

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112619\
 Data File : VX013601.D
 Acq On : 26 Nov 2019 15:05
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 11/27/2019 2:09:33 PM

Quant Time: Nov 26 15:28:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	672685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1023653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	942968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	491755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	761938	96.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.58%	
35) Dibromofluoromethane	5.49	113	638769	100.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.50%	
50) Toluene-d8	8.71	98	2461596	102.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.56%	
62) 4-Bromofluorobenzene	11.14	95	911152	105.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	767304	100.095	ug/l	97
3) Chloromethane	1.31	50	830651	99.533	ug/l	99
4) Vinyl Chloride	1.40	62	956920	100.918	ug/l	100
5) Bromomethane	1.62	94	607475	93.390	ug/l	98
6) Chloroethane	1.70	64	512402	84.970	ug/l	98
7) Trichlorofluoromethane	1.91	101	1005928	90.605	ug/l	99
8) Diethyl Ether	2.18	74	461263	93.643	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	615610	98.078	ug/l	99
10) Methyl Iodide	2.50	142	840472	107.861	ug/l	99
11) Tert butyl alcohol	3.05	59	927315	449.301	ug/l	99
12) 1,1-Dichloroethene	2.36	96	629310	102.216	ug/l	96
13) Acrolein	2.28	56	651902	562.768	ug/l	99
14) Allyl chloride	2.72	41	1168597	104.165	ug/l	99
15) Acrylonitrile	3.13	53	1978657	509.038	ug/l	99
16) Acetone	2.44	43	1850015	471.505	ug/l	99
17) Carbon Disulfide	2.56	76	1783090	107.508	ug/l	100
18) Methyl Acetate	2.76	43	1097086	100.829	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	2103918	102.811	ug/l	98
20) Methylene Chloride	2.84	84	706898	96.598	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	670879	100.101	ug/l	97
22) Diisopropyl ether	3.84	45	2218448	102.934	ug/l	98
23) Vinyl Acetate	3.80	43	9359838	509.172	ug/l	100
24) 1,1-Dichloroethane	3.69	63	1221995	101.327	ug/l	99
25) 2-Butanone	4.66	43	2902572	503.399	ug/l	98
26) 2,2-Dichloropropane	4.57	77	1000418	103.849	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	774903	103.133	ug/l	99
28) Bromochloromethane	5.00	49	494089	134.997	ug/l	99
29) Tetrahydrofuran	5.11	42	1805993	509.448	ug/l	100
30) Chloroform	5.20	83	1184017	99.556	ug/l	98
31) Cyclohexane	5.57	56	1108349	101.330	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	1025104	100.379	ug/l	99
36) 1,1-Dichloropropene	5.79	75	923612	105.573	ug/l	99
37) Ethyl Acetate	4.82	43	1071072	99.841	ug/l	99
38) Carbon Tetrachloride	5.78	117	885424	104.169	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112619\
 Data File : VX013601.D
 Acq On : 26 Nov 2019 15:05
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 11/27/2019 2:09:33 PM

Quant Time: Nov 26 15:28:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1134733	103.641	ug/l	98
40) Benzene	6.14	78	2774347	101.741	ug/l	99
41) Methacrylonitrile	5.03	41	601531	100.035	ug/l	98
42) 1,2-Dichloroethane	6.18	62	956305	98.534	ug/l	99
43) Isopropyl Acetate	6.43	43	1759742	105.138	ug/l	100
44) Trichloroethene	7.20	130	756316	100.592	ug/l	97
45) 1,2-Dichloropropane	7.51	63	716076	103.237	ug/l	99
46) Dibromomethane	7.65	93	474399	100.653	ug/l	100
47) Bromodichloromethane	7.89	83	944415	106.064	ug/l	99
48) Methyl methacrylate	7.76	41	894429	107.456	ug/l	99
49) 1,4-Dioxane	7.73	88	385172	2026.027	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	5519789	505.715	ug/l	99
52) Toluene	8.78	92	1739973	102.924	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1093336	111.869	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	1188170	108.482	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	710063	101.768	ug/l	98
56) Ethyl methacrylate	9.17	69	1217764	112.746	ug/l	99
57) 1,3-Dichloropropane	9.37	76	1205084	101.729	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	2299130	492.538	ug/l	99
59) 2-Hexanone	9.49	43	4413403	523.388	ug/l	100
60) Dibromochloromethane	9.58	129	782181	109.564	ug/l	100
61) 1,2-Dibromoethane	9.67	107	755098	102.183	ug/l	99
64) Tetrachloroethene	9.33	164	658060	97.815	ug/l	99
65) Chlorobenzene	10.14	112	1907346	100.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	716387	102.775	ug/l	100
67) Ethyl Benzene	10.25	91	3353117	102.009	ug/l	98
68) m/p-Xylenes	10.35	106	2570497	207.312	ug/l	99
69) o-Xylene	10.70	106	1261068	103.474	ug/l	99
70) Styrene	10.71	104	2195080	108.044	ug/l	100
71) Bromoform	10.85	173	638895	113.272	ug/l #	100
73) Isopropylbenzene	11.01	105	3287831	100.691	ug/l	100
74) N-amyl acetate	10.89	43	1632458	108.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	1159671	97.903	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	1084684m	106.005	ug/l	
77) Bromobenzene	11.25	156	886782	101.878	ug/l	99
78) n-propylbenzene	11.35	91	3748087	103.266	ug/l	100
79) 2-Chlorotoluene	11.42	91	2218351	101.464	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	2810538	103.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	424683	109.579	ug/l	96
82) 4-Chlorotoluene	11.51	91	2593252	101.413	ug/l	100
83) tert-Butylbenzene	11.77	119	2844315	104.402	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	2815876	103.641	ug/l	99
85) sec-Butylbenzene	11.94	105	3241072	103.263	ug/l	100
86) p-Isopropyltoluene	12.06	119	3017882	104.511	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1573346	101.693	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	1568552	99.612	ug/l	99
89) n-Butylbenzene	12.39	91	2670466	106.329	ug/l	100
90) Hexachloroethane	12.59	117	566022	109.866	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	1559272	100.766	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	269299	94.250	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
Data File : VX013601.D
Acq On : 26 Nov 2019 15:05
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

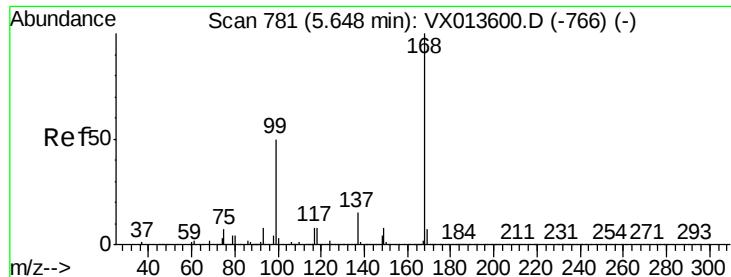
Manual Integrations
APPROVED

apatel
11/27/2019 2:09:33 PM

Quant Time: Nov 26 15:28:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:03:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1119267	103.935	ug/l	99
94) Hexachlorobutadiene	13.78	225	511668	98.035	ug/l	98
95) Naphthalene	13.83	128	3489729	104.524	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1125083	104.718	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: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 672685

Ion Ratio Lower Upper

168 100

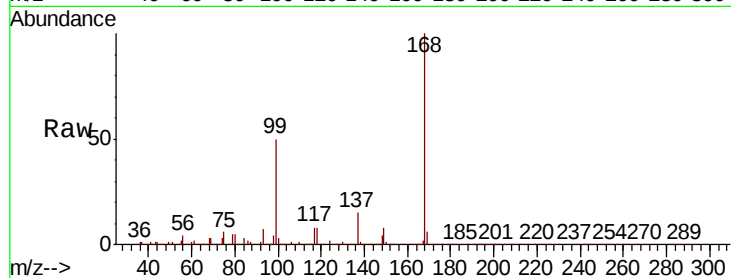
99 49.7 39.8 59.8

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

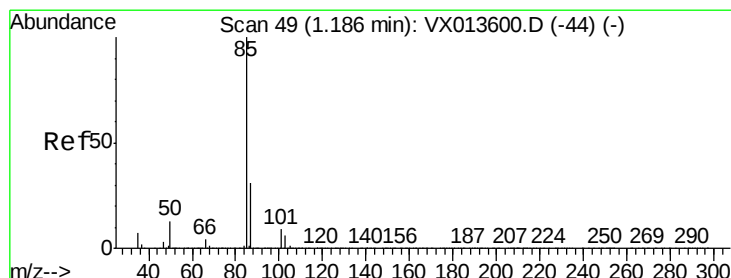
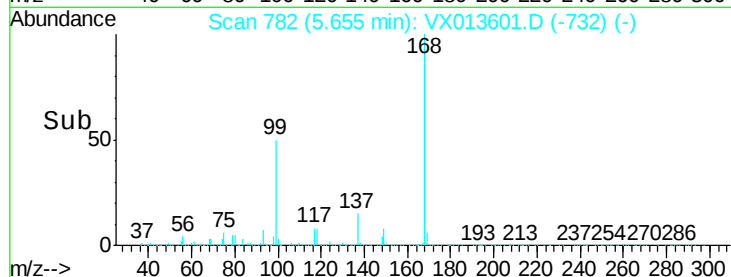
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 100.095 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013601.D

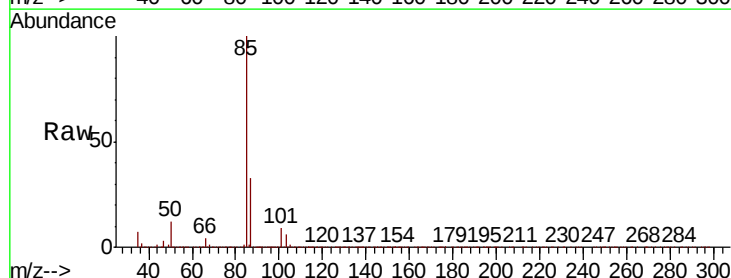
Acq: 26 Nov 2019 15:05

Tgt Ion: 85 Resp: 767304

Ion Ratio Lower Upper

85 100

87 33.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

800000

600000

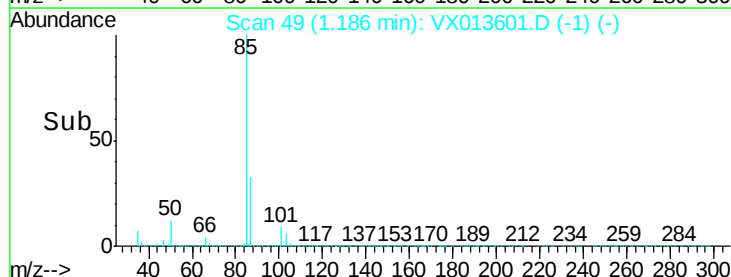
400000

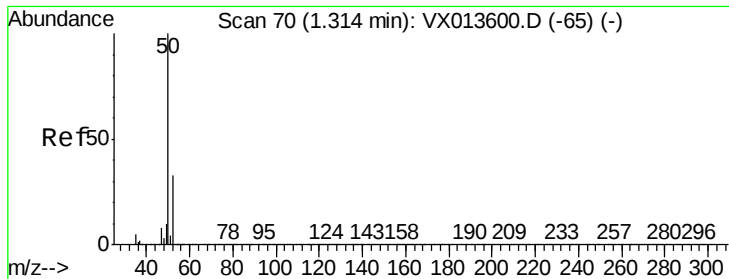
200000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 99.533 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 830651

Ion Ratio Lower Upper

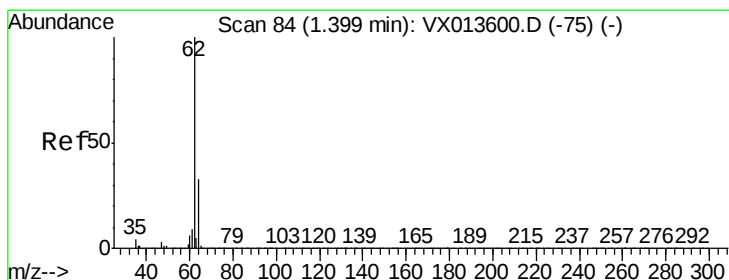
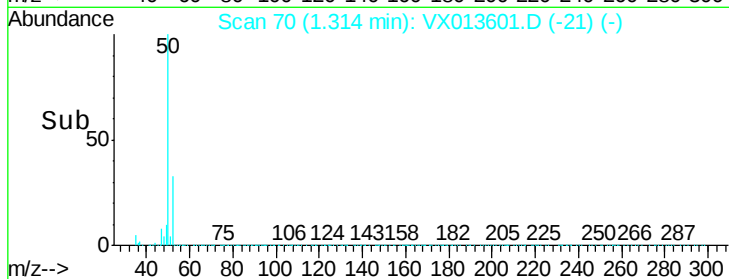
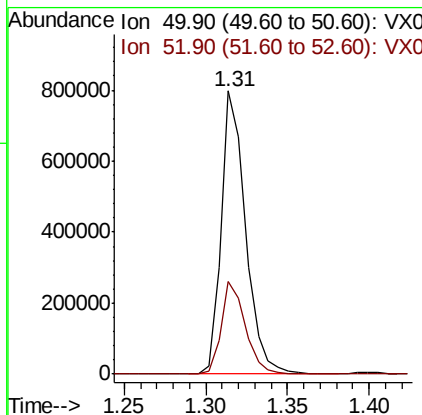
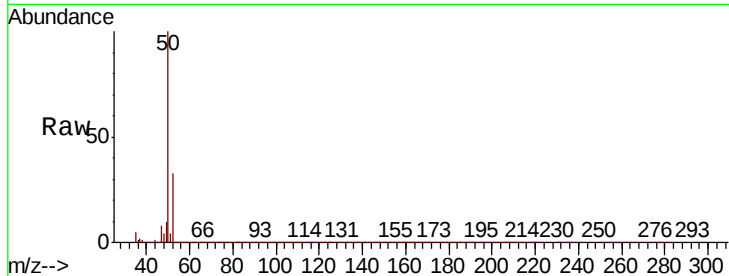
50 100

52 33.0 26.0 39.0

Manual Integrations
APPROVED

apatel

11/27/2019 2:09:33 PM



#4

Vinyl Chloride

Concen: 100.918 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013601.D

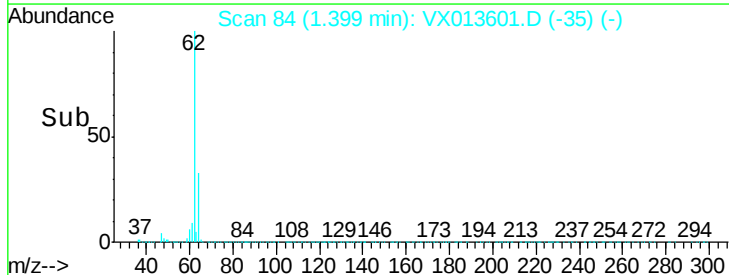
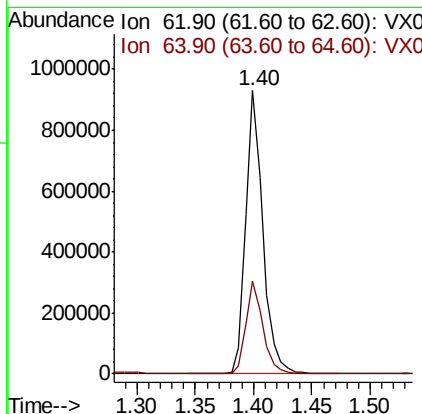
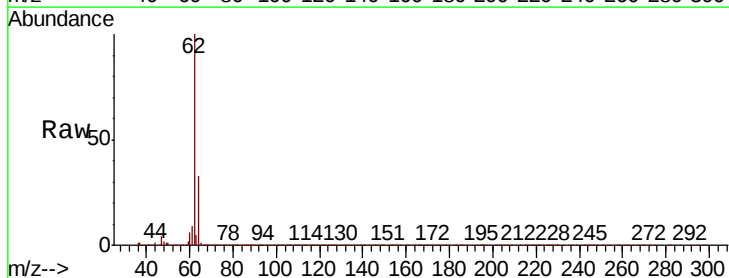
Acq: 26 Nov 2019 15:05

Tgt Ion: 62 Resp: 956920

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 93.390 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 607475

Ion Ratio Lower Upper

94 100

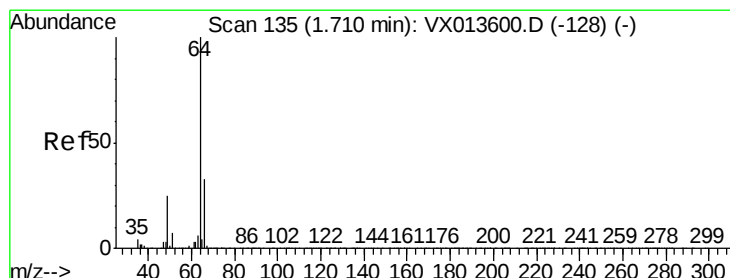
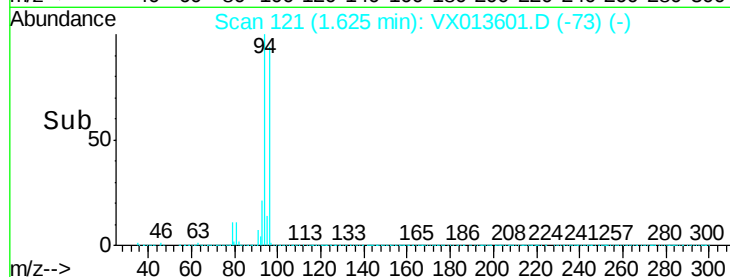
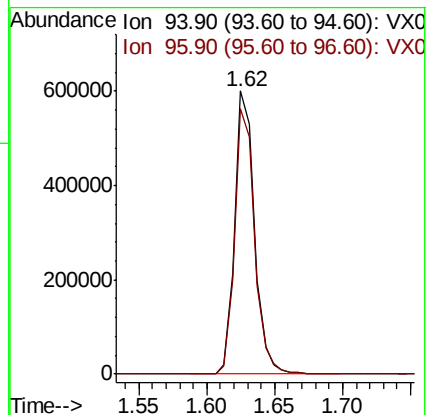
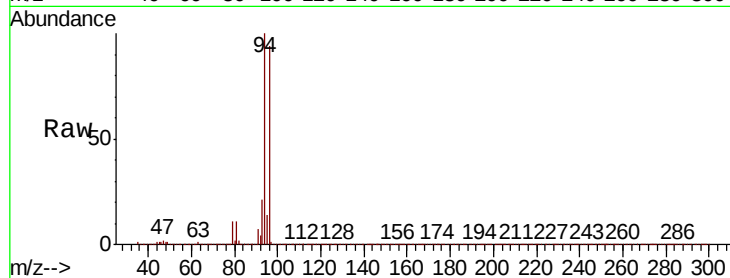
96 93.8 77.0 115.4

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#6

Chloroethane

Concen: 84.970 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013601.D

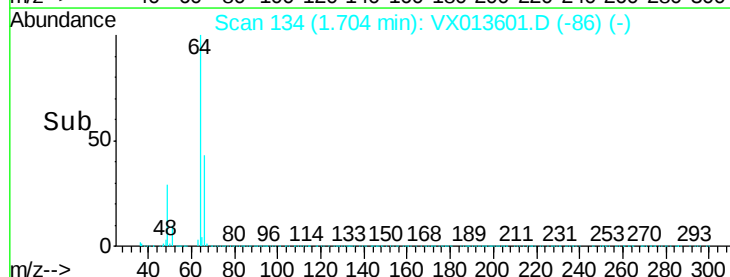
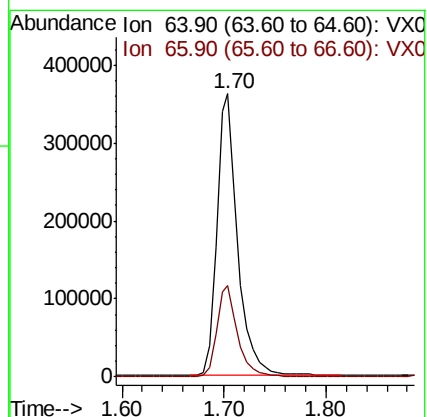
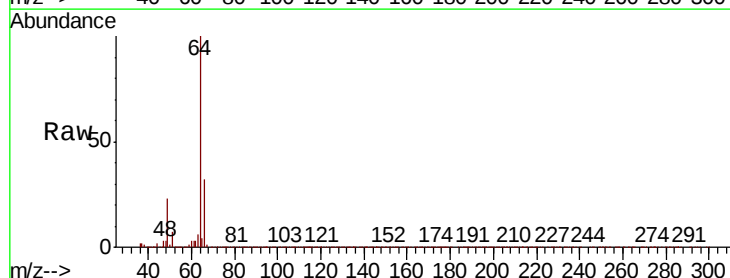
Acq: 26 Nov 2019 15:05

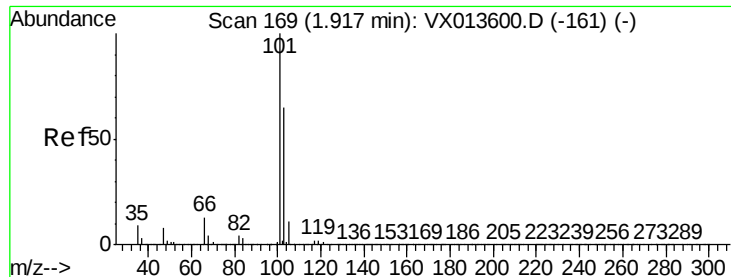
Tgt Ion: 64 Resp: 512402

Ion Ratio Lower Upper

64 100

66 32.3 26.7 40.1





#7

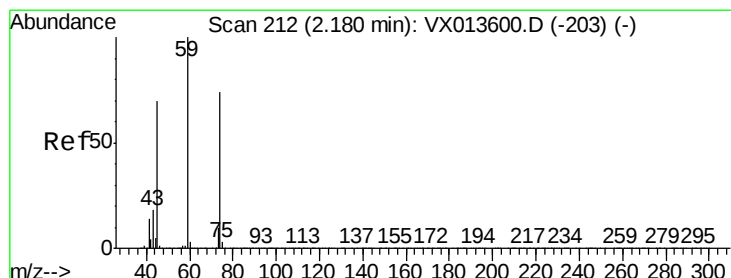
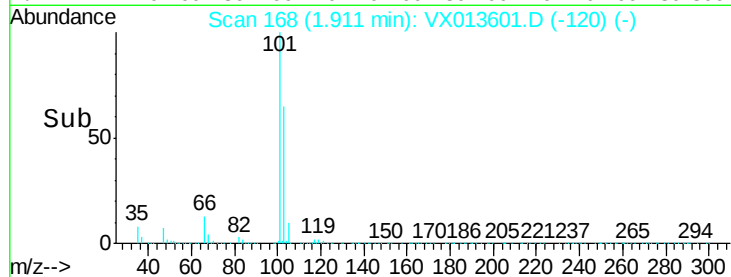
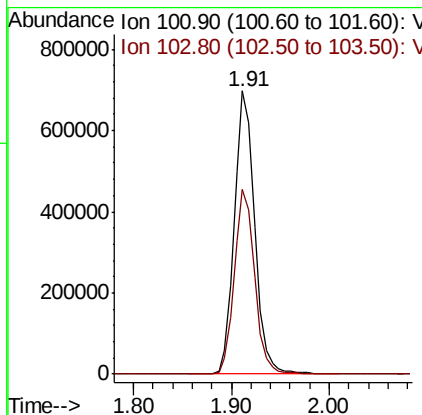
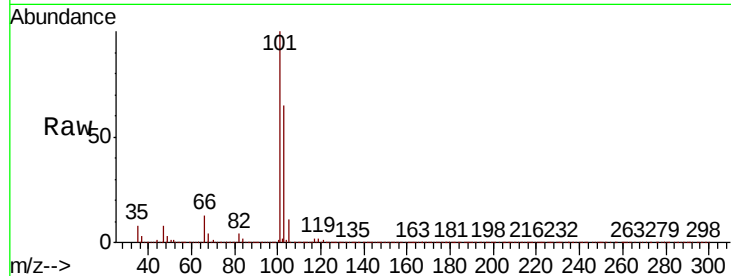
Trichlorofluoromethane
Concen: 90.605 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6

Manual Integrations
APPROVED

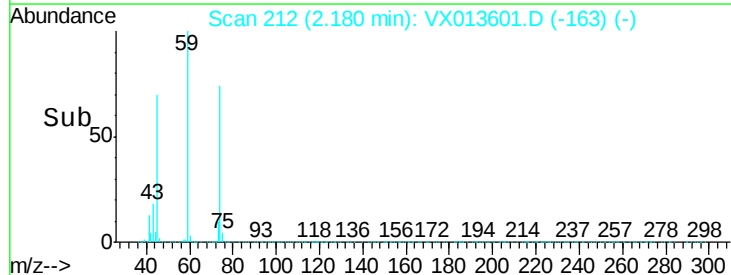
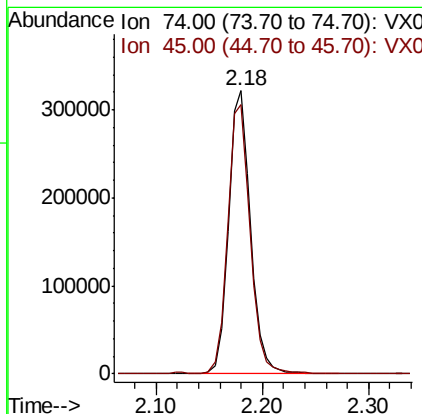
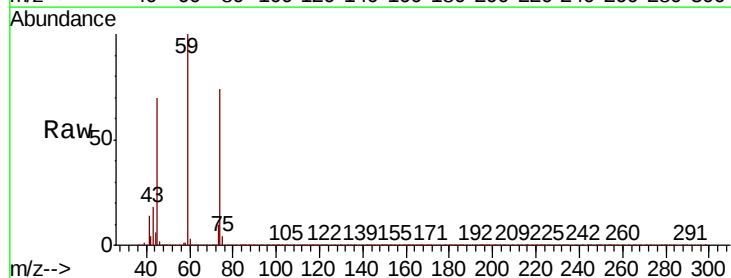
apatel
11/27/2019 2:09:33 PM

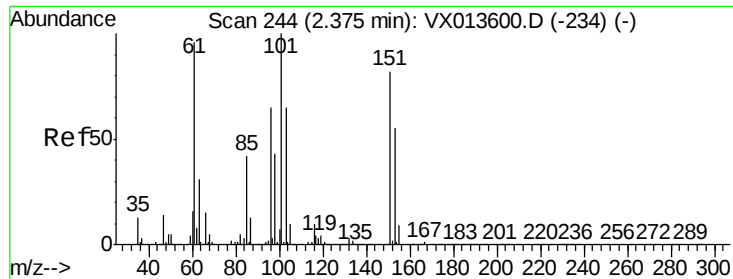


#8

Diethyl Ether
Concen: 93.643 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.078 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

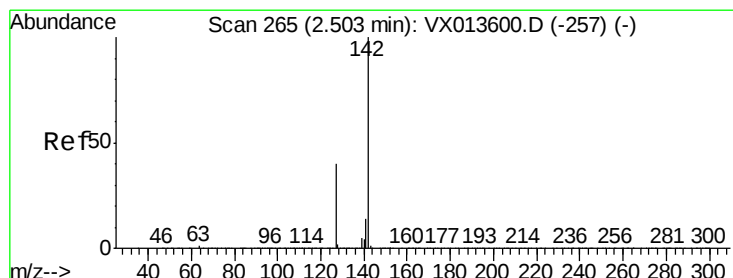
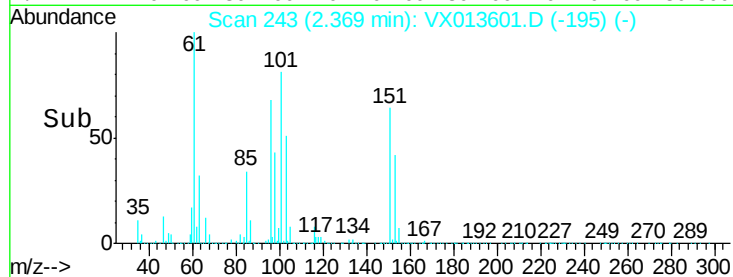
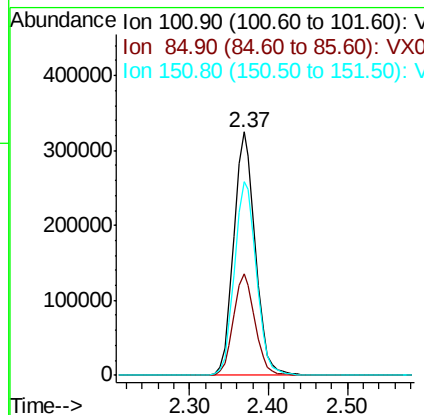
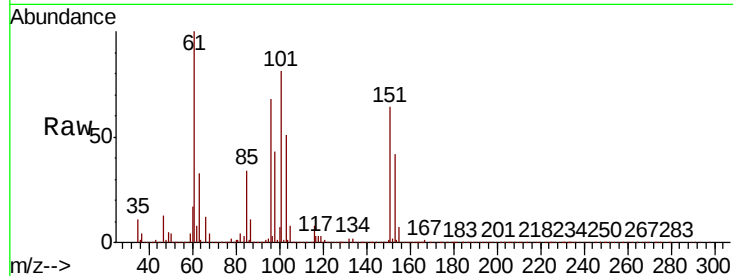
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	615610
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.9	50.9
151	81.2	64.2	96.2

Manual Integrations
APPROVED

apatel
11/27/2019 2:09:33 PM



#10

Methyl Iodide

Concen: 107.861 ug/l

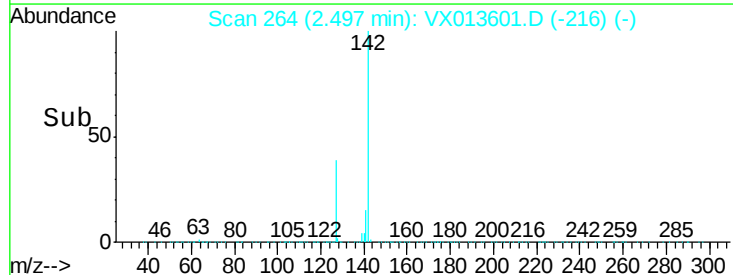
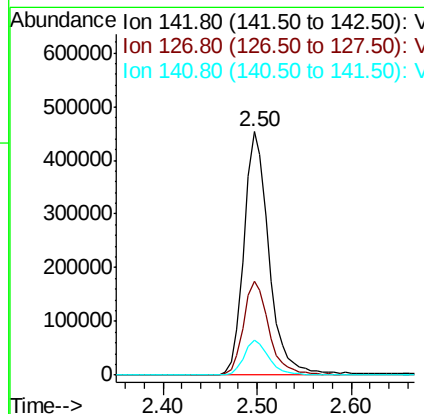
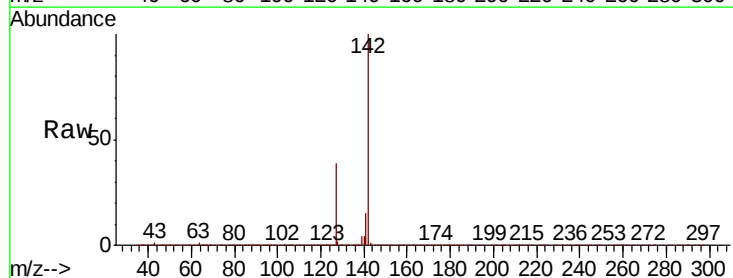
RT: 2.50 min Scan# 264

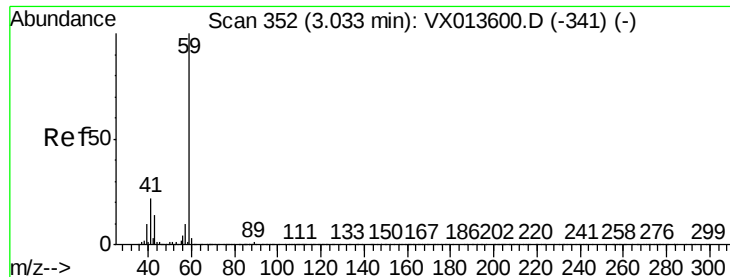
Delta R.T. -0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Tgt Ion:	142	Resp:	840472
Ion Ratio	Lower	Upper	
142	100		
127	39.2	31.0	46.4
141	14.4	11.6	17.4





