

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090219\
 Data File : VX012014.D
 Acq On : 02 Sep 2019 14:15
 Operator : SY/SP
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

sam
 9/3/2019 2:16:15 PM

Quant Time: Sep 03 05:01:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 04:42:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	388291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	522423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	492663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	296158	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	352739	95.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.32%	
35) Dibromofluoromethane	5.48	113	345606	102.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.90%	
50) Toluene-d8	8.71	98	1239583	102.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.58%	
62) 4-Bromofluorobenzene	11.14	95	500574	94.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	236543	100.224	ug/l	99
3) Chloromethane	1.31	50	245743	92.438	ug/l	100
4) Vinyl Chloride	1.39	62	250910	97.800	ug/l	97
5) Bromomethane	1.62	94	159619	89.602	ug/l	97
6) Chloroethane	1.70	64	157255	98.626	ug/l	100
7) Trichlorofluoromethane	1.91	101	442343	98.743	ug/l	99
8) Diethyl Ether	2.17	74	139137	91.840	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	281603	96.636	ug/l	99
10) Methyl Iodide	2.50	142	352131	129.701	ug/l	100
11) Tert butyl alcohol	3.03	59	143377	414.274	ug/l	99
12) 1,1-Dichloroethene	2.36	96	267991	99.360	ug/l	99
13) Acrolein	2.28	56	24412	146.078	ug/l	98
14) Allyl chloride	2.71	41	462246	93.017	ug/l	99
15) Acrylonitrile	3.12	53	355674	434.138	ug/l	99
16) Acetone	2.43	43	344836	440.782	ug/l	98
17) Carbon Disulfide	2.56	76	804388	103.707	ug/l	100
18) Methyl Acetate	2.76	43	181315	84.824	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	794198	92.289	ug/l	100
20) Methylene Chloride	2.84	84	305638	78.945	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	317287	100.093	ug/l	99
22) Diisopropyl ether	3.84	45	912788	90.264	ug/l	99
23) Vinyl Acetate	3.80	43	2952305	454.767	ug/l	99
24) 1,1-Dichloroethane	3.68	63	527684	93.935	ug/l	99
25) 2-Butanone	4.65	43	500018	444.663	ug/l	99
26) 2,2-Dichloropropane	4.56	77	474324	99.095	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	362732	97.680	ug/l	99
28) Bromochloromethane	5.00	49	210380	84.959	ug/l	100
29) Tetrahydrofuran	5.11	42	307761	438.694	ug/l	99
30) Chloroform	5.19	83	575384	95.441	ug/l	99
31) Cyclohexane	5.56	56	426698	92.925	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	536727	99.299	ug/l	99
36) 1,1-Dichloropropene	5.79	75	414834	100.314	ug/l	100
37) Ethyl Acetate	4.81	43	215378	90.399	ug/l	100
38) Carbon Tetrachloride	5.77	117	505660	104.659	ug/l	99

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Manual Integrations
 APPROVED

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 9/3/2019 2:16:15 PM

Quant Time: Sep 03 05:01:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 04:42:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	490060	98.911	ug/l	99
40) Benzene	6.13	78	1208121	98.839	ug/l	98
41) Methacrylonitrile	5.03	41	128608	91.332	ug/l	99
42) 1,2-Dichloroethane	6.18	62	408225	98.375	ug/l	100
43) Isopropyl Acetate	6.43	43	445257	91.965	ug/l	100
44) Trichloroethene	7.20	130	397428	103.681	ug/l	99
45) 1,2-Dichloropropane	7.51	63	302116	95.027	ug/l	98
46) Dibromomethane	7.65	93	185418	97.830	ug/l	100
47) Bromodichloromethane	7.89	83	463910	98.869	ug/l	97
48) Methyl methacrylate	7.76	41	221108	93.862	ug/l	99
49) 1,4-Dioxane	7.73	88	58160	1805.092	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1101583	448.732	ug/l	100
52) Toluene	8.78	92	819984	100.971	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	471597	98.151	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	527060	97.734	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	264109	95.246	ug/l	99
56) Ethyl methacrylate	9.17	69	365115	95.551	ug/l	100
57) 1,3-Dichloropropane	9.37	76	435352	94.782	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	797632	445.277	ug/l	100
59) 2-Hexanone	9.48	43	788830	452.028	ug/l	100
60) Dibromochloromethane	9.57	129	376867	100.939	ug/l	99
61) 1,2-Dibromoethane	9.67	107	271000	98.564	ug/l	98
64) Tetrachloroethene	9.33	164	411560	103.460	ug/l	96
65) Chlorobenzene	10.14	112	954470	100.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	391114	102.028	ug/l	99
67) Ethyl Benzene	10.25	91	1602094	99.276	ug/l	100
68) m/p-Xylenes	10.36	106	1263149	202.418	ug/l	98
69) o-Xylene	10.70	106	616685	101.556	ug/l	99
70) Styrene	10.71	104	1068167	100.226	ug/l	100
71) Bromoform	10.85	173	280668	103.575	ug/l	98
73) Isopropylbenzene	11.01	105	1636279	96.301	ug/l	99
74) N-amyl acetate	10.89	43	432655	87.788	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	308773	90.343	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	267355m	95.363	ug/l	
77) Bromobenzene	11.25	156	487845	98.965	ug/l	100
78) n-propylbenzene	11.35	91	1855671	96.654	ug/l	100
79) 2-Chlorotoluene	11.42	91	1103654	95.759	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1434601	98.248	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	102168	89.732	ug/l	98
82) 4-Chlorotoluene	11.51	91	1312010	94.466	ug/l	99
83) tert-Butylbenzene	11.77	119	1486057	99.742	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1452289	97.041	ug/l	100
85) sec-Butylbenzene	11.94	105	1683794	97.629	ug/l	99
86) p-Isopropyltoluene	12.06	119	1660311	99.177	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	909076	99.533	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	908982	98.499	ug/l	99
89) n-Butylbenzene	12.39	91	1431772	96.910	ug/l	100
90) Hexachloroethane	12.59	117	318835	98.541	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	827000	97.503	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	61938	91.036	ug/l	97

