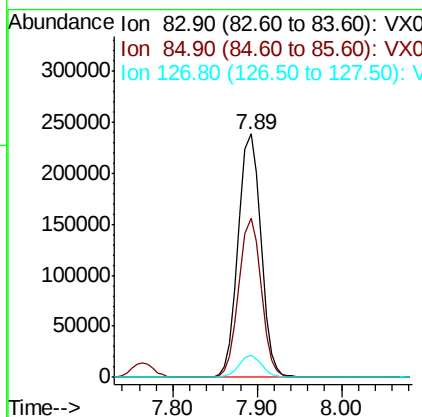
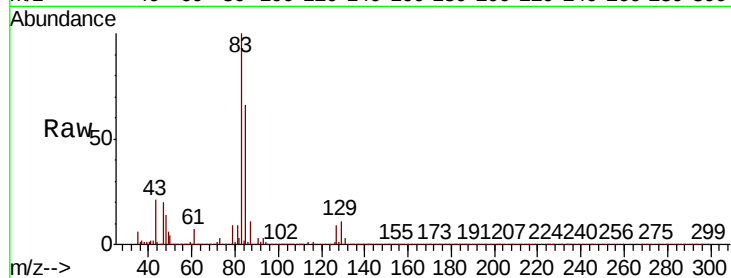
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	432120
Ion Ratio	Lower	Upper	
83	100		
85	65.5	53.7	80.5
127	8.9	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM



#48

Methyl methacrylate

Concen: 52.375 ug/l

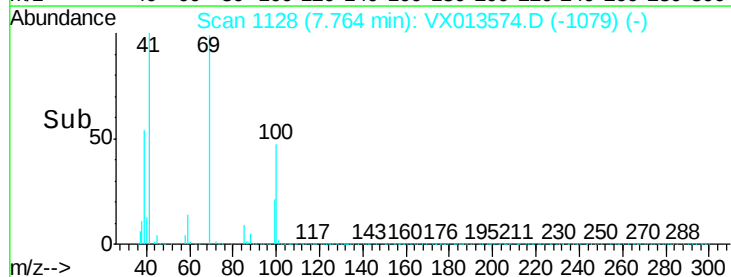
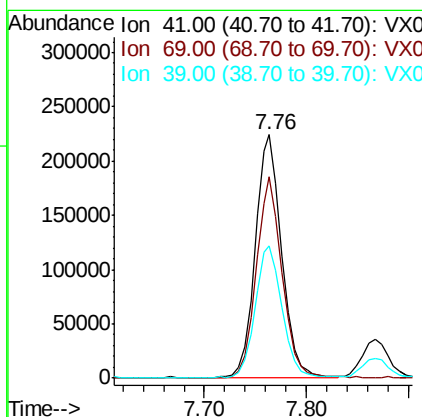
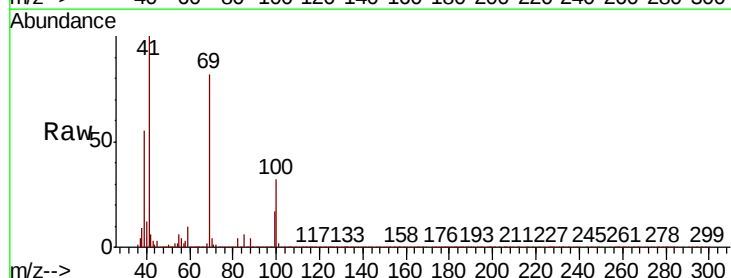
RT: 7.76 min Scan# 1128

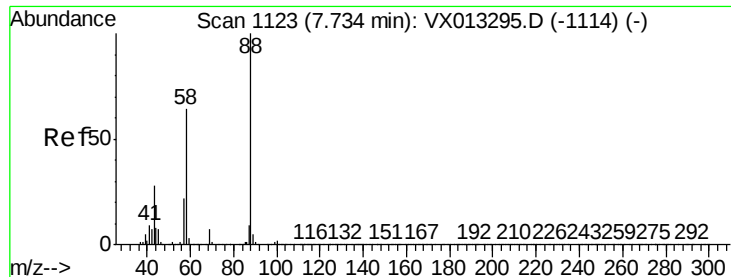
Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion:	41	Resp:	402114
Ion Ratio	Lower	Upper	
41	100		
69	80.9	63.0	94.6
39	55.6	45.9	68.9





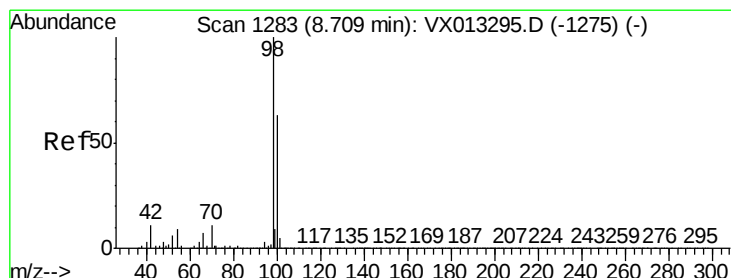
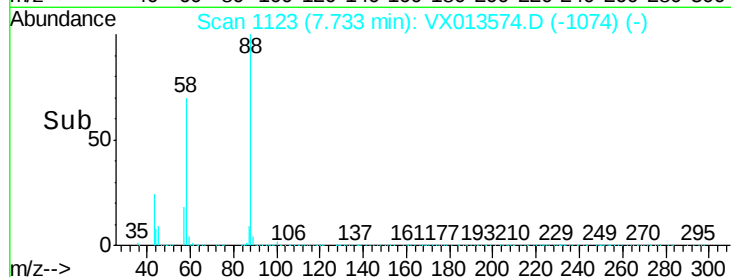
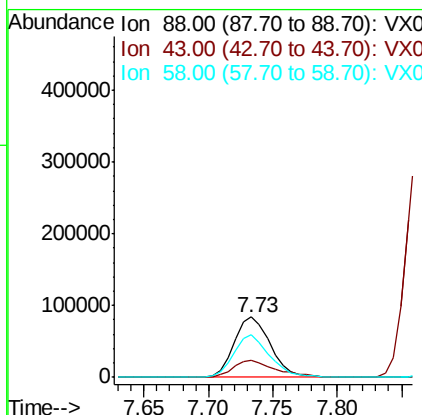
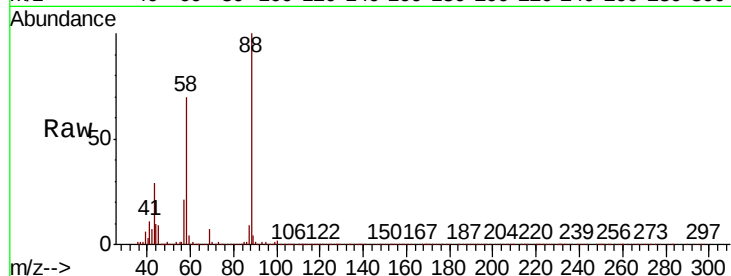
#49
1,4-Dioxane
Concen: 923.208 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	26.6	39.8
58	69.9	55.0	82.6

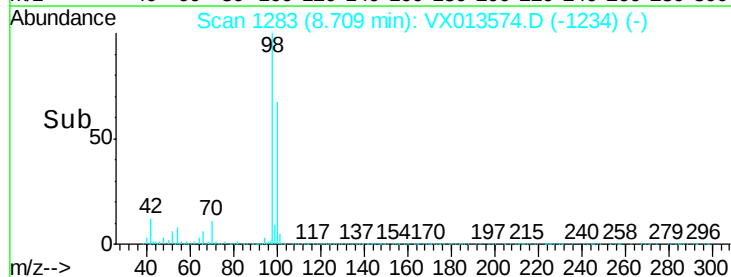
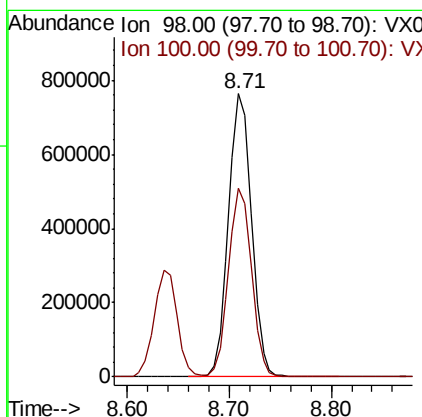
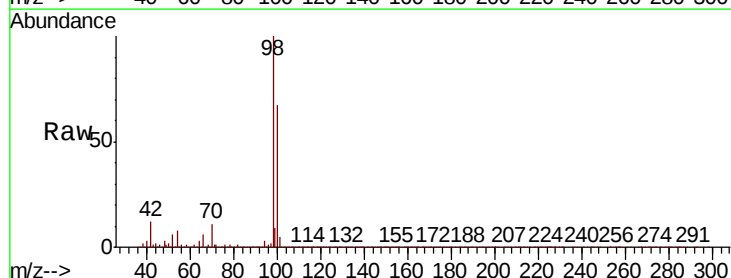
Manual Integrations
APPROVED

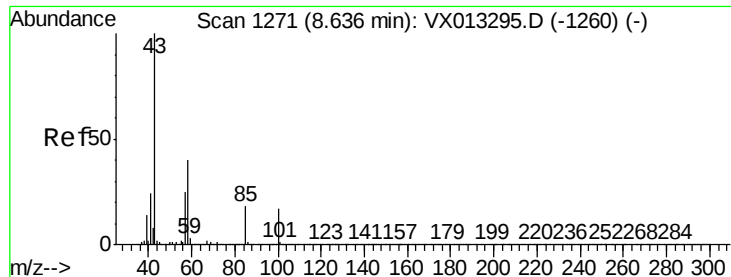
MMDadoda
11/25/2019 10:39:33 AM



#50
Toluene-d8
Concen: 53.971 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.2	78.2





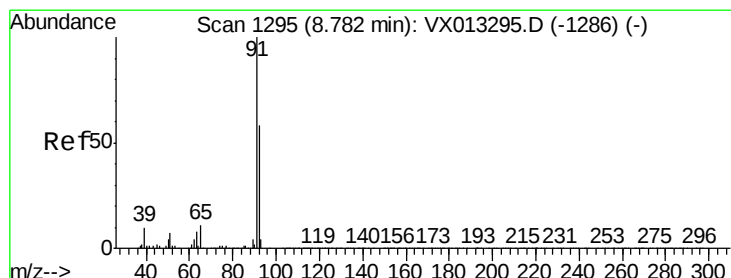
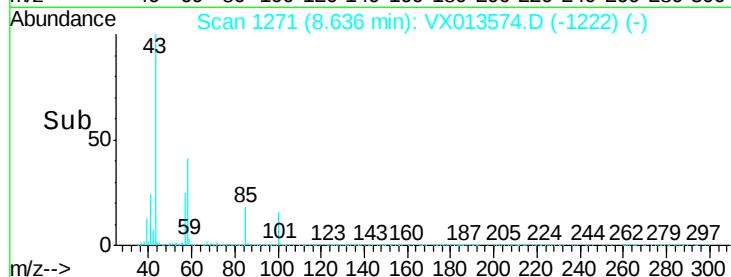
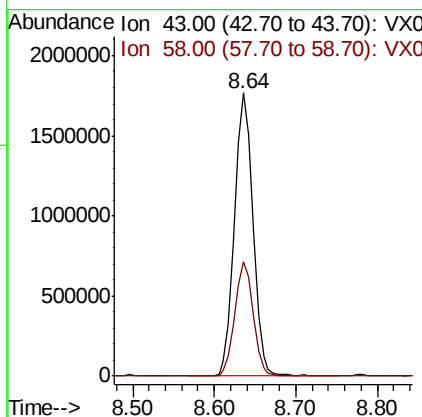
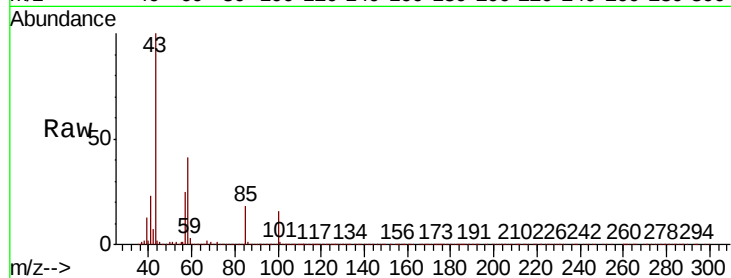
#51
4-Methyl-2-Pentanone
Concen: 271.146 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2736095
Ion Ratio Lower Upper
43 100
58 39.9 31.4 47.0

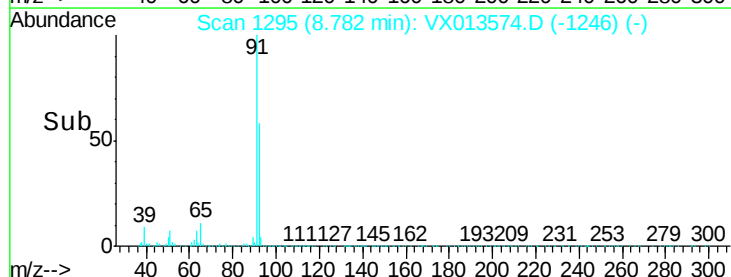
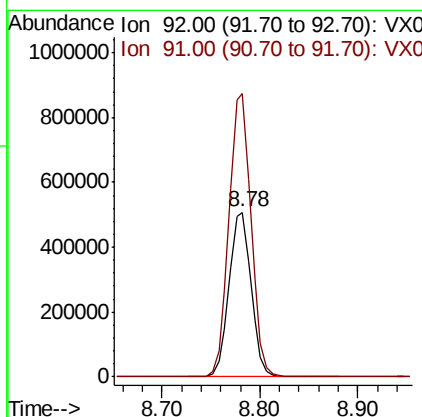
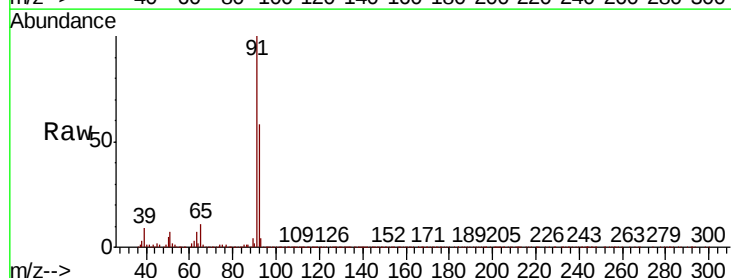
Manual Integrations
APPROVED

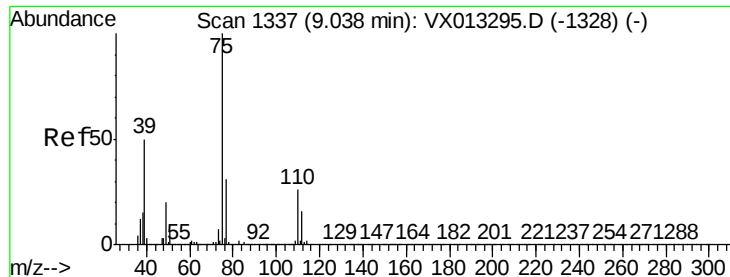
MMDadoda
11/25/2019 10:39:33 AM



#52
Toluene
Concen: 51.371 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion: 92 Resp: 792769
Ion Ratio Lower Upper
92 100
91 172.8 138.0 207.0





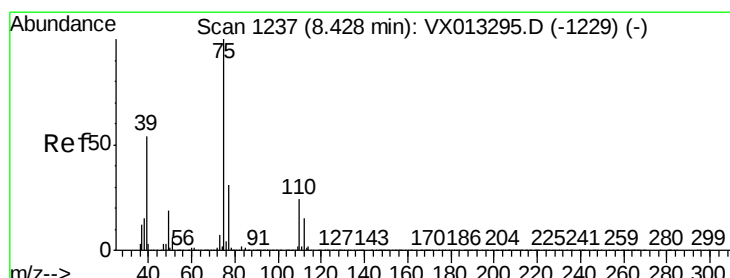
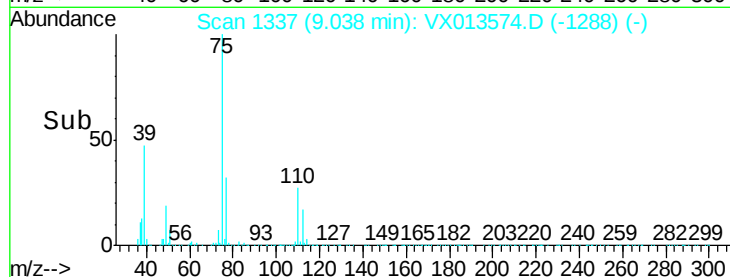
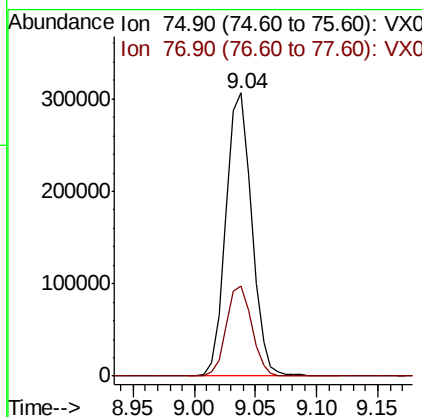
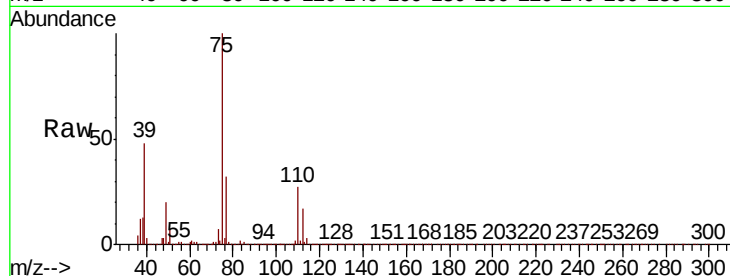
#53
t-1,3-Dichloropropene
Concen: 50.091 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4