#11

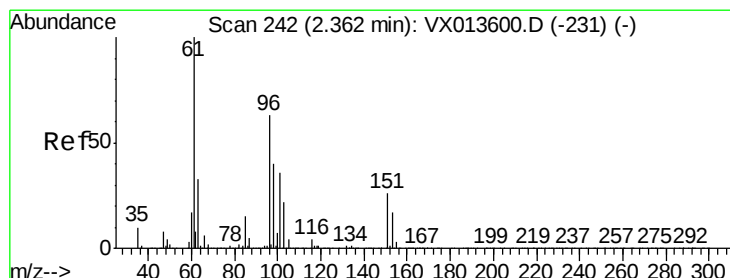
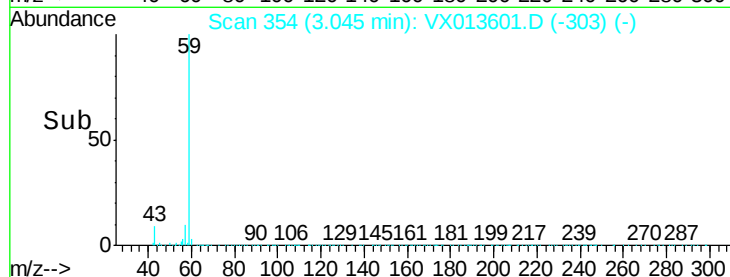
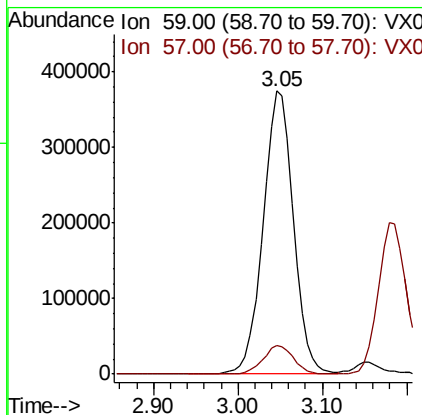
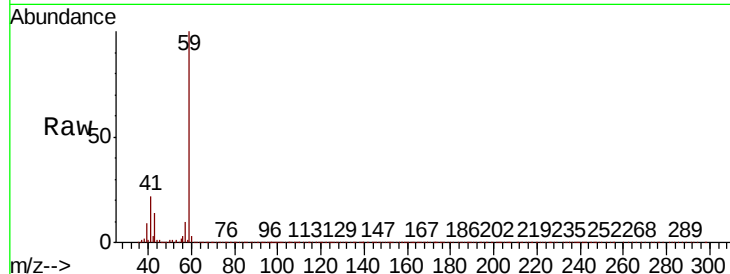
Tert butyl alcohol
Concen: 449.301 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.01 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.6

Manual Integrations
APPROVED

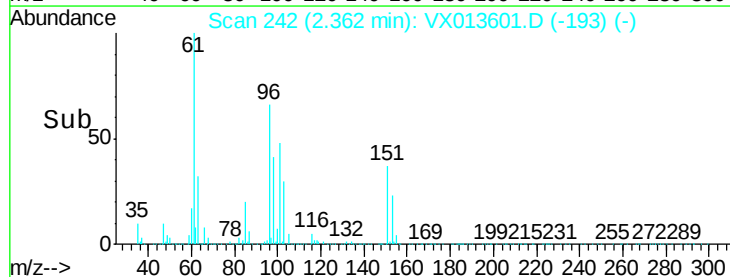
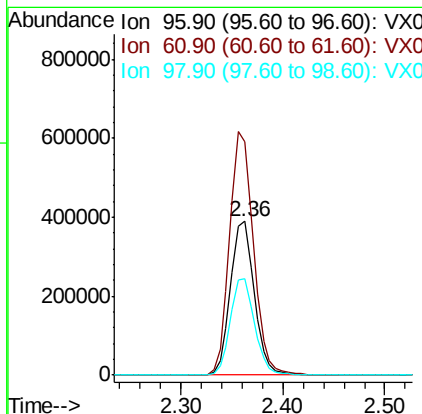
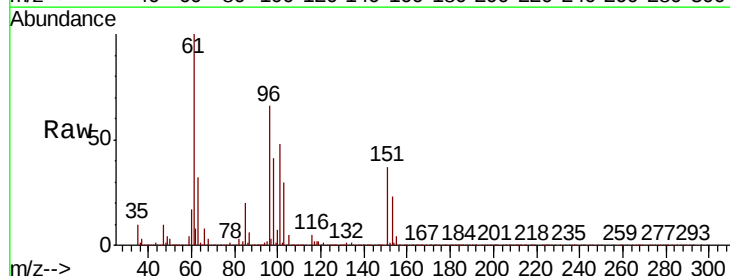
apatel
11/27/2019 2:09:33 PM

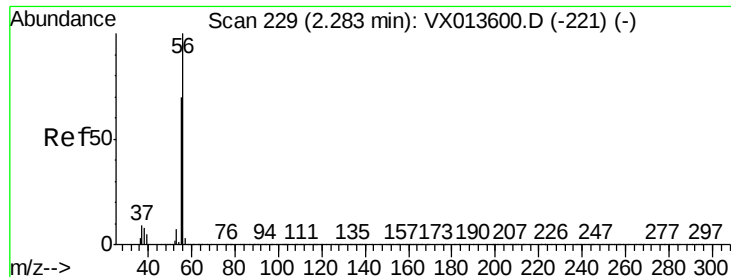


#12

1,1-Dichloroethene
Concen: 102.216 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	126.6	190.0
98	62.6	50.6	76.0





#13

Acrolein

Concen: 562.768 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 651902

Ion Ratio Lower Upper

56 100

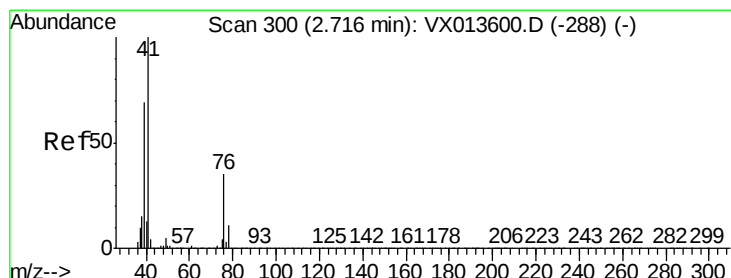
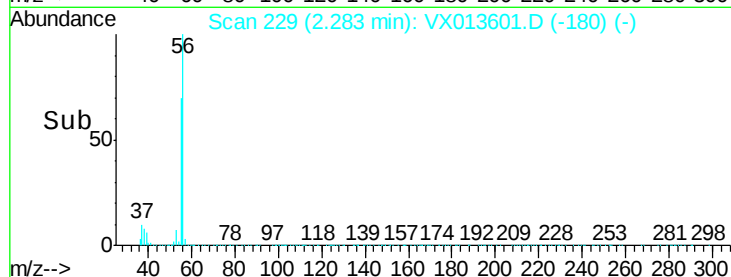
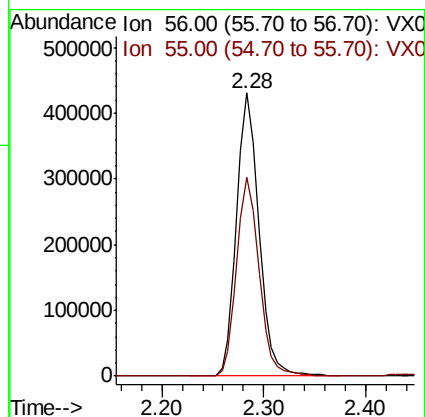
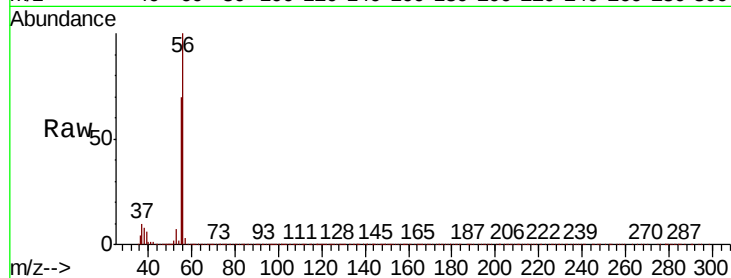
55 70.8 56.2 84.4

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#14

Allyl chloride

Concen: 104.165 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

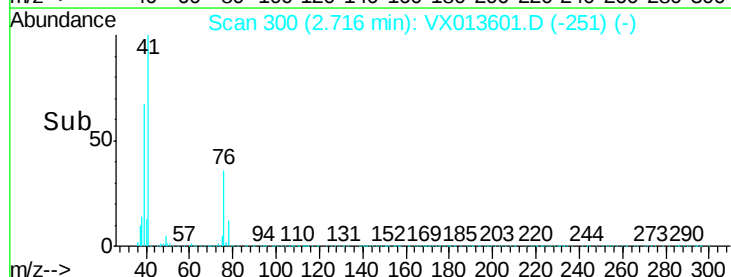
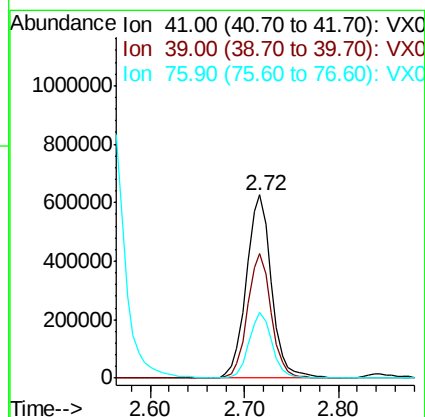
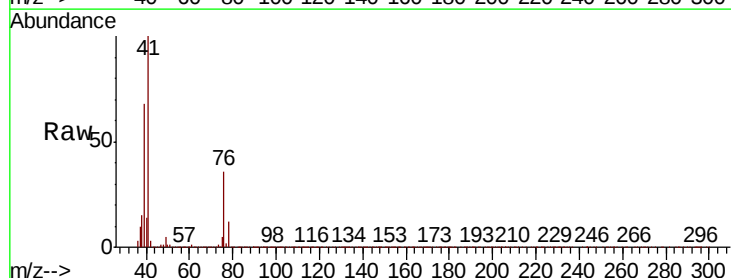
Tgt Ion: 41 Resp: 1168597

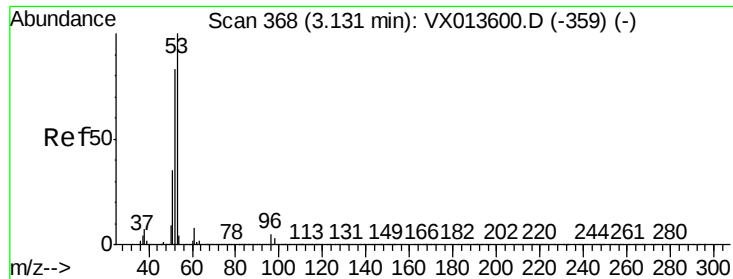
Ion Ratio Lower Upper

41 100

39 64.2 51.7 77.5

76 32.9 25.9 38.9





#15

Acrylonitrile

Concen: 509.038 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1978657

Ion Ratio Lower Upper

53 100

52 83.2 66.2 99.2

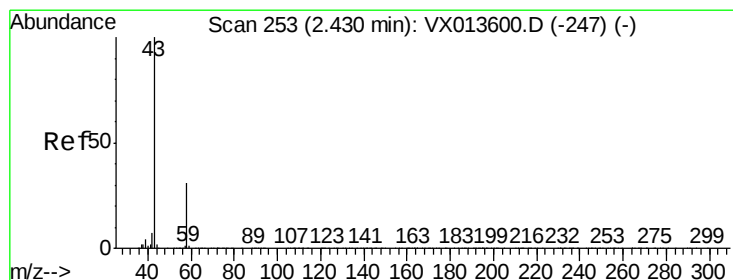
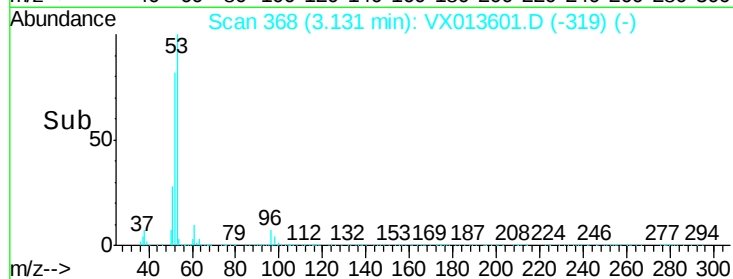
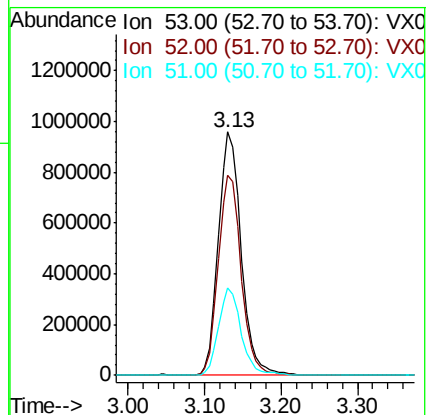
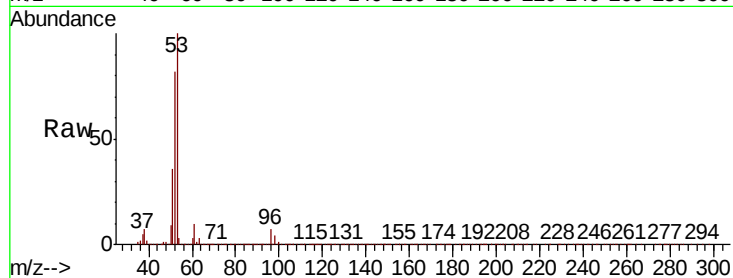
51 35.4 29.0 43.6

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#16

Acetone

Concen: 471.505 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013601.D

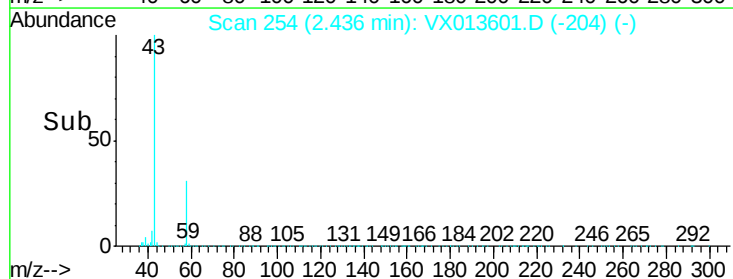
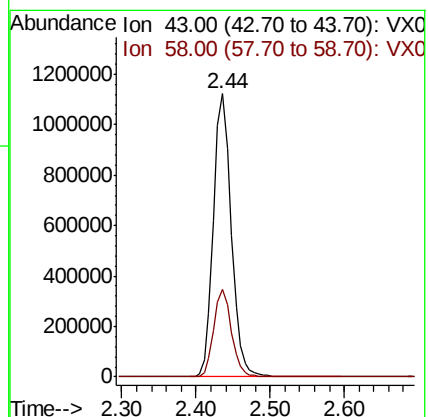
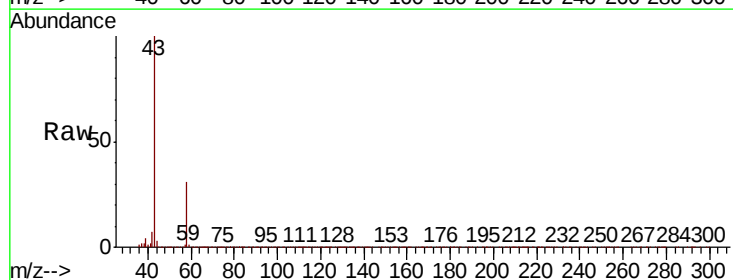
Acq: 26 Nov 2019 15:05

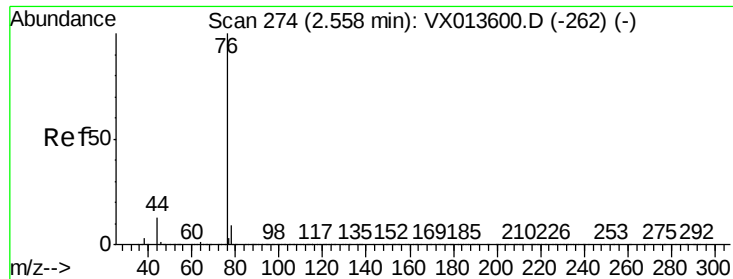
Tgt Ion: 43 Resp: 1850015

Ion Ratio Lower Upper

43 100

58 31.0 24.6 36.8





#17

Carbon Disulfide

Concen: 107.508 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 1783090

Ion Ratio Lower Upper

76 100

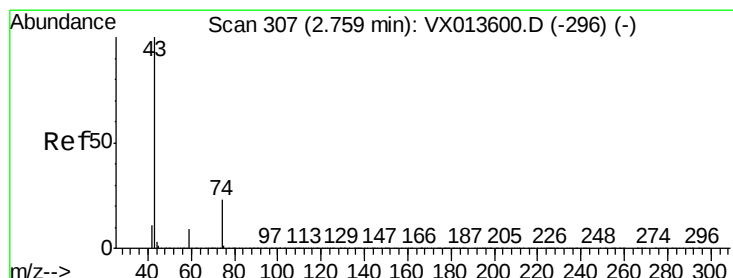
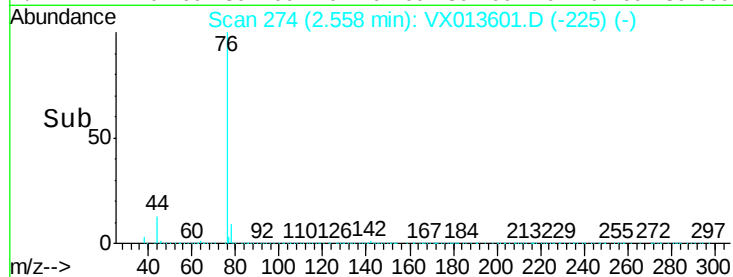
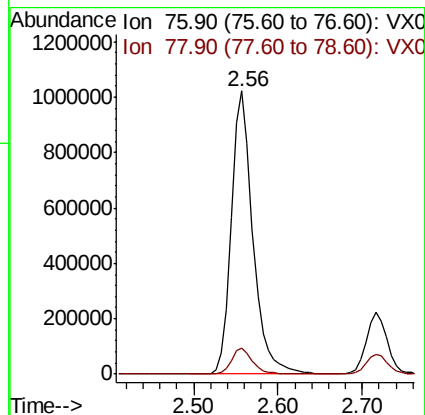
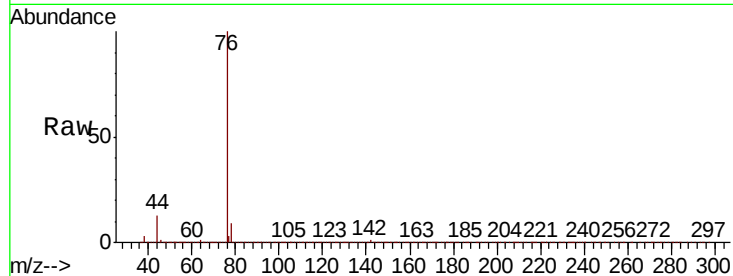
78 9.1 7.2 10.8

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#18

Methyl Acetate

Concen: 100.829 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013601.D

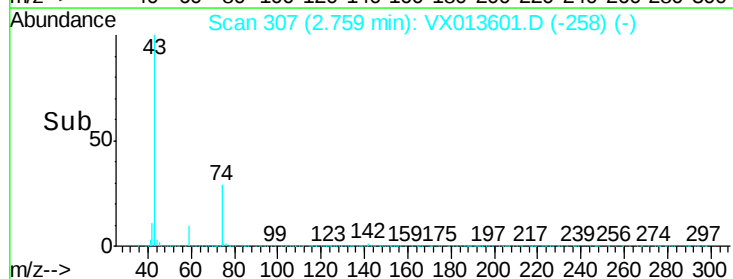
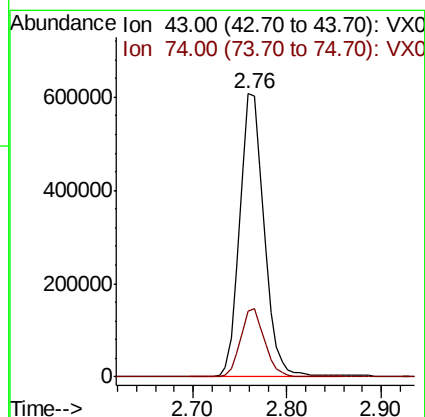
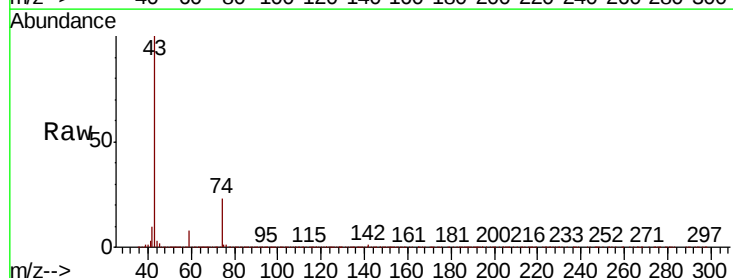
Acq: 26 Nov 2019 15:05

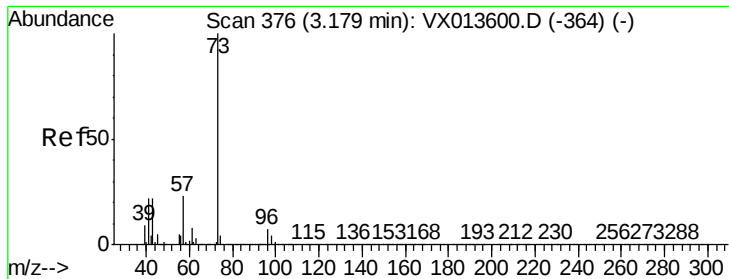
Tgt Ion: 43 Resp: 1097086

Ion Ratio Lower Upper

43 100

74 24.2 19.5 29.3





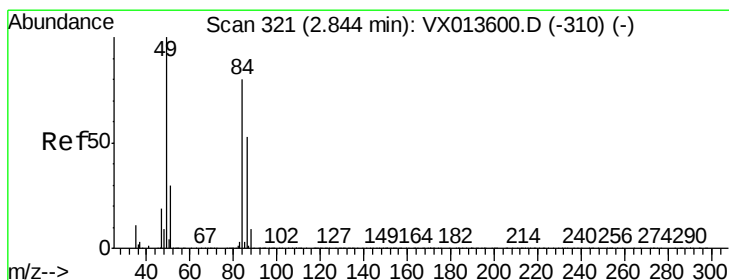
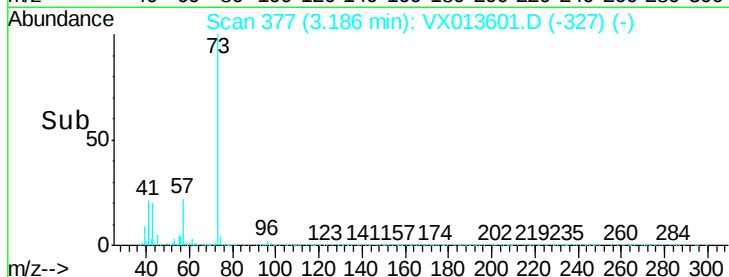
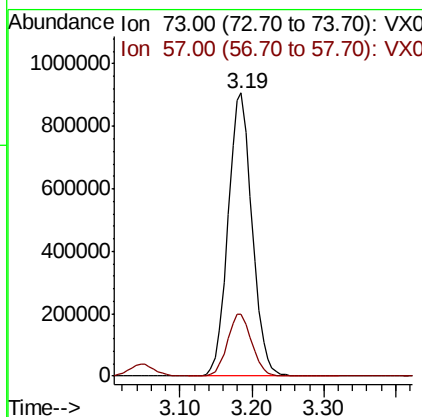
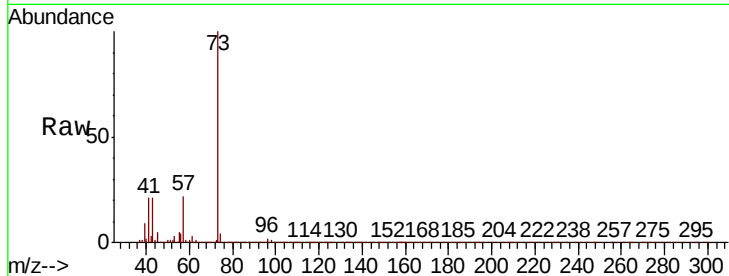
#19
Methvl tert-butvl Ether
Concen: 102.811 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 2103918
Ion Ratio Lower Upper
73 100
57 21.9 18.3 27.5

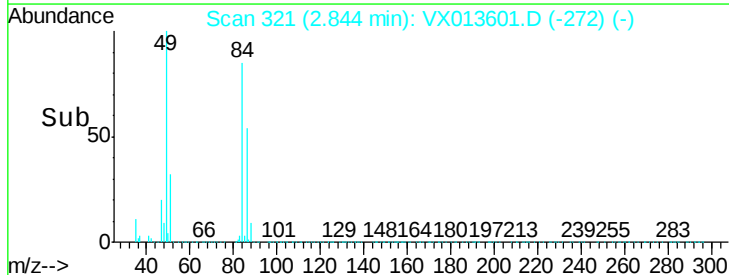
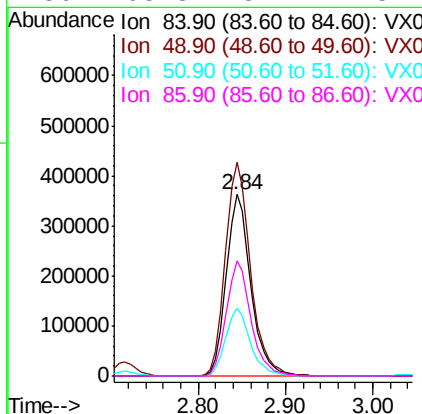
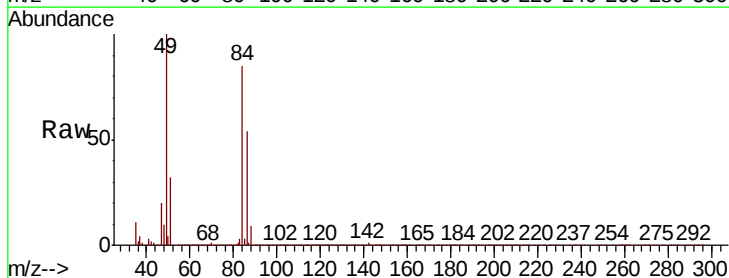
Manual Integrations
APPROVED

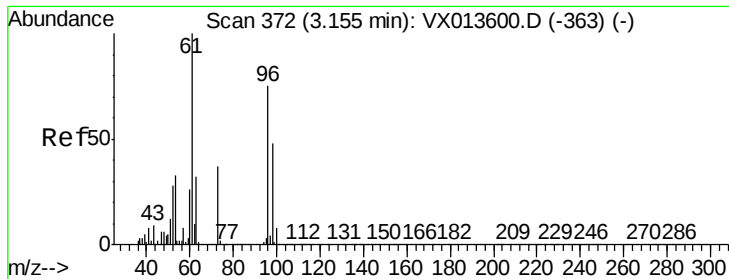
apatel
11/27/2019 2:09:33 PM



#20
Methylene Chloride
Concen: 96.598 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion: 84 Resp: 706898
Ion Ratio Lower Upper
84 100
49 117.8 99.7 149.5
51 37.6 29.9 44.9
86 63.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 100.101 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 670879

Ion Ratio Lower Upper

96 100

61 137.5 107.2 160.8

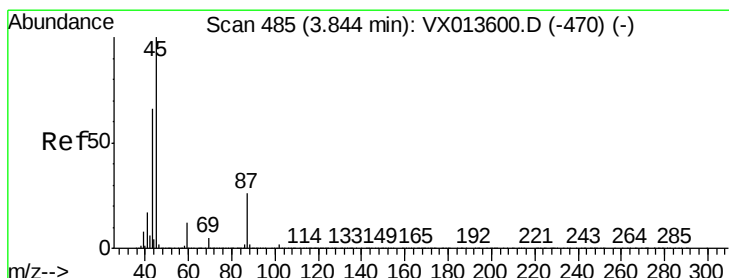
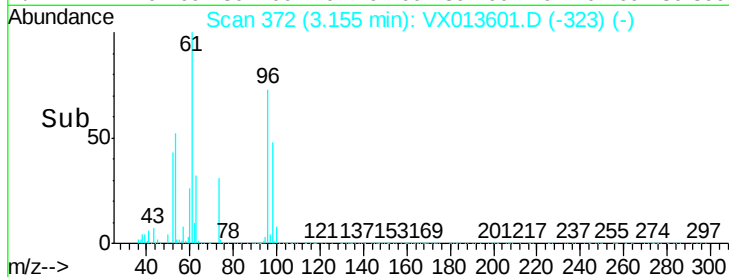
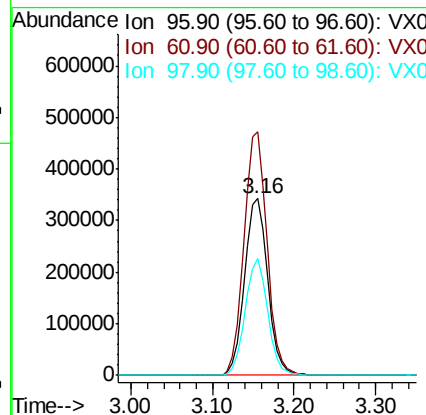
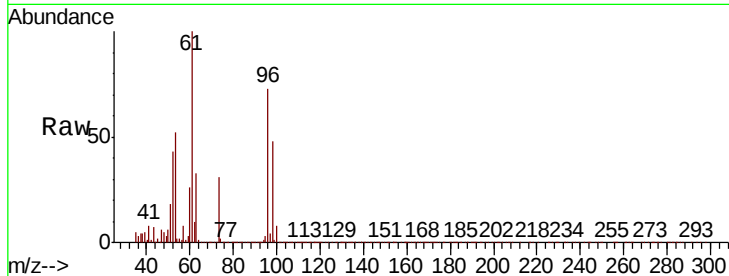
98 65.9 51.4 77.0

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#22

Diisopropyl ether

Concen: 102.934 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Tgt Ion: 45 Resp: 2218448

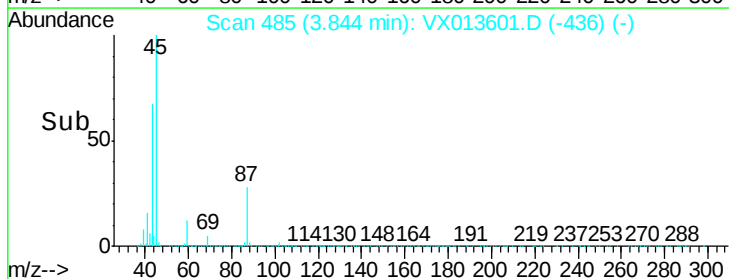
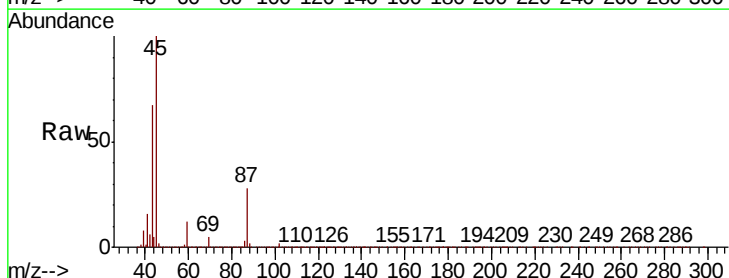
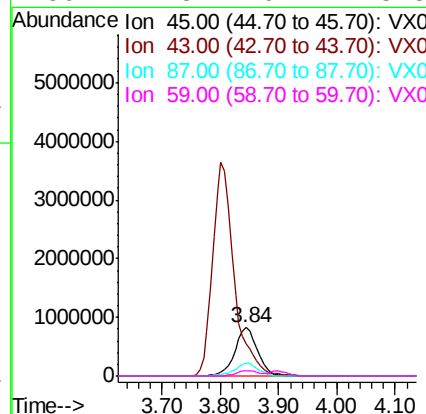
Ion Ratio Lower Upper