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VSTDICC100

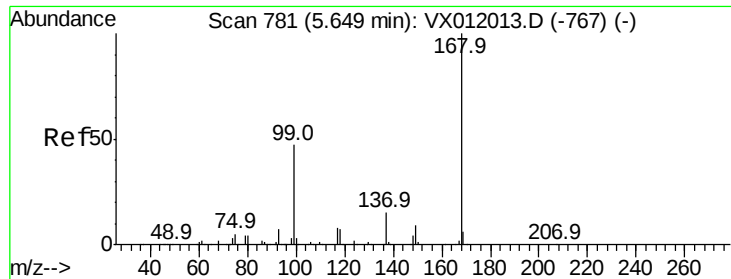
Manual Integrations
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sam
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Quant Time: Sep 03 05:01:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090219S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 04:42:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	721038	100.625	ug/l	99
94) Hexachlorobutadiene	13.78	225	502571	104.022	ug/l	99
95) Naphthalene	13.83	128	1118733	92.549	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	629149	97.421	ug/l	100

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



#1

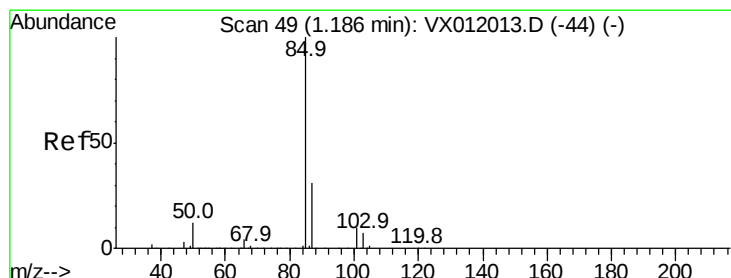
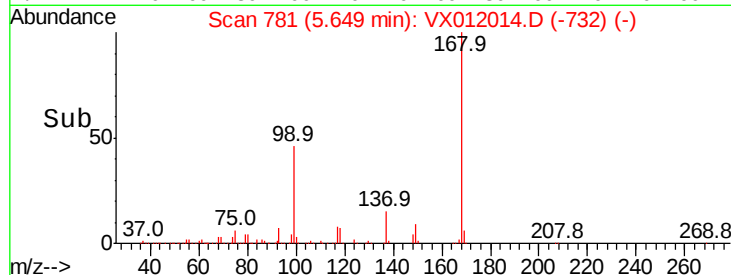
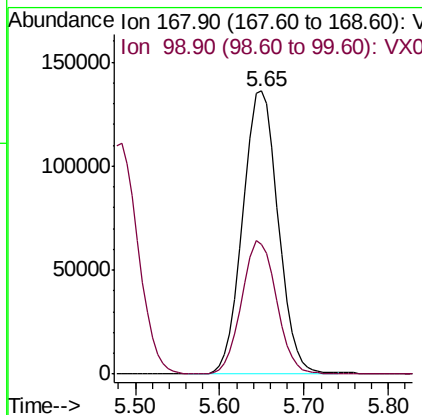
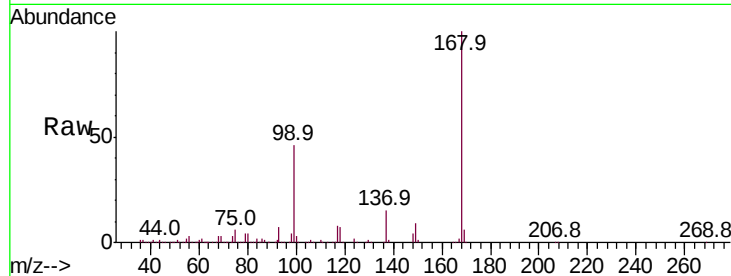
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
168	100		
99	45.7	37.6	56.4

Manual Integrations
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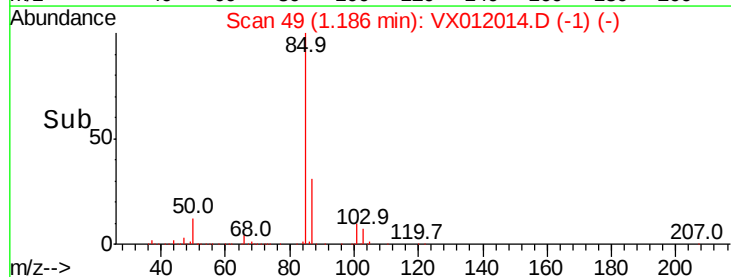
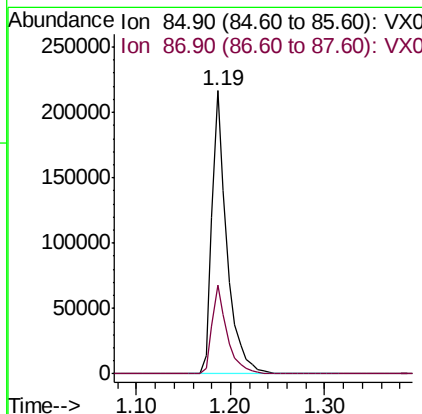
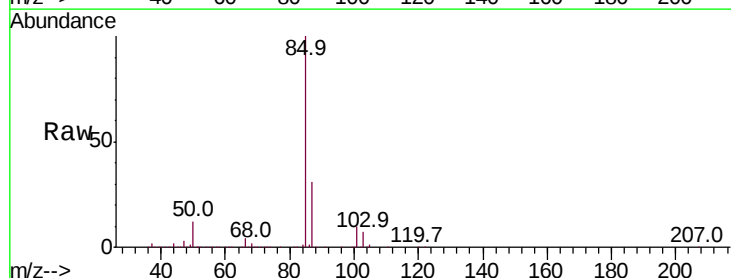
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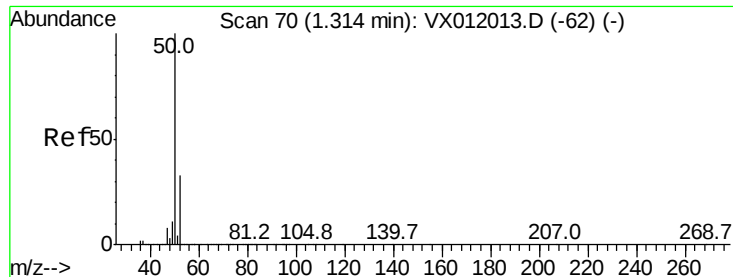