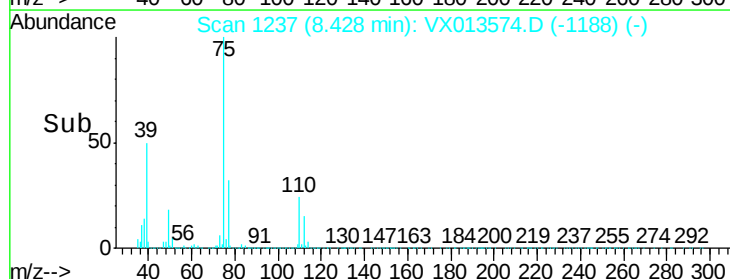
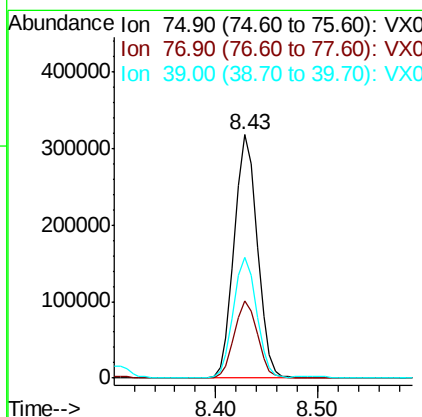
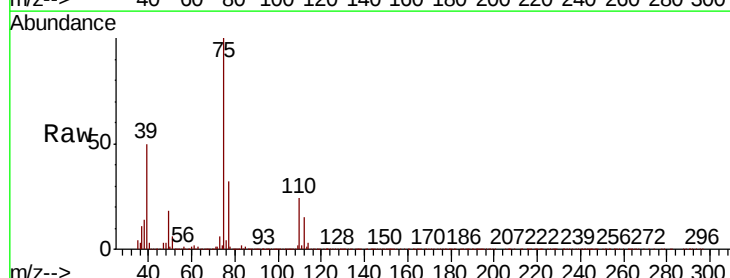
Manual Integrations
APPROVED

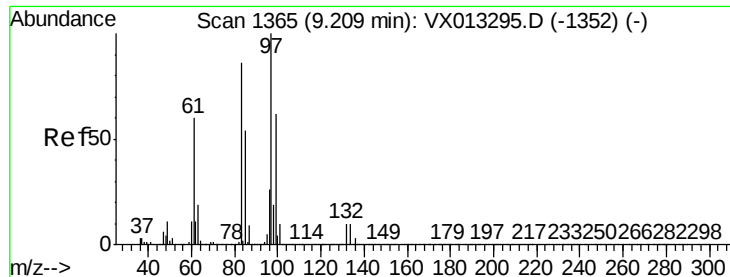
MMDadoda
11/25/2019 10:39:33 AM



#54
cis-1,3-Dichloropropene
Concen: 49.839 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.7	37.1
39	49.6	43.0	64.6





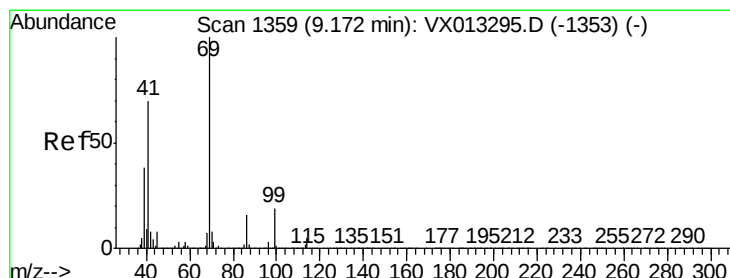
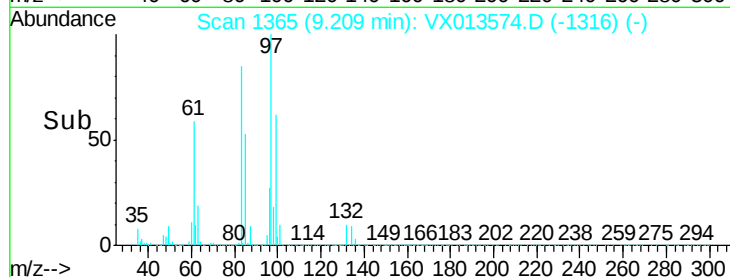
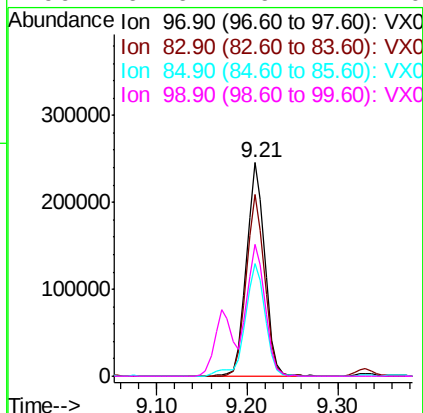
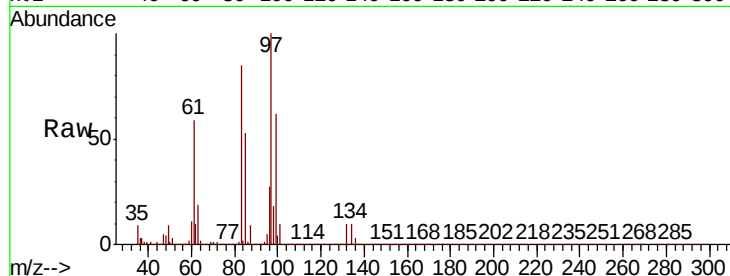
#55
 1,1,2-Trichloroethane
 Concen: 54.004 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013574.D
 Acq: 23 Nov 2019 07:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	345439
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.6	103.0
85	52.9	43.1	64.7
99	61.6	49.4	74.0

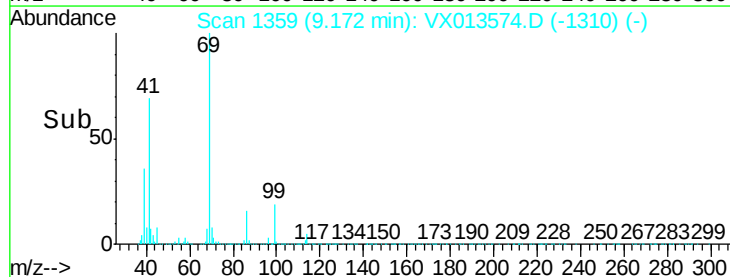
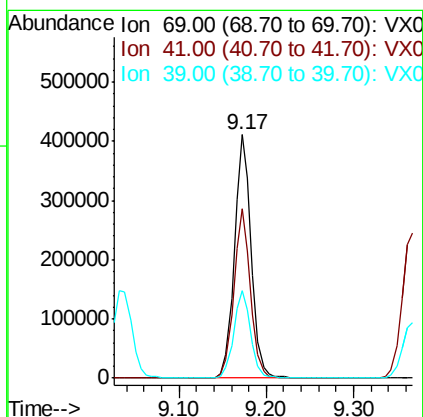
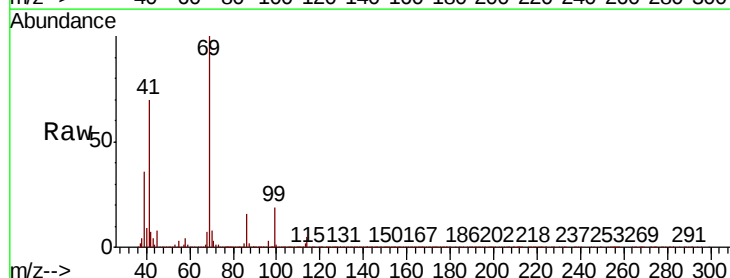
Manual Integrations
 APPROVED

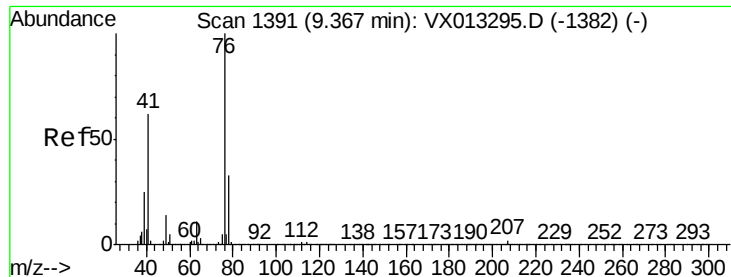
MMDadoda
 11/25/2019 10:39:33 AM



#56
 Ethyl methacrylate
 Concen: 50.386 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013574.D
 Acq: 23 Nov 2019 07:52

Tgt Ion:	69	Resp:	550362
Ion	Ratio	Lower	Upper
69	100		
41	68.4	56.2	84.2
39	35.9	31.1	46.7





#57

1,3-Dichloropropane

Concen: 52.986 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 575336

Ion Ratio Lower Upper

76 100

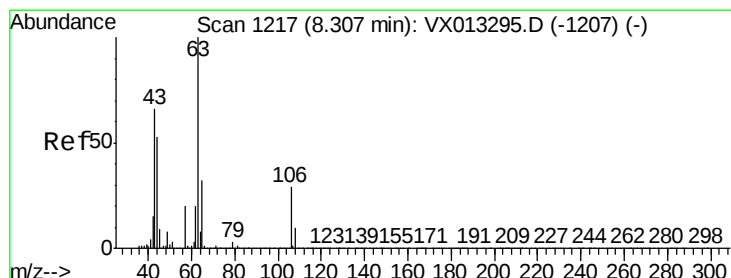
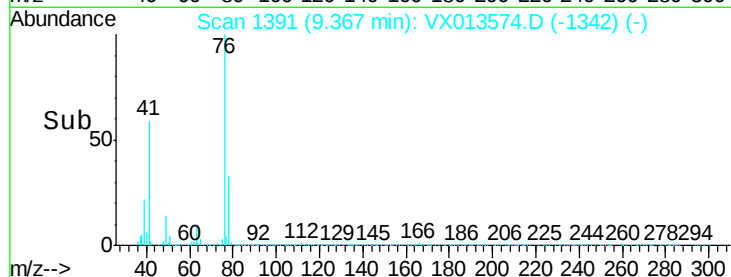
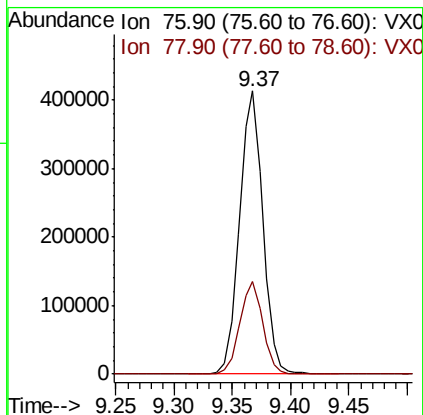
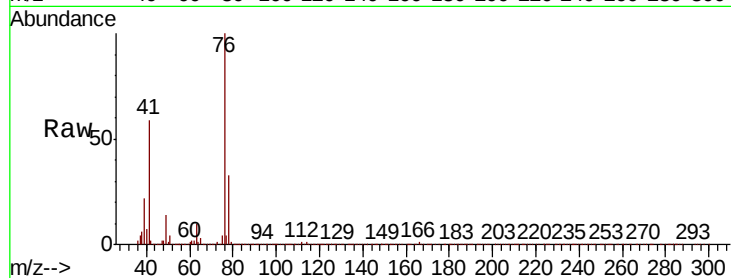
78 32.3 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

11/25/2019 10:39:33 AM



#58

2-Chloroethyl Vinyl ether

Concen: 260.669 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013574.D

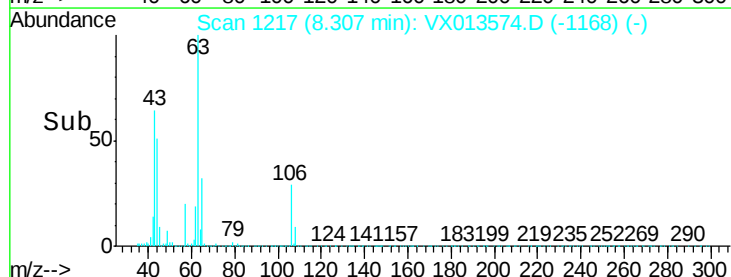
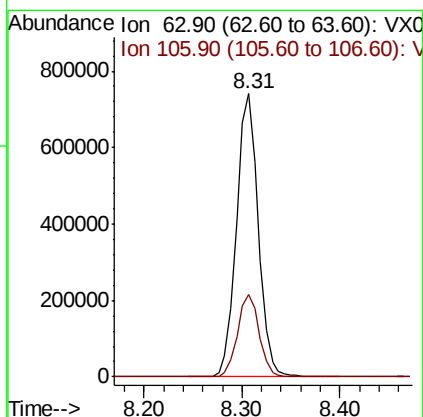
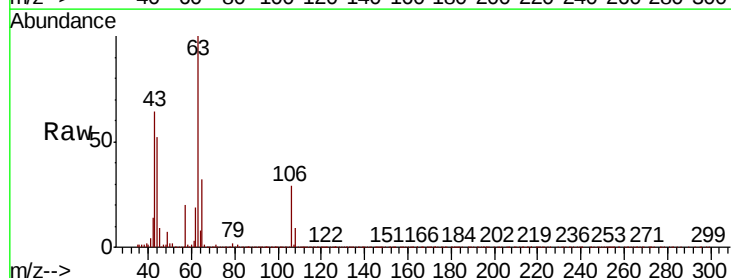
Acq: 23 Nov 2019 07:52

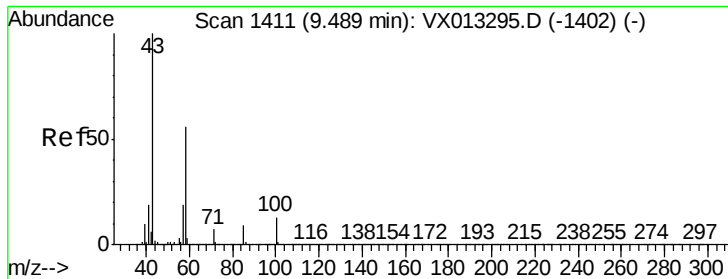
Tgt Ion: 63 Resp: 1140061

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2





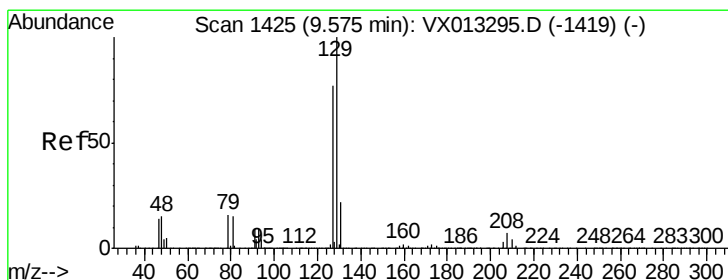
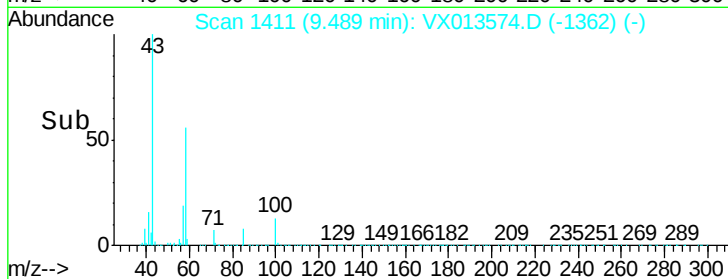
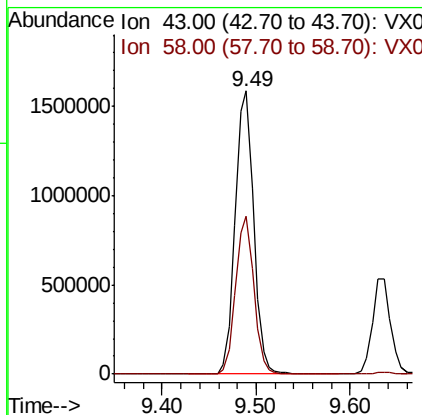
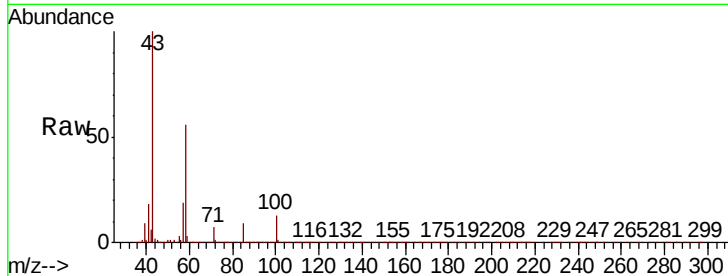
#59
2-Hexanone
Concen: 277.268 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2162131
Ion Ratio Lower Upper
43 100
58 55.1 27.3 81.8