45 100

43 66.9 52.6 79.0

87 27.6 21.1 31.7

59 11.8 9.2 13.8





#23

Vinyl Acetate

Concen: 509.172 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 9359838

Ion Ratio Lower Upper

43 100

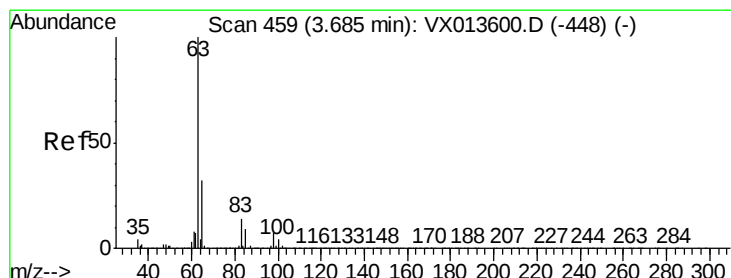
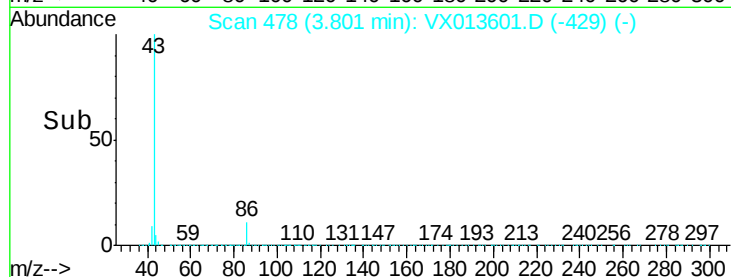
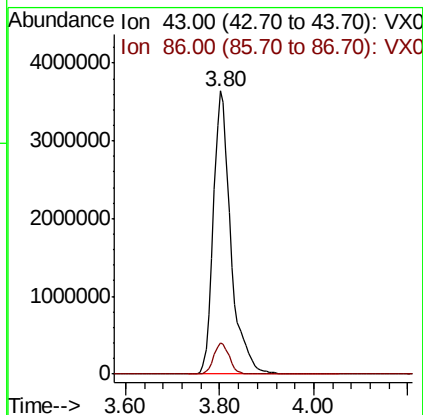
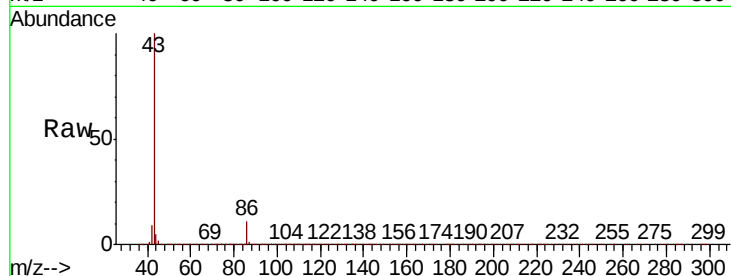
86 10.8 8.7 13.1

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#24

1,1-Dichloroethane

Concen: 101.327 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

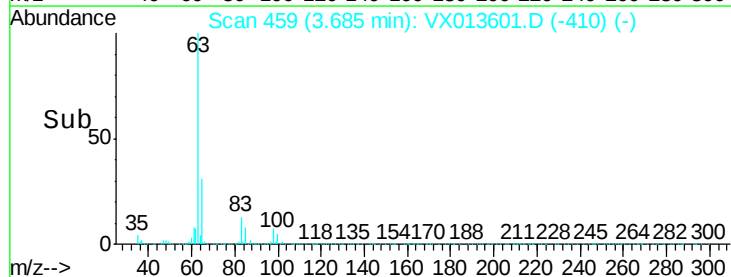
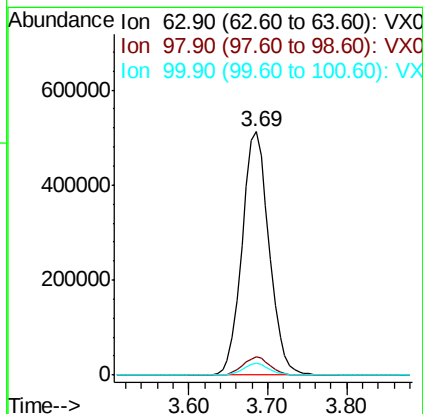
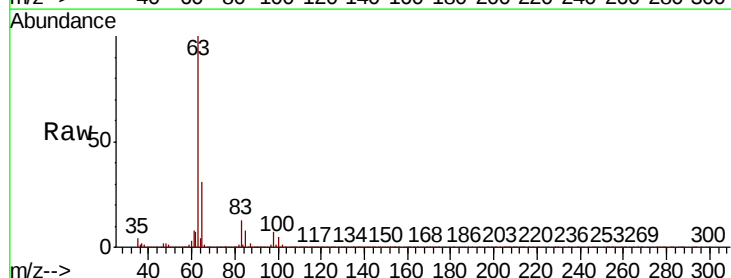
Tgt Ion: 63 Resp: 1221995

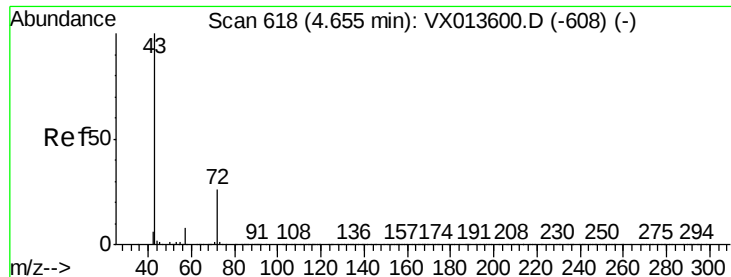
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 503.399 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2902572

Ion Ratio Lower Upper

43 100

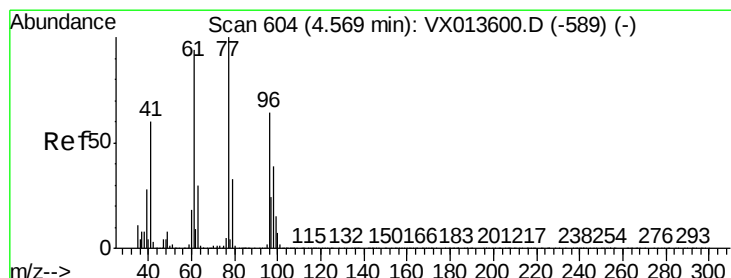
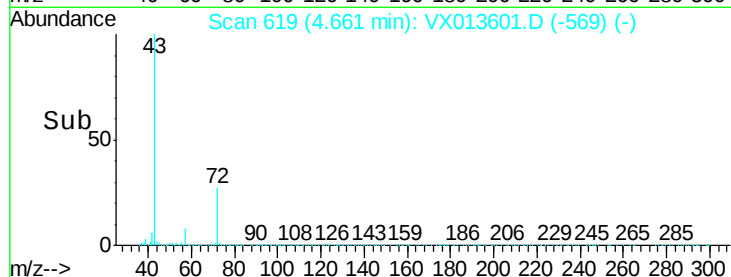
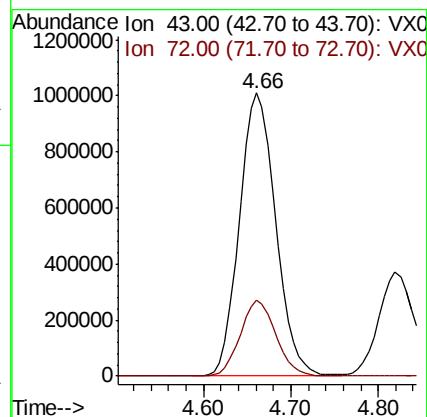
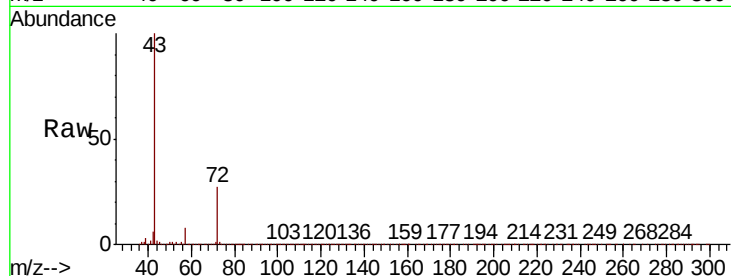
72 26.6 20.6 31.0

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#26

2,2-Dichloropropane

Concen: 103.849 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013601.D

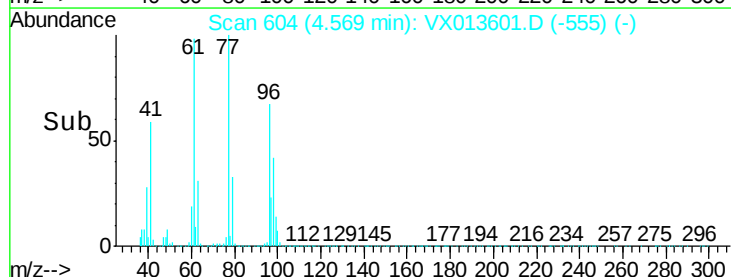
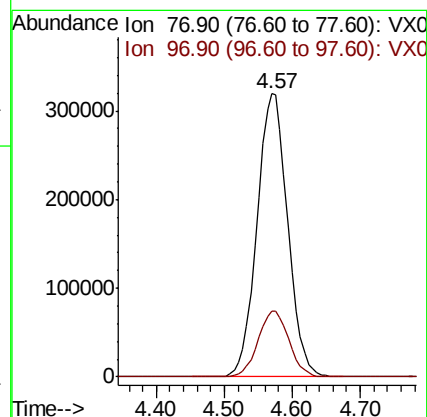
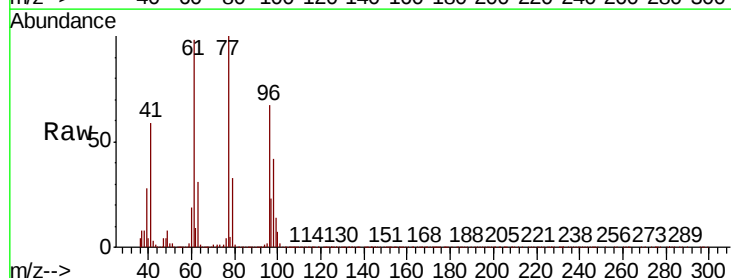
Acq: 26 Nov 2019 15:05

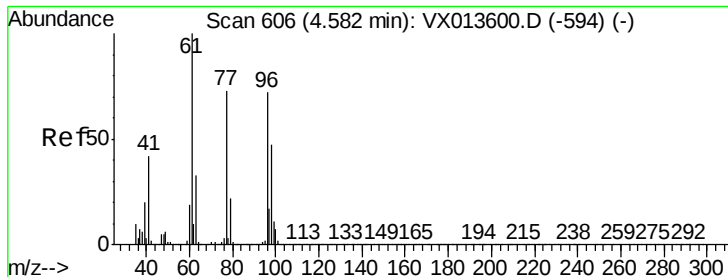
Tgt Ion: 77 Resp: 1000418

Ion Ratio Lower Upper

77 100

97 23.5 12.0 36.1





#27

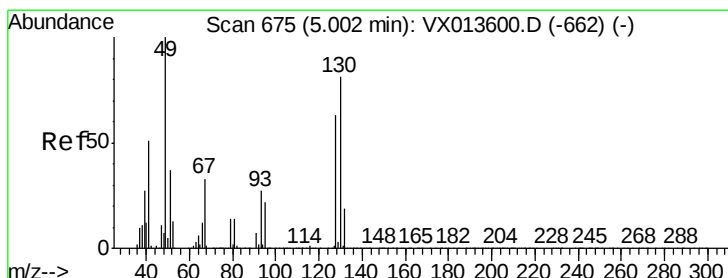
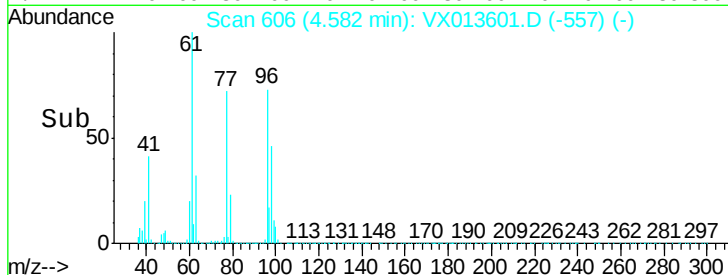
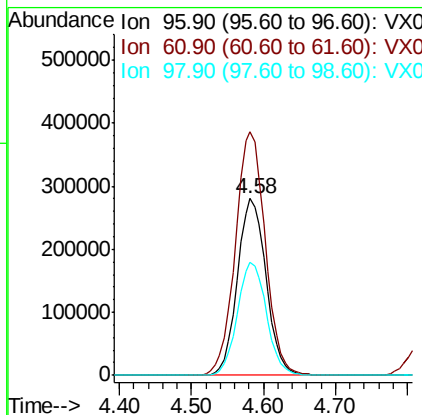
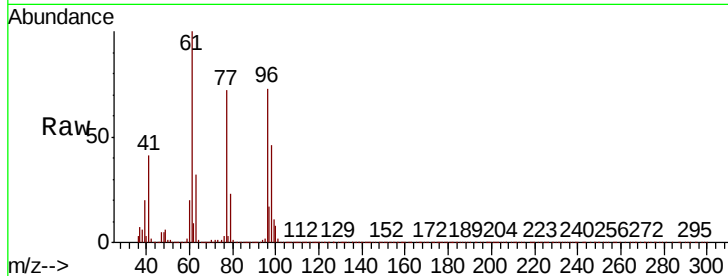
cis-1,2-Dichloroethene
Concen: 103.133 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	286.4
98	65.2	0.0	127.4

Manual Integrations
APPROVED

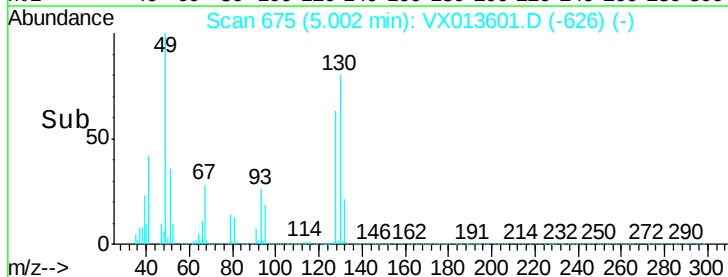
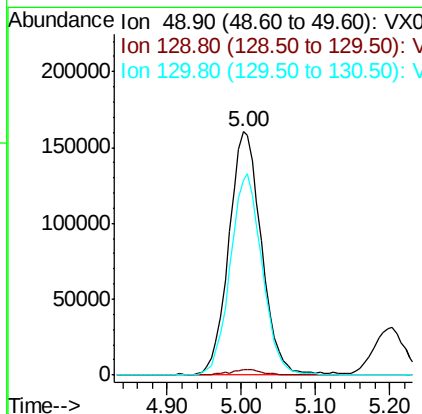
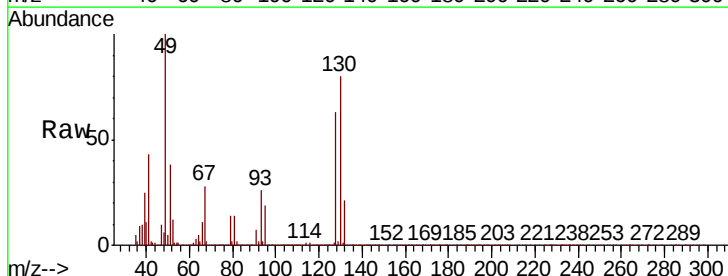
apatel
11/27/2019 2:09:33 PM

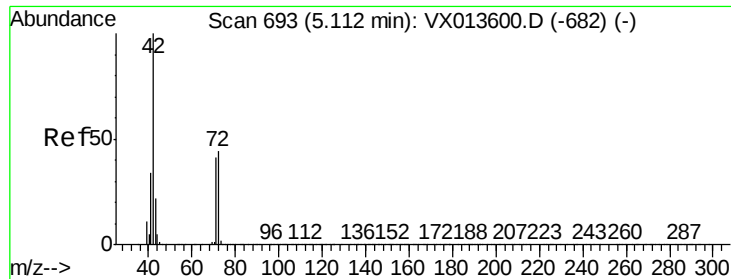


#28

Bromochloromethane
Concen: 134.997 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.0
130	80.4	65.4	98.0





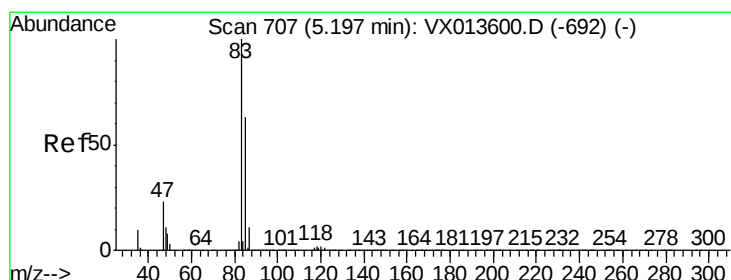
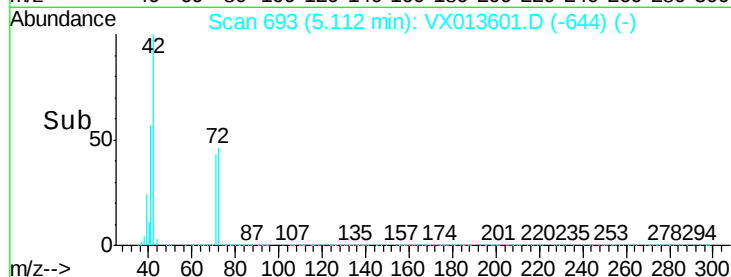
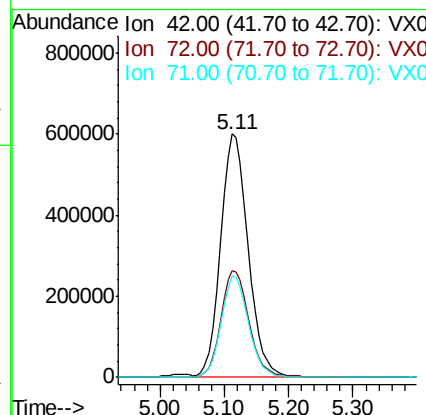
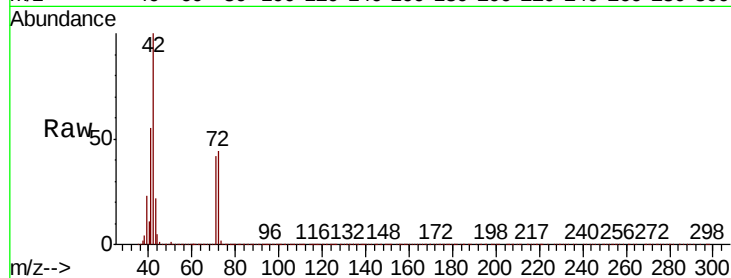
#29
Tetrahydrofuran
Concen: 509.448 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.3	54.5
71	41.5	33.2	49.8

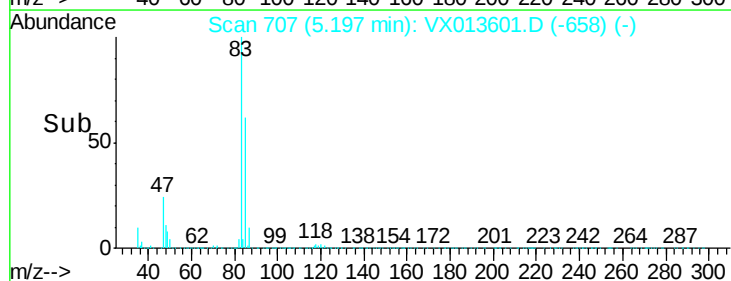
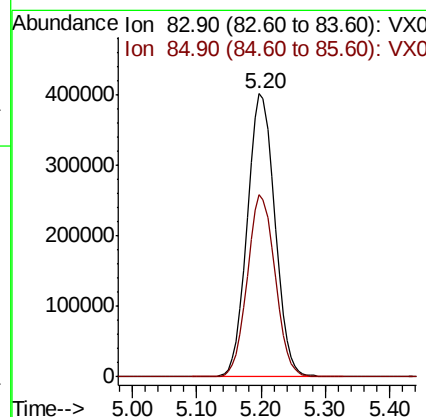
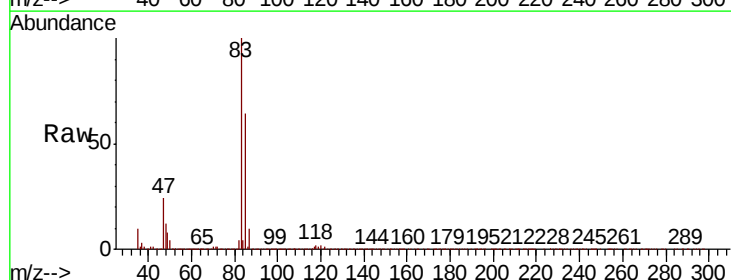
Manual Integrations
APPROVED

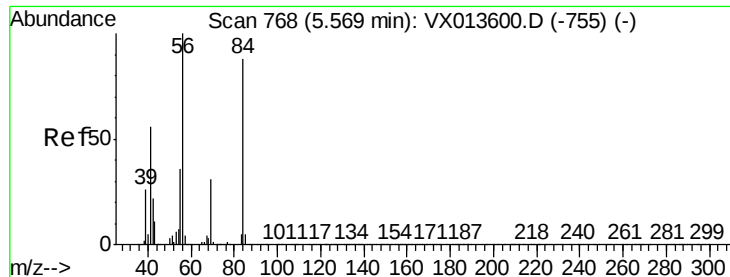
apatel
11/27/2019 2:09:33 PM



#30
Chloroform
Concen: 99.556 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.2	75.4





#31

Cyclohexane

Concen: 101.330 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 1108349

Ion Ratio Lower Upper

56 100

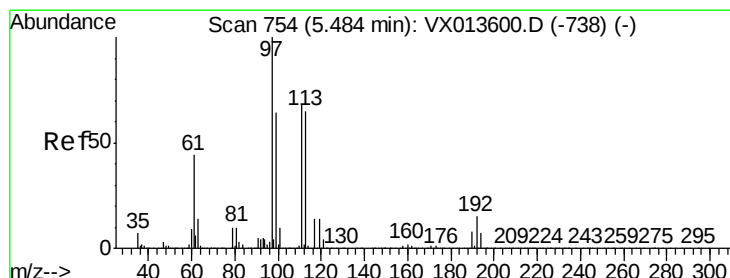
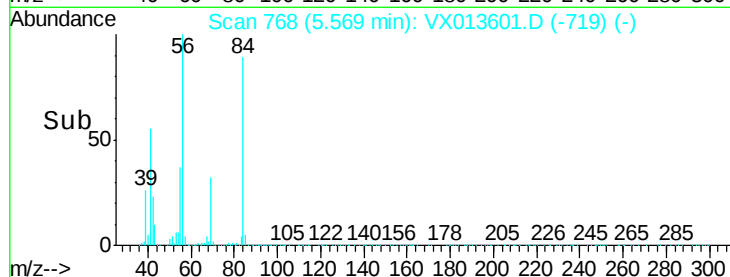
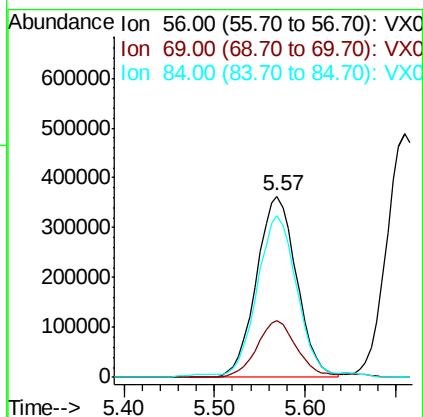
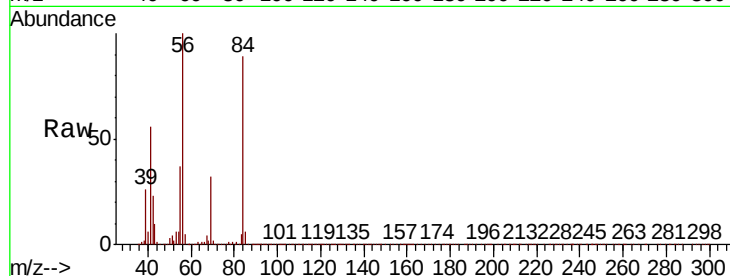
69 31.6 24.6 36.8

84 88.0 70.0 105.0

Manual Integrations
APPROVED

apatel

11/27/2019 2:09:33 PM



#32

1,1,1-Trichloroethane

Concen: 100.379 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

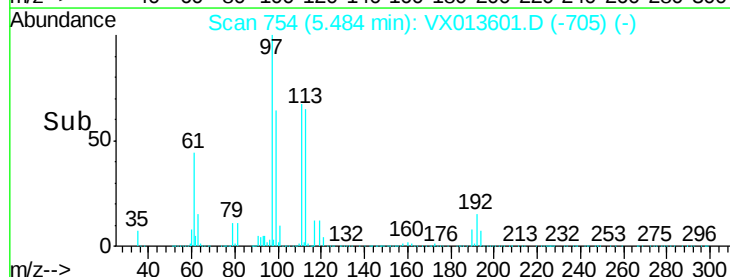
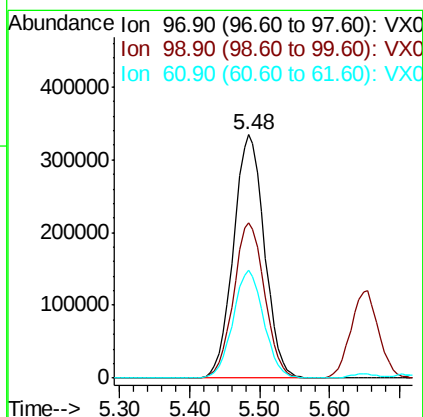
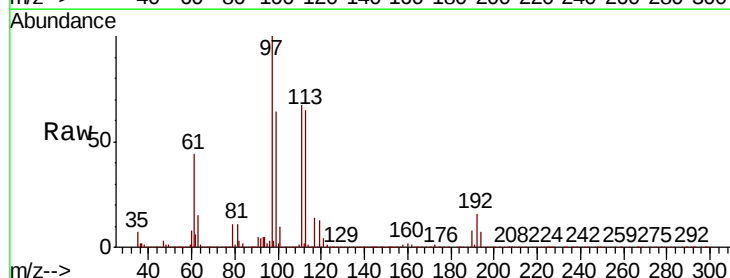
Tgt Ion: 97 Resp: 1025104

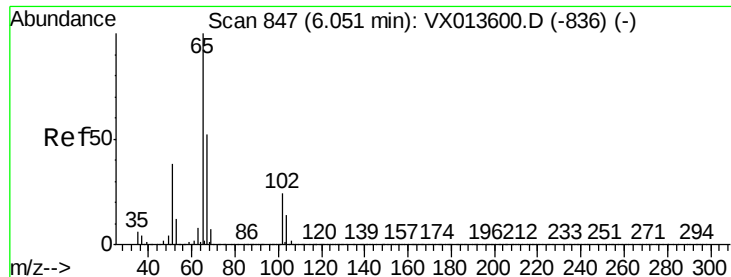
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 43.9 36.1 54.1





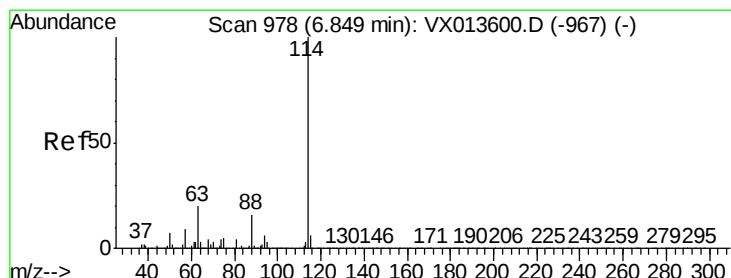
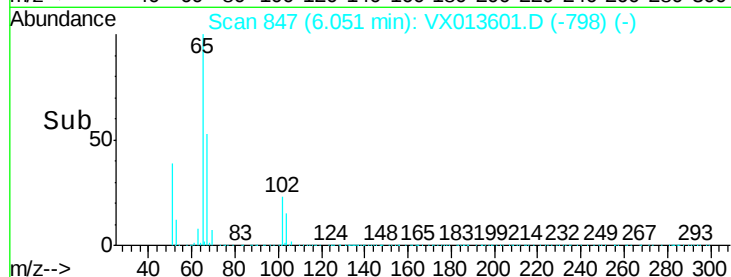
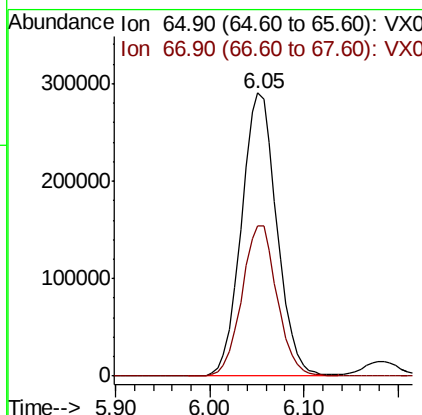
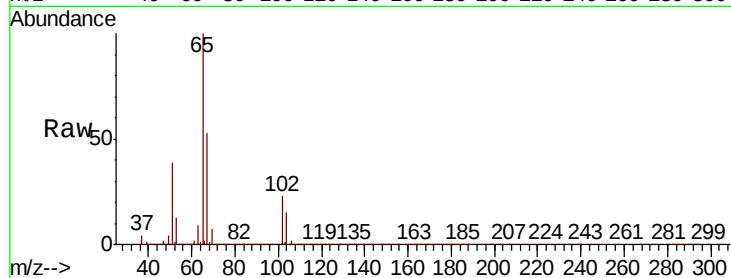
#33
 1,2-Dichloroethane-d4
 Concen: 96.790 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.4

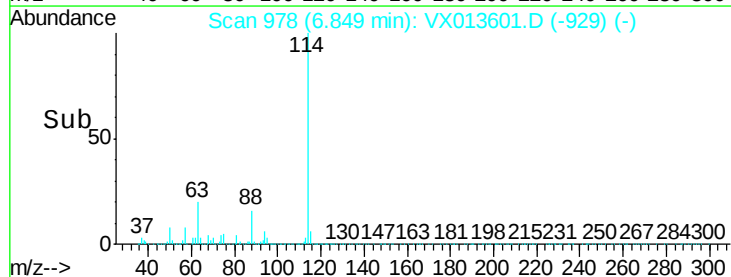
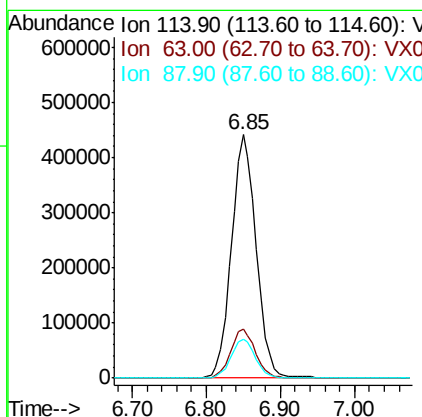
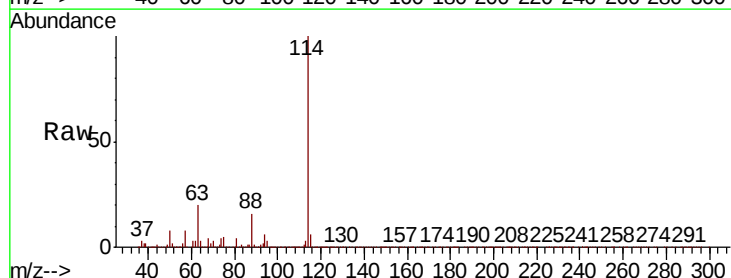
Manual Integrations
 APPROVED

apatel
 11/27/2019 2:09:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.6
88	16.2	0.0	31.4