#2

Dichlorodifluoromethane
 Concen: 100.224 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.6	46.8





#3

Chloromethane

Concen: 92.438 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 245743

Ion Ratio Lower Upper

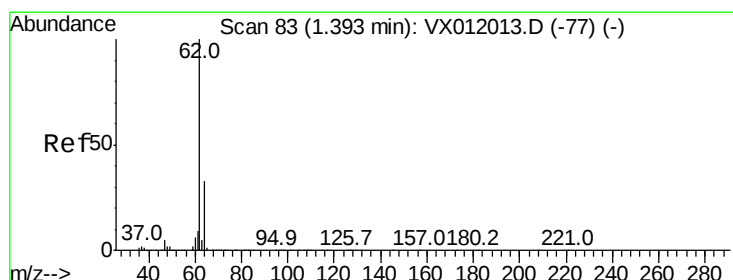
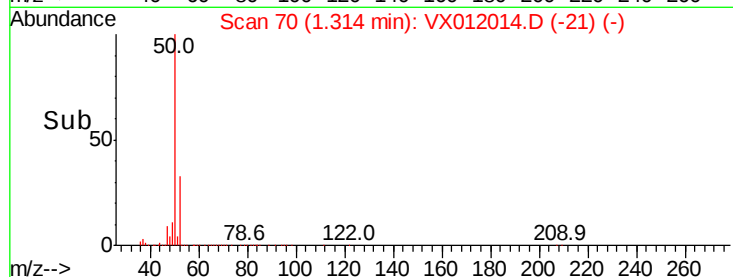
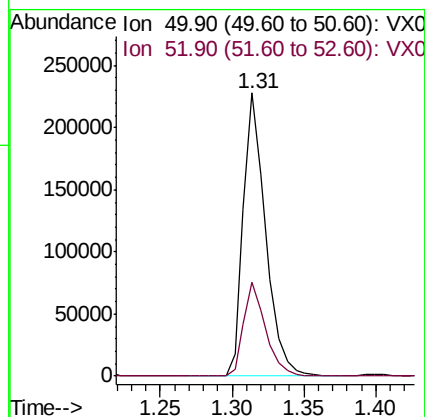
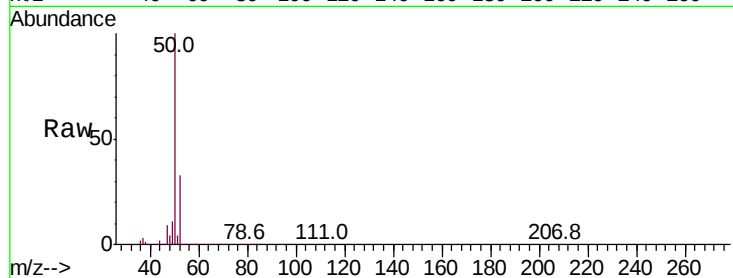
50 100

52 33.0 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 97.800 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012014.D

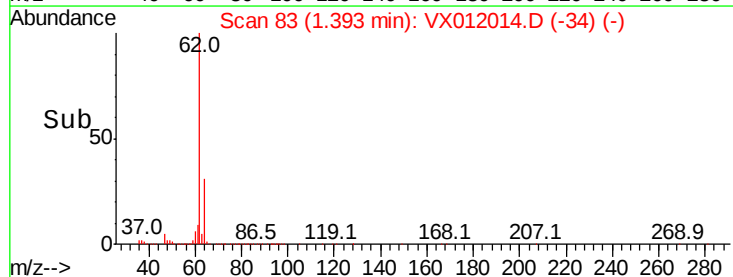
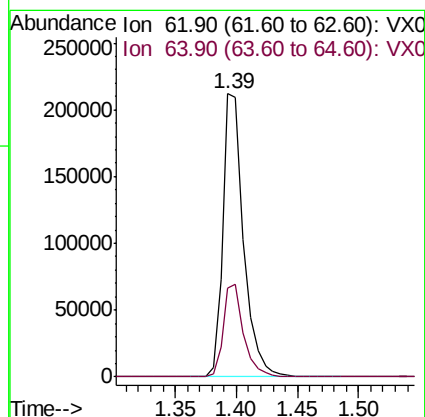
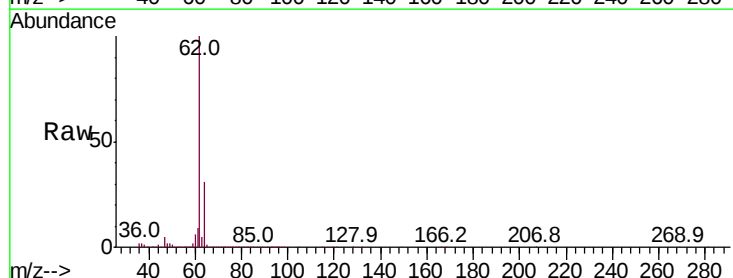
Acq: 02 Sep 2019 14:15