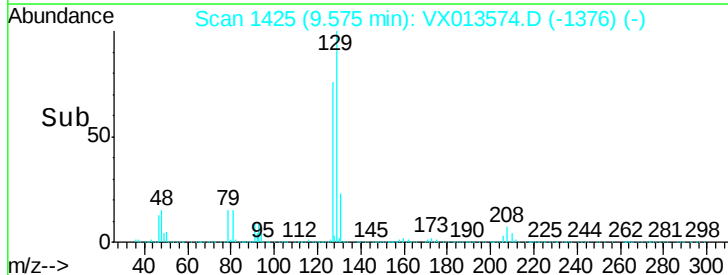
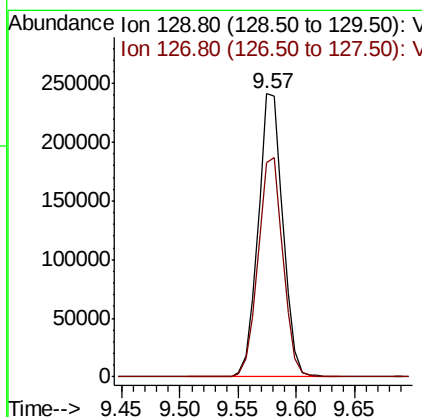
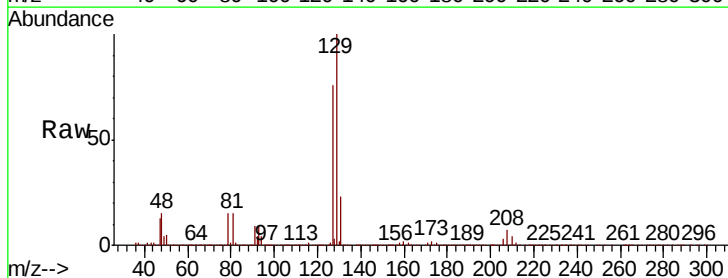
Manual Integrations
APPROVED

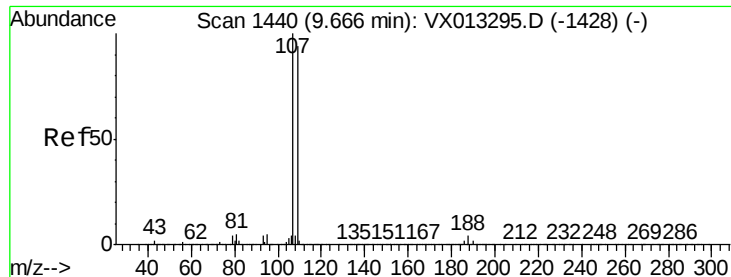
MMDadoda
11/25/2019 10:39:33 AM



#60
Dibromochloromethane
Concen: 54.581 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion: 129 Resp: 357059
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.101 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 353881

Ion Ratio Lower Upper

107 100

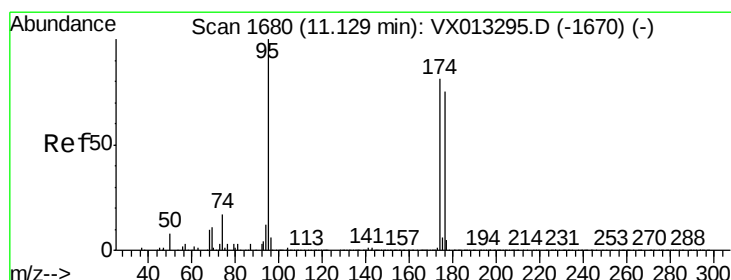
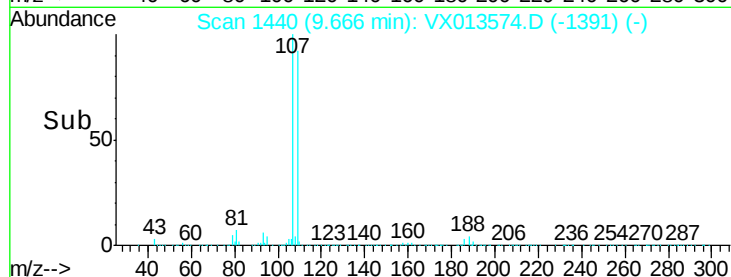
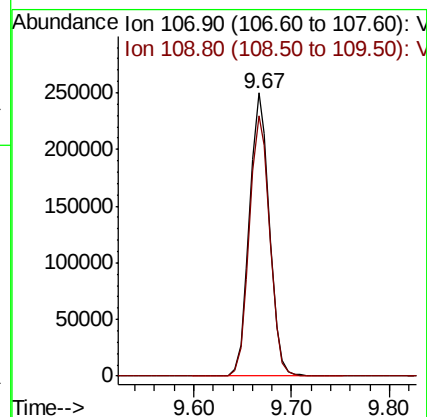
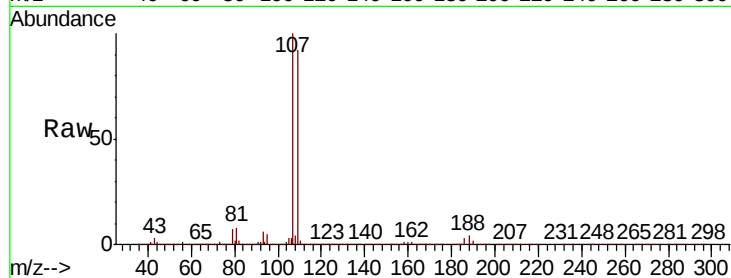
109 94.1 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

11/25/2019 10:39:33 AM



#62

4-Bromofluorobenzene

Concen: 54.887 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

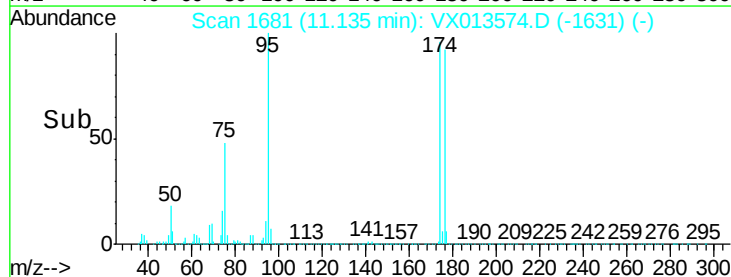
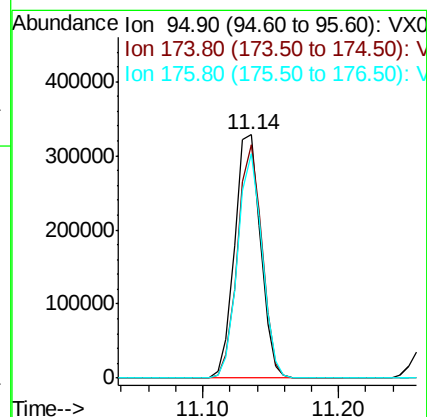
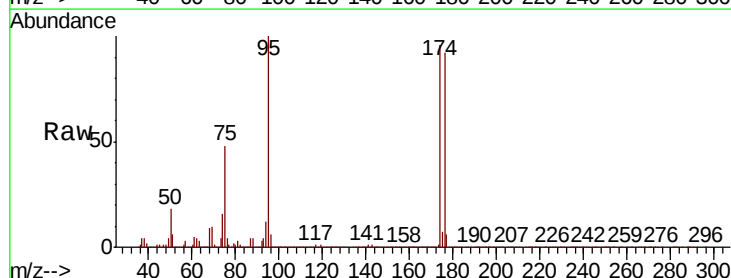
Tgt Ion: 95 Resp: 436423

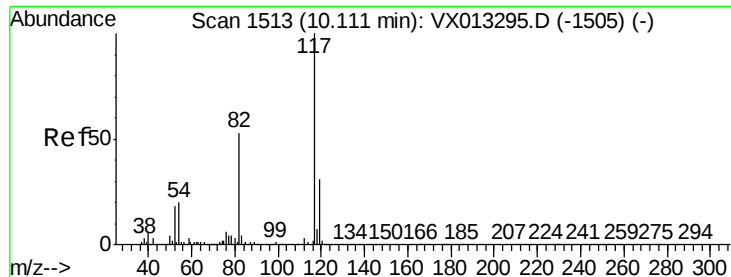
Ion Ratio Lower Upper

95 100

174 90.5 0.0 179.8

176 87.3 0.0 173.0





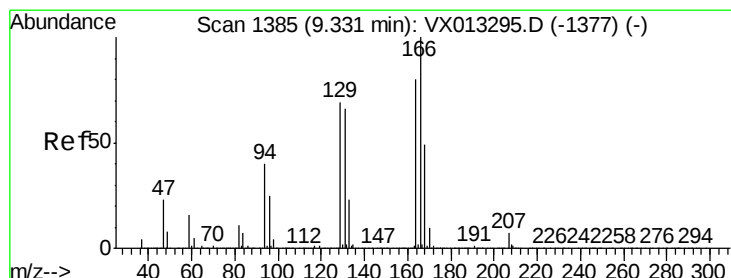
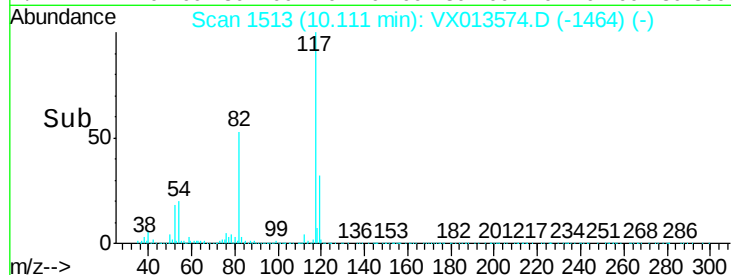
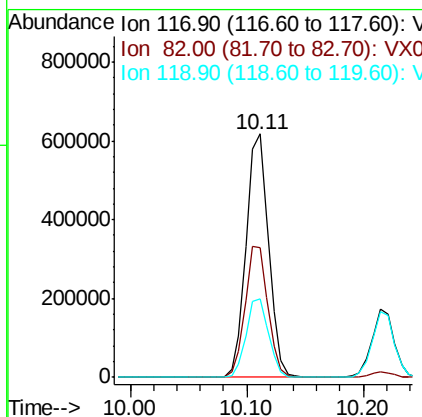
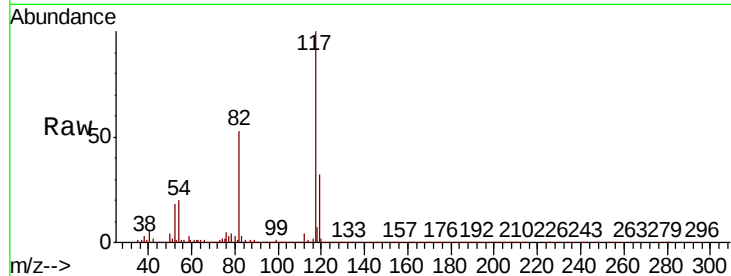
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.6	64.0
119	32.3	24.8	37.2

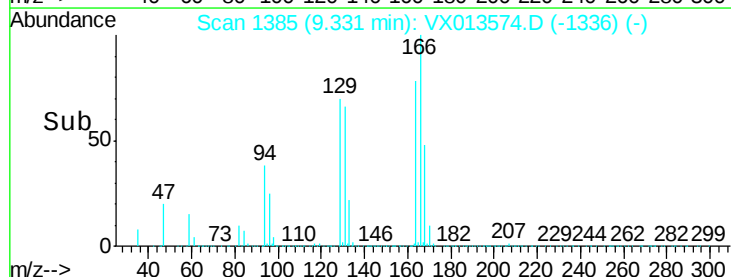
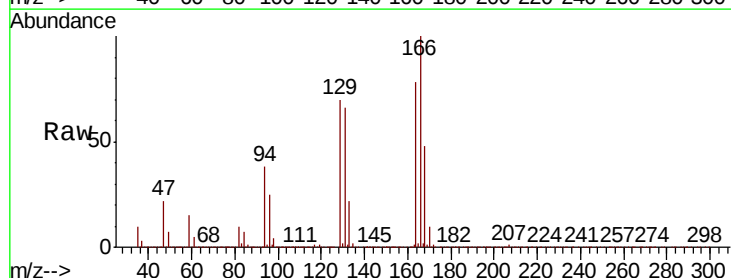
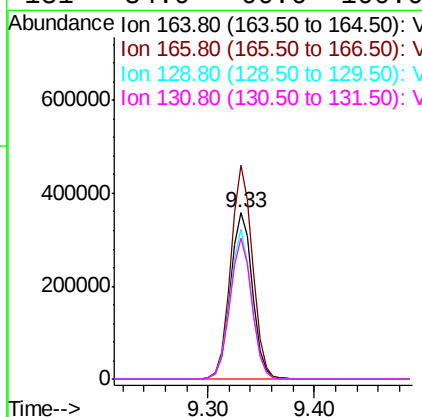
Manual Integrations
APPROVED

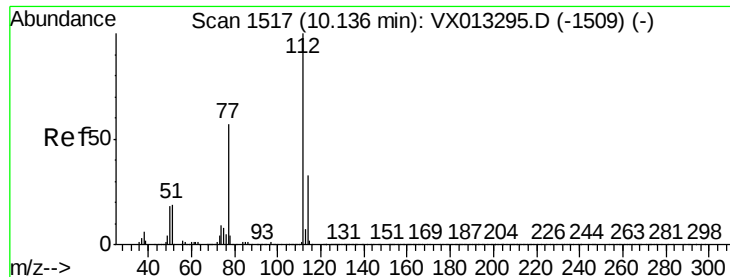
MMDadoda
11/25/2019 10:39:33 AM



#64
Tetrachloroethene
Concen: 86.522 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	100.4	150.6
129	90.0	69.4	104.2
131	84.9	66.6	100.0





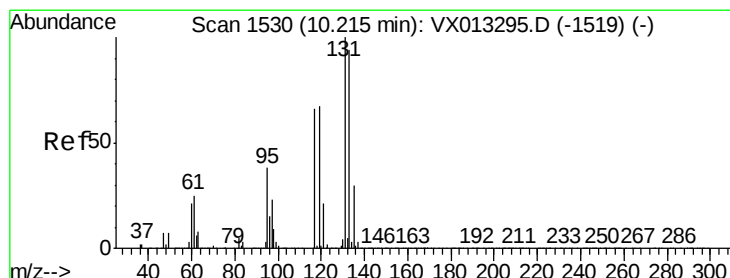
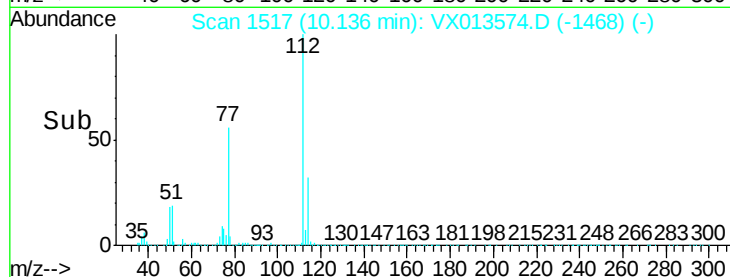
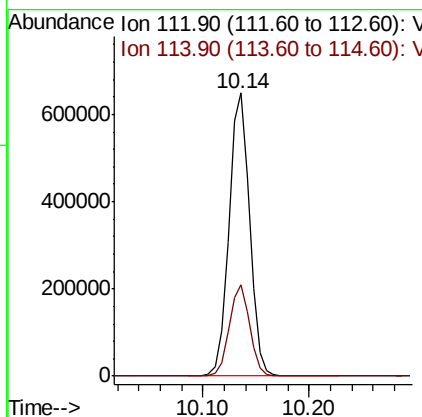
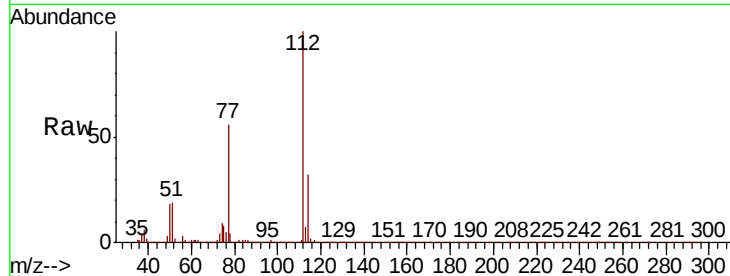
#65
Chlorobenzene
Concen: 51.827 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.4	39.6