#35

Dibromofluoromethane

Concen: 100.747 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

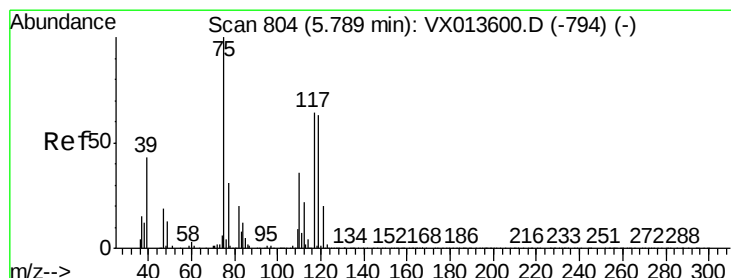
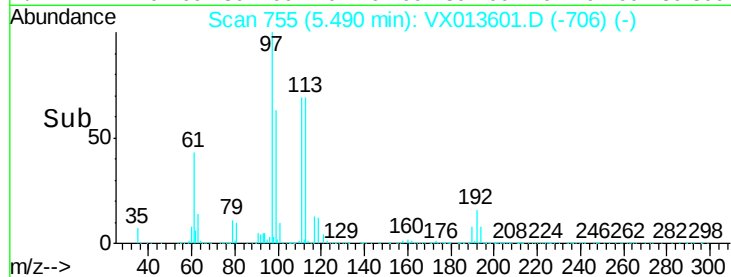
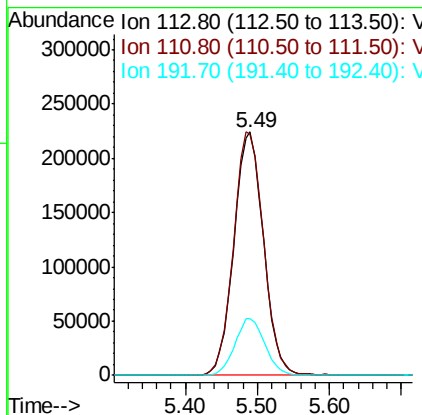
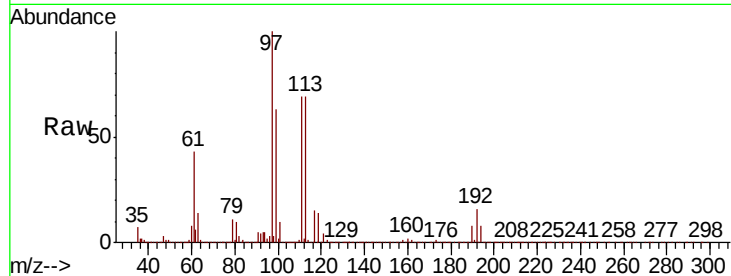
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	638769
Ion Ratio	Lower	Upper	
113	100		
111	101.5	83.6	125.4
192	23.7	19.2	28.8

Manual Integrations
APPROVED

apatel
11/27/2019 2:09:33 PM



#36

1,1-Dichloropropene

Concen: 105.573 ug/l

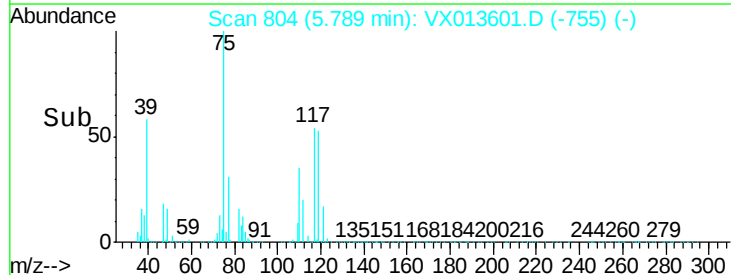
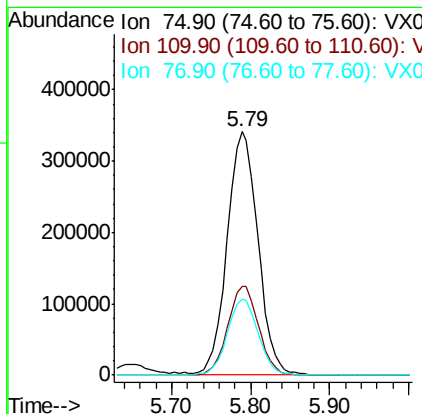
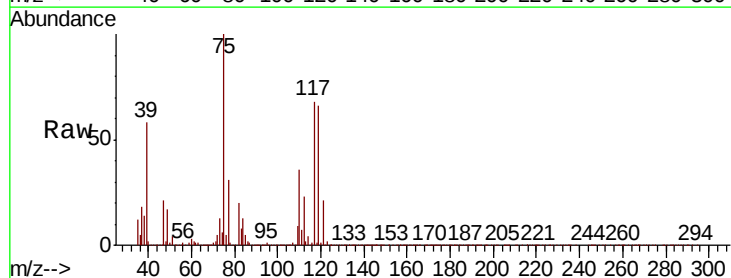
RT: 5.79 min Scan# 804

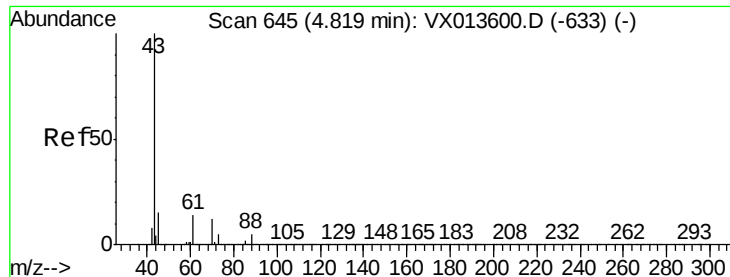
Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Tgt Ion:	75	Resp:	923612
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.1	54.1
77	31.2	24.5	36.7





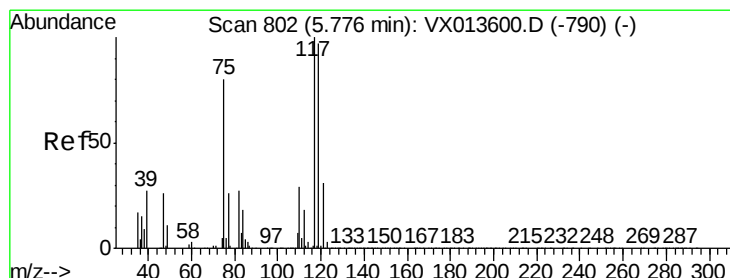
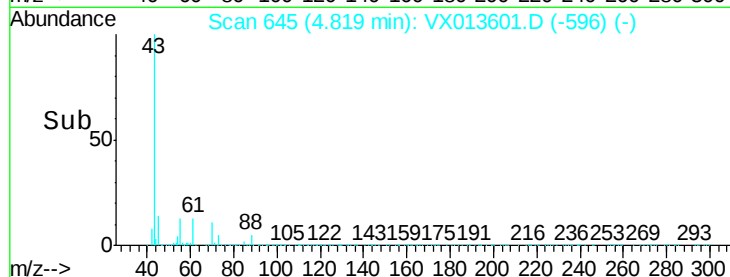
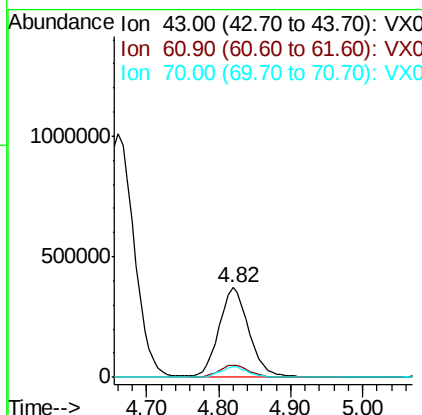
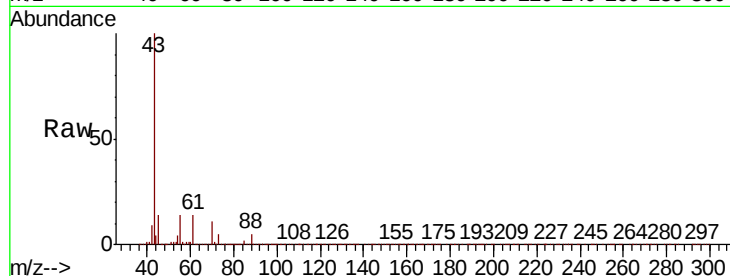
#37
Ethyl Acetate
Concen: 99.841 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	11.3	8.6	12.8

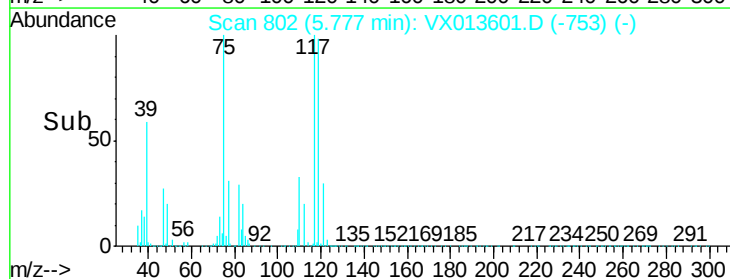
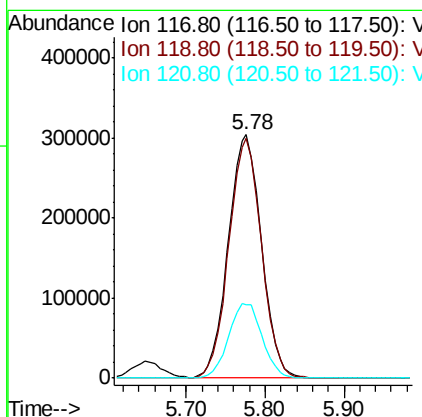
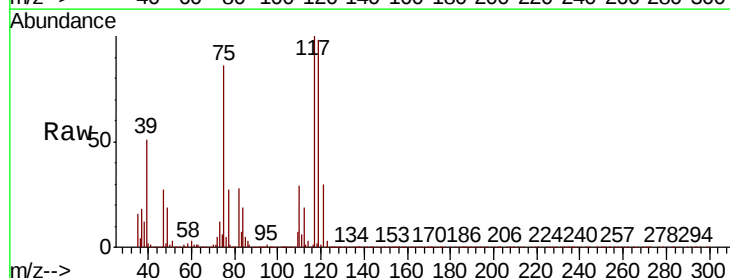
Manual Integrations
APPROVED

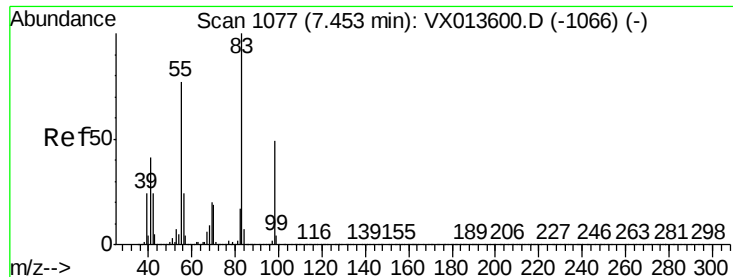
apatel
11/27/2019 2:09:33 PM



#38
Carbon Tetrachloride
Concen: 104.169 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.5	116.3
121	30.4	25.0	37.6





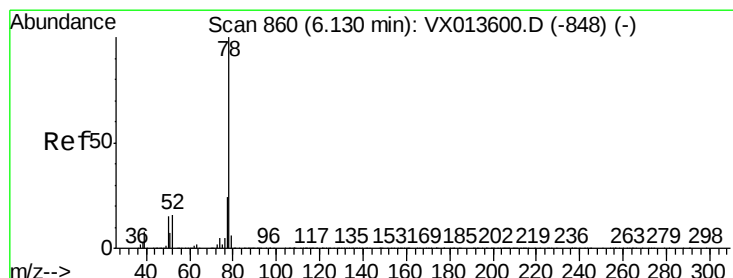
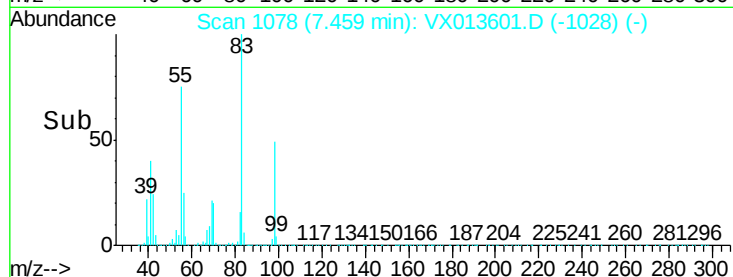
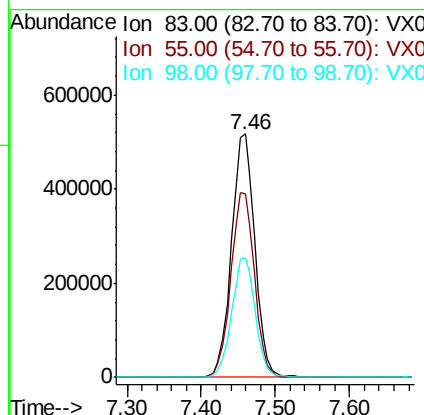
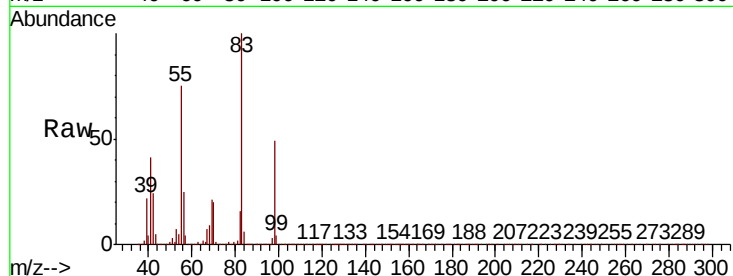
#39
Methvlcvclohexane
Concen: 103.641 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.9	92.9
98	49.0	39.4	59.0

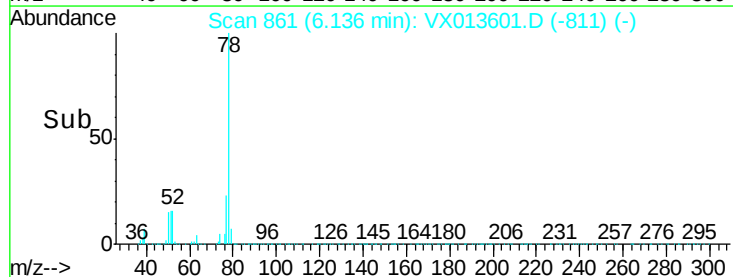
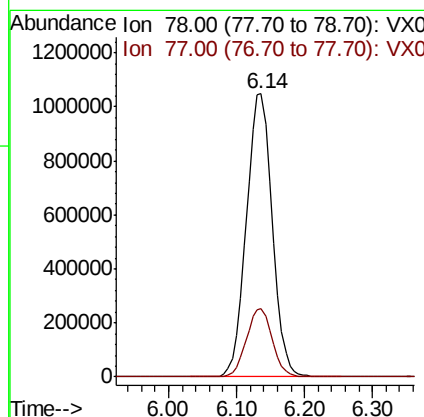
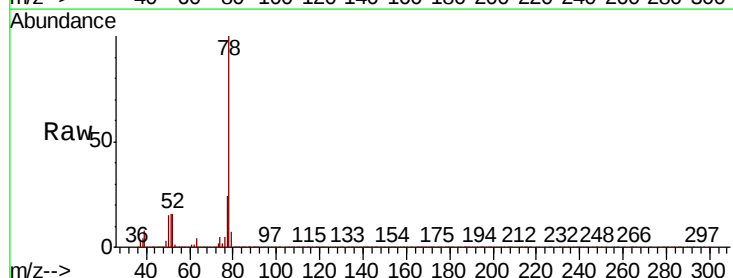
Manual Integrations
APPROVED

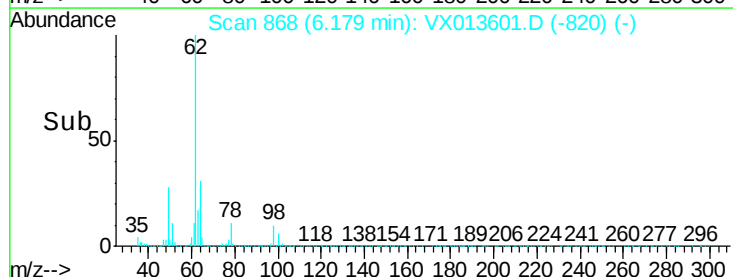
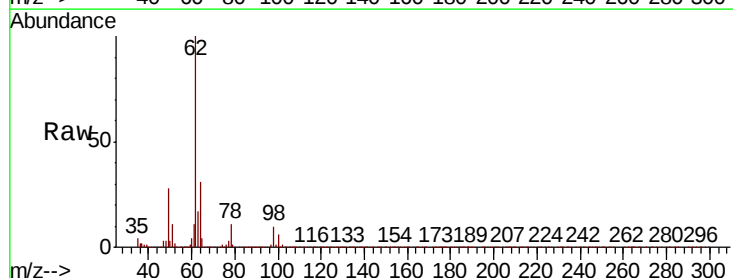
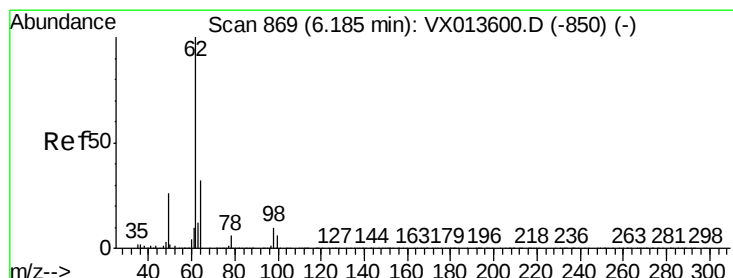
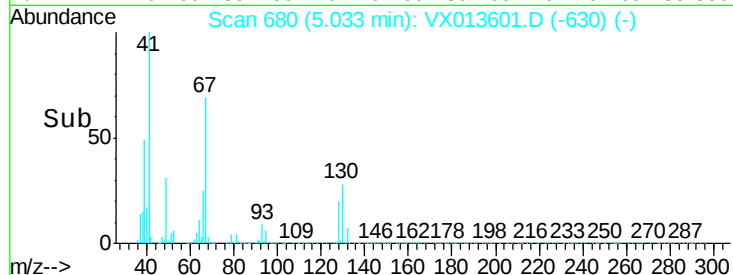
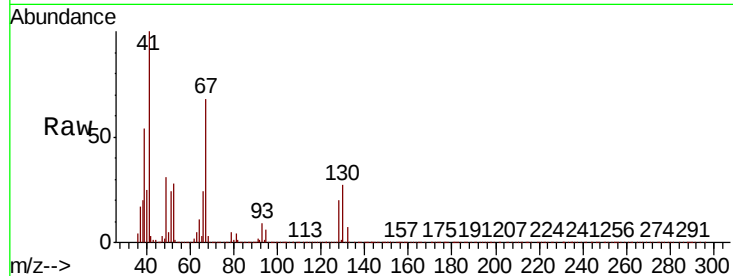
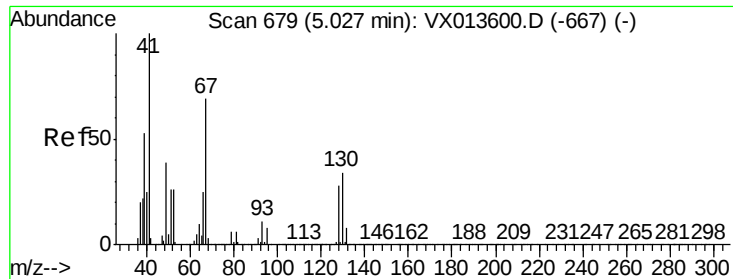
apatel
11/27/2019 2:09:33 PM



#40
Benzene
Concen: 101.741 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

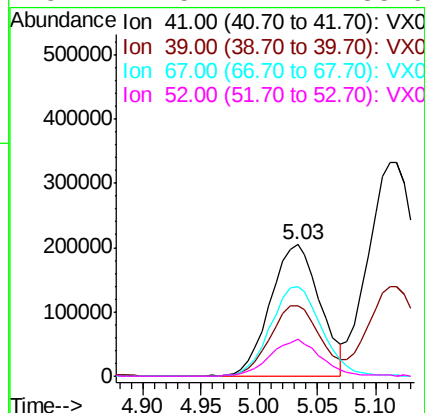
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





#41
Methacrylonitrile
Concen: 100.035 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	42.9	64.3	
67	70.4	57.4	86.0	
52	27.5	22.4	33.6	



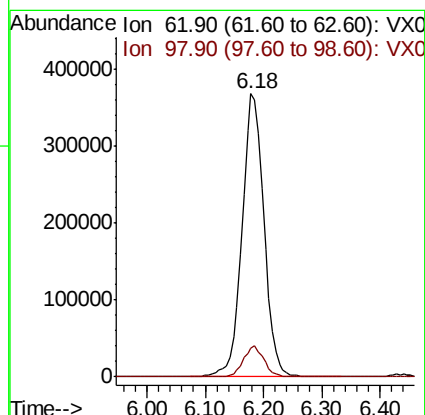
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

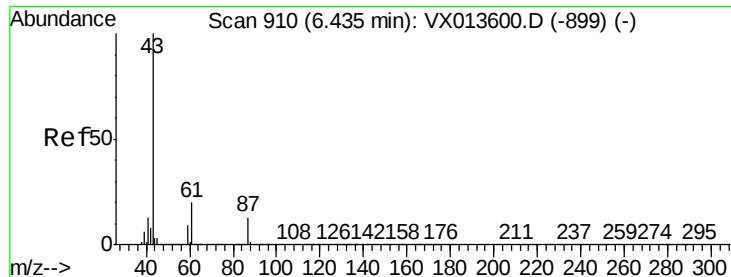
Manual Integrations
APPROVED

apatel
11/27/2019 2:09:33 PM

#42
1,2-Dichloroethane
Concen: 98.534 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.8	





#43

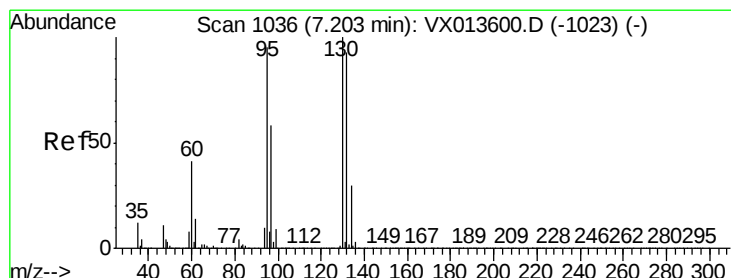
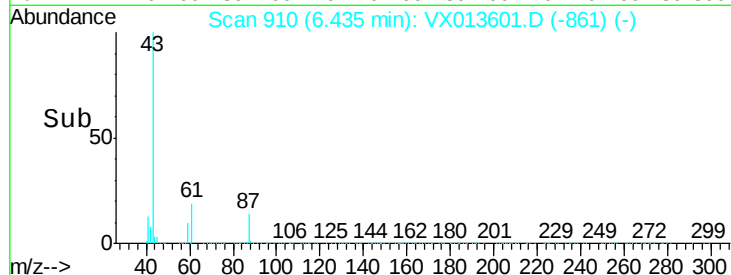
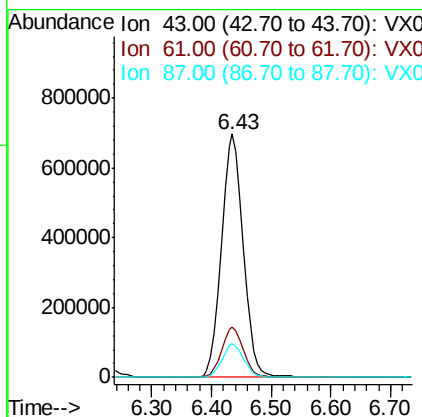
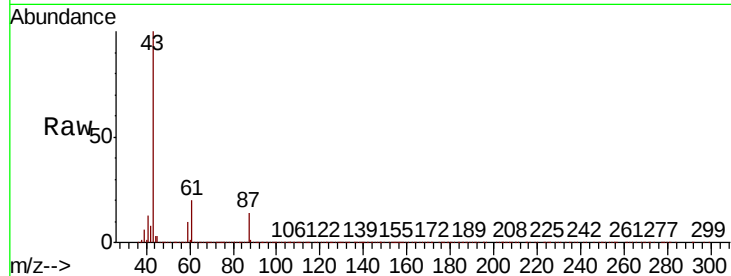
Isopropyl Acetate
 Concen: 105.138 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.3	24.5
87	13.6	10.8	16.2

Manual Integrations
 APPROVED

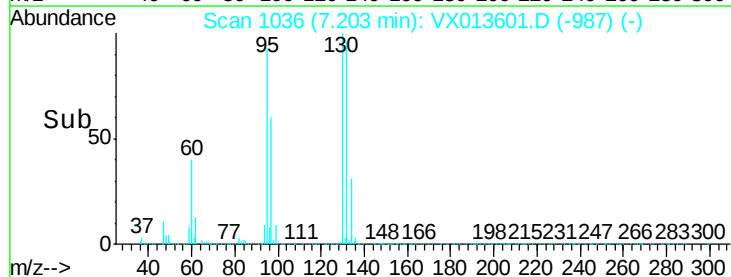
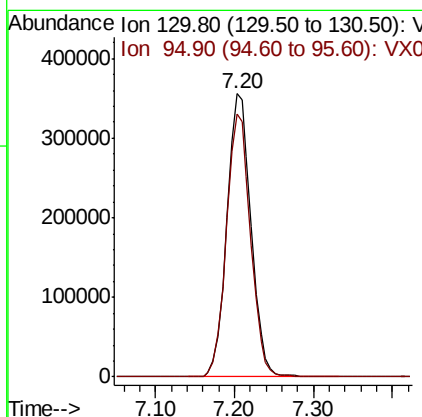
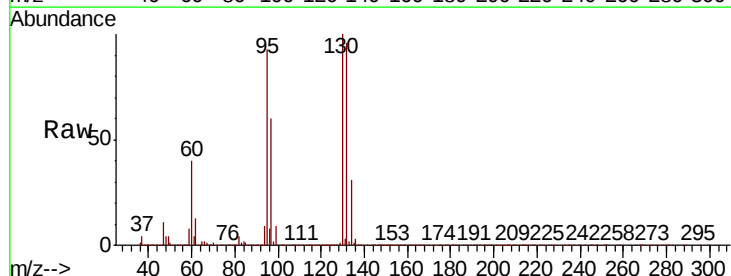
apatel
 11/27/2019 2:09:33 PM

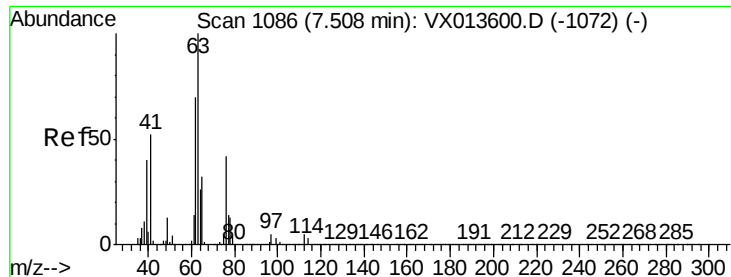


#44

Trichloroethene
 Concen: 100.592 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	190.8





#45

1,2-Dichloropropane

Concen: 103.237 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 716076

Ion Ratio Lower Upper

63 100

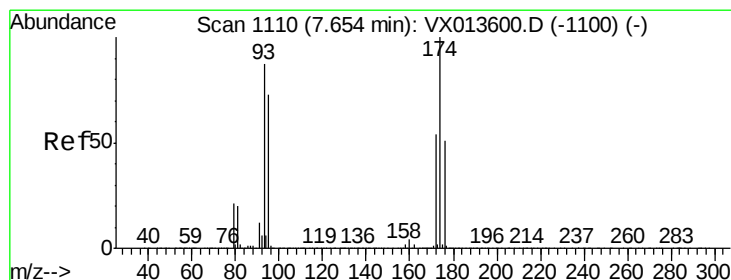
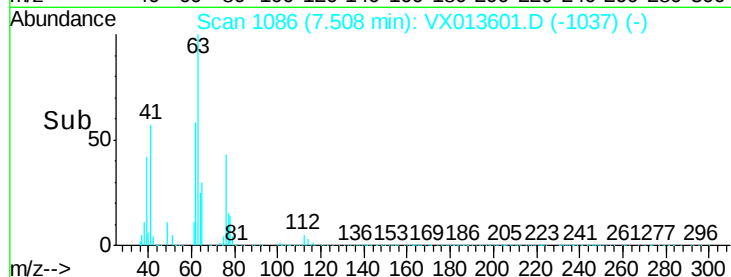
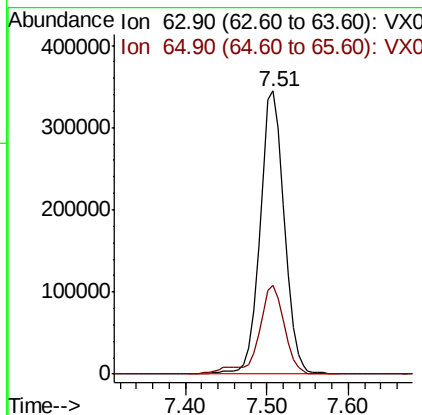
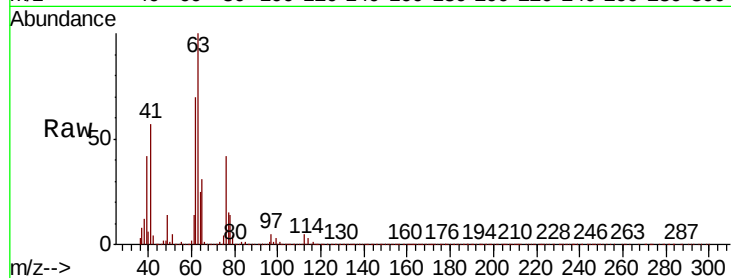
65 31.5 25.5 38.3

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#46

Dibromomethane

Concen: 100.653 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

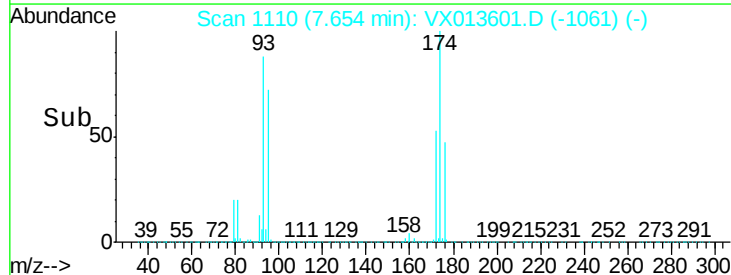
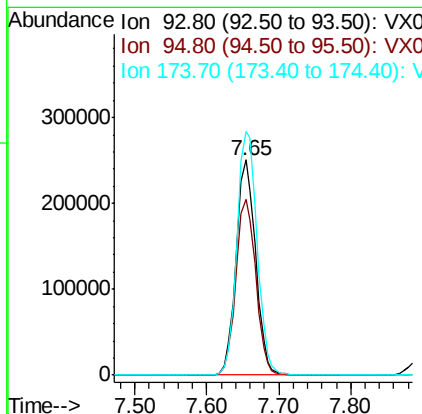
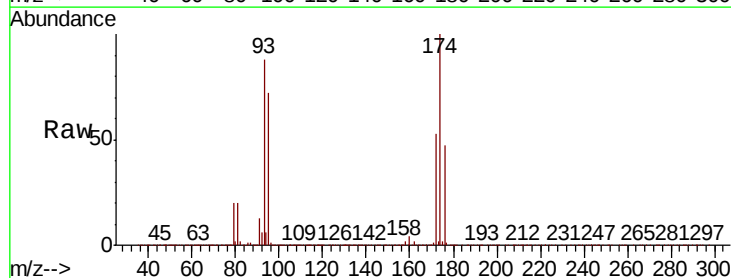
Tgt Ion: 93 Resp: 474399