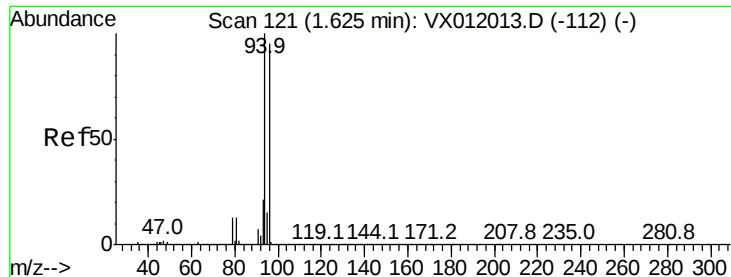
Tgt Ion: 62 Resp: 250910

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.4





#5

Bromomethane

Concen: 89.602 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 159619

Ion Ratio Lower Upper

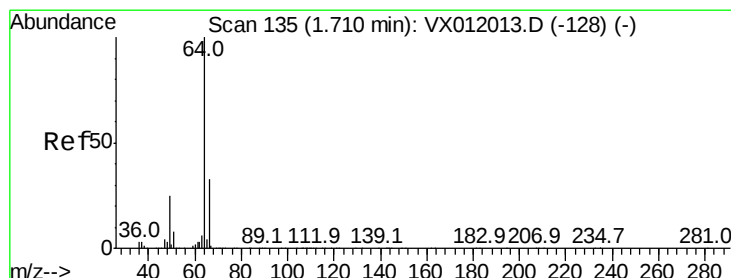
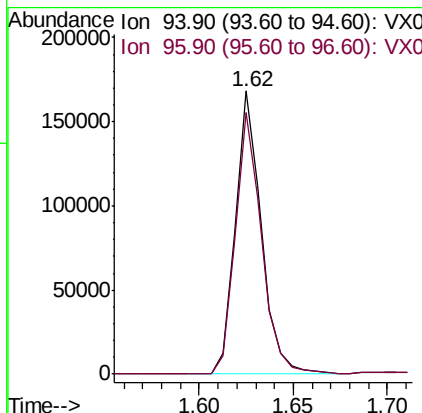
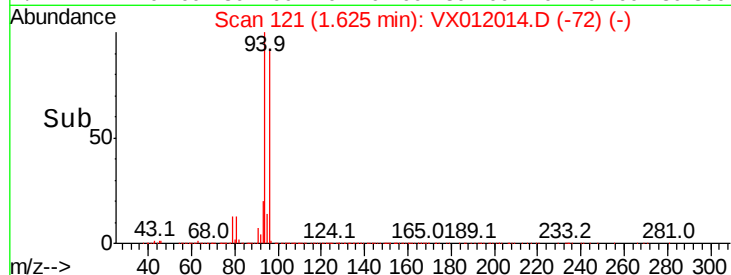
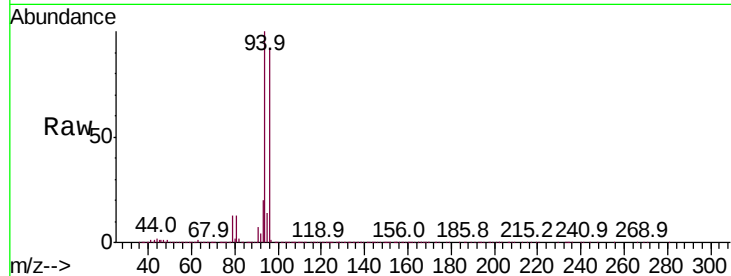
94 100

96 92.3 76.3 114.5

Manual Integrations
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#6

Chloroethane

Concen: 98.626 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012014.D

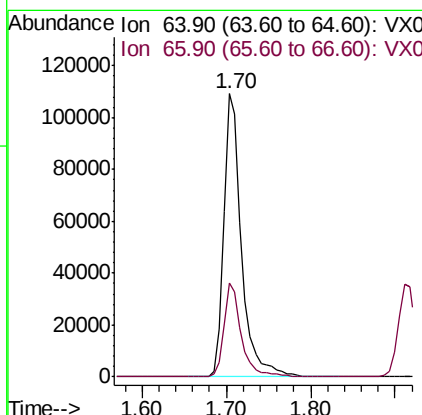
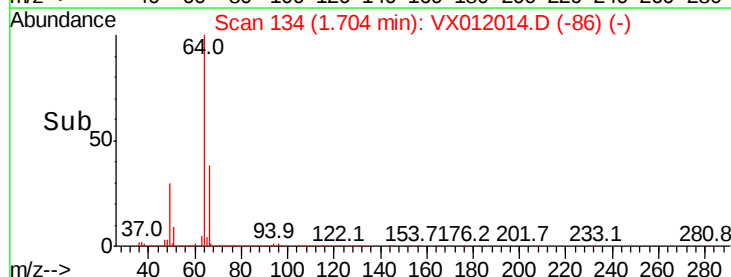
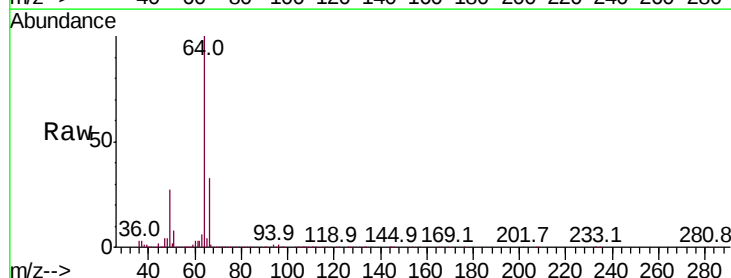
Acq: 02 Sep 2019 14:15