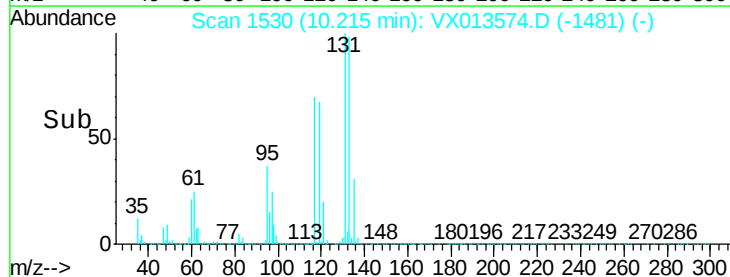
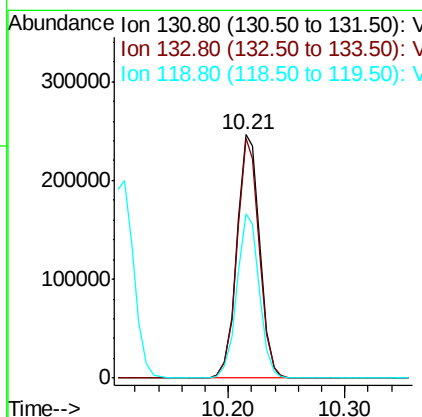
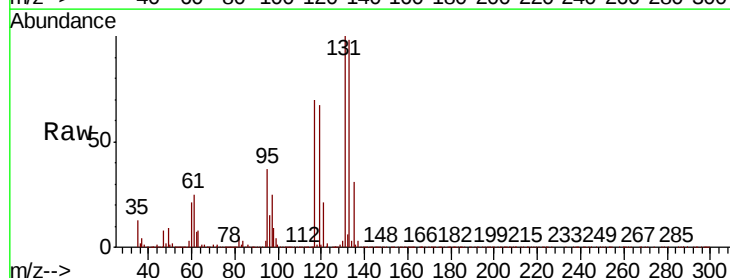
Manual Integrations
APPROVED

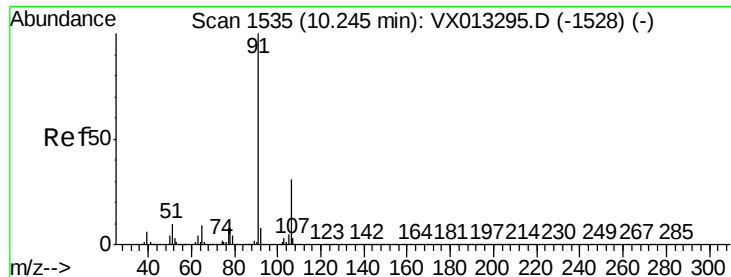
MMDadoda
11/25/2019 10:39:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.873 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.0	144.0
119	65.8	33.0	99.0





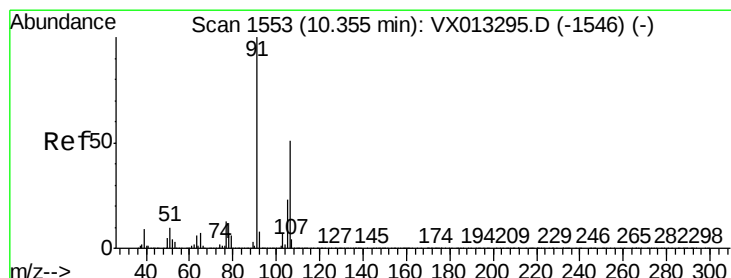
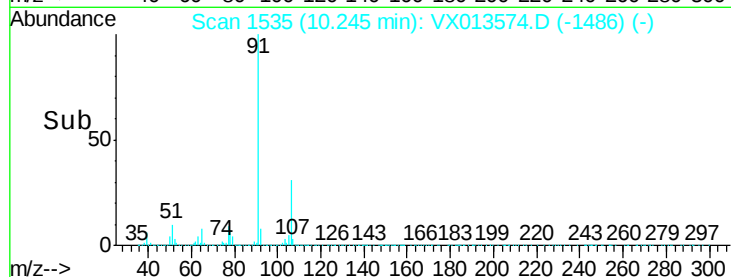
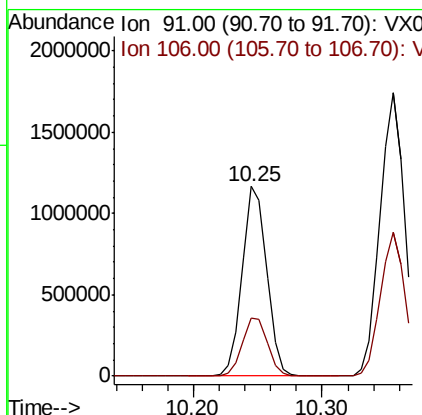
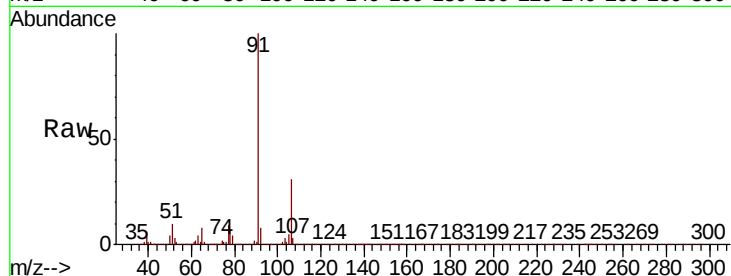
#67
Ethyl Benzene
Concen: 52.338 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1533499
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

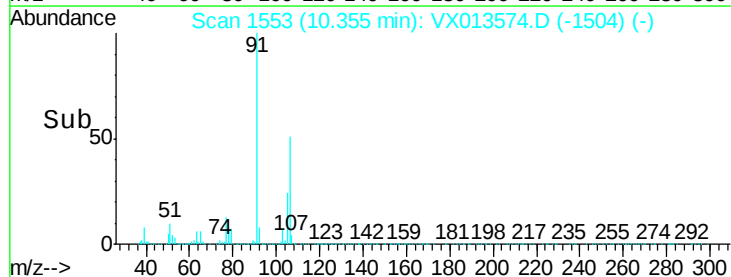
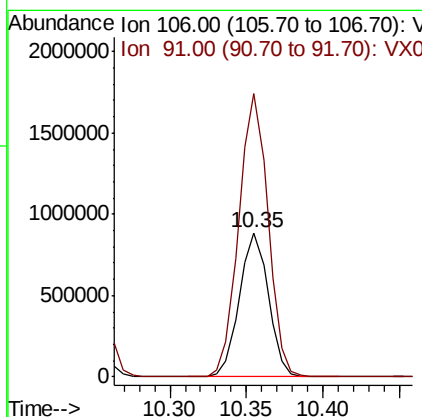
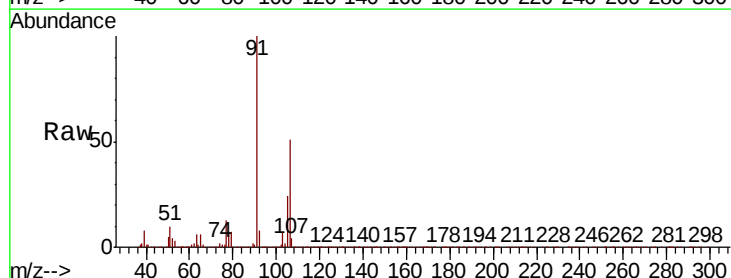
Manual Integrations
APPROVED

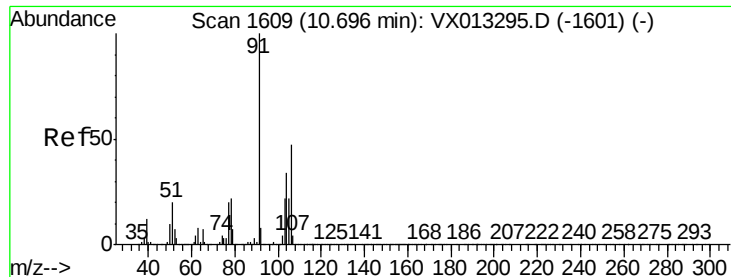
MMDadoda
11/25/2019 10:39:33 AM



#68
m/p-Xylenes
Concen: 105.389 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion: 106 Resp: 1167816
Ion Ratio Lower Upper
106 100
91 197.9 159.3 238.9





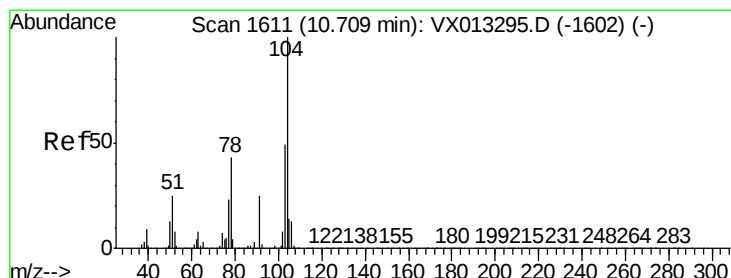
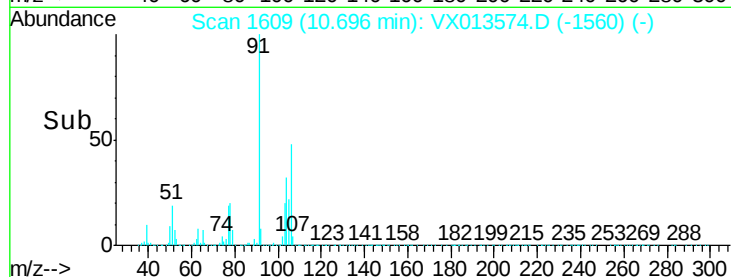
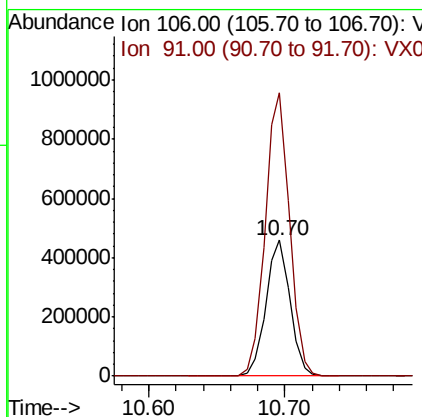
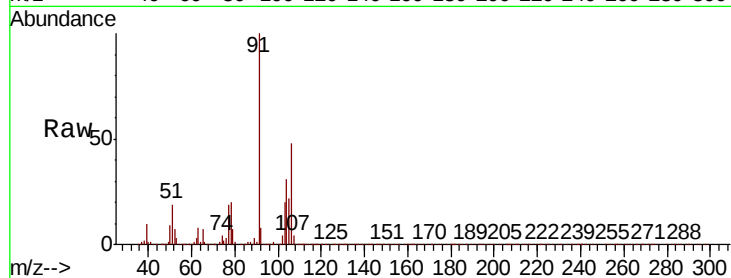
#69
o-Xylene
Concen: 52.556 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.3	105.7	317.0

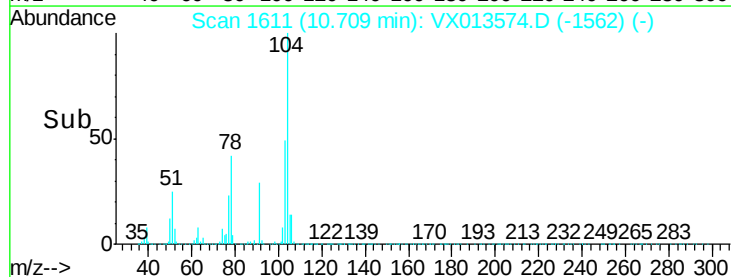
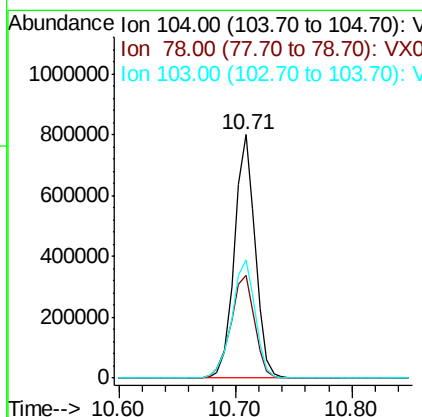
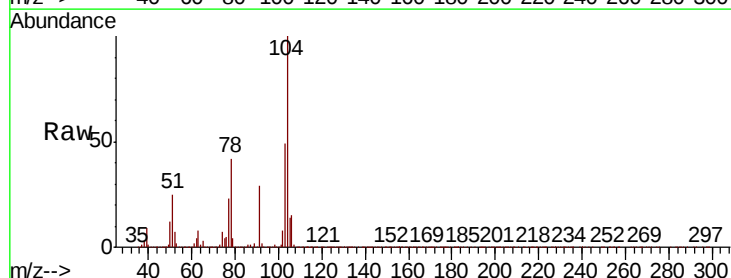
Manual Integrations
APPROVED

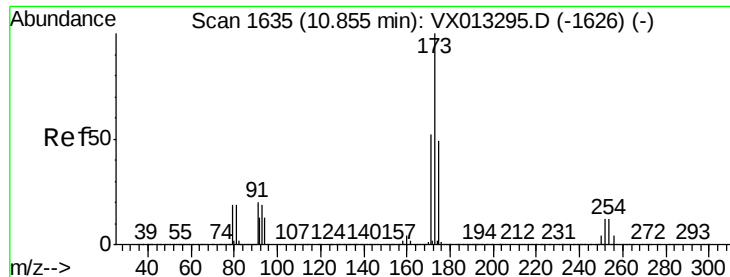
MMDadoda
11/25/2019 10:39:33 AM



#70
Styrene
Concen: 54.964 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	40.0	60.0
103	54.2	44.1	66.1





#71

Bromoform

Concen: 48.345 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 278757

Ion Ratio Lower Upper

173 100

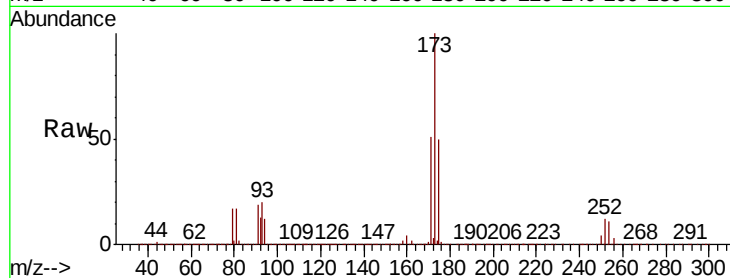
175 49.3 24.8 74.4

254 0.2 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda

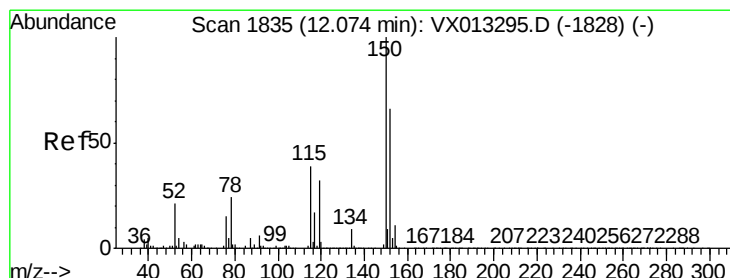
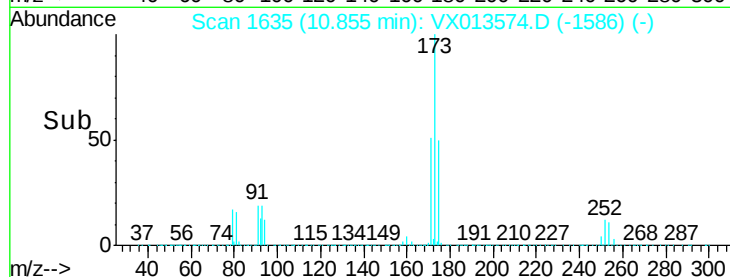
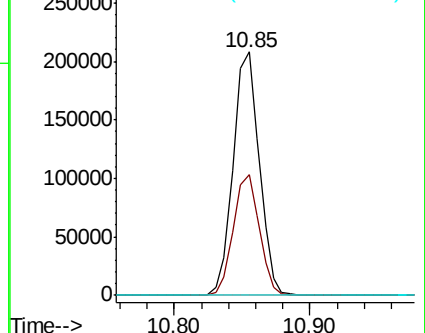
11/25/2019 10:39:33 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion:152 Resp: 434593