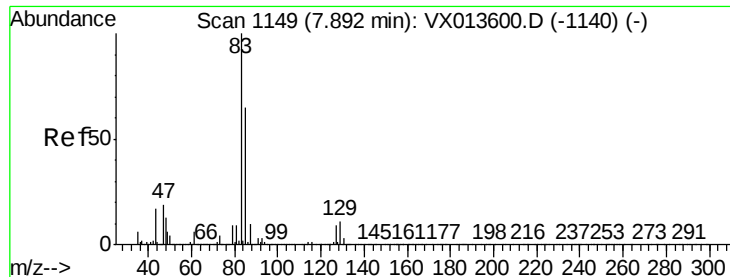
Ion Ratio Lower Upper

93 100

95 83.1 66.2 99.2

174 116.7 93.4 140.0





#47

Bromodichloromethane

Concen: 106.064 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

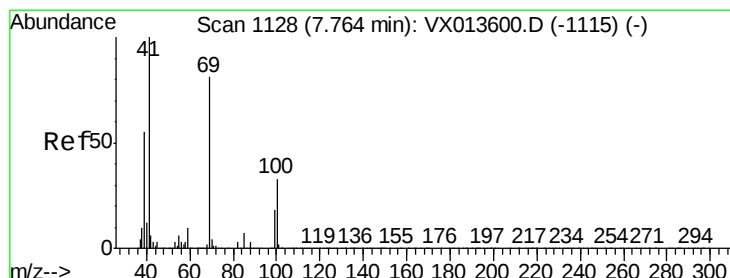
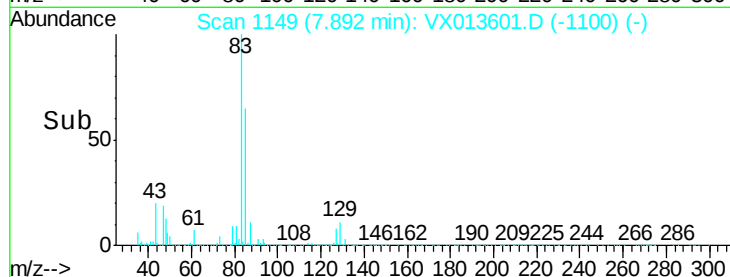
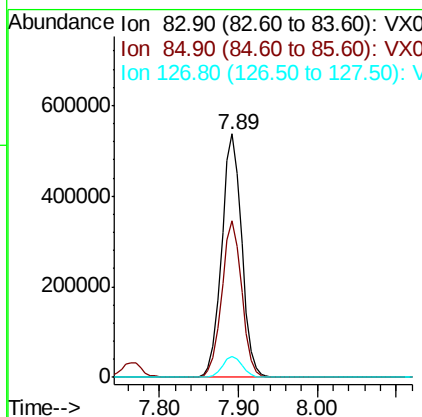
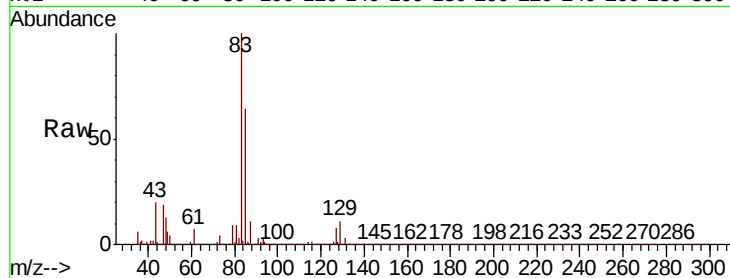
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	944415
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.1	78.1
127	8.4	7.0	10.4

Manual Integrations
APPROVED

apatel
11/27/2019 2:09:33 PM



#48

Methyl methacrylate

Concen: 107.456 ug/l

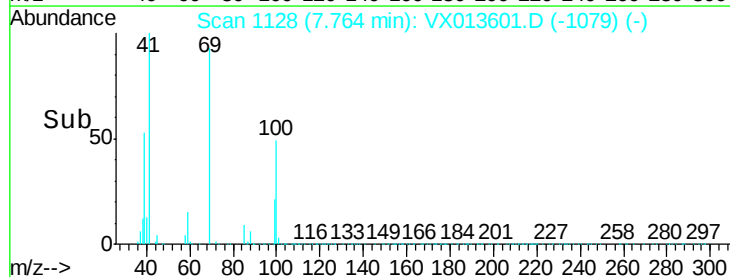
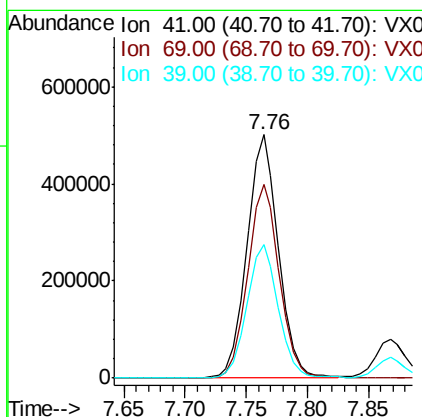
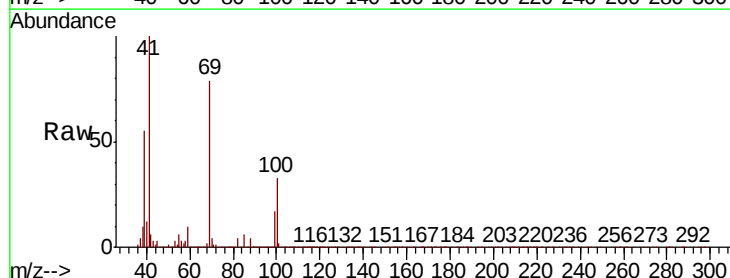
RT: 7.76 min Scan# 1128

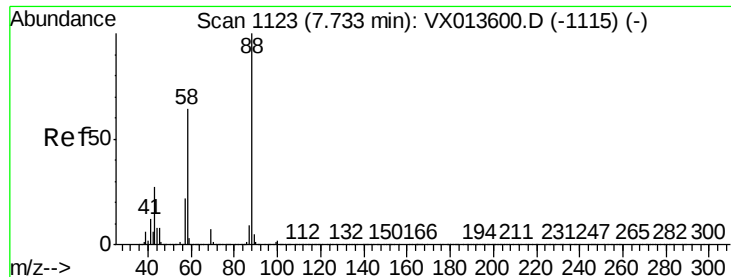
Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Tgt Ion:	41	Resp:	894429
Ion Ratio	Lower	Upper	
41	100		
69	80.3	64.7	97.1
39	55.1	43.8	65.6





#49

1,4-Dioxane

Concen: 2026.027 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

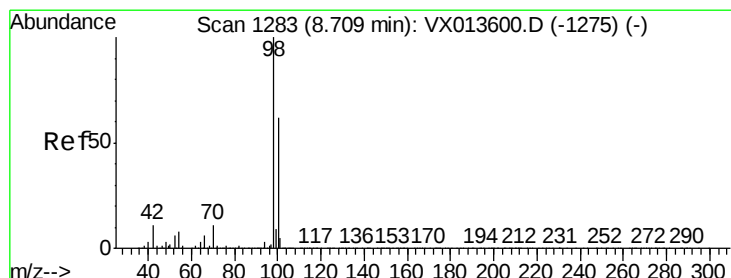
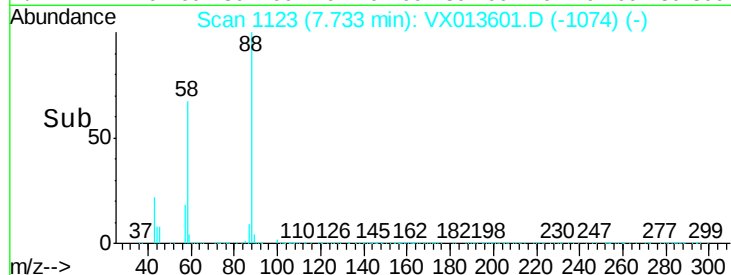
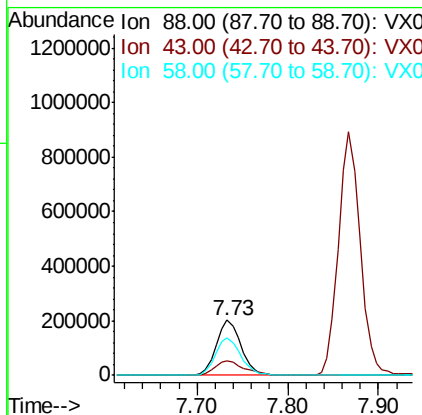
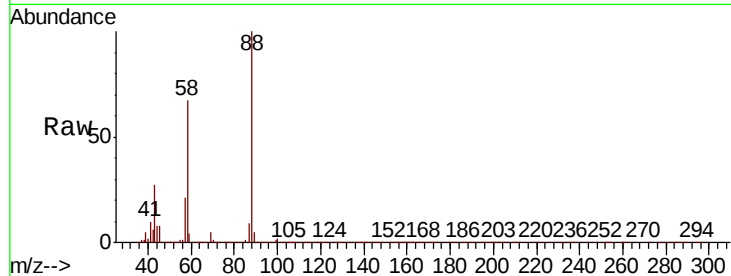
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	385172
Ion Ratio	Lower	Upper	
88	100		
43	31.7	25.8	38.6
58	69.8	54.6	82.0

Manual Integrations
APPROVED

apatel
11/27/2019 2:09:33 PM



#50

Toluene-d8

Concen: 102.784 ug/l

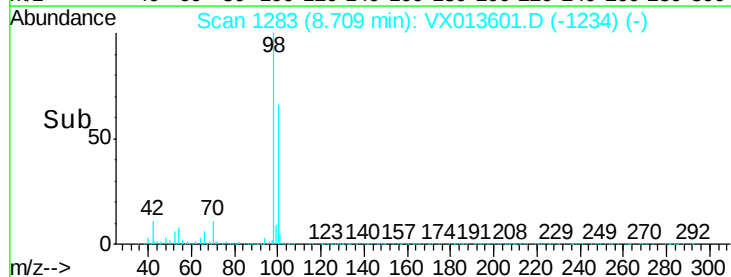
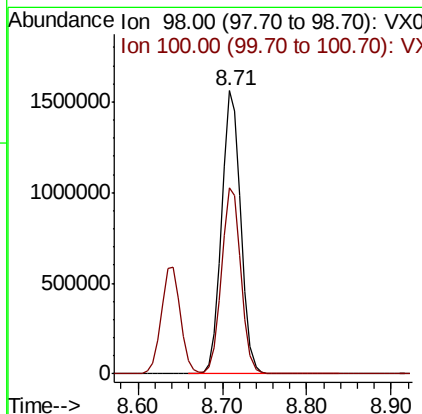
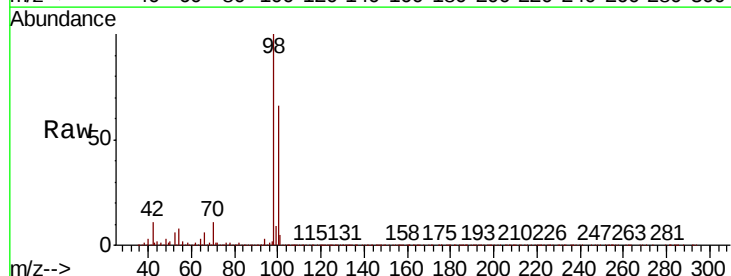
RT: 8.71 min Scan# 1283

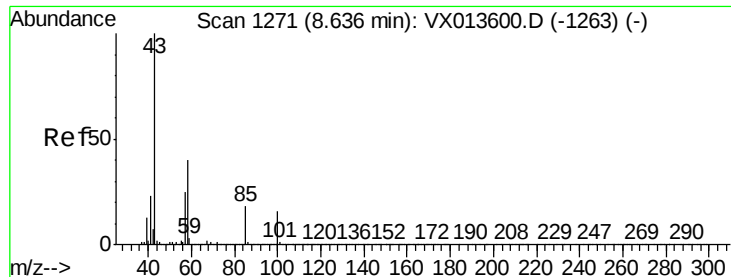
Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Tgt Ion:	98	Resp:	2461596
Ion Ratio	Lower	Upper	
98	100		
100	66.4	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 505.715 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5519789

Ion Ratio Lower Upper

43 100

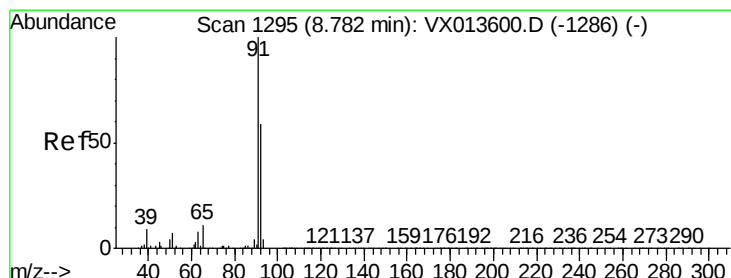
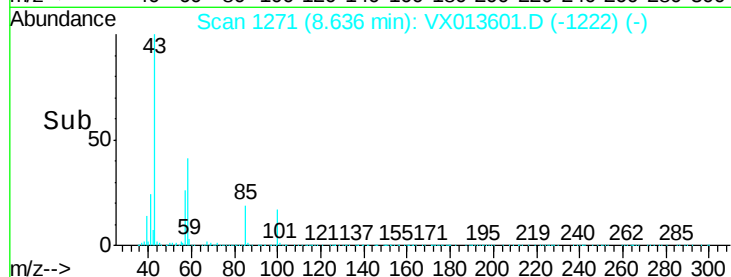
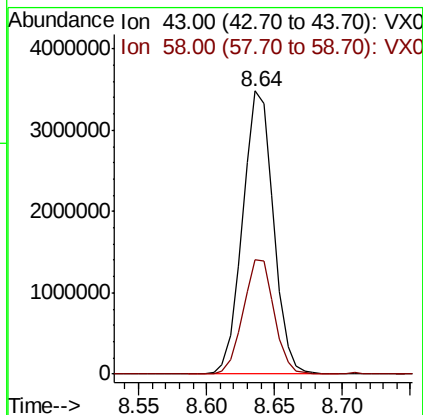
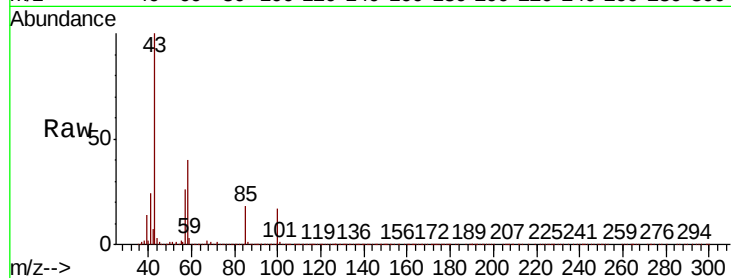
58 40.7 32.1 48.1

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#52

Toluene

Concen: 102.924 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013601.D

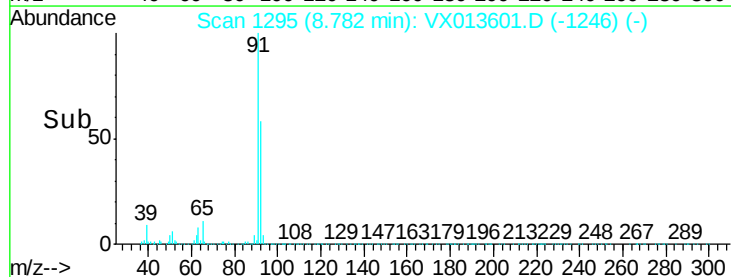
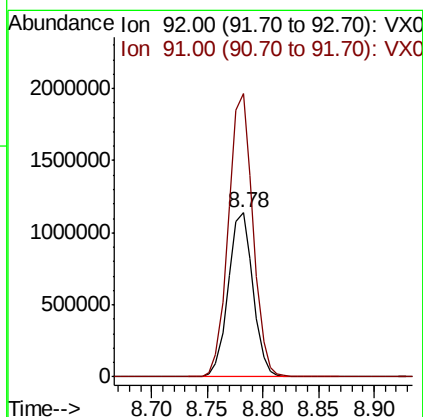
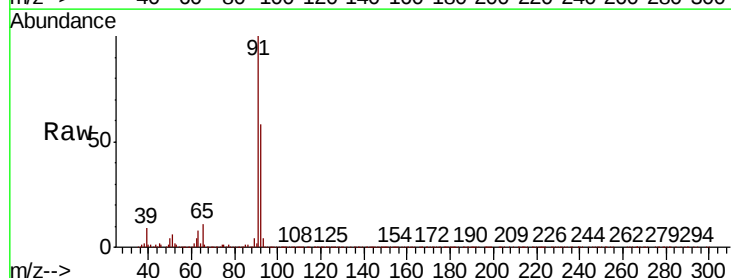
Acq: 26 Nov 2019 15:05

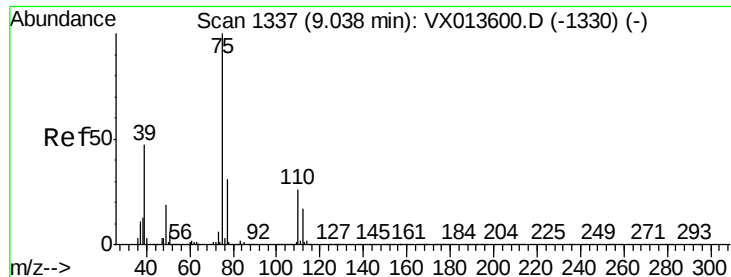
Tgt Ion: 92 Resp: 1739973

Ion Ratio Lower Upper

92 100

91 171.8 136.2 204.2





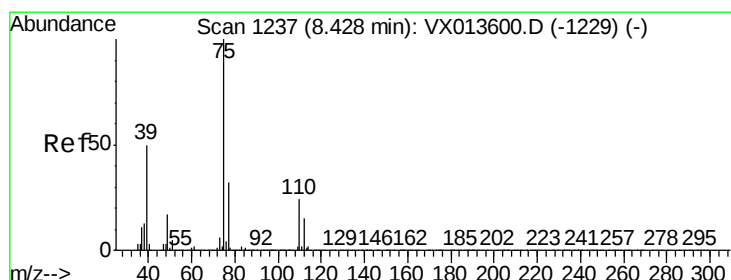
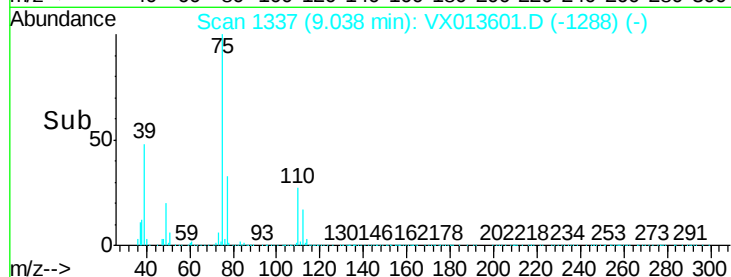
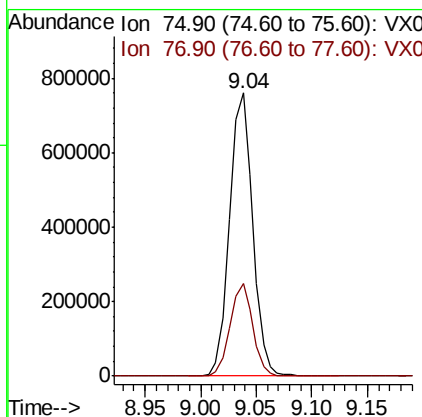
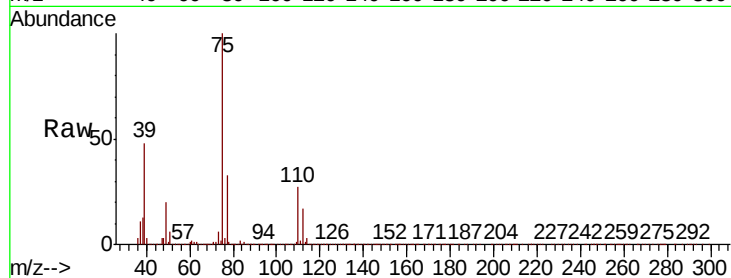
#53
t-1,3-Dichloropropene
Concen: 111.869 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1093336
Ion Ratio Lower Upper
75 100
77 32.6 24.4 36.6

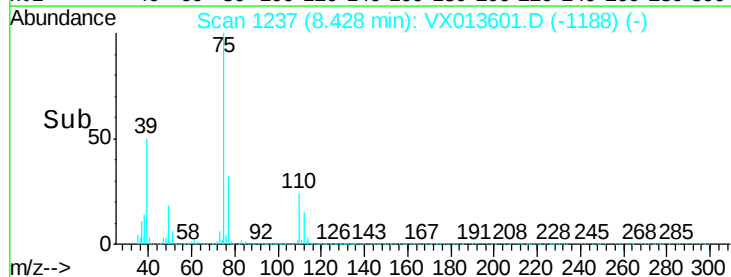
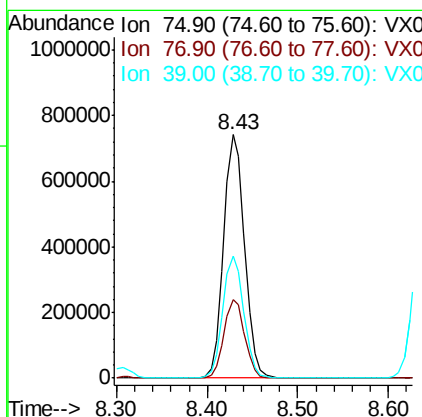
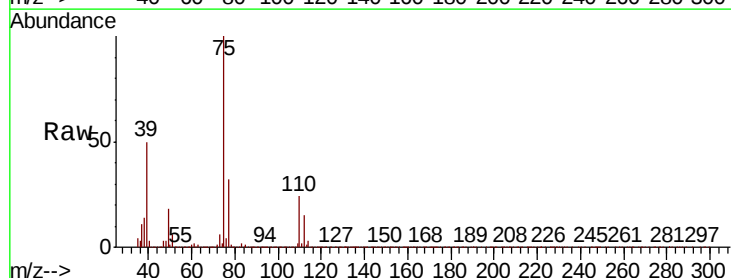
Manual Integrations
APPROVED

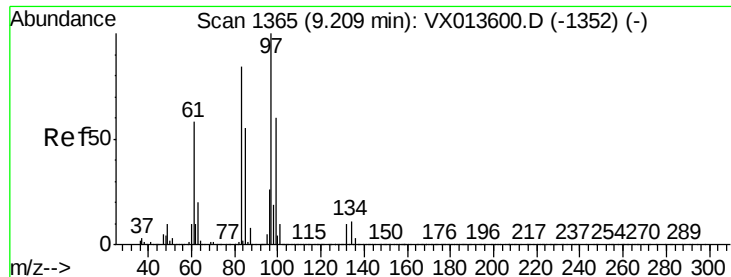
apatel
11/27/2019 2:09:33 PM



#54
cis-1,3-Dichloropropene
Concen: 108.482 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion: 75 Resp: 1188170
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.6
39 50.1 39.9 59.9





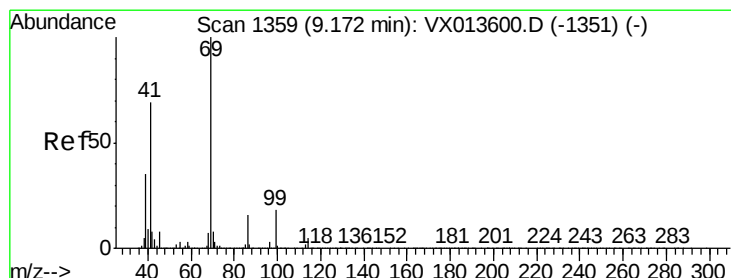
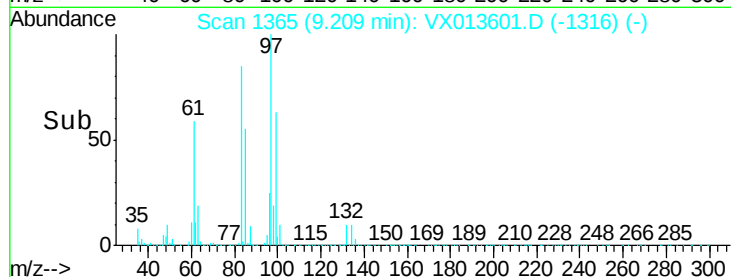
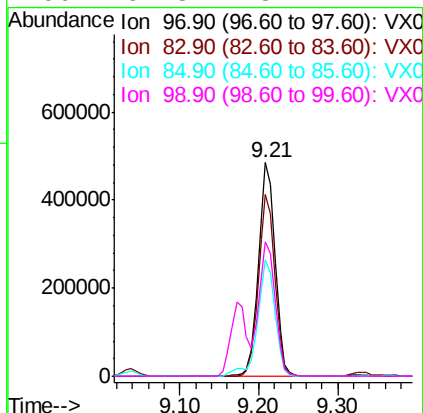
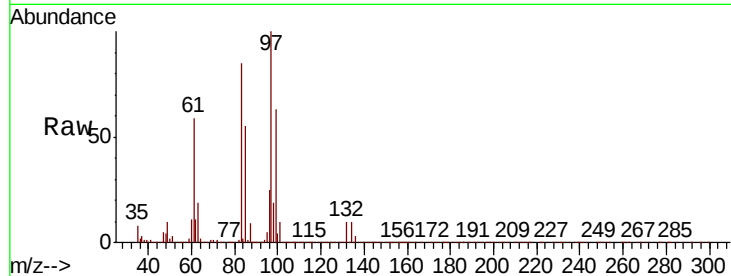
#55
 1,1,2-Trichloroethane
 Concen: 101.768 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	710063
Ion	Ratio	Lower	Upper
97	100		
83	85.1	67.3	100.9
85	54.8	43.6	65.4
99	62.8	48.2	72.4

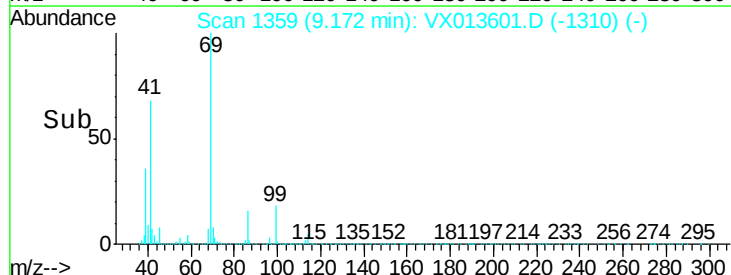
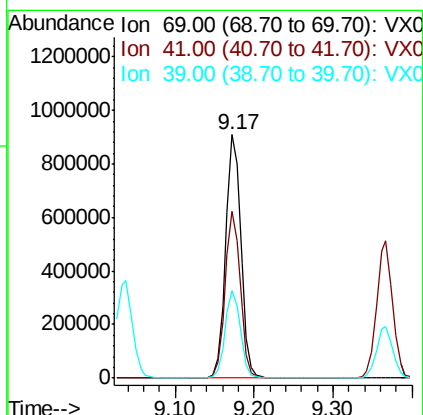
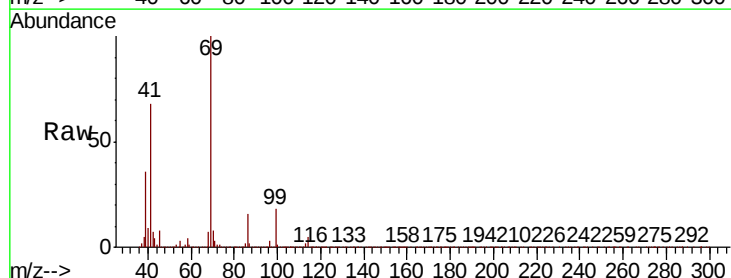
Manual Integrations
 APPROVED

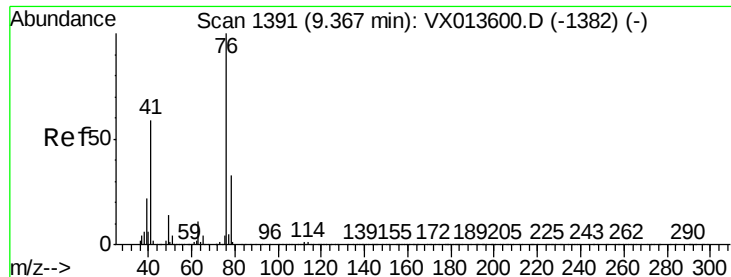
apatel
 11/27/2019 2:09:33 PM



#56
 Ethyl methacrylate
 Concen: 112.746 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Tgt Ion:	69	Resp:	1217764
Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.0	82.4
39	35.8	28.7	43.1





#57

1,3-Dichloropropane

Concen: 101.729 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 1205084

Ion Ratio Lower Upper

76 100

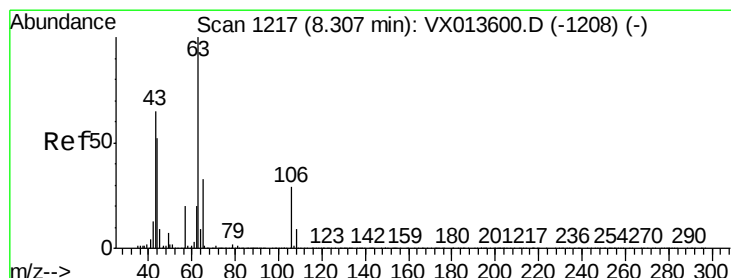
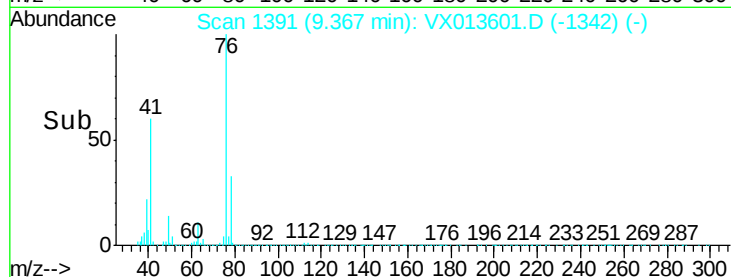
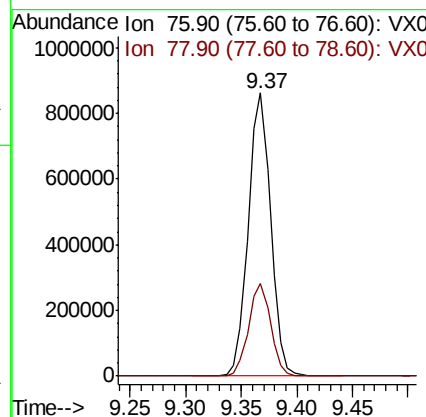
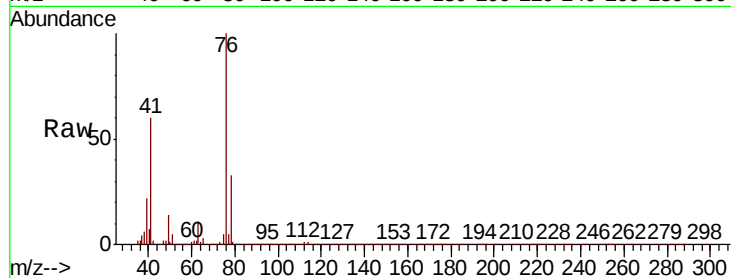
78 32.4 26.0 39.0

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#58

2-Chloroethyl Vinyl ether

Concen: 492.538 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013601.D

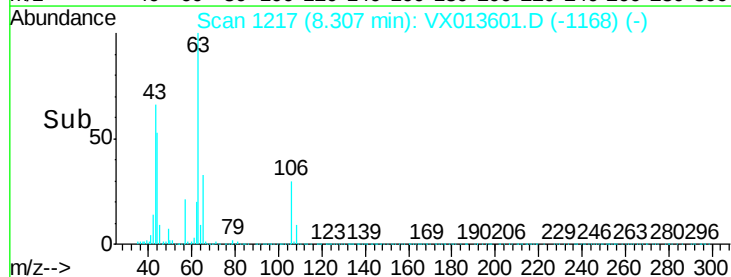
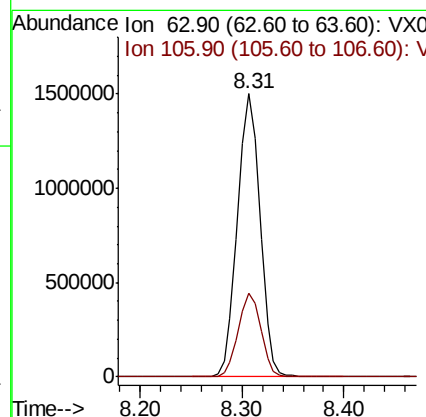
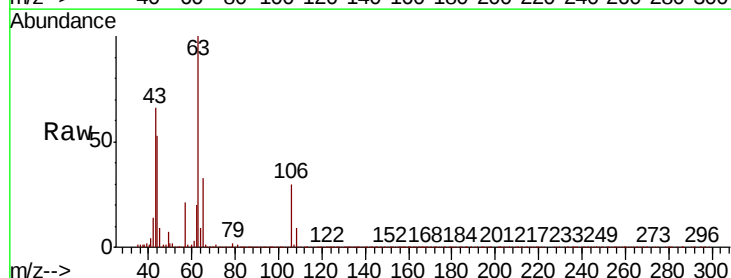
Acq: 26 Nov 2019 15:05