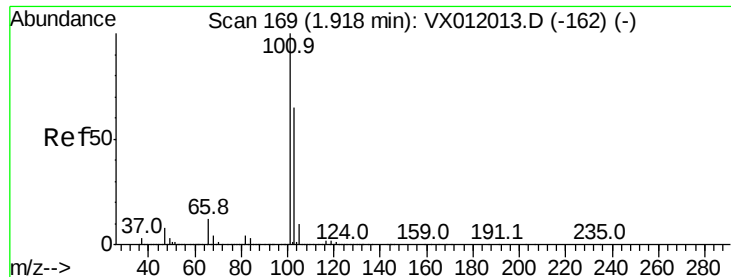
Tgt Ion: 64 Resp: 157255

Ion Ratio Lower Upper

64 100

66 33.1 26.3 39.5





#7

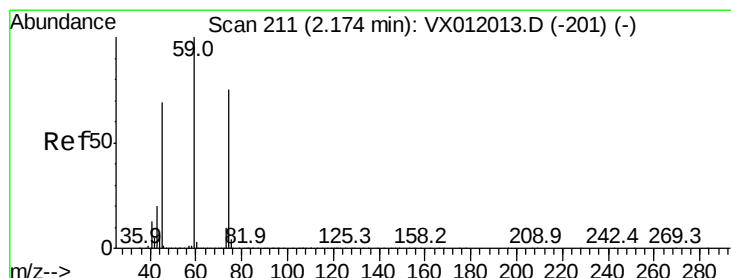
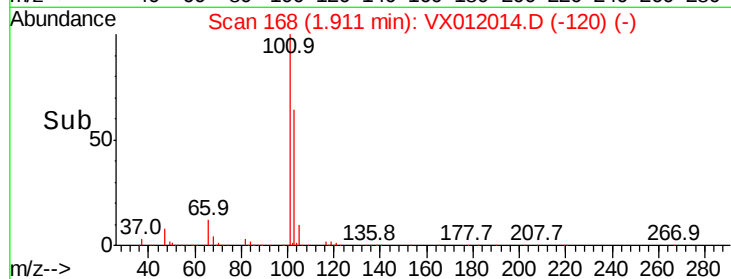
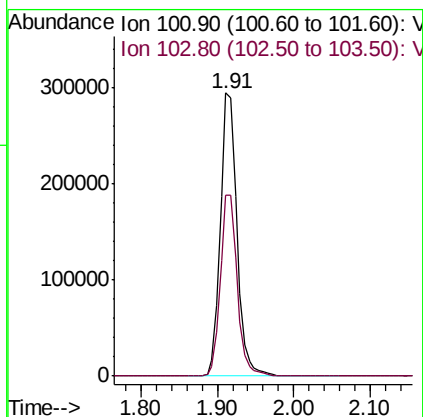
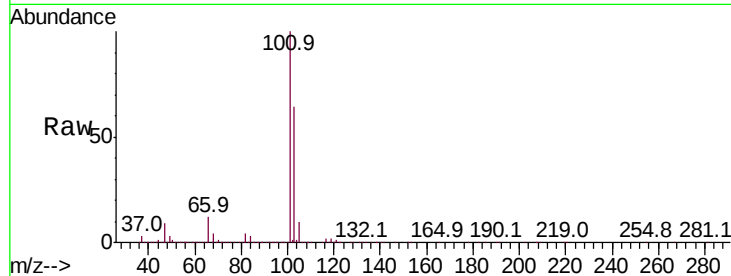
Trichlorofluoromethane
Concen: 98.743 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.6	77.4

Manual Integrations
APPROVED

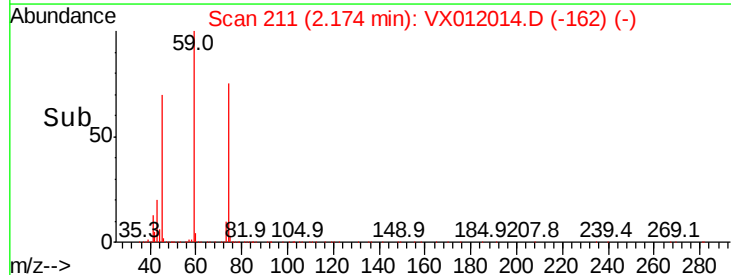
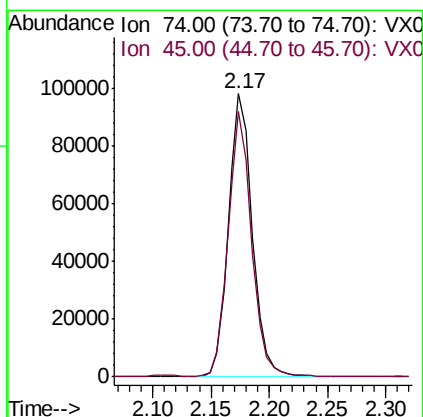
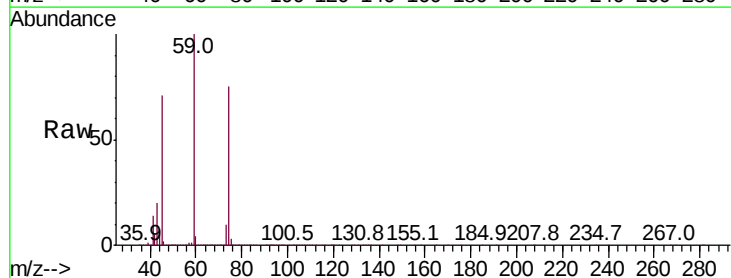
sam
9/3/2019 2:16:15 PM