Ion Ratio Lower Upper

152 100

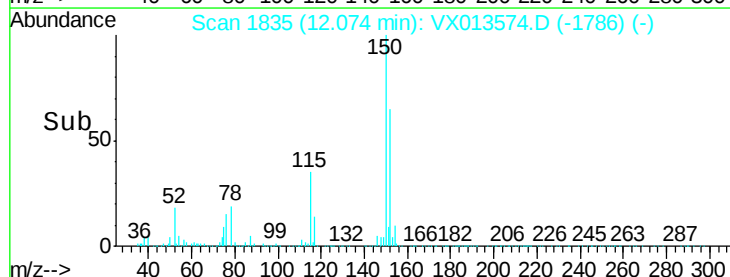
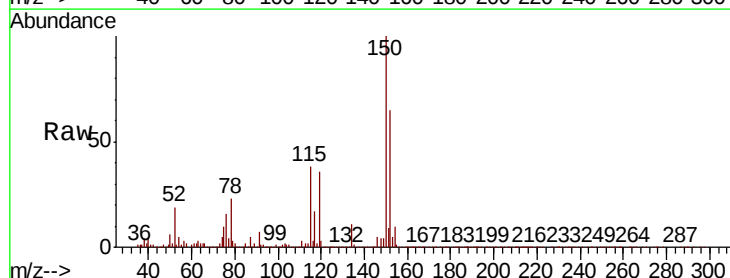
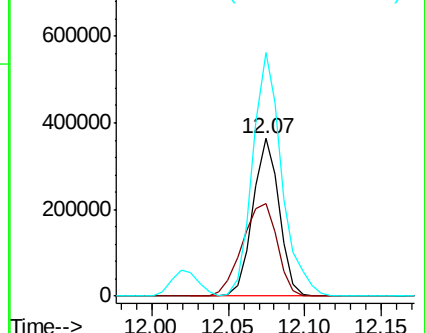
115 77.8 39.5 118.3

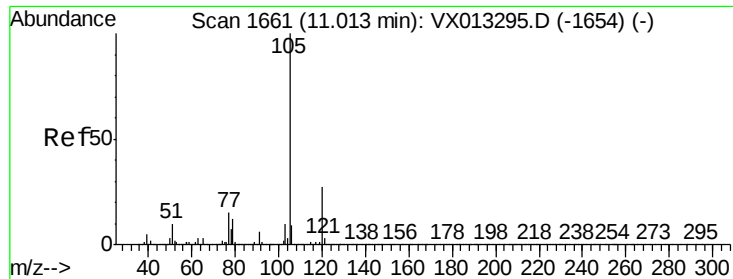
150 171.0 0.0 344.4

Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.828 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1522195

Ion Ratio Lower Upper

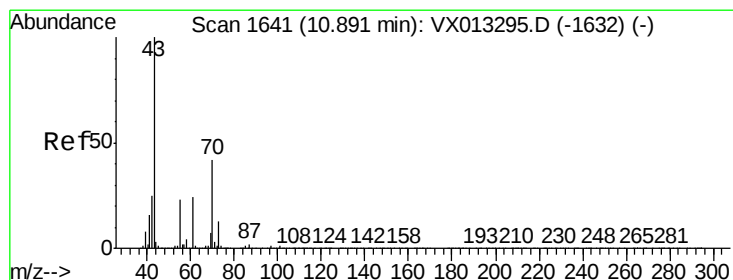
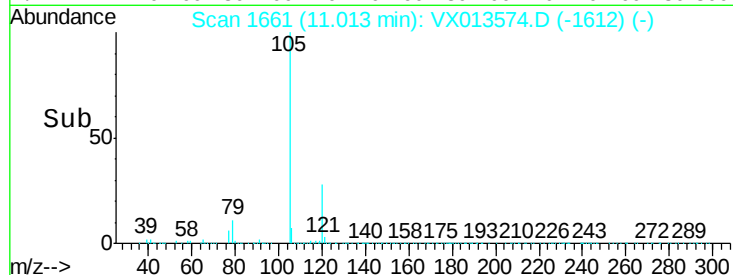
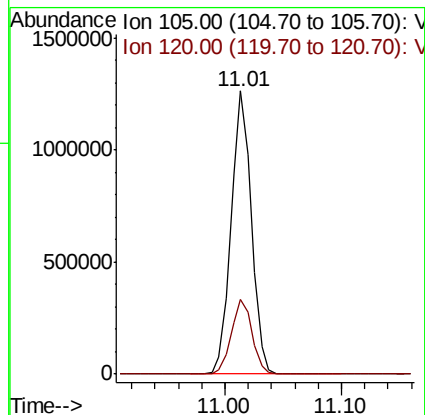
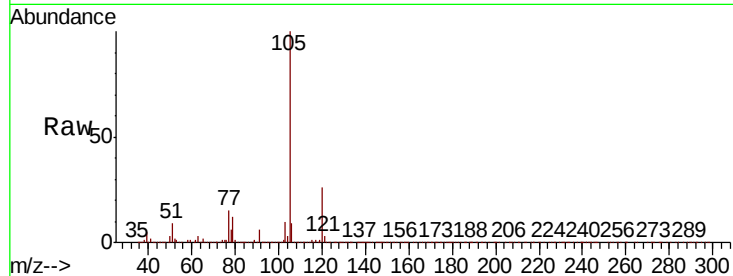
105 100

120 27.0 13.5 40.5

Manual Integrations
APPROVED

MMDadoda

11/25/2019 10:39:33 AM



#74

N-ethyl acetate

Concen: 53.341 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion: 43 Resp: 712732

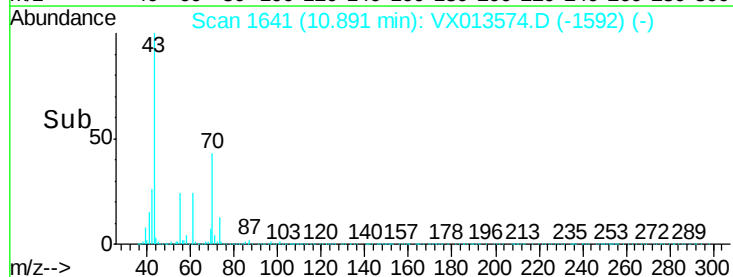
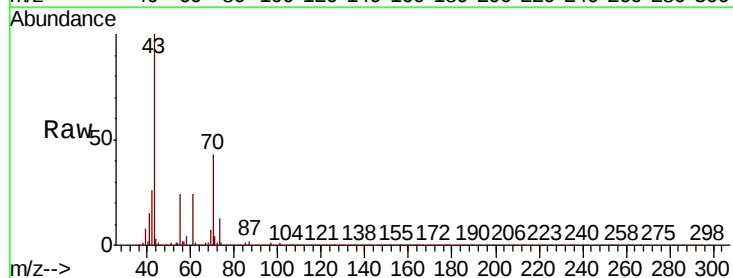
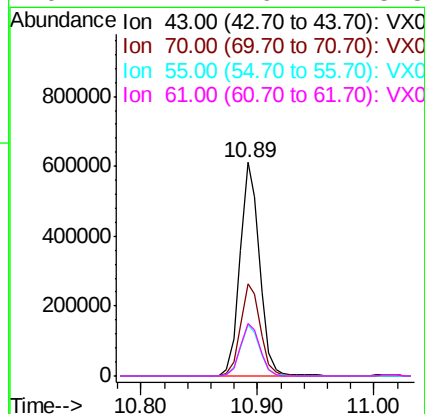
Ion Ratio Lower Upper

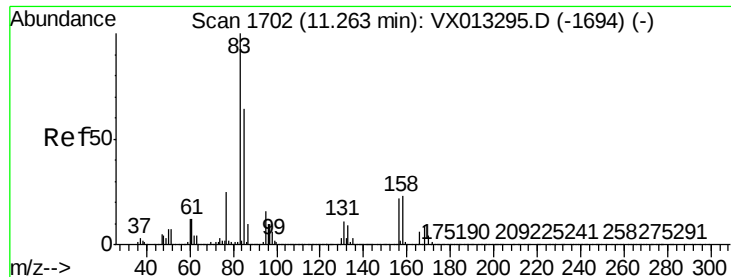
43 100

70 43.9 34.1 51.1

55 24.2 18.9 28.3

61 24.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 40.302 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

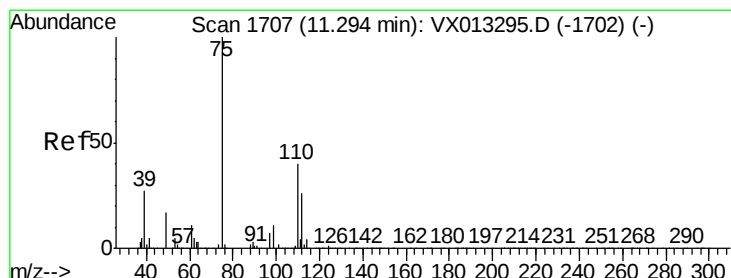
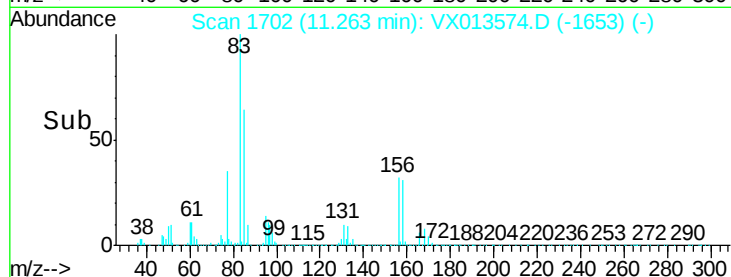
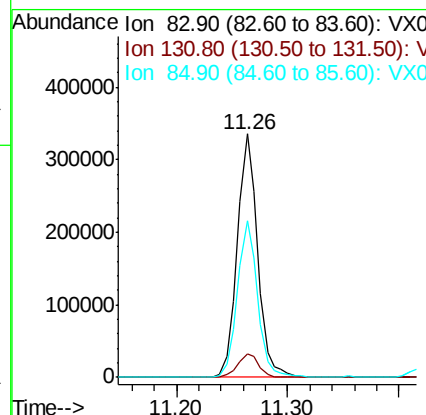
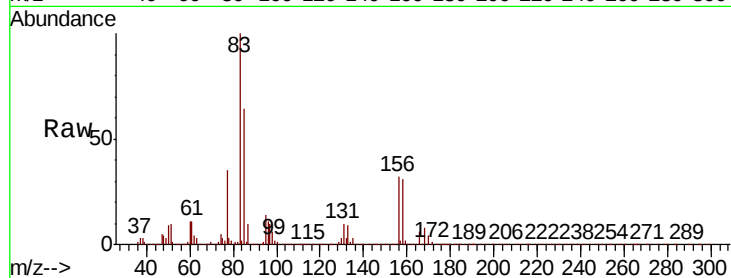
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	423647
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM



#76

1,2,3-Trichloropropane

Concen: 49.178 ug/l m

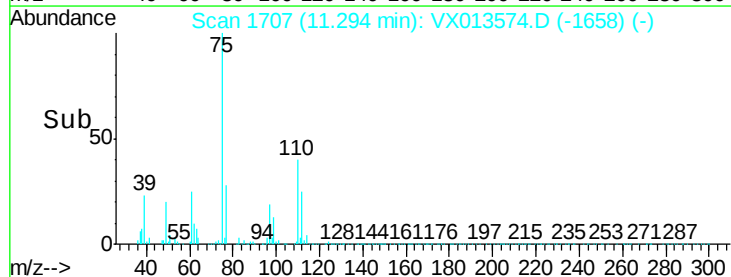
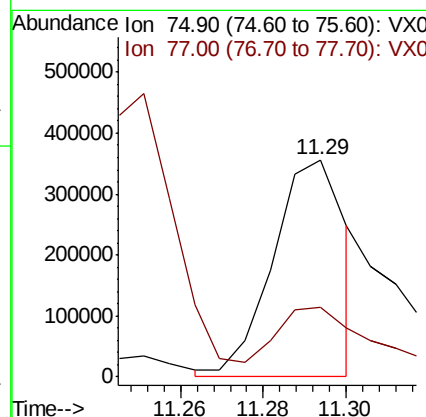
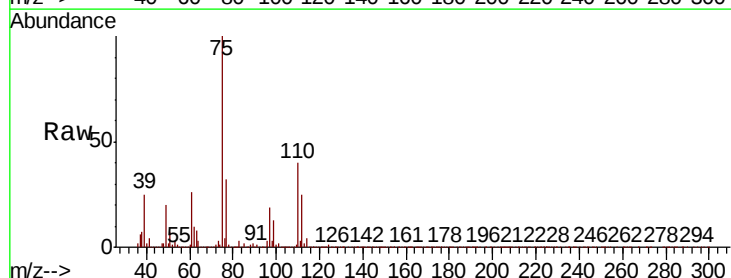
RT: 11.29 min Scan# 1707

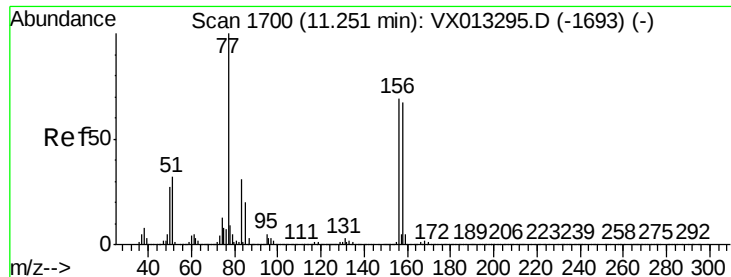
Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion:	75	Resp:	434101
Ion Ratio	Lower	Upper	
75	100		
77	43.3	22.3	66.8





#77

Bromobenzene

Concen: 52.461 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

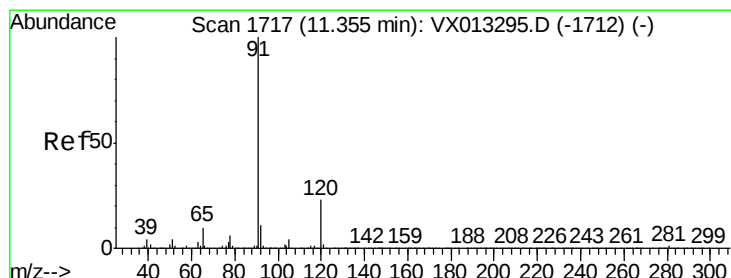
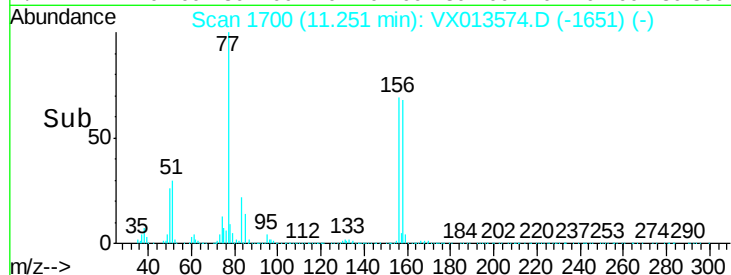
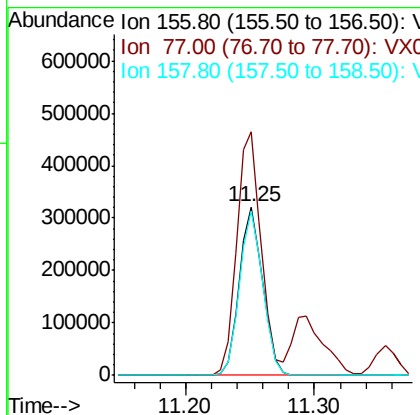
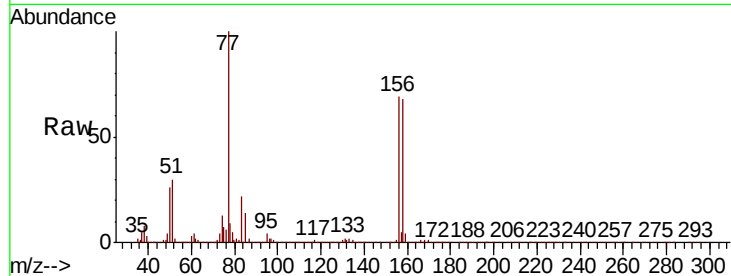
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	402981
Ion Ratio	Lower	Upper	
156	100		
77	151.4	75.8	227.4
158	97.5	47.6	142.8