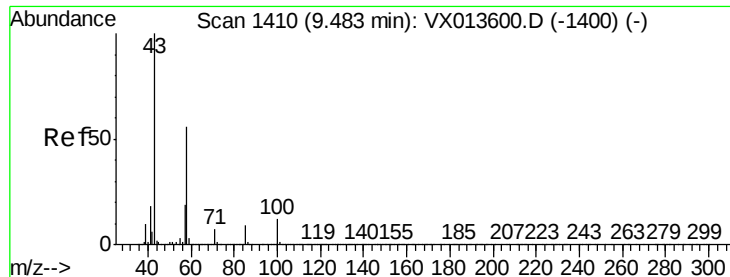
Tgt Ion: 63 Resp: 2299130

Ion Ratio Lower Upper

63 100

106 29.7 23.4 35.0





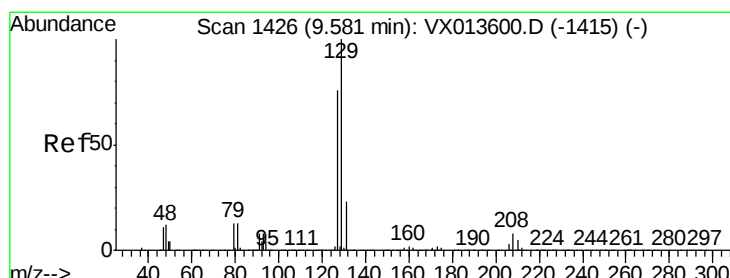
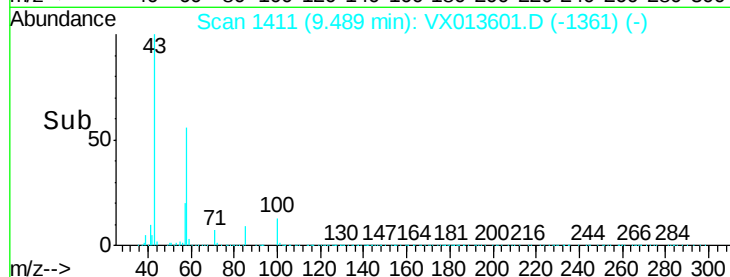
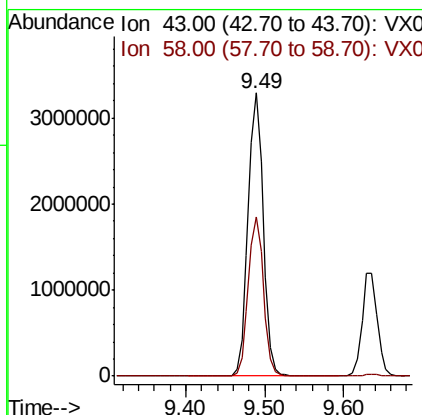
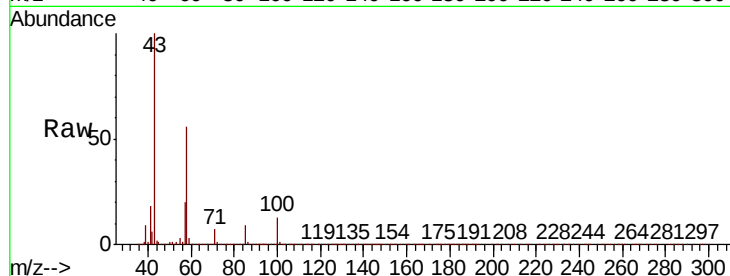
#59
2-Hexanone
Concen: 523.388 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 4413403
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.4

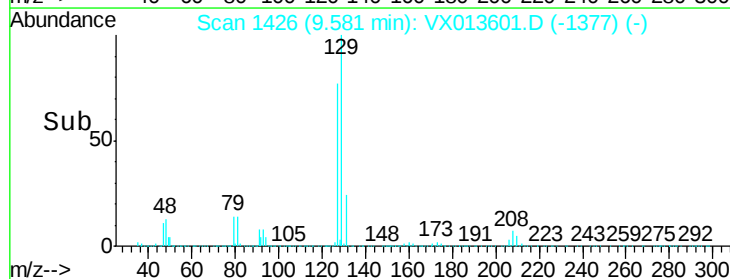
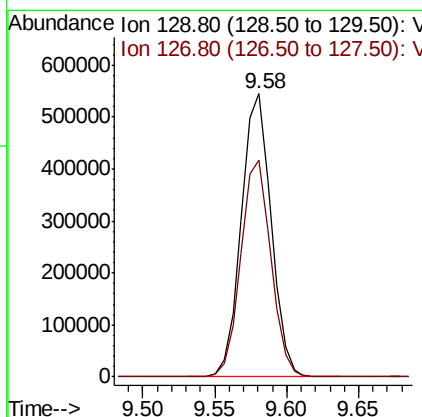
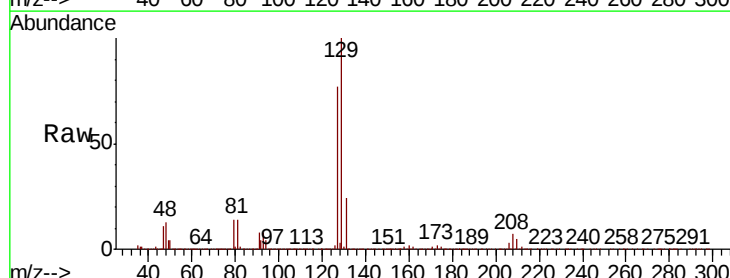
Manual Integrations
APPROVED

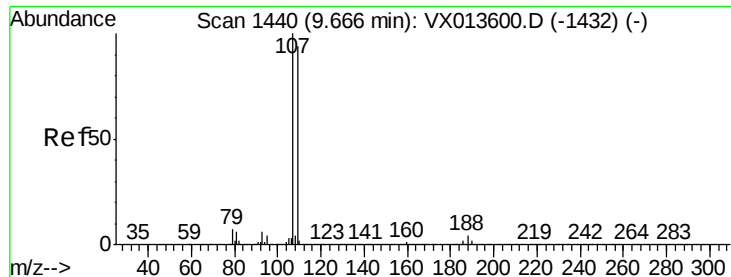
apatel
11/27/2019 2:09:33 PM



#60
Dibromochloromethane
Concen: 109.564 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion: 129 Resp: 782181
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 102.183 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 755098

Ion Ratio Lower Upper

107 100

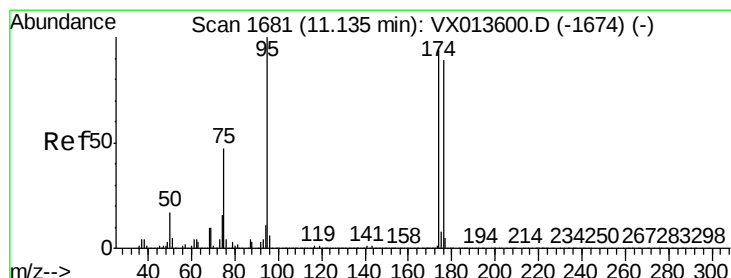
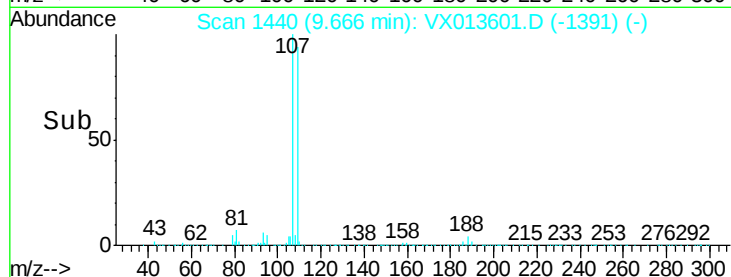
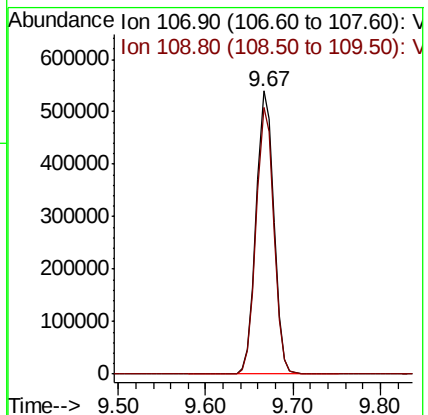
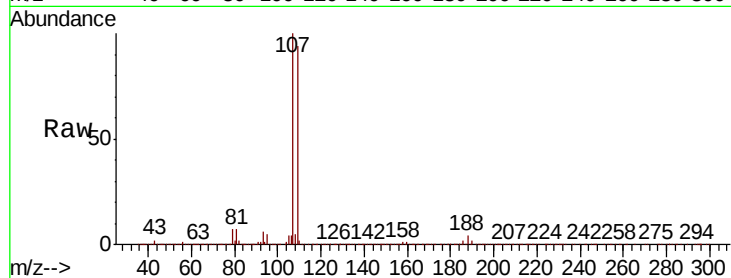
109 94.1 76.1 114.1

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#62

4-Bromofluorobenzene

Concen: 105.178 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

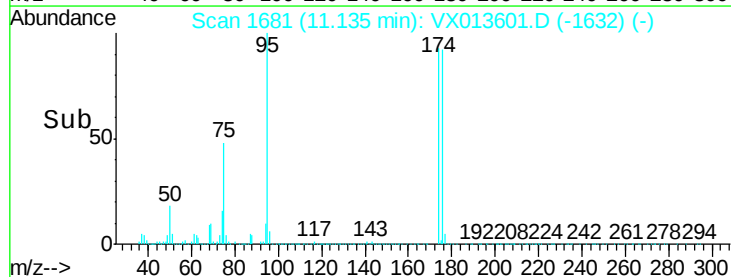
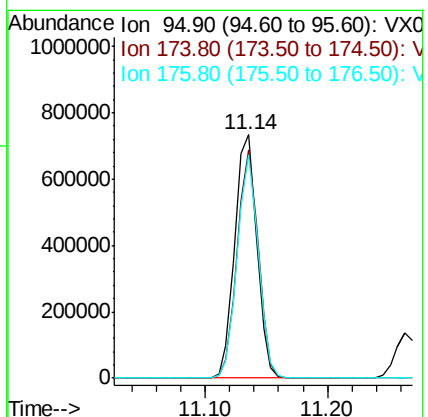
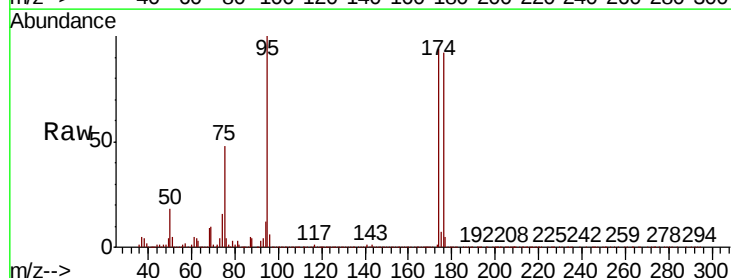
Tgt Ion: 95 Resp: 911152

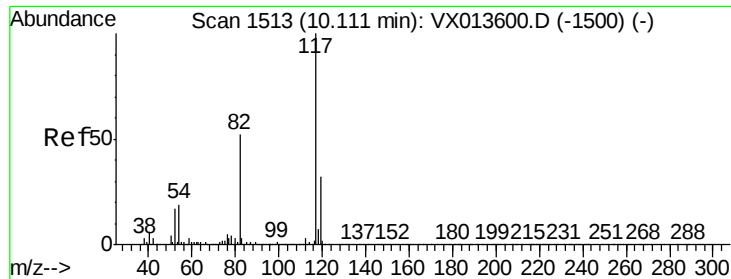
Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.0

176 87.3 0.0 173.6





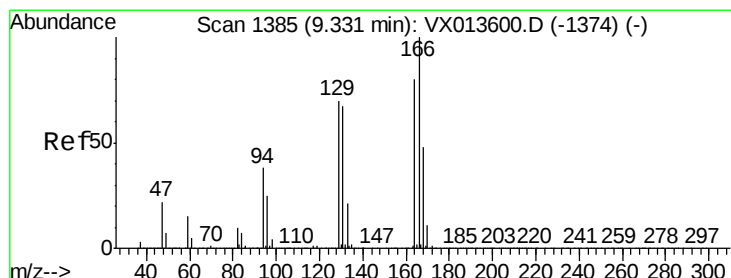
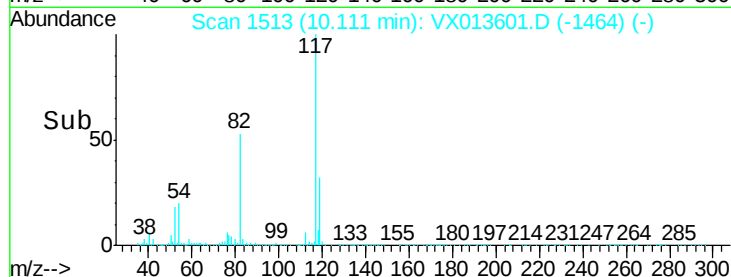
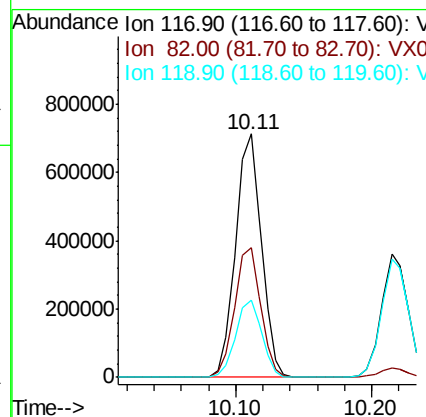
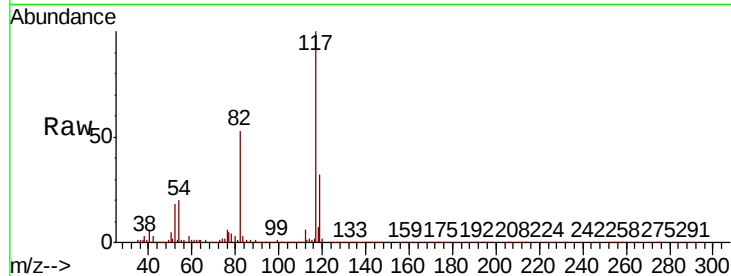
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.8	62.8
119	31.6	25.8	38.8

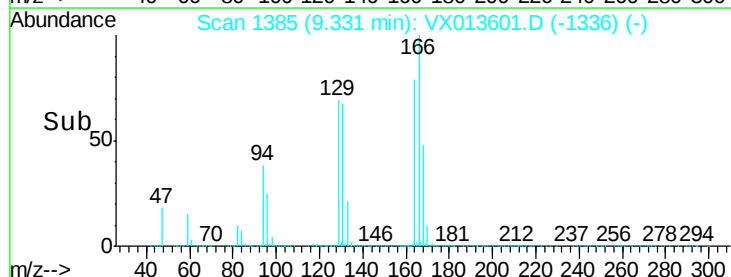
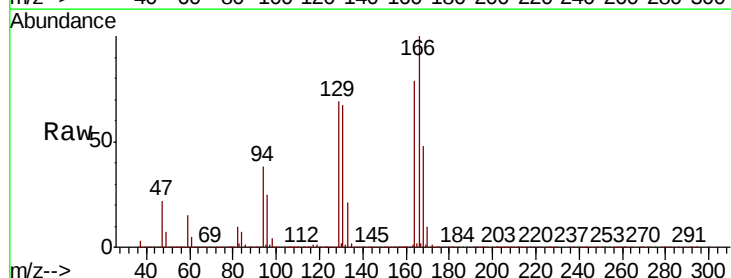
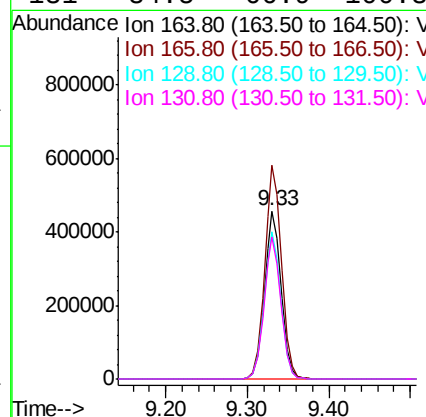
Manual Integrations
APPROVED

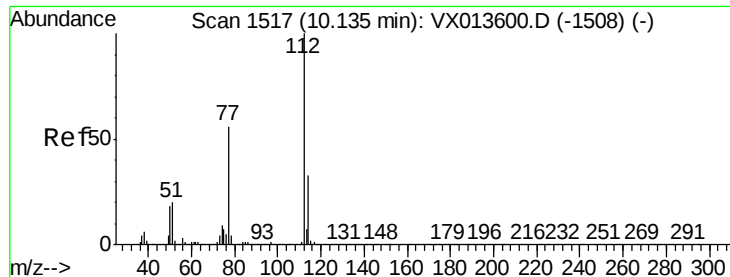
apatel
11/27/2019 2:09:33 PM



#64
Tetrachloroethene
Concen: 97.815 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	99.7	149.5
129	87.4	70.1	105.1
131	84.5	66.9	100.3





#65

Chlorobenzene

Concen: 100.261 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1907346

Ion Ratio Lower Upper

112 100

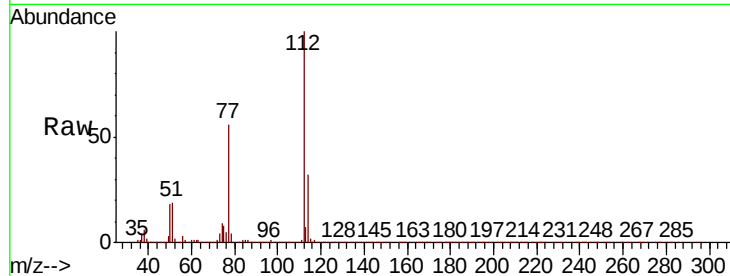
114 31.9 26.1 39.1

Manual Integrations

APPROVED

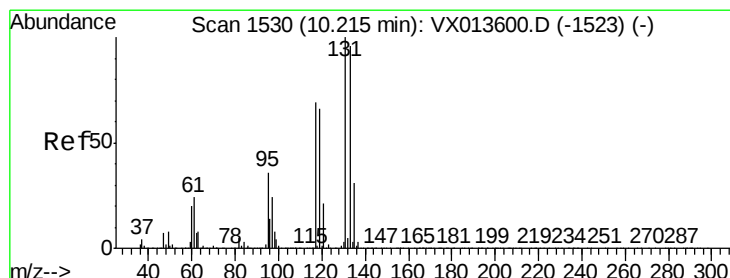
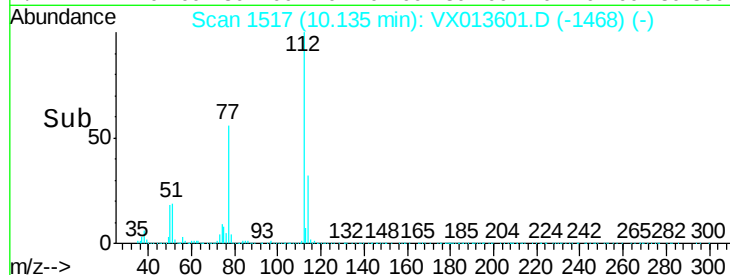
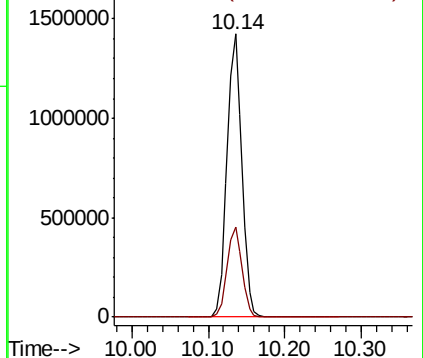
apatel

11/27/2019 2:09:33 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 102.775 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

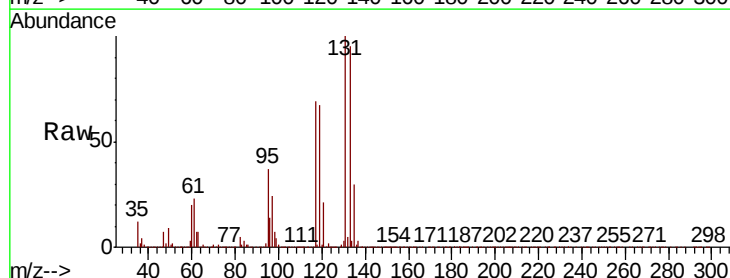
Tgt Ion:131 Resp: 716387

Ion Ratio Lower Upper

131 100

133 95.3 47.7 143.1

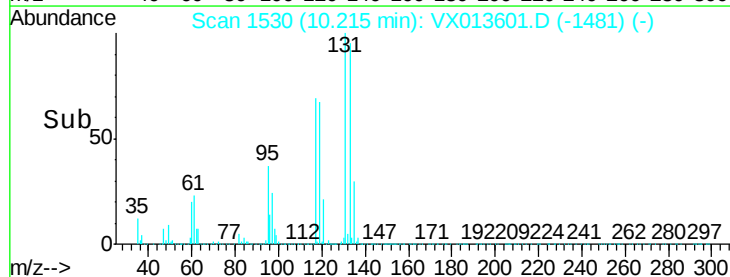
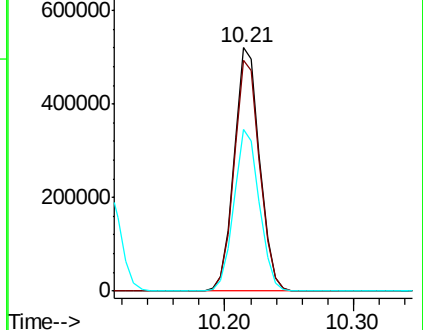
119 66.2 32.9 98.6

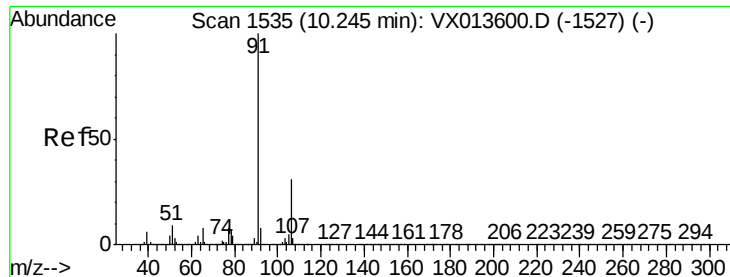


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 102.009 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3353117

Ion Ratio Lower Upper

91 100

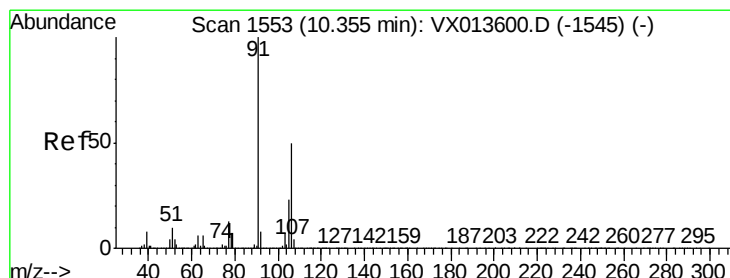
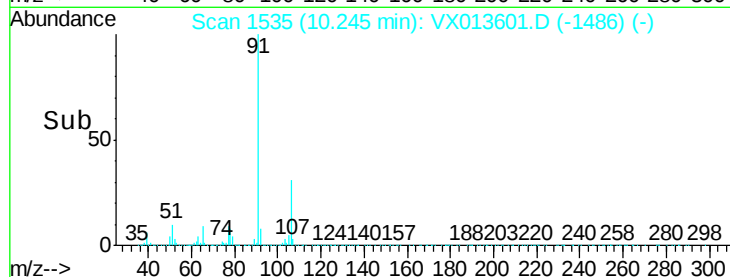
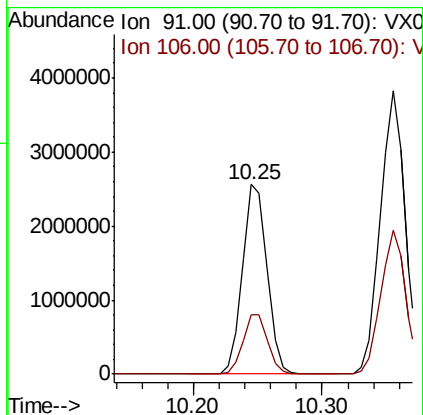
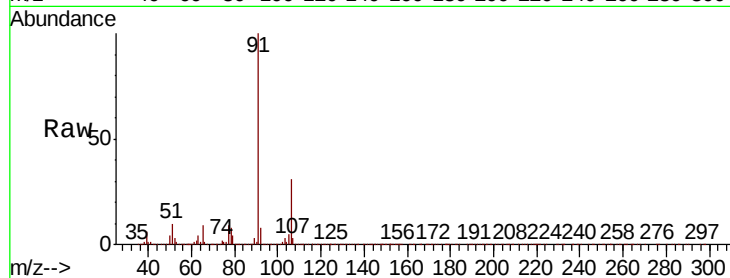
106 31.5 24.5 36.7

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



#68

m/p-Xylenes

Concen: 207.312 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013601.D

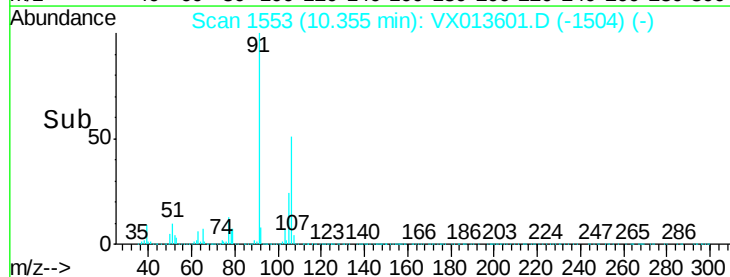
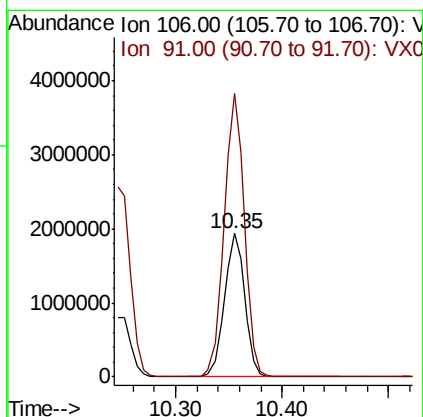
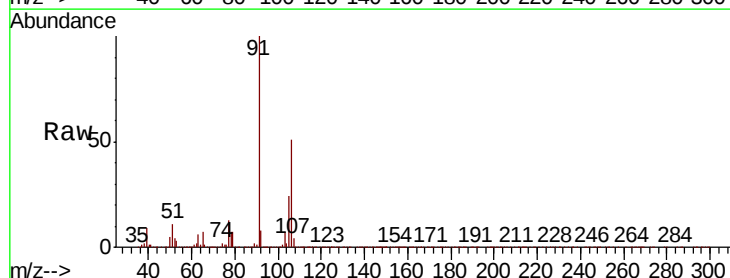
Acq: 26 Nov 2019 15:05

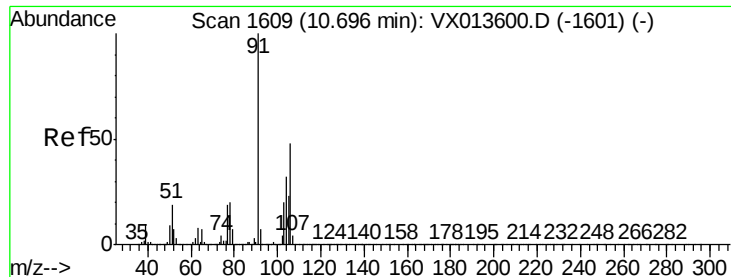
Tgt Ion: 106 Resp: 2570497

Ion Ratio Lower Upper

106 100

91 197.4 159.0 238.4





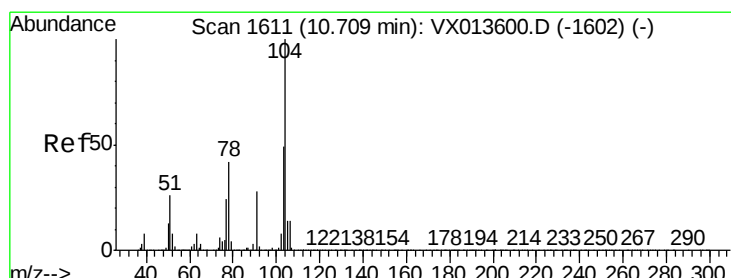
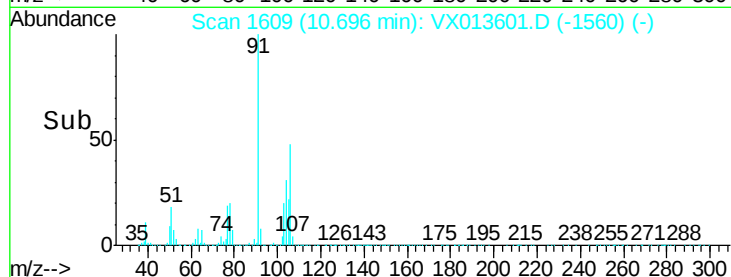
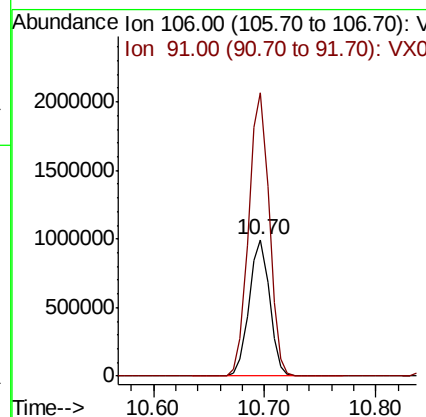
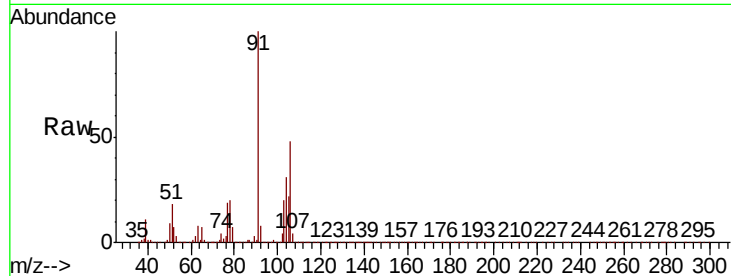
#69
o-Xylene
Concen: 103.474 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1261068
Ion Ratio Lower Upper
106 100
91 209.6 104.1 312.2

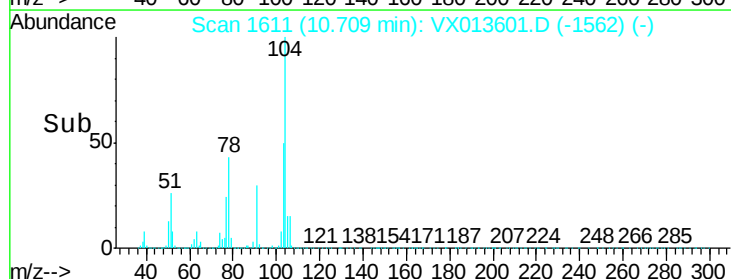
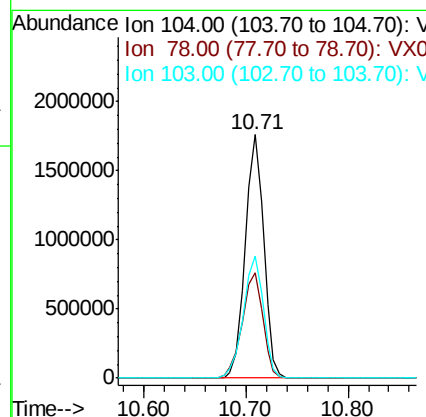
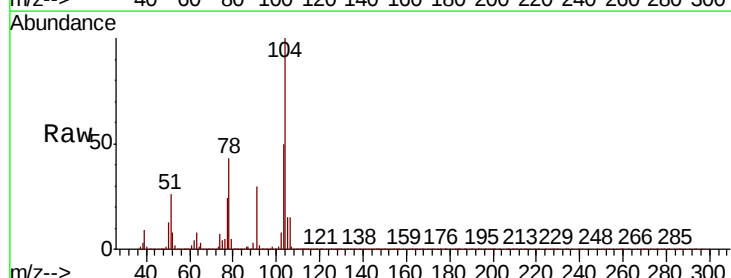
Manual Integrations
APPROVED

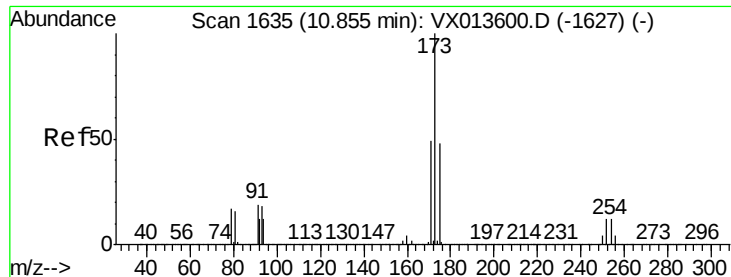
apatel
11/27/2019 2:09:33 PM



#70
Styrene
Concen: 108.044 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion:104 Resp: 2195080
Ion Ratio Lower Upper
104 100
78 48.4 38.5 57.7
103 54.5 43.7 65.5