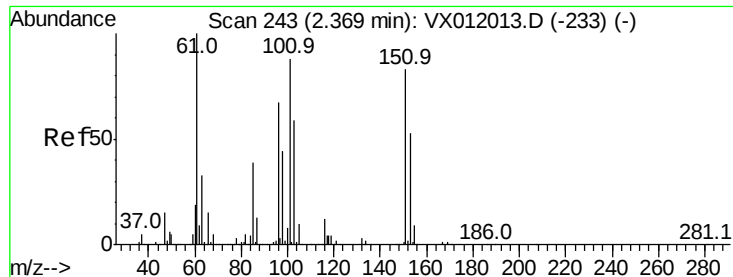


#8

Diethyl Ether
Concen: 91.840 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.9	45.9	137.6





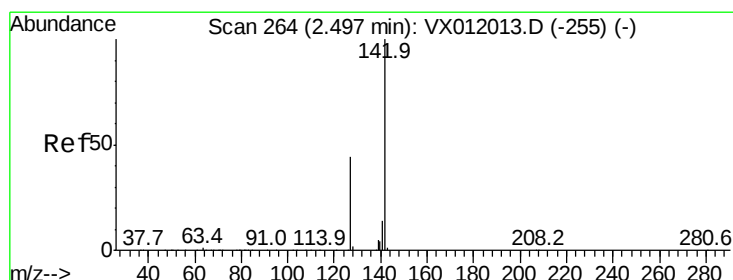
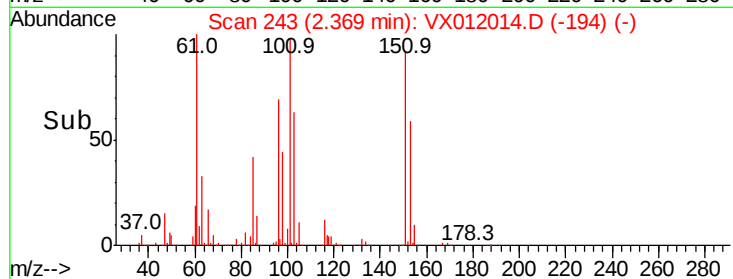
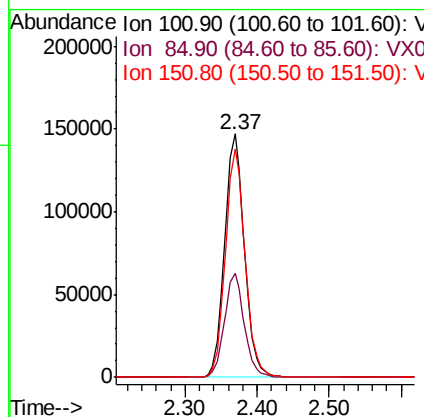
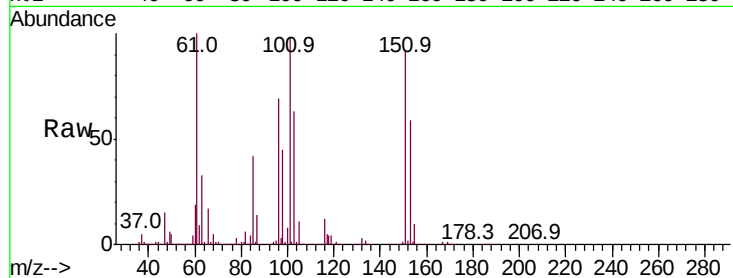
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 96.636 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	281603		
85	42.3		34.5	51.7
151	93.4		75.0	112.4

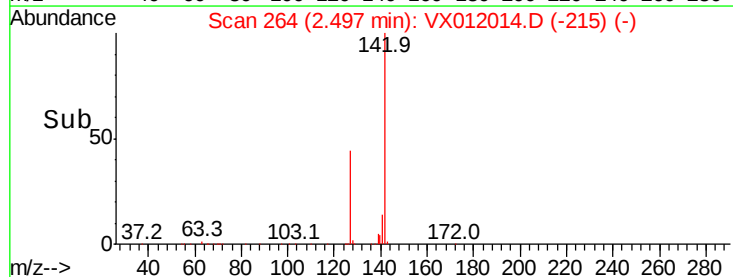
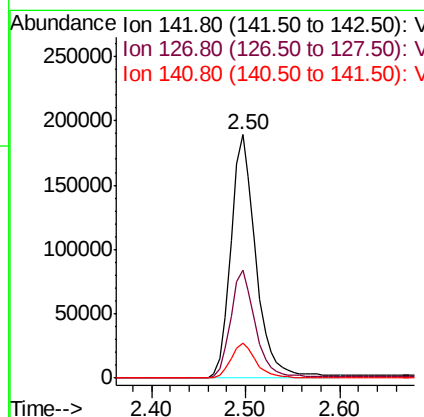
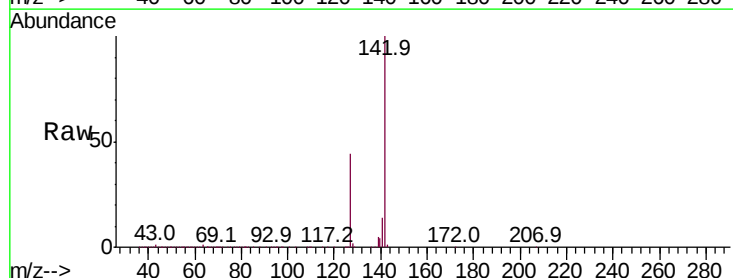
Manual Integrations
 APPROVED

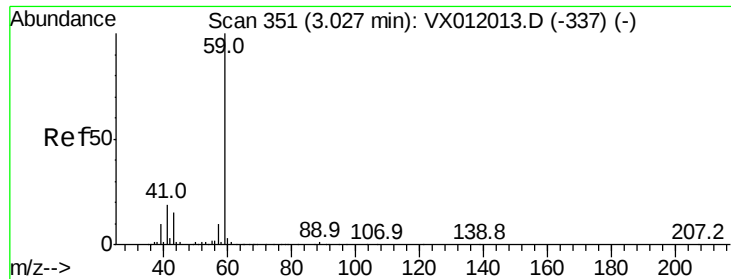
sam
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#10
 Methyl Iodide
 Concen: 129.701 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	352131		
127	44.3		35.4	53.2
141	14.4		11.4	17.2