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM



#78

n-propylbenzene

Concen: 53.169 ug/l

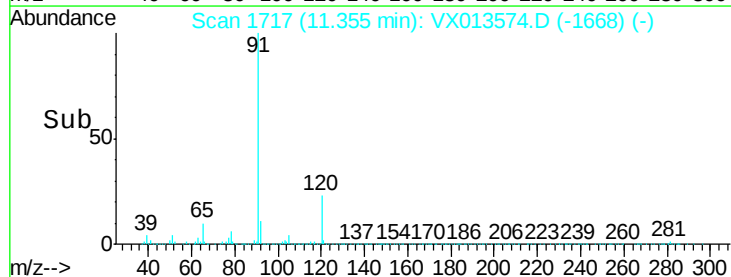
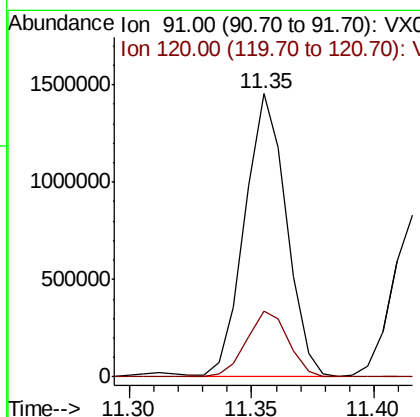
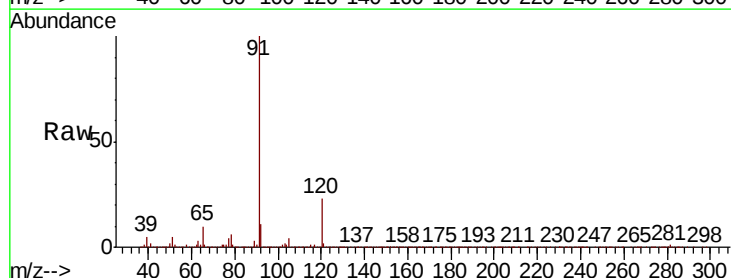
RT: 11.35 min Scan# 1717

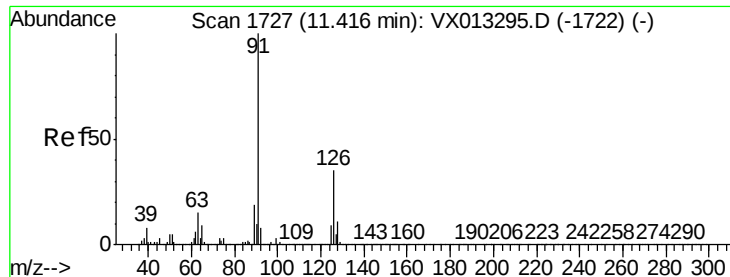
Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion:	91	Resp:	1706570
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.6	34.8





#79

2-Chlorotoluene

Concen: 52.668 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1018521

Ion Ratio Lower Upper

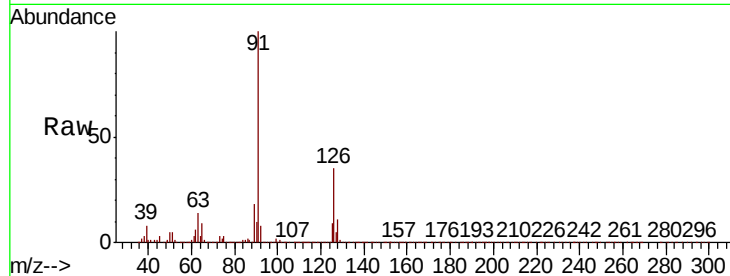
91 100

126 34.8 17.3 52.0

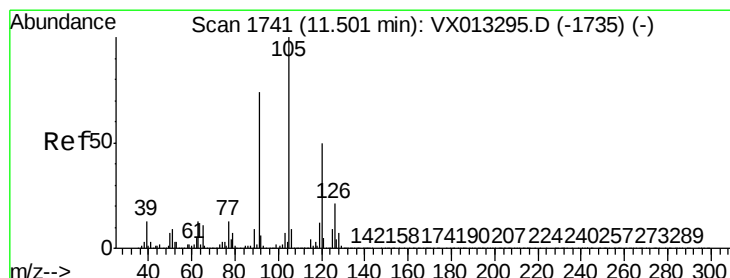
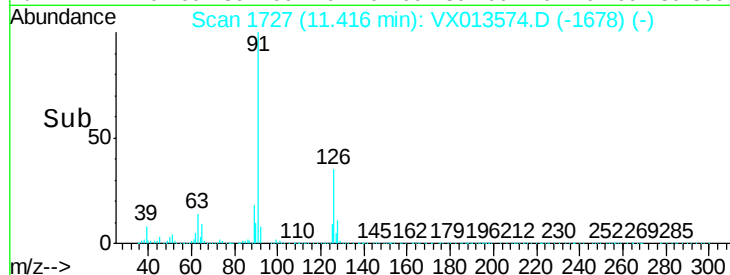
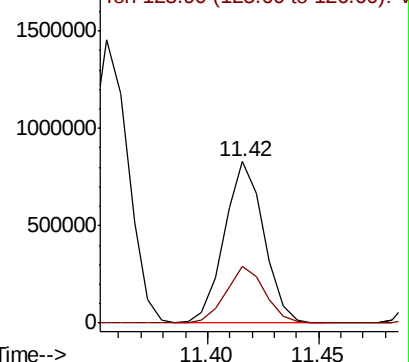
Manual Integrations
APPROVED

MMDadoda

11/25/2019 10:39:33 AM



Abundance Ion 91.00 (90.70 to 91.70): VX013295.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.098 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013574.D

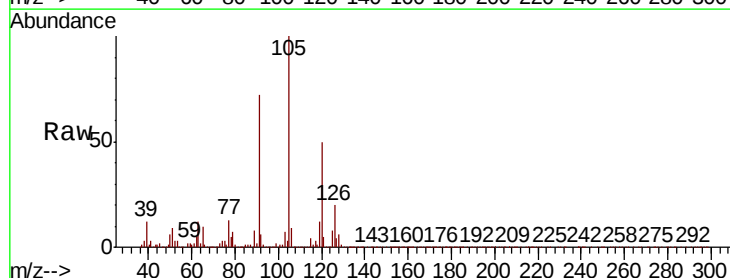
Acq: 23 Nov 2019 07:52

Tgt Ion: 105 Resp: 1274396

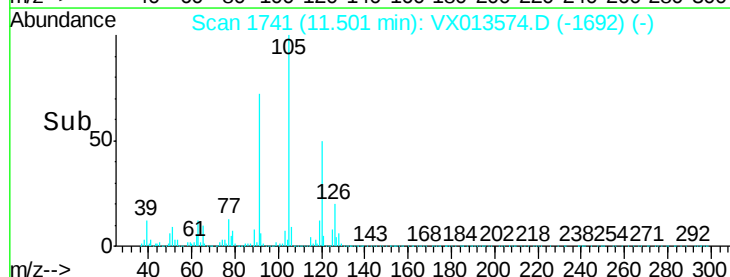
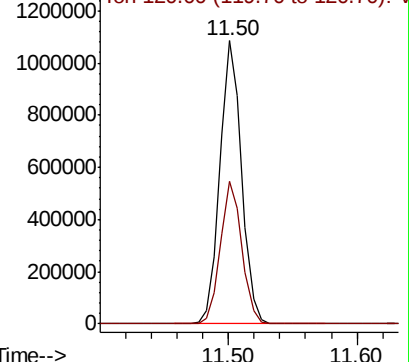
Ion Ratio Lower Upper

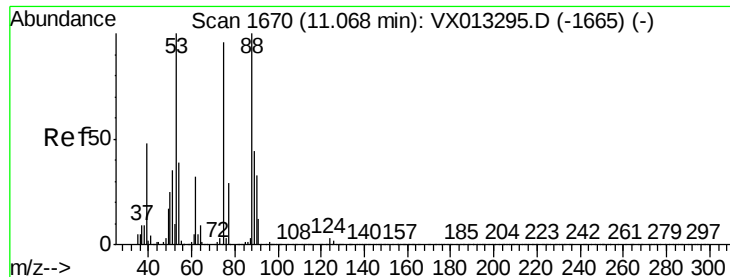
105 100

120 49.8 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VX013295.D (-1735) (-)





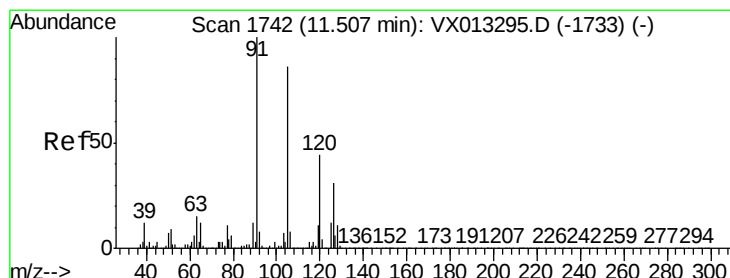
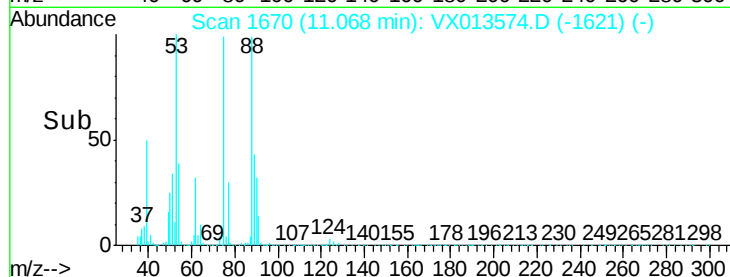
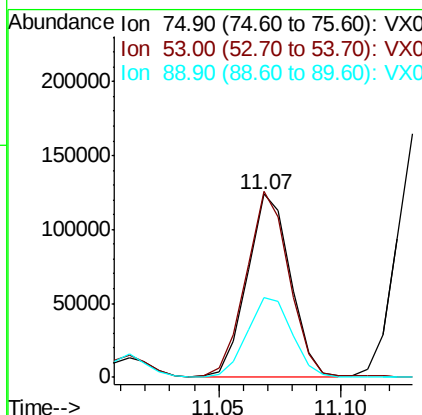
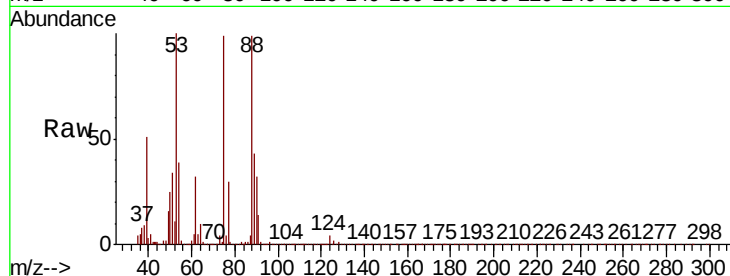
#81
trans-1,4-Dichloro-2-butene
Concen: 44.310 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	81.0	121.6
89	45.4	36.0	54.0

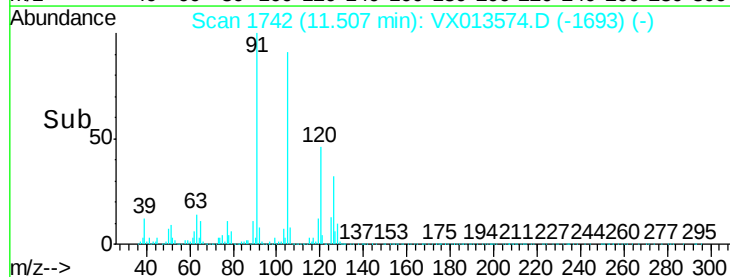
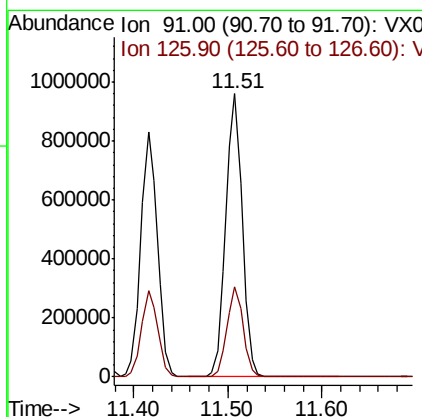
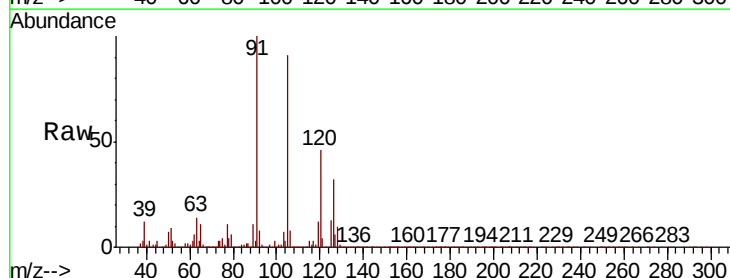
Manual Integrations
APPROVED

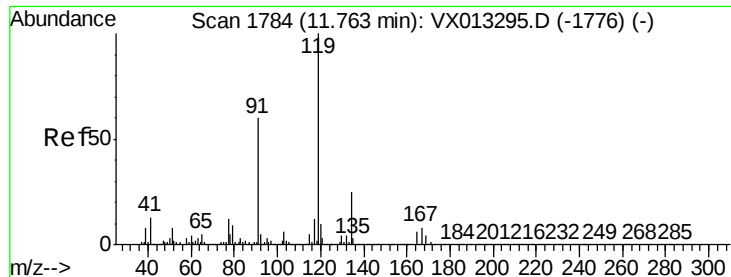
MMDadoda
11/25/2019 10:39:33 AM



#82
4-Chlorotoluene
Concen: 51.754 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.3	45.8





#83

tert-Butylbenzene

Concen: 45.274 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1093814

Ion Ratio Lower Upper

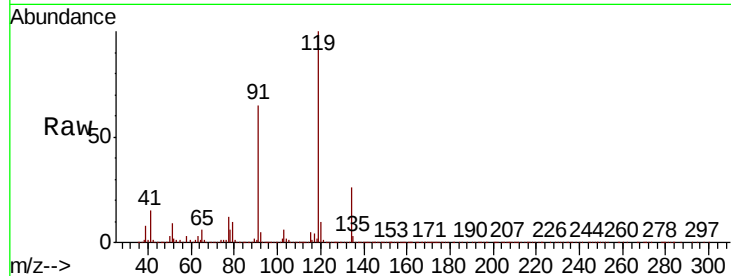
119 100

91 63.8 26.9 80.7

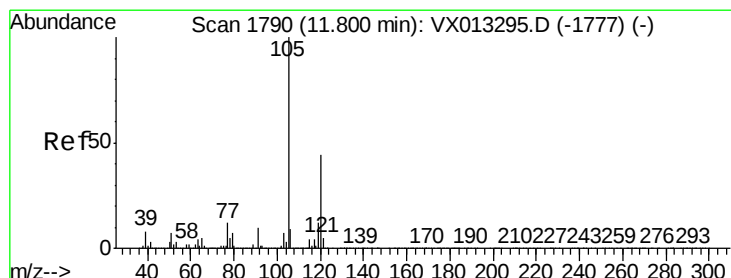
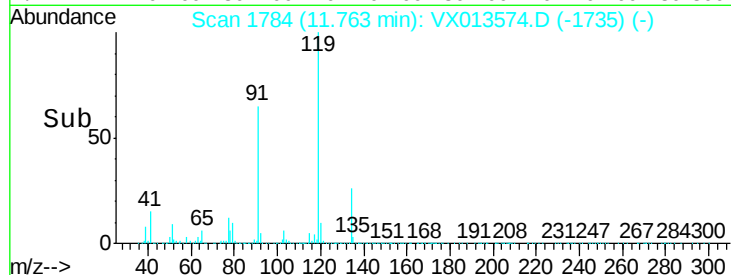
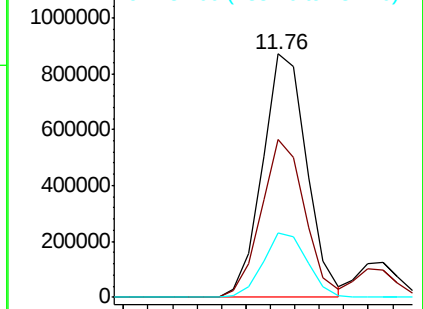
134 26.3 11.7 35.1