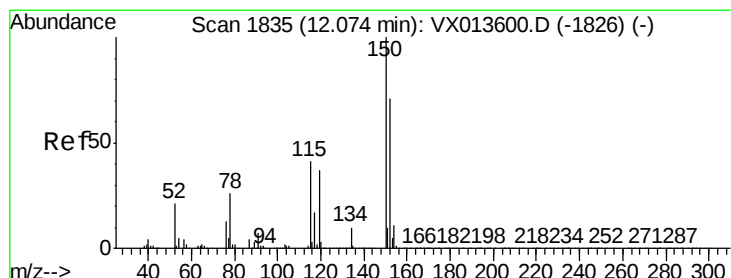
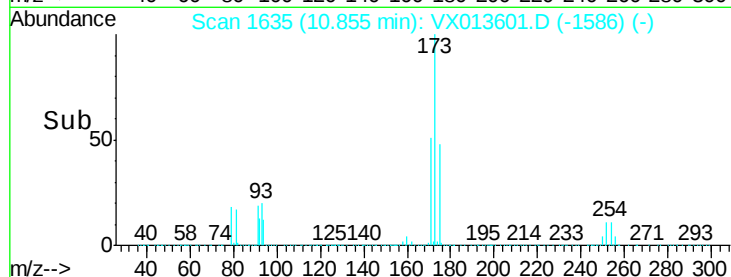
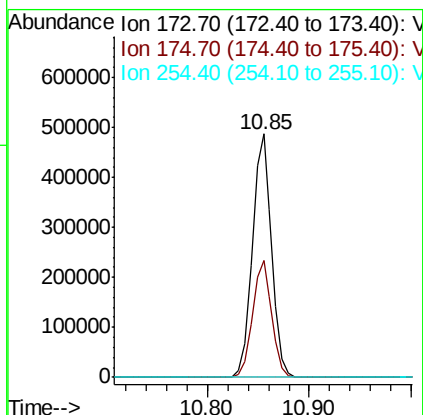
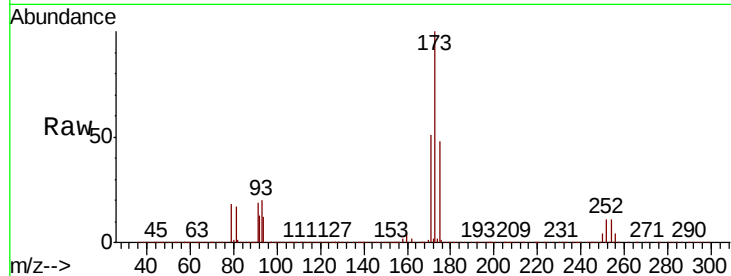
#71
Bromoform
Concen: 113.272 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.8
254	0.2	0.2	0.4

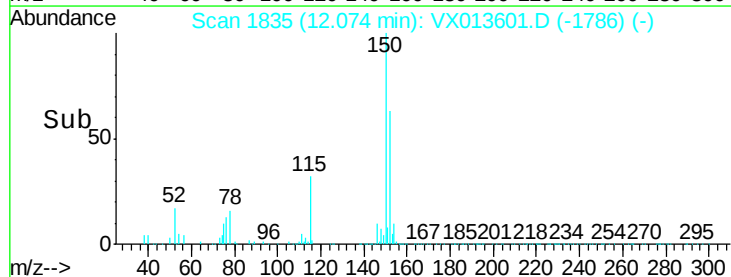
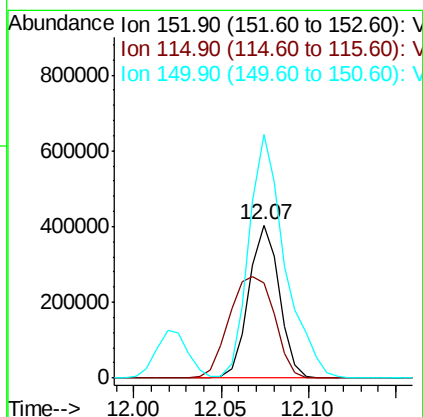
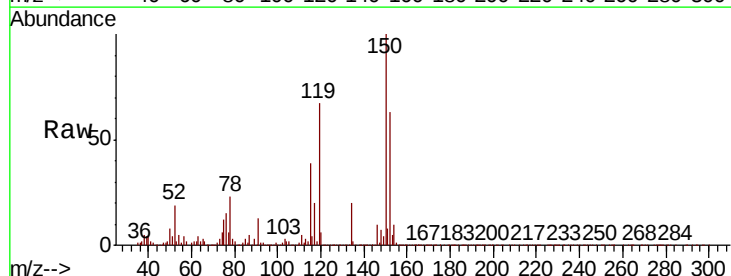
Manual Integrations
APPROVED

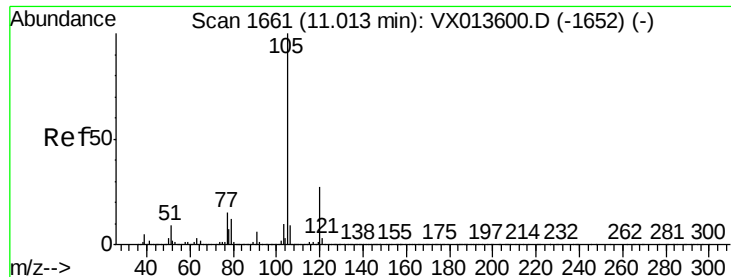
apatel
11/27/2019 2:09:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	98.3	38.4	115.1
150	188.2	0.0	346.8





#73

Isopropylbenzene

Concen: 100.691 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3287831

Ion Ratio Lower Upper

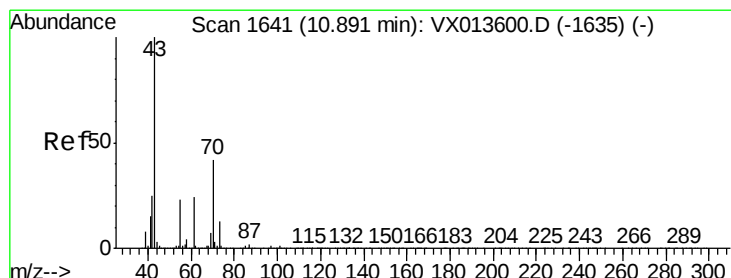
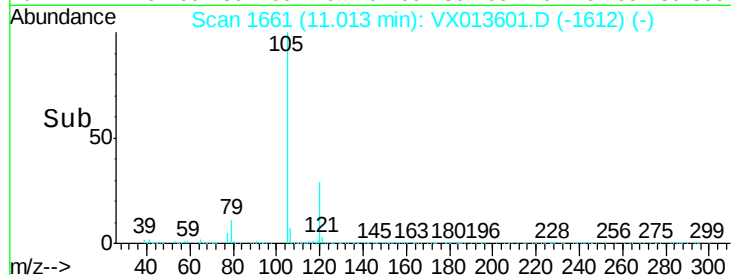
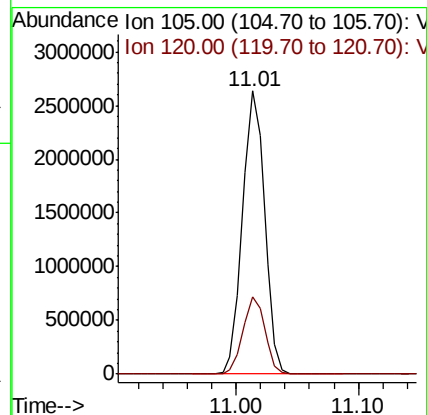
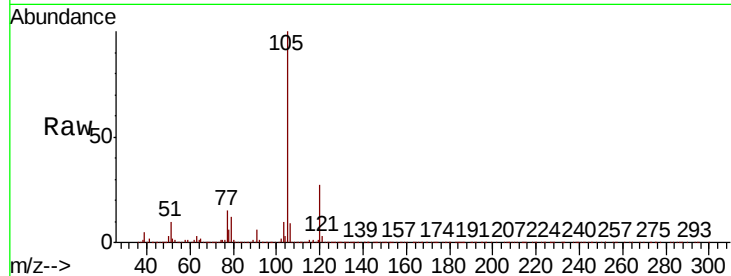
105 100

120 27.1 13.5 40.5

Manual Integrations
APPROVED

apatel

11/27/2019 2:09:33 PM



#74

N-ethyl acetate

Concen: 108.355 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Tgt Ion: 43 Resp: 1632458

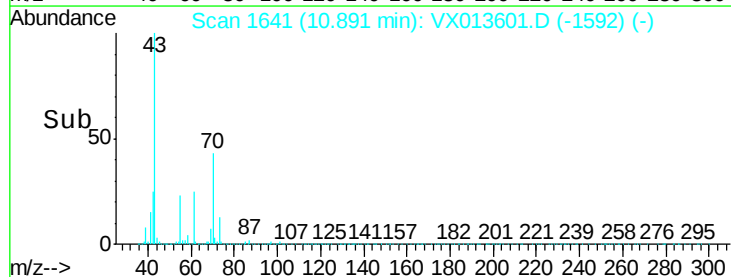
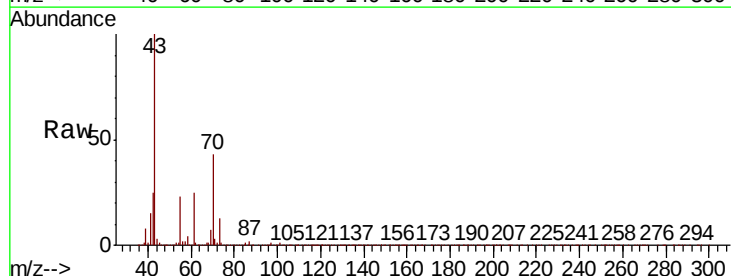
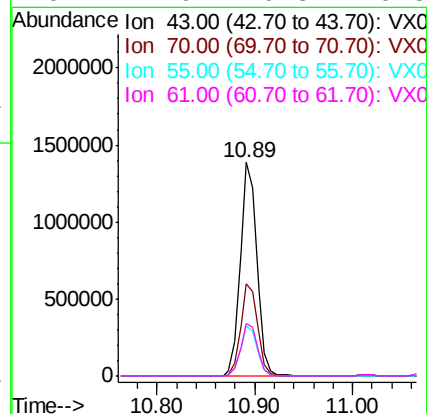
Ion Ratio Lower Upper

43 100

70 43.7 34.3 51.5

55 23.4 18.5 27.7

61 24.9 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 97.903 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1159671

Ion Ratio Lower Upper

83 100

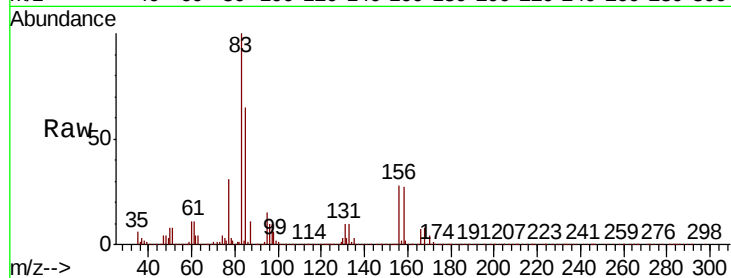
131 10.2 5.1 15.3

85 65.0 31.8 95.3

Manual Integrations
APPROVED

apatel

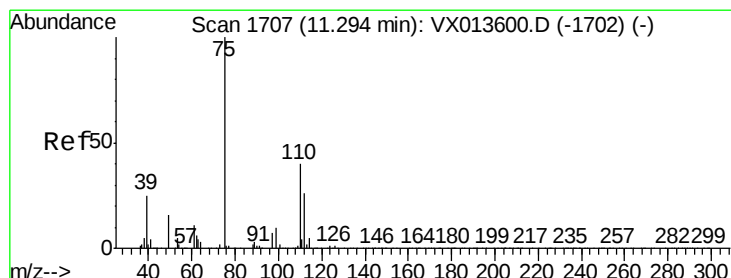
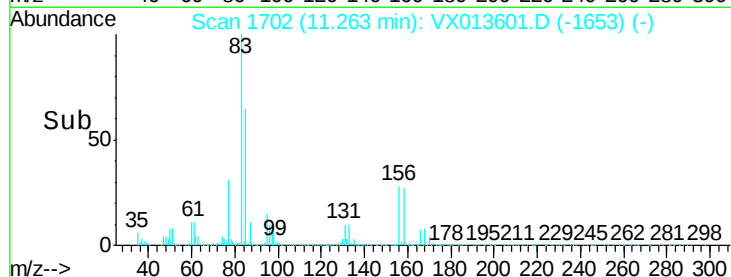
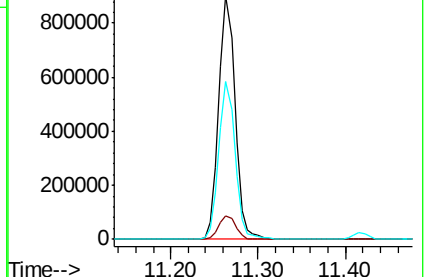
11/27/2019 2:09:33 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 106.005 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013601.D

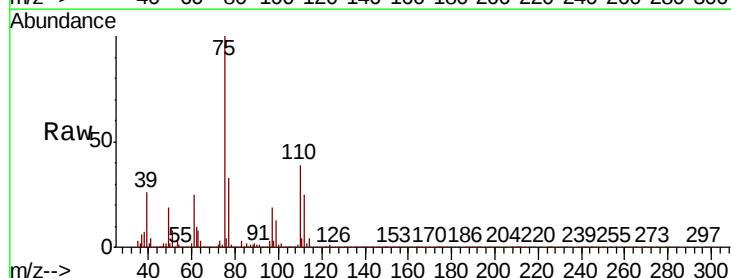
Acq: 26 Nov 2019 15:05

Tgt Ion: 75 Resp: 1084684

Ion Ratio Lower Upper

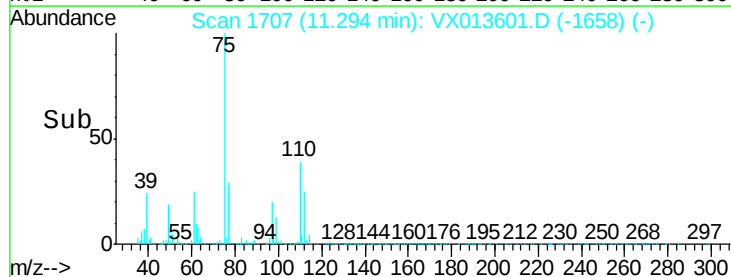
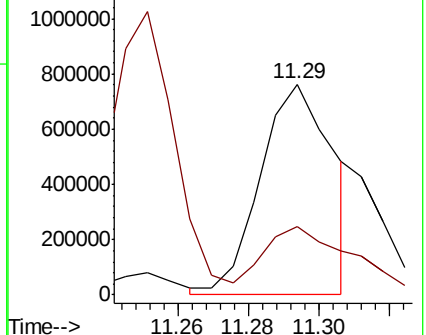
75 100

77 40.0 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 101.878 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

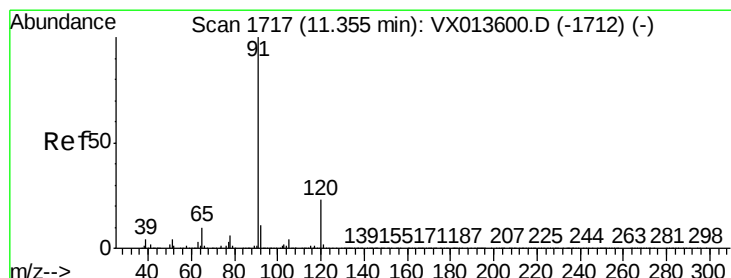
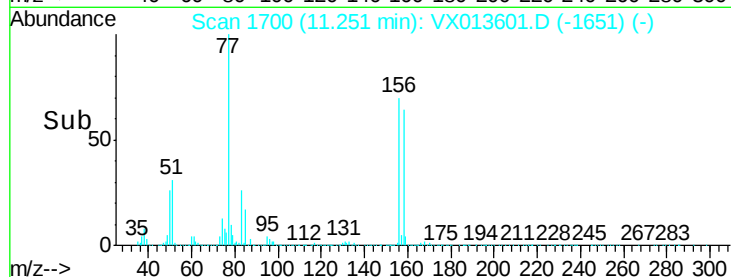
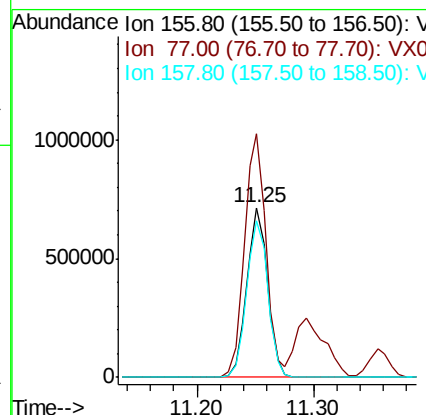
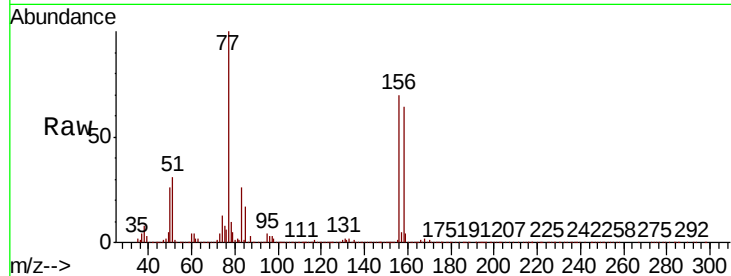
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	886782
Ion Ratio	Lower	Upper	
156	100		
77	148.8	74.4	223.1
158	94.7	48.9	146.6

Manual Integrations
APPROVED

apatel
11/27/2019 2:09:33 PM



#78

n-propylbenzene

Concen: 103.266 ug/l

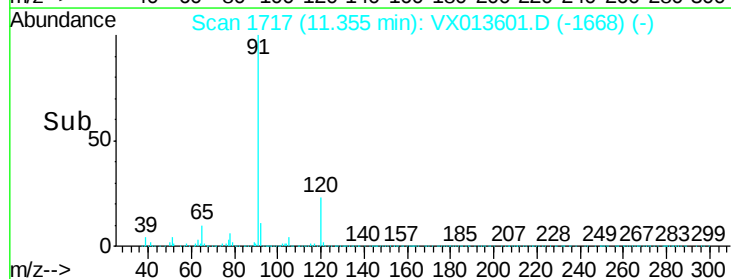
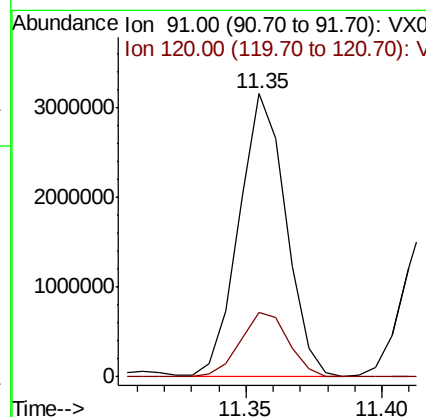
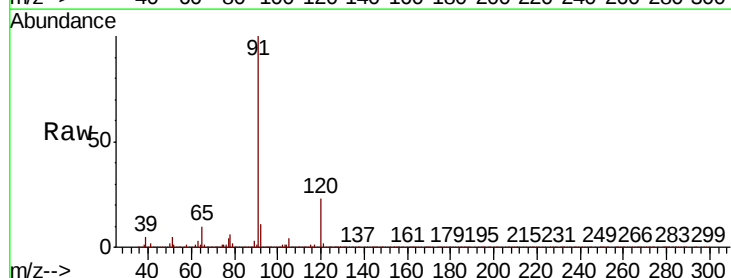
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Tgt Ion:	91	Resp:	3748087
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.3





#79

2-Chlorotoluene

Concen: 101.464 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2218351

Ion Ratio Lower Upper

91 100

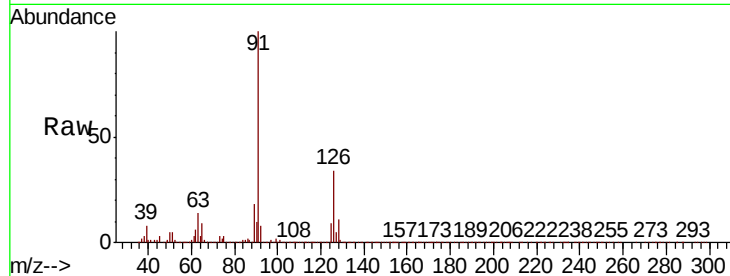
126 35.0 17.5 52.5

Manual Integrations

APPROVED

apatel

11/27/2019 2:09:33 PM



Abundance Ion 91.00 (90.70 to 91.70): VX013601.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX013601.D (-1678) (-)

3000000

2000000

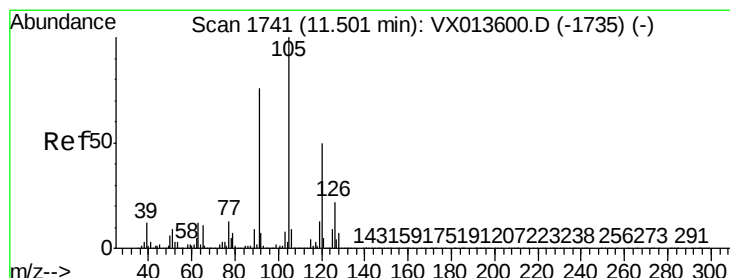
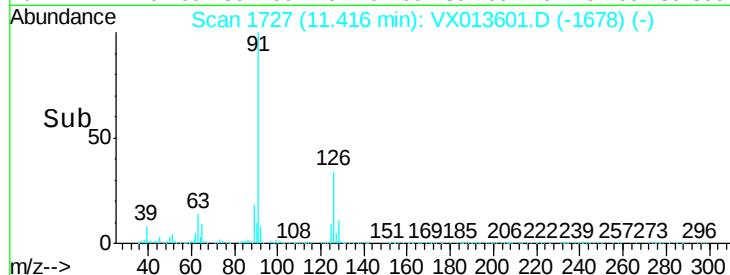
1000000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 103.661 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013601.D

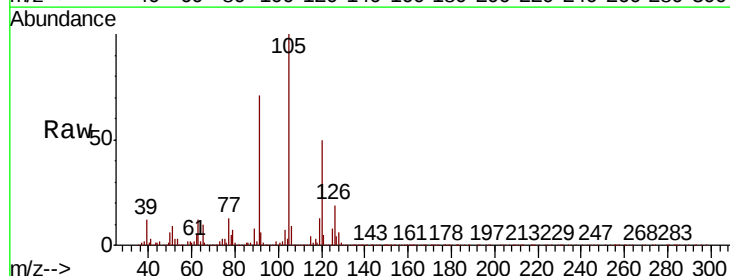
Acq: 26 Nov 2019 15:05

Tgt Ion: 105 Resp: 2810538

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX013601.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX013601.D (-1692) (-)

2500000

2000000

1500000

1000000

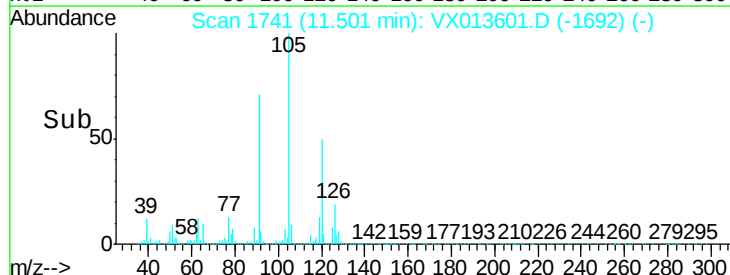
500000

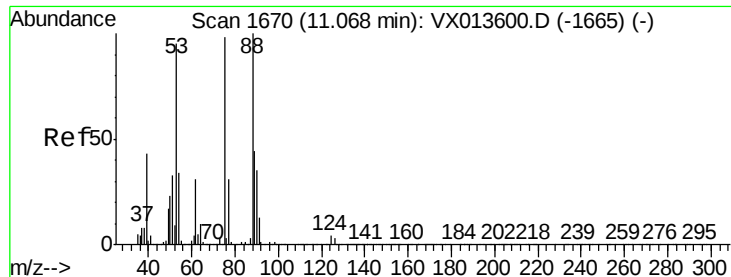
0

11.50

11.60

Time-->





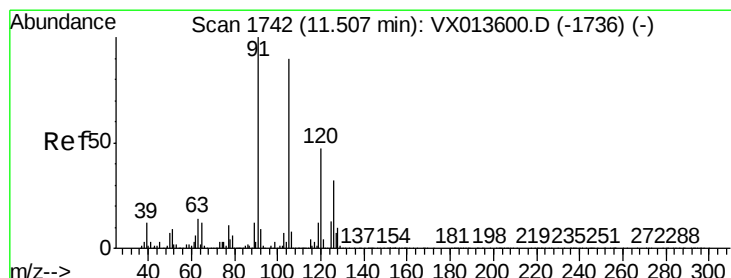
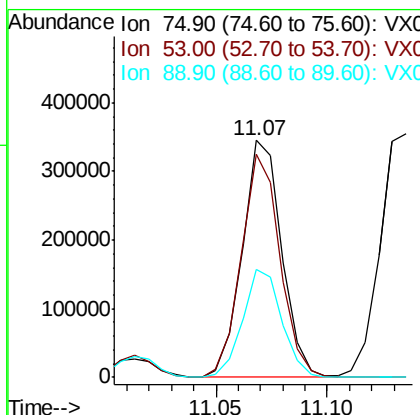
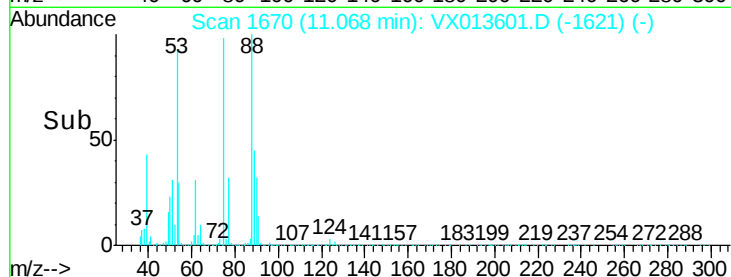
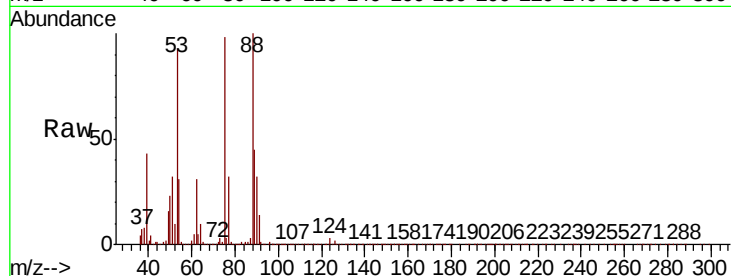
#81
trans-1,4-Dichloro-2-butene
Concen: 109.579 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	78.2	117.2
89	45.4	35.4	53.2

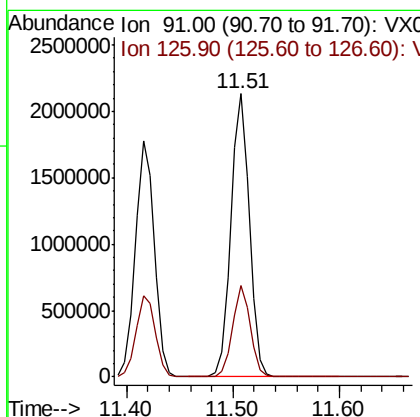
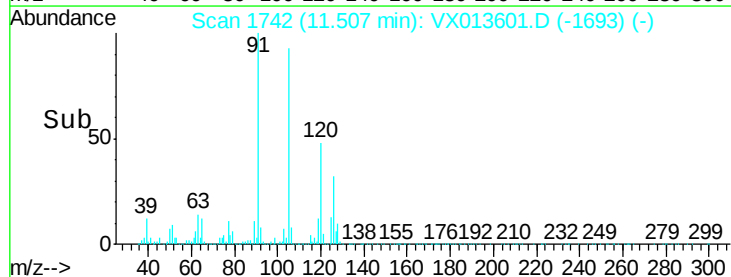
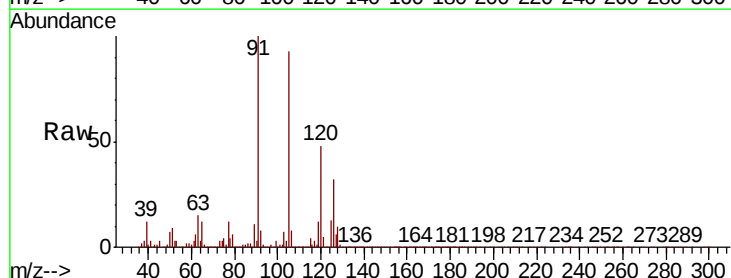
Manual Integrations
APPROVED

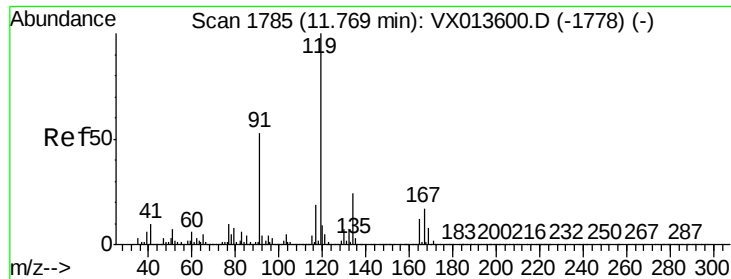
apatel
11/27/2019 2:09:33 PM



#82
4-Chlorotoluene
Concen: 101.413 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.7	47.0





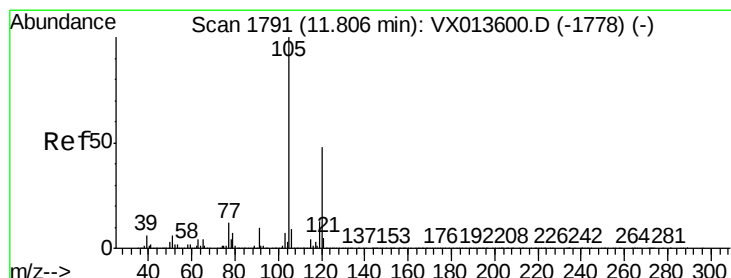
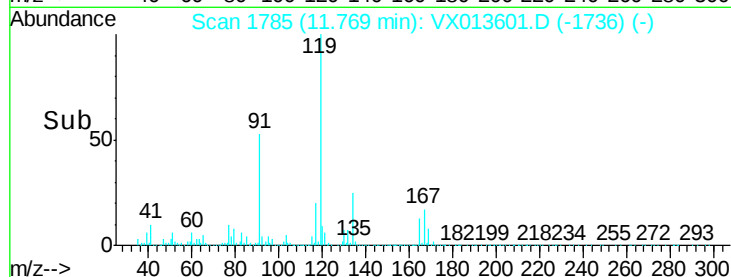
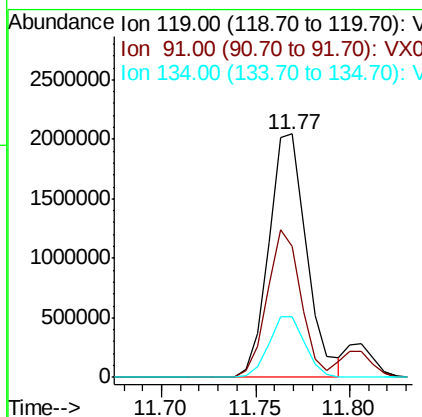
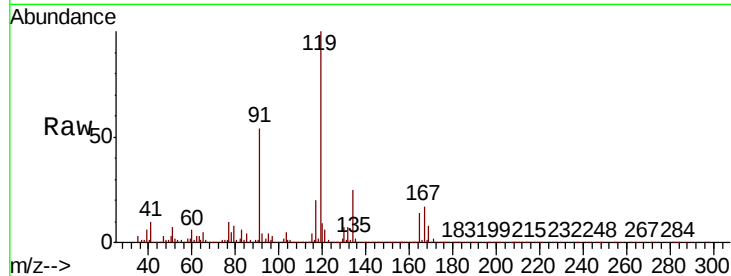
#83
tert-Butylbenzene
Concen: 104.402 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.0	27.2	81.6
134	23.8	11.7	35.1