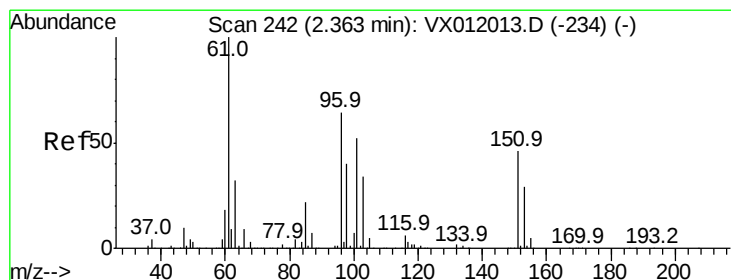
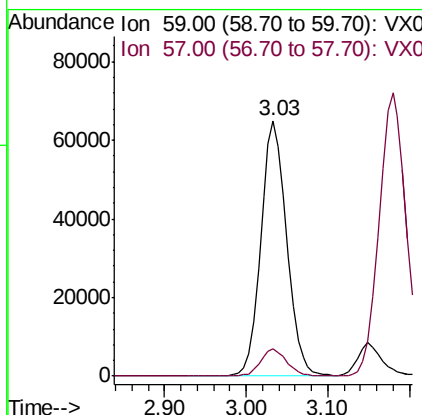
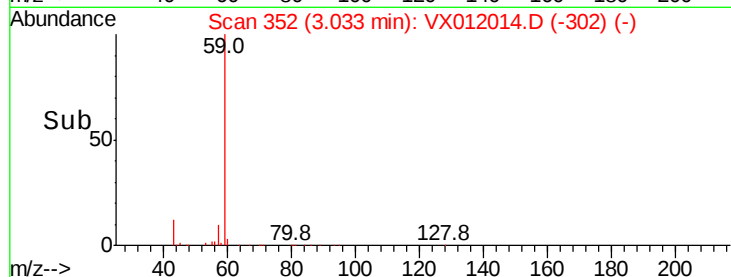
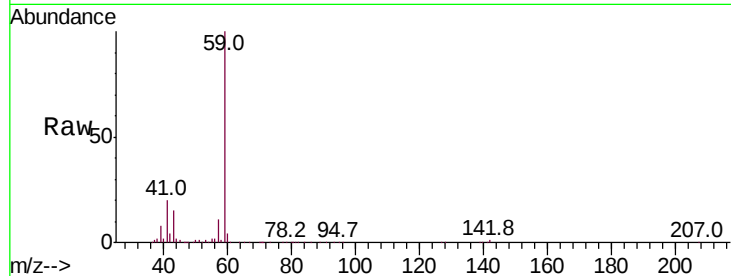
#11
Tert butyl alcohol
Concen: 414.274 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.9	11.9

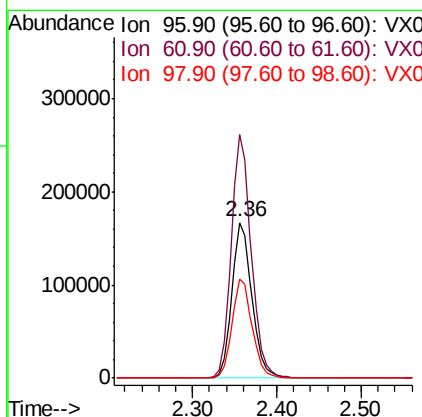
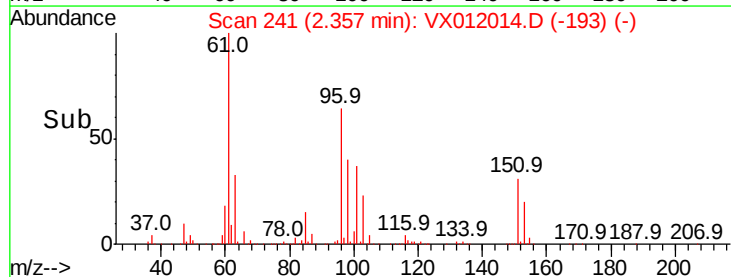
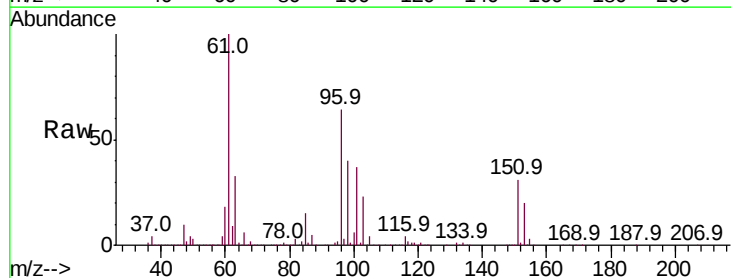
Manual Integrations
APPROVED

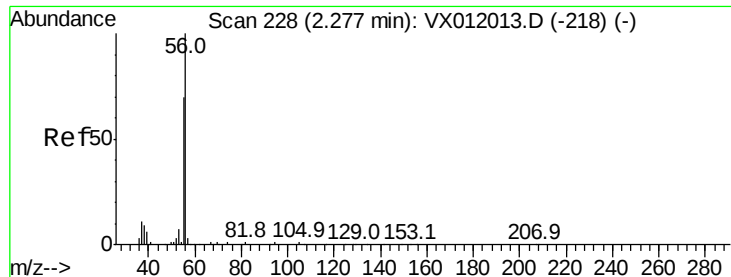
sam
9/3/2019 2:16:15 PM



#12
1,1-Dichloroethene
Concen: 99.360 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.4	124.1	186.1
98	63.3	50.2	75.2