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.268 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013574.D

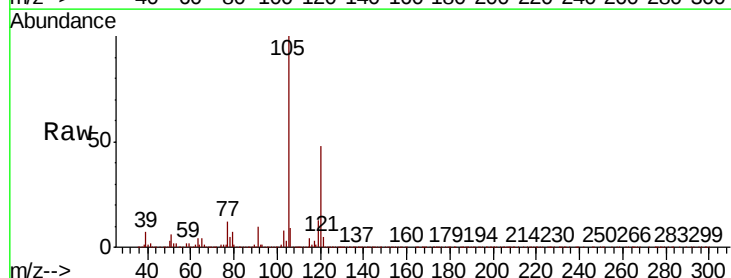
Acq: 23 Nov 2019 07:52

Tgt Ion:105 Resp: 1282490

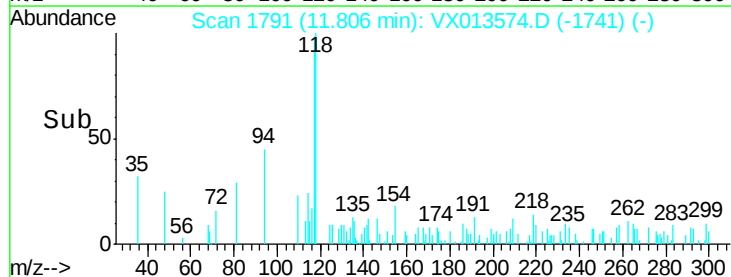
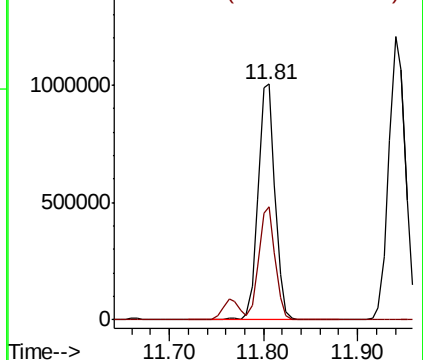
Ion Ratio Lower Upper

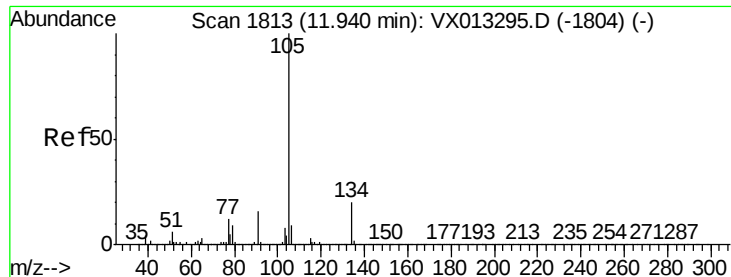
105 100

120 46.5 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.289 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1479669

Ion Ratio Lower Upper

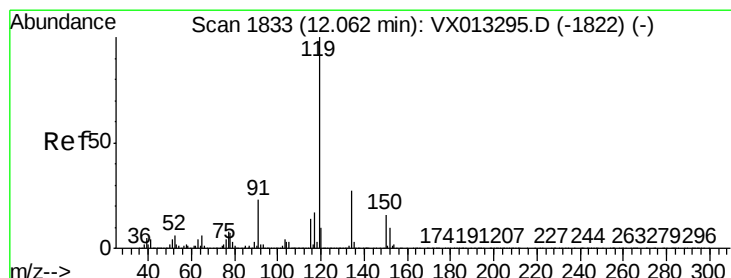
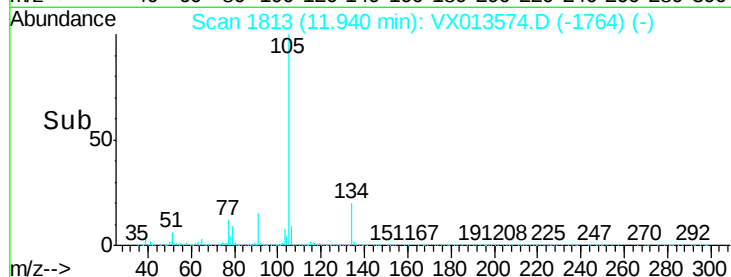
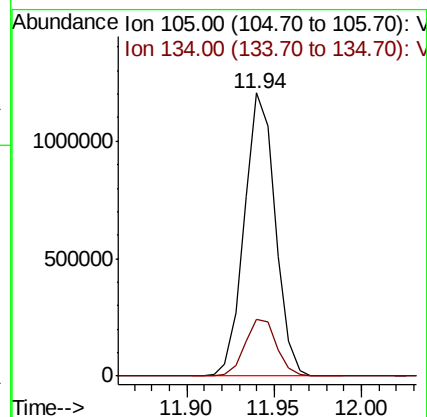
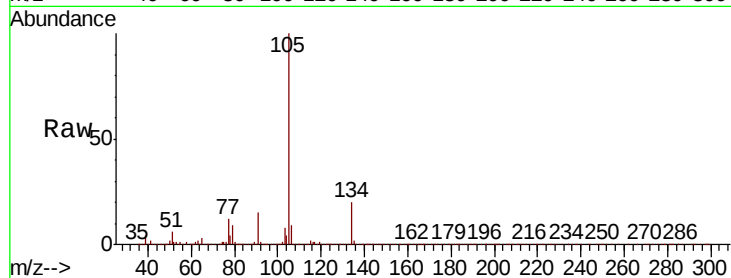
105 100

134 20.5 10.3 30.9

Manual Integrations
APPROVED

MMDadoda

11/25/2019 10:39:33 AM



#86

p-Isopropyltoluene

Concen: 52.491 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

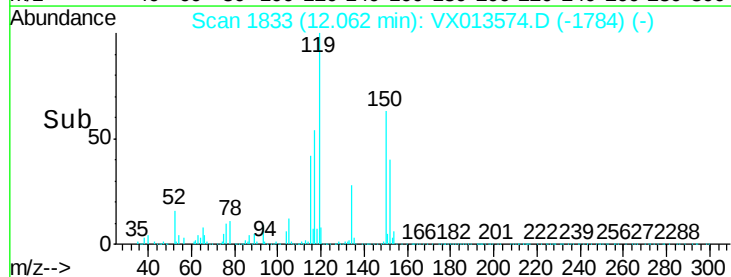
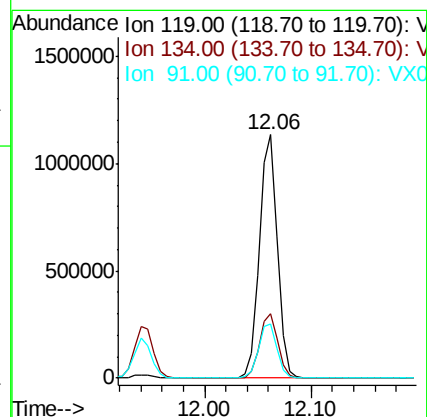
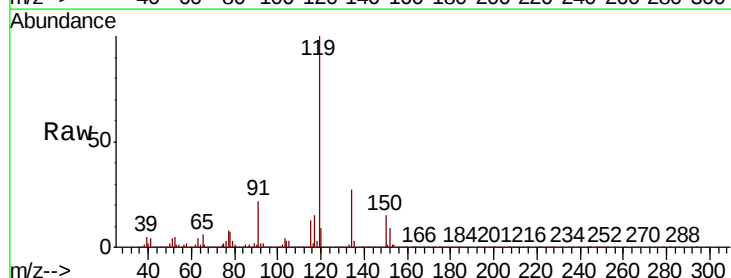
Tgt Ion:119 Resp: 1342126

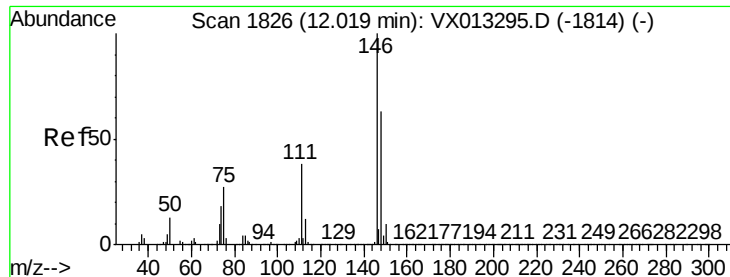
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 22.8 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 51.960 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

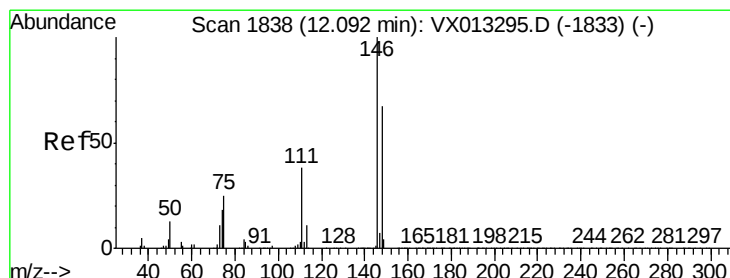
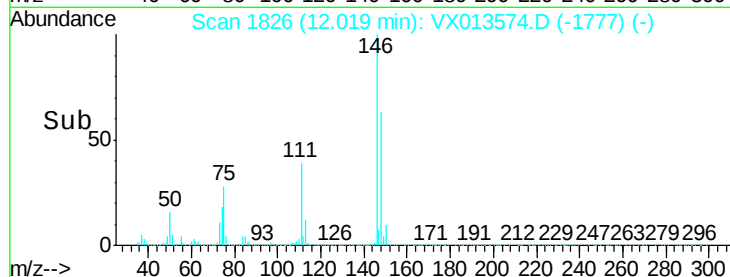
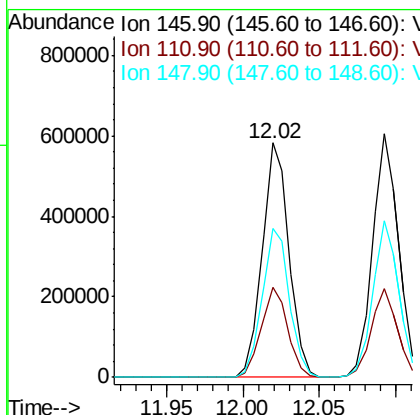
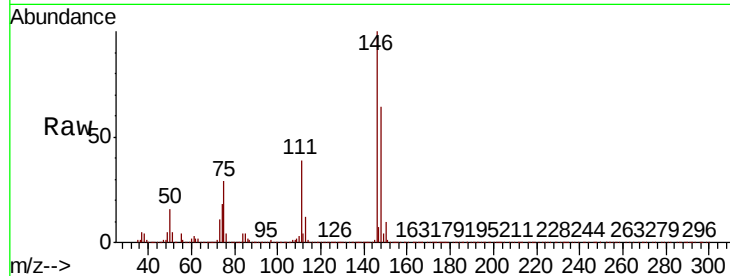
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	64.5	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM



#88

1,4-Dichlorobenzene

Concen: 51.056 ug/l

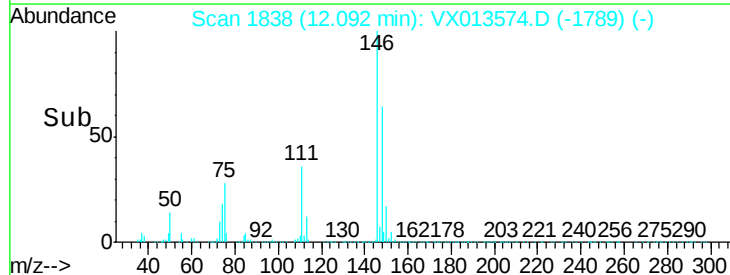
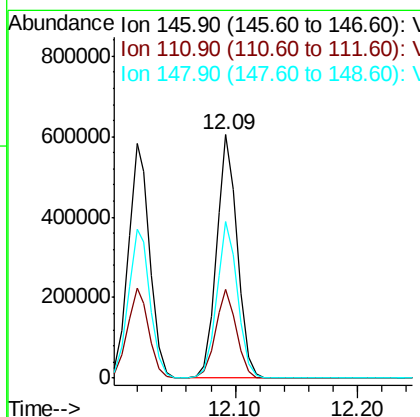
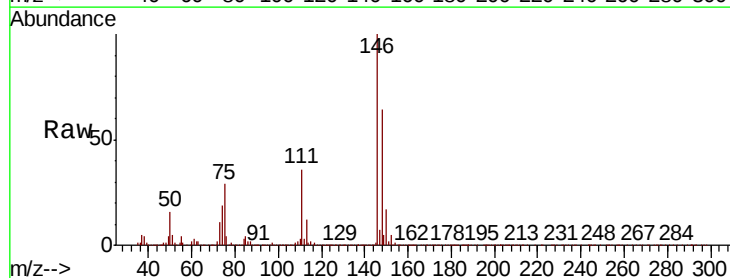
RT: 12.09 min Scan# 1838

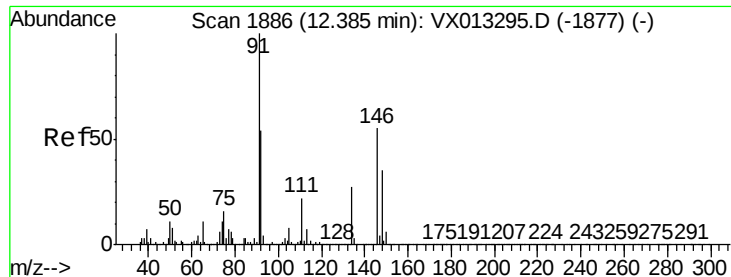
Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	64.3	32.4	97.0





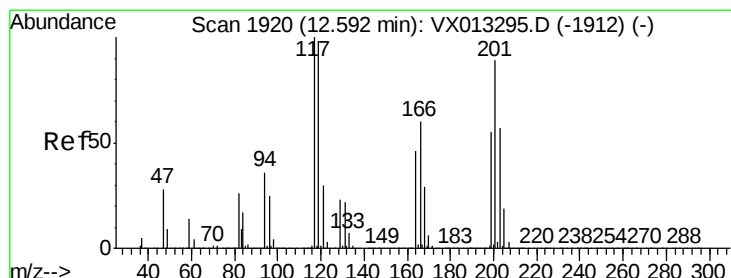
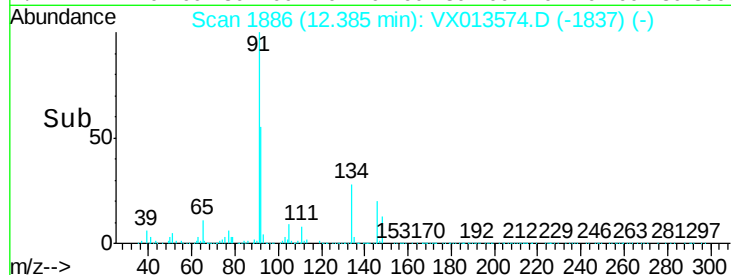
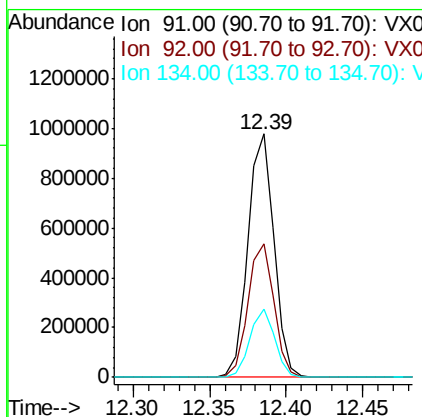
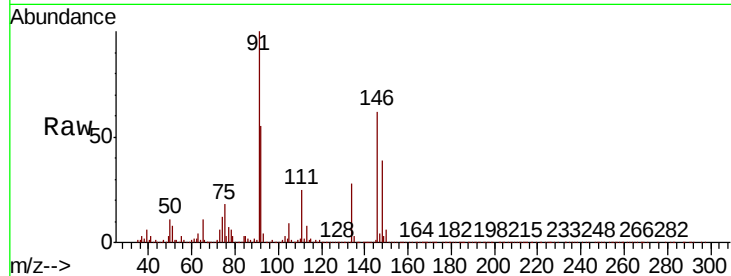
#89
n-Butylbenzene
Concen: 51.770 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1155013
Ion Ratio Lower Upper
91 100
92 54.8 27.3 81.8
134 27.2 13.5 40.5