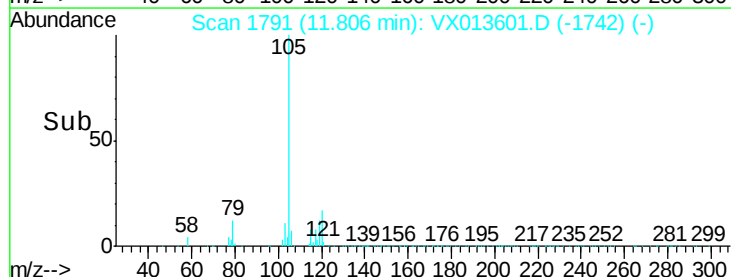
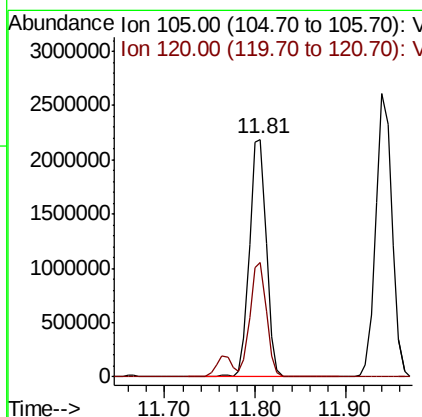
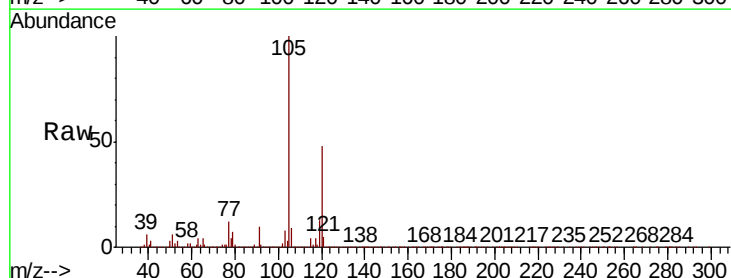
Manual Integrations
APPROVED

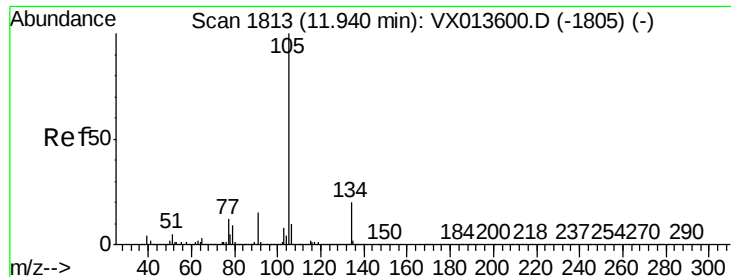
apatel
11/27/2019 2:09:33 PM



#84
1,2,4-Trimethylbenzene
Concen: 103.641 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.1	69.3





#85

sec-Butylbenzene

Concen: 103.263 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC100

Tot Ion:105 Resp: 3241072

Ion Ratio Lower Upper

105 100

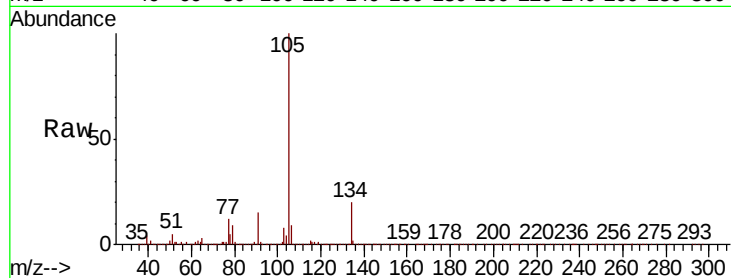
134 20.9 10.4 31.2

Manual Integrations

APPROVED

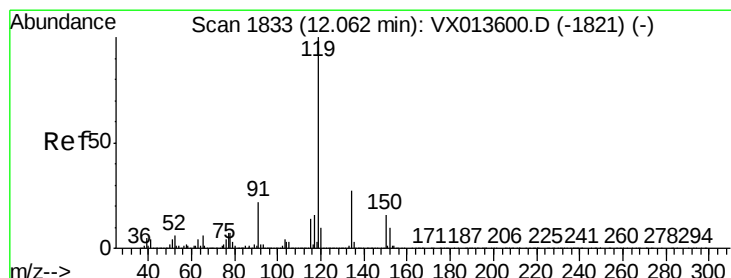
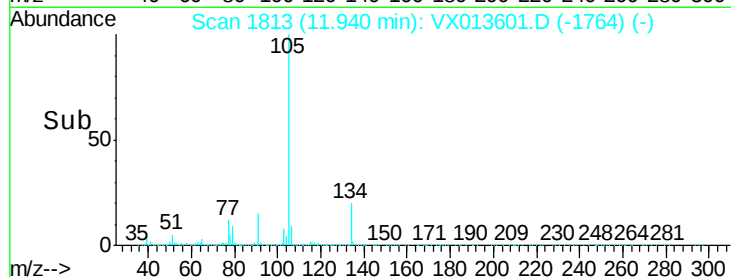
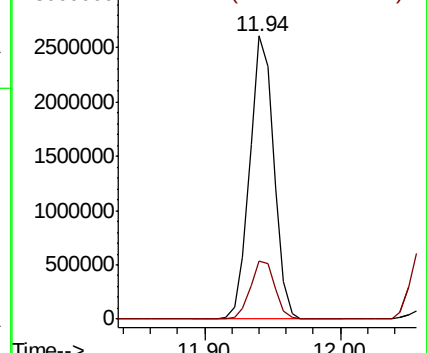
apatel

11/27/2019 2:09:33 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 104.511 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

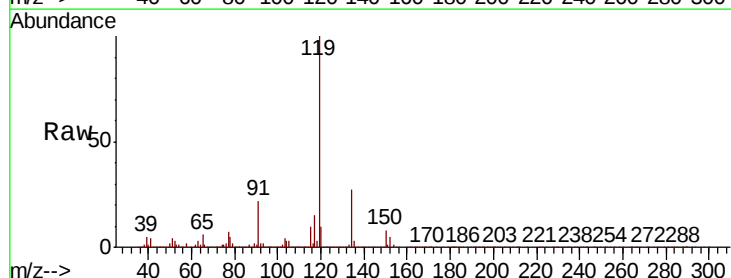
Tgt Ion:119 Resp: 3017882

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

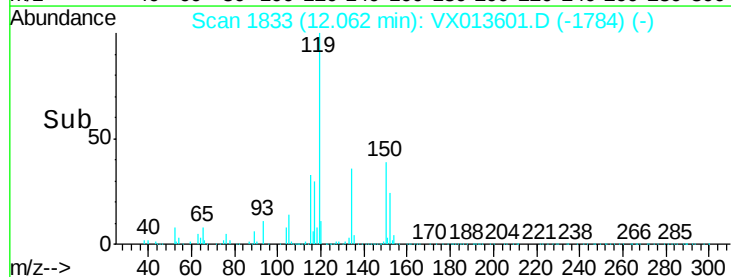
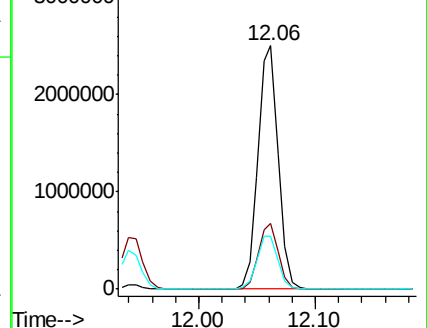
91 22.5 11.3 33.8

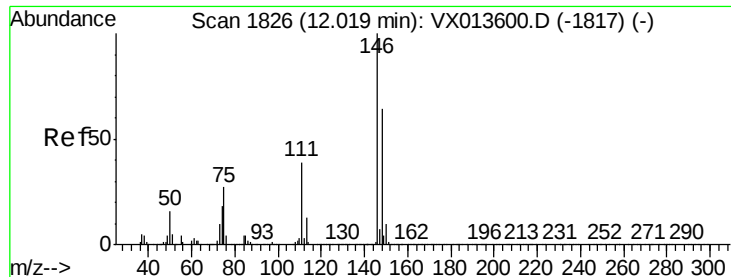


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





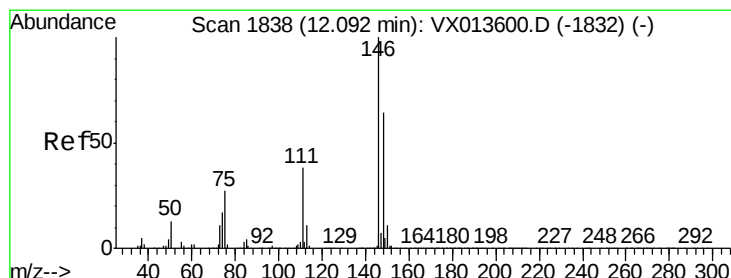
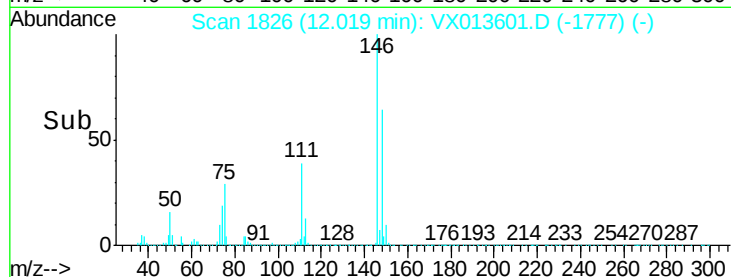
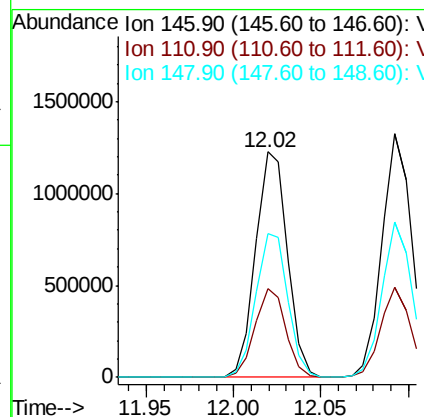
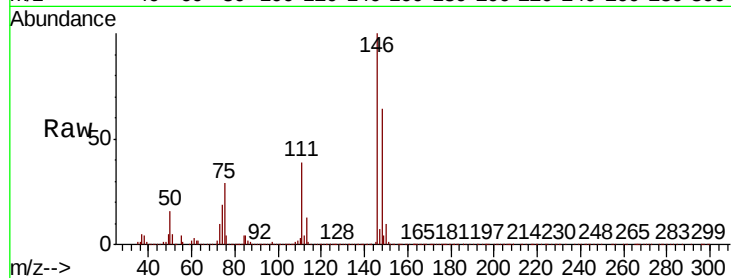
#87
 1,3-Dichlorobenzene
 Concen: 101.693 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	64.0	31.8	95.4

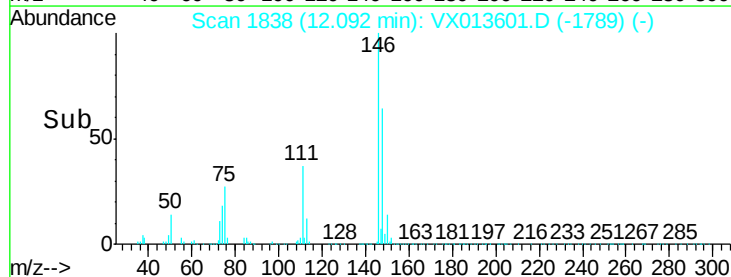
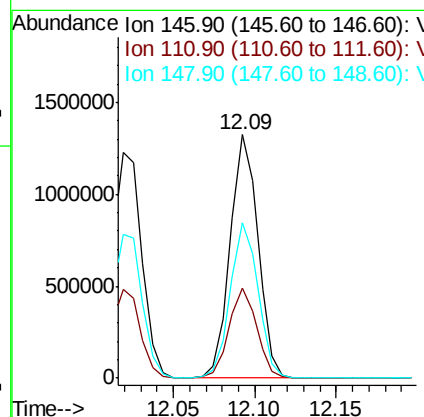
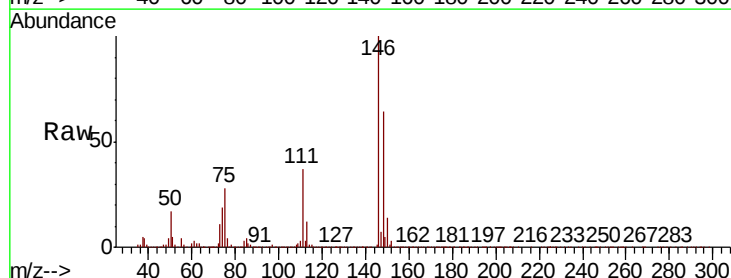
Manual Integrations
 APPROVED

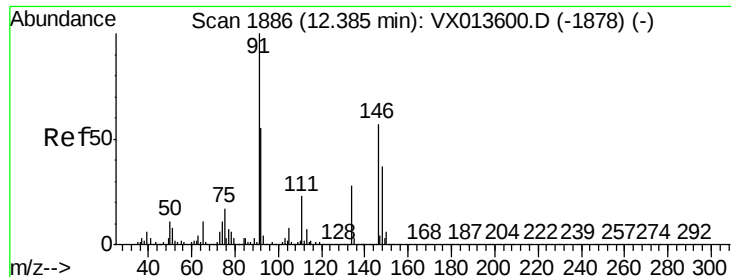
apatel
 11/27/2019 2:09:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 99.612 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	63.9	31.9	95.5





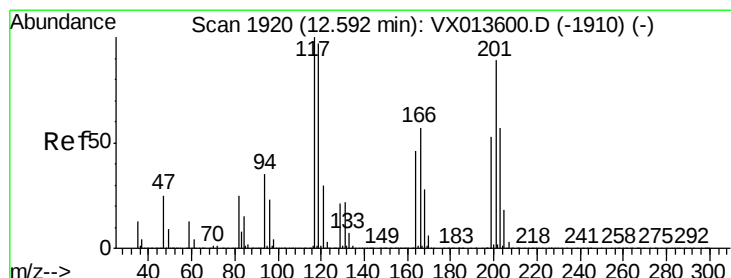
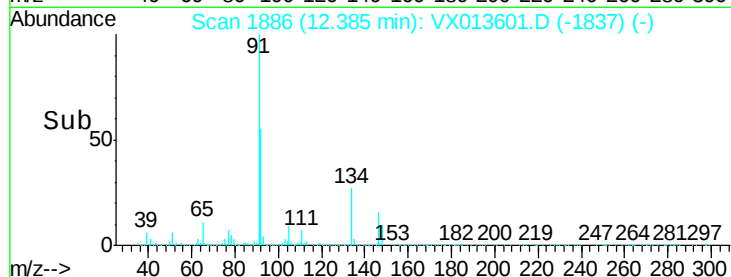
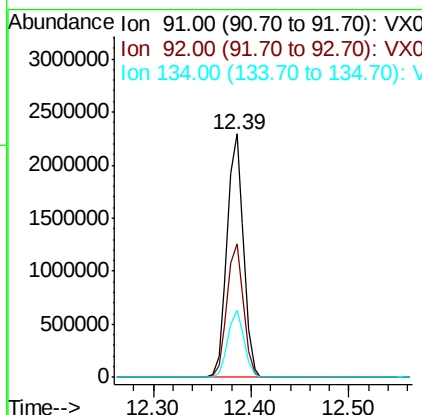
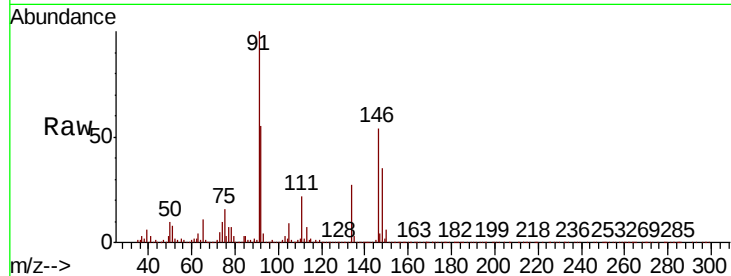
#89
n-Butylbenzene
Concen: 106.329 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2670466
Ion Ratio Lower Upper
91 100
92 55.2 27.4 82.2
134 27.1 13.5 40.4

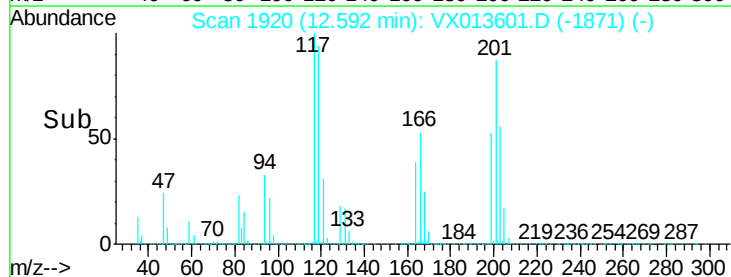
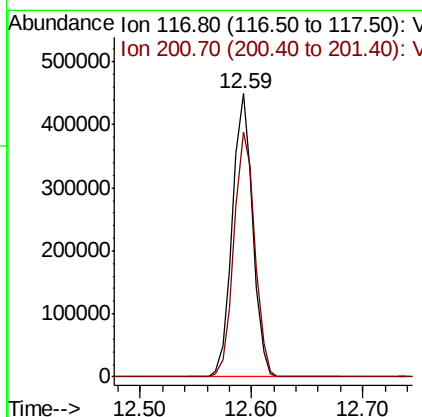
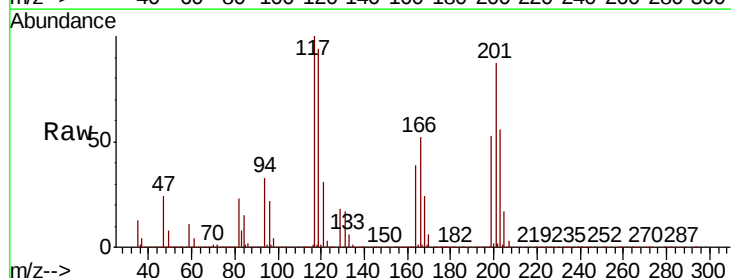
Manual Integrations
APPROVED

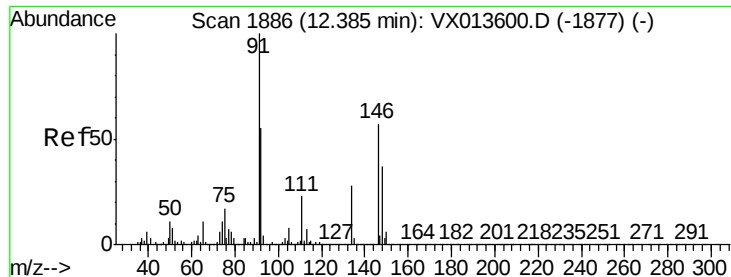
apatel
11/27/2019 2:09:33 PM



#90
Hexachloroethane
Concen: 109.866 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion: 117 Resp: 566022
Ion Ratio Lower Upper
117 100
201 88.8 44.1 132.4





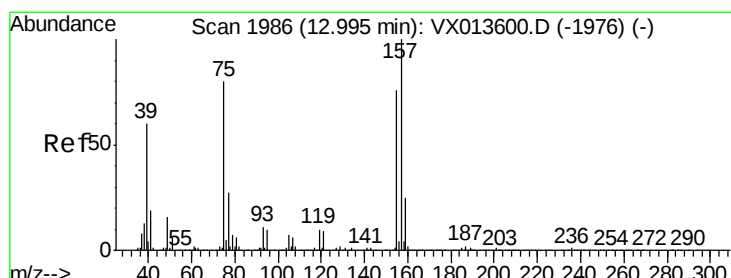
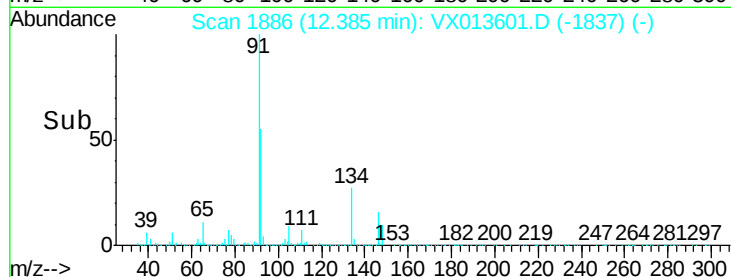
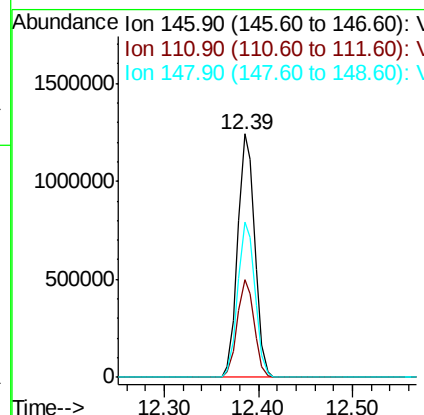
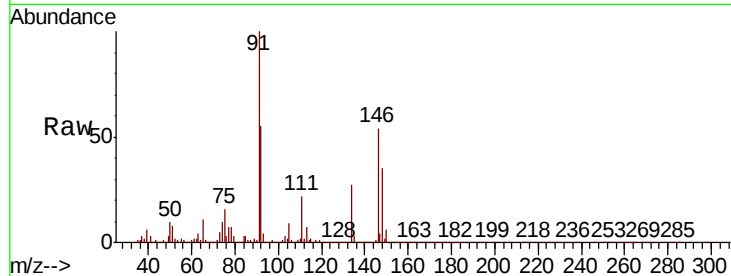
#91
 1,2-Dichlorobenzene
 Concen: 100.766 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	64.5	31.9	95.7

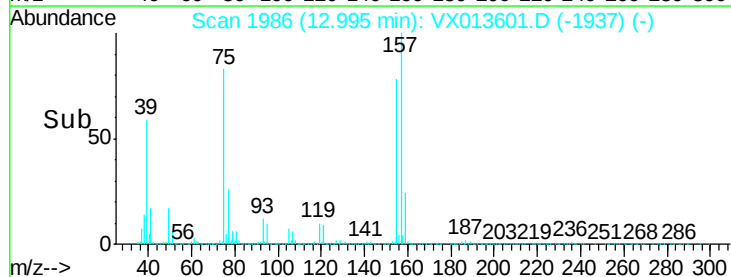
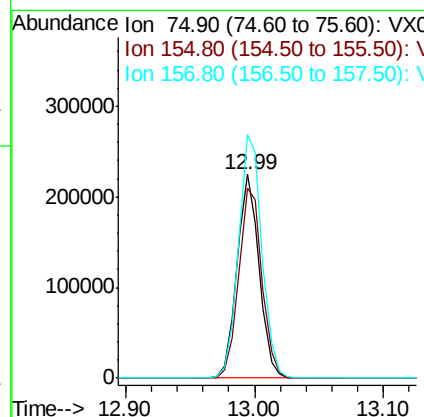
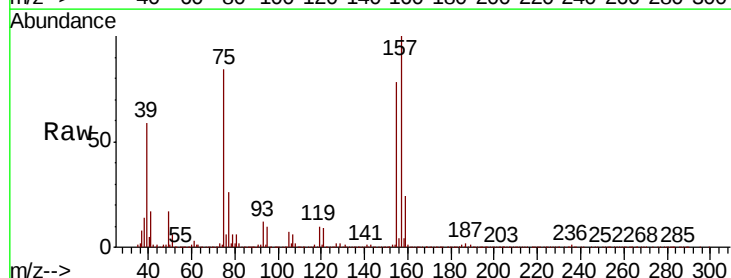
Manual Integrations
 APPROVED

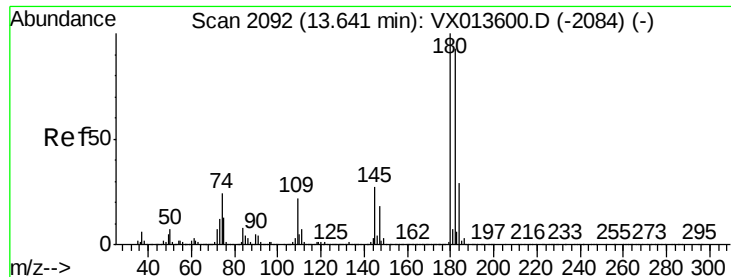
apatel
 11/27/2019 2:09:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 94.250 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	47.6	142.8
157	125.7	62.1	186.2





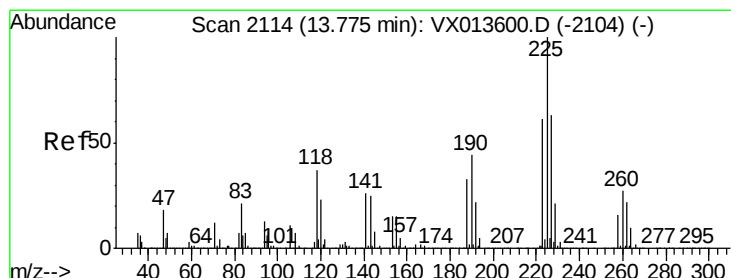
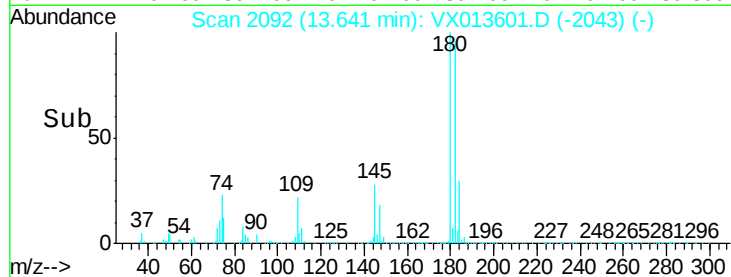
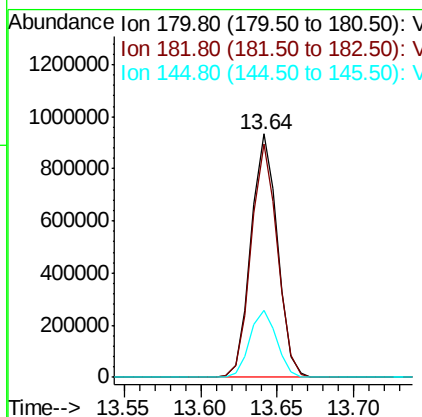
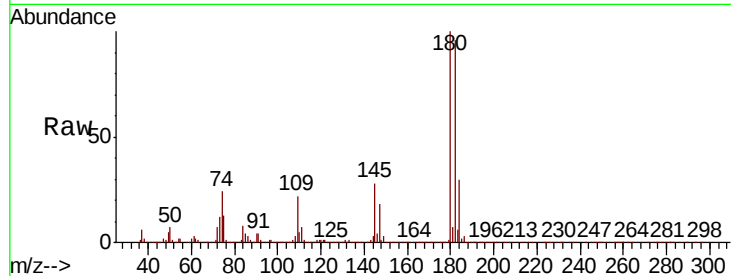
#93
 1,2,4-Trichlorobenzene
 Concen: 103.935 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.2	141.6
145	28.1	13.8	41.4

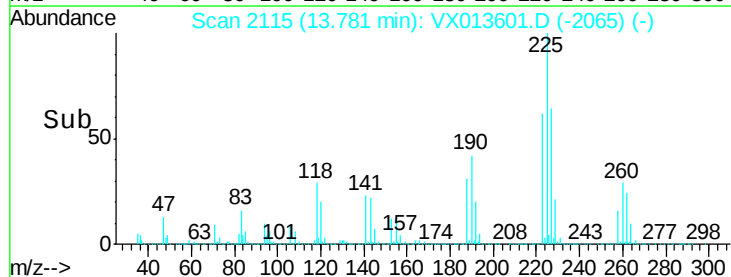
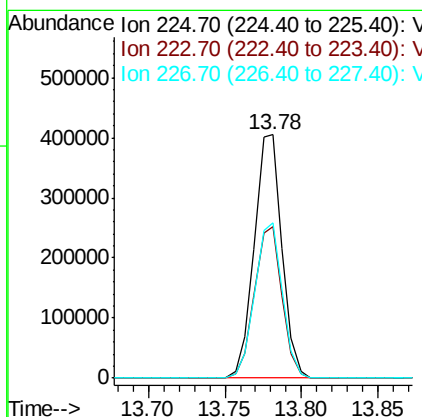
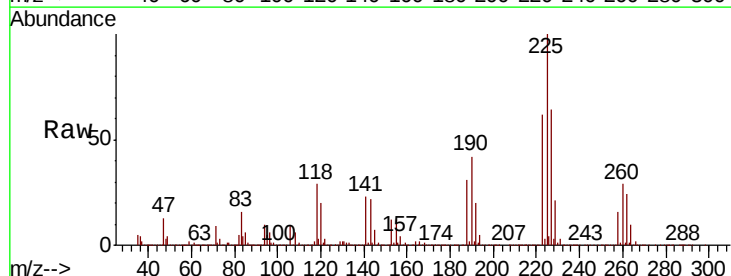
Manual Integrations
 APPROVED

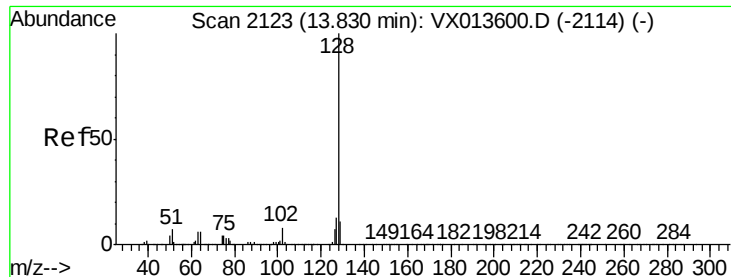
apatel
 11/27/2019 2:09:33 PM



#94
 Hexachlorobutadiene
 Concen: 98.035 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX013601.D
 Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.5
227	63.4	32.1	96.3





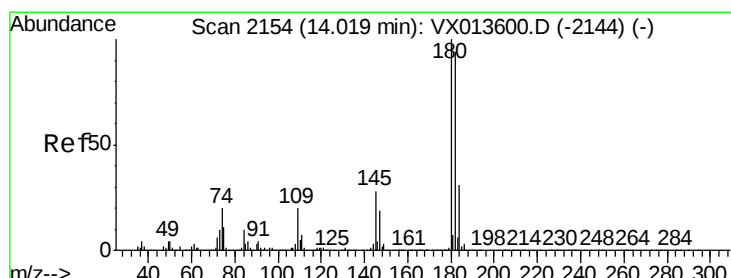
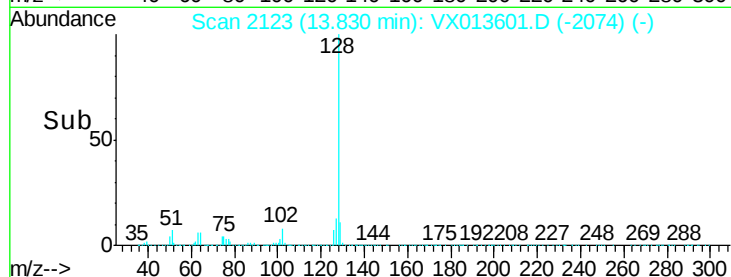
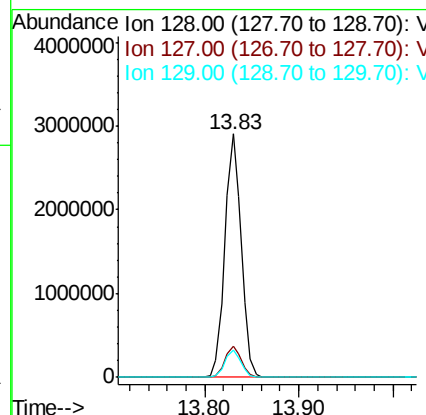
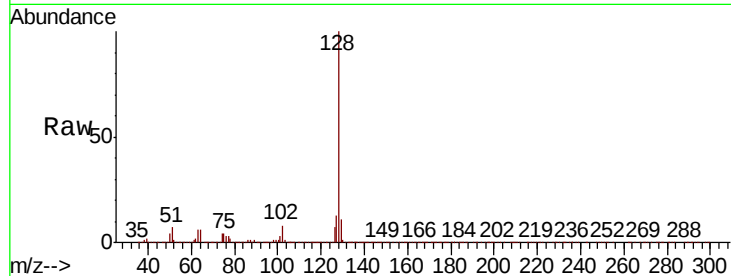
#95
Naphthalene
Concen: 104.524 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

apatel
11/27/2019 2:09:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 104.718 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX013601.D
Acq: 26 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	29.1	15.0	45.0