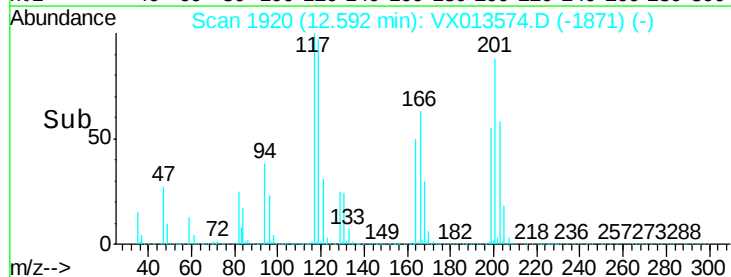
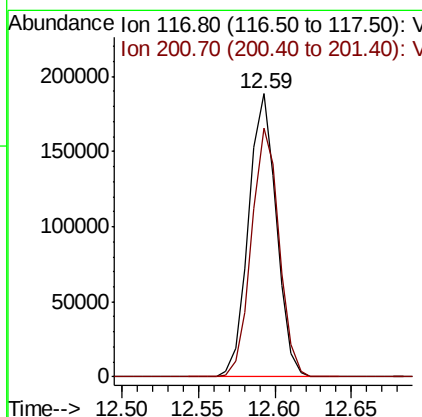
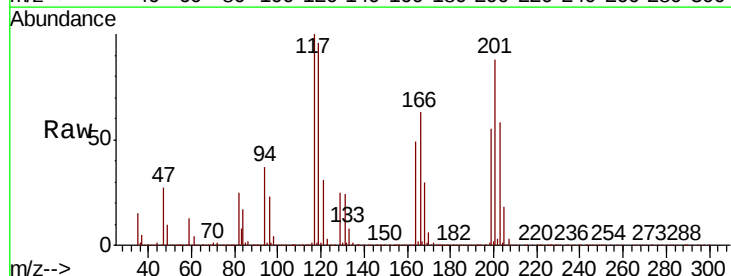
Manual Integrations
APPROVED

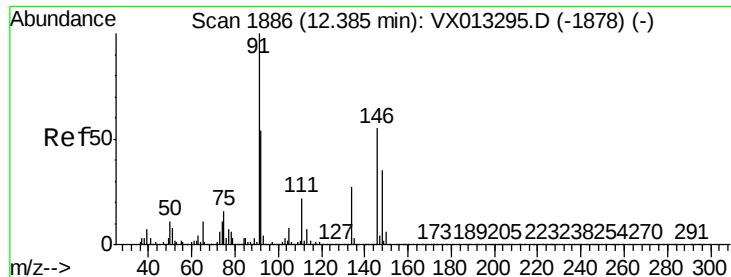
MMDadoda
11/25/2019 10:39:33 AM



#90
Hexachloroethane
Concen: 52.126 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion: 117 Resp: 237466
Ion Ratio Lower Upper
117 100
201 87.7 43.9 131.7





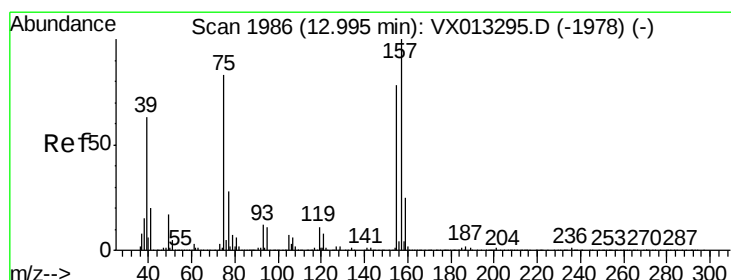
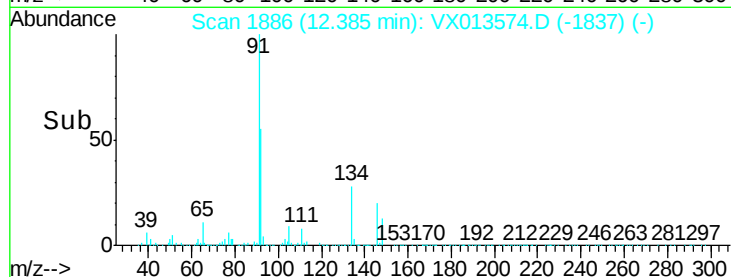
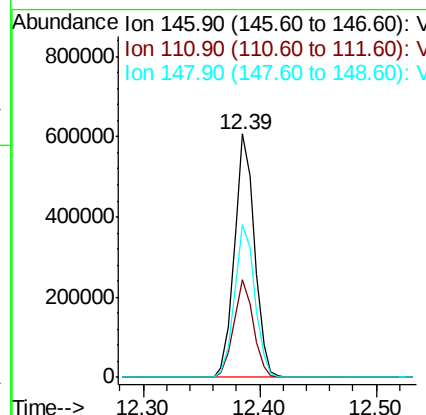
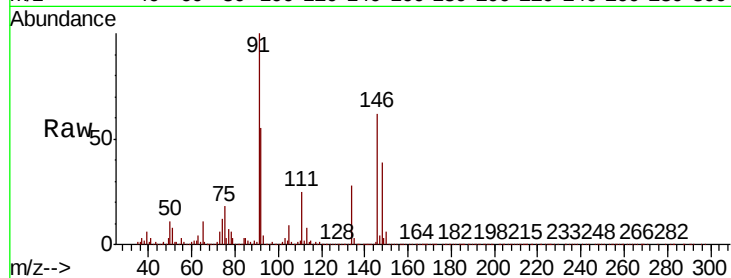
#91
1,2-Dichlorobenzene
Concen: 53.175 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.1	60.2
148	63.8	32.0	96.0

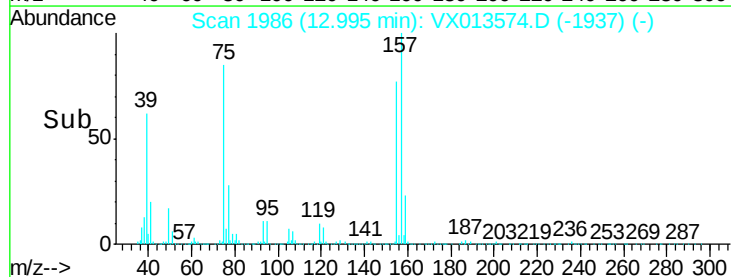
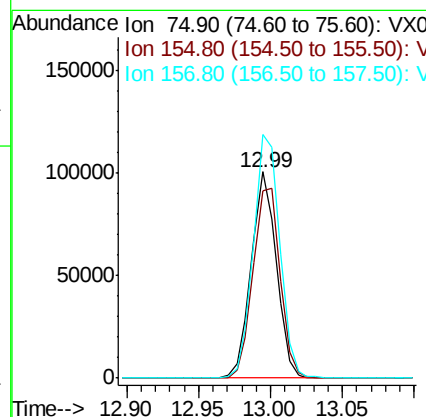
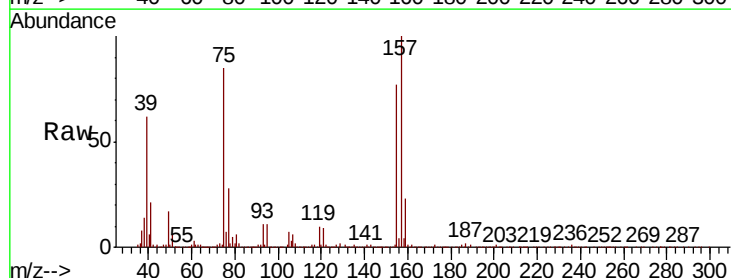
Manual Integrations
APPROVED

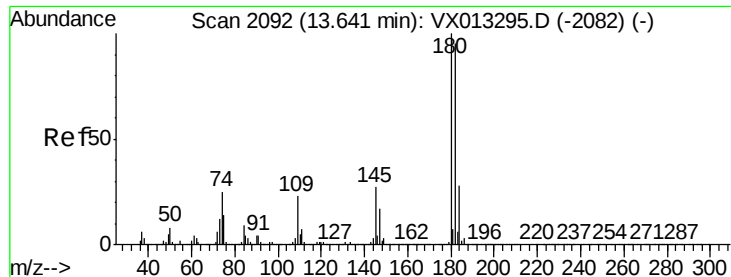
MMDadoda
11/25/2019 10:39:33 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.199 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VX013574.D
Acq: 23 Nov 2019 07:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	47.1	141.4
157	124.7	61.3	183.8





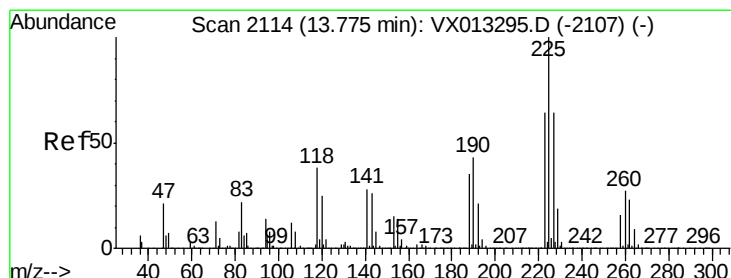
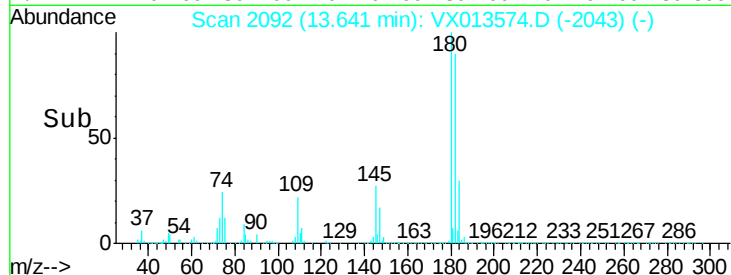
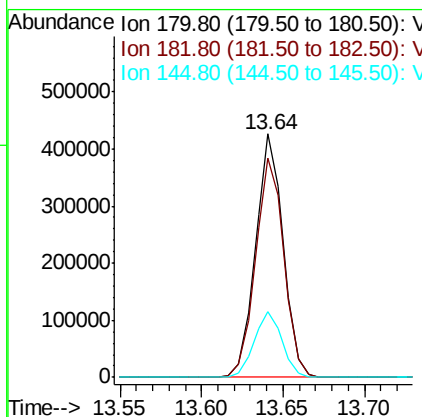
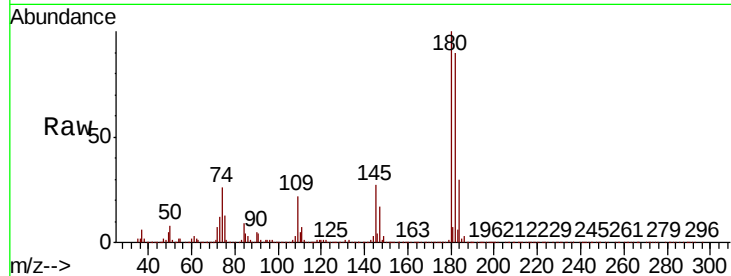
#93
 1,2,4-Trichlorobenzene
 Concen: 52.378 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013574.D
 Acq: 23 Nov 2019 07:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	500061
Ion Ratio	Lower	Upper	
180	100		
182	92.8	48.4	145.0
145	27.6	14.1	42.4

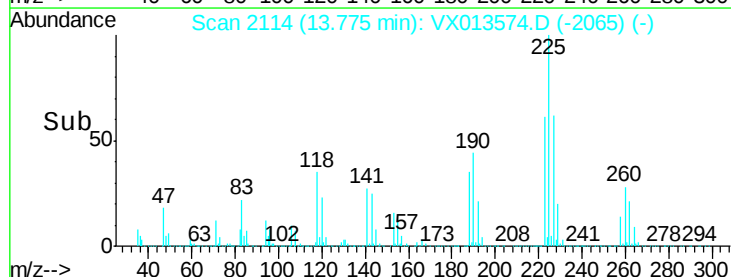
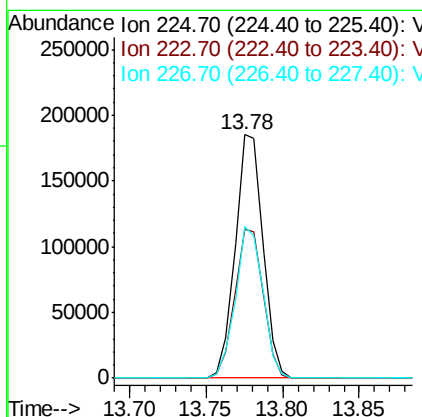
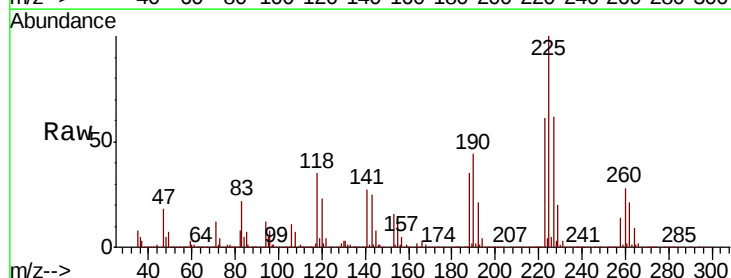
Manual Integrations
 APPROVED

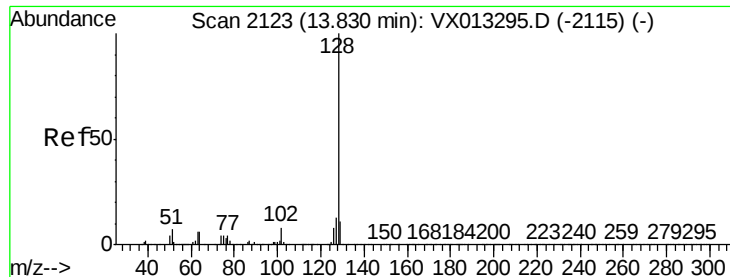
MMDadoda
 11/25/2019 10:39:33 AM



#94
 Hexachlorobutadiene
 Concen: 49.813 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013574.D
 Acq: 23 Nov 2019 07:52

Tgt Ion:	225	Resp:	232668
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.9	95.7
227	61.6	31.9	95.9





#95

Naphthalene

Concen: 53.392 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Instrument :

MSVOA_X

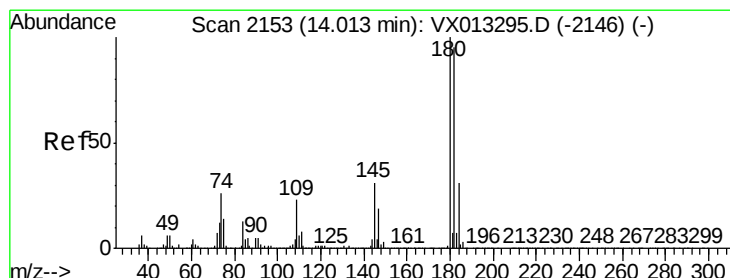
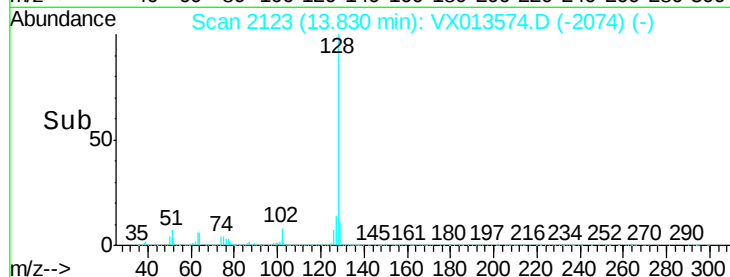
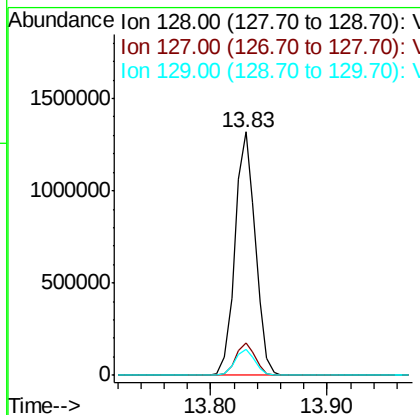
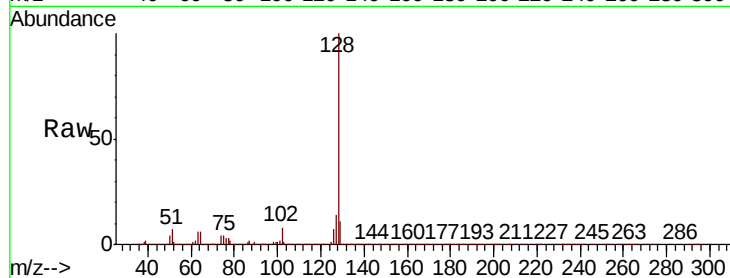
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	1599315
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:39:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.040 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX013574.D

Acq: 23 Nov 2019 07:52

Tgt Ion:	180	Resp:	507840
Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.0	144.2
145	30.2	15.4	46.4