#13

Acrolein

Concen: 146.078 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 24412

Ion Ratio Lower Upper

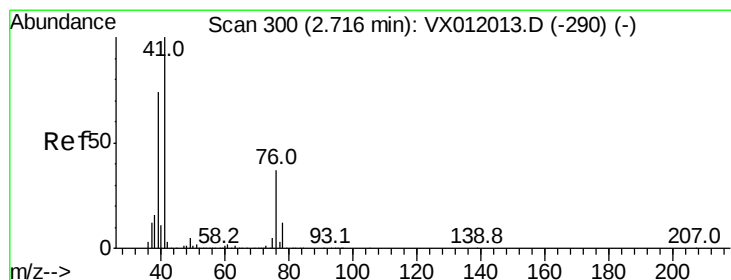
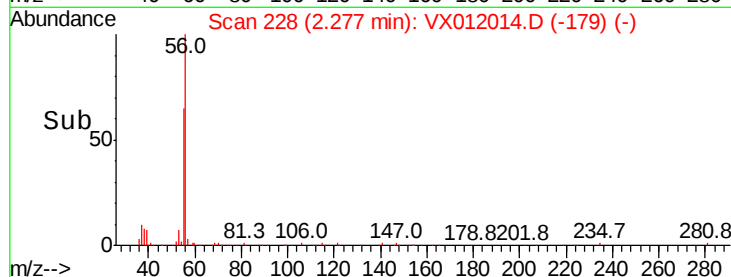
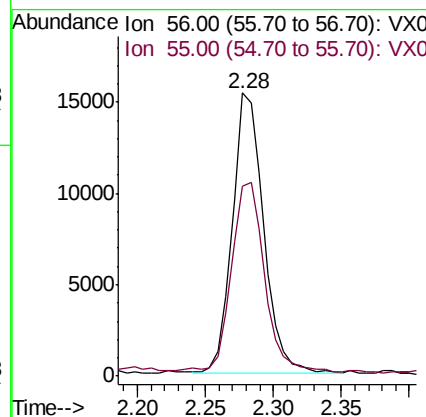
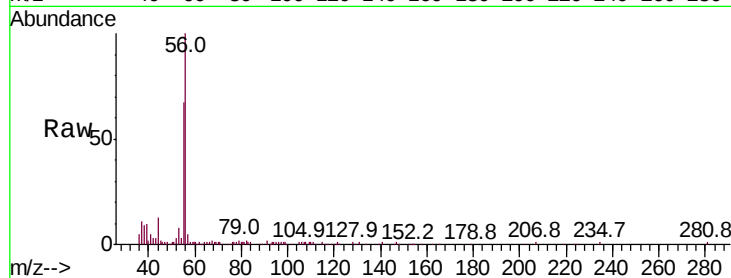
56 100

55 72.3 59.2 88.8

Manual Integrations
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#14

Allyl chloride

Concen: 93.017 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

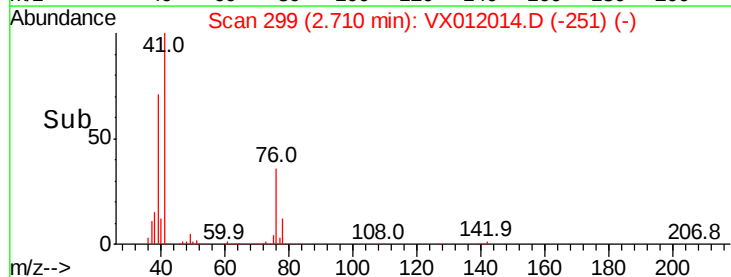
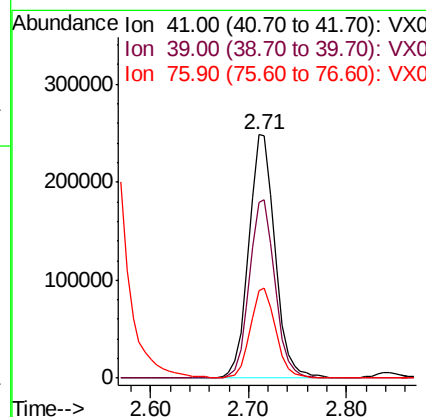
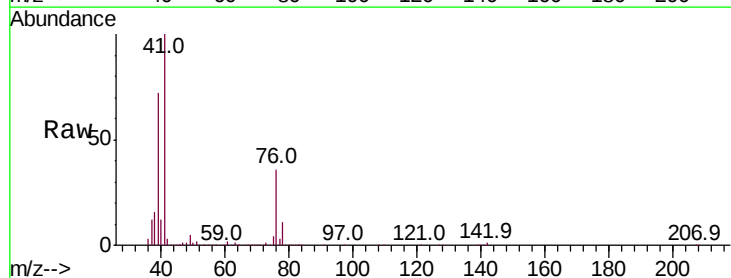
Tgt Ion: 41 Resp: 462246

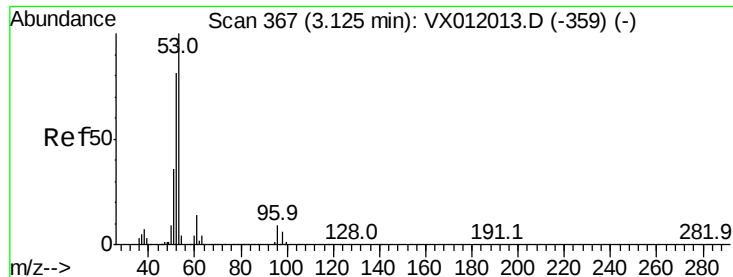
Ion Ratio Lower Upper

41 100

39 71.5 57.9 86.9

76 35.7 28.5 42.7





#15

Acrylonitrile

Concen: 434.138 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

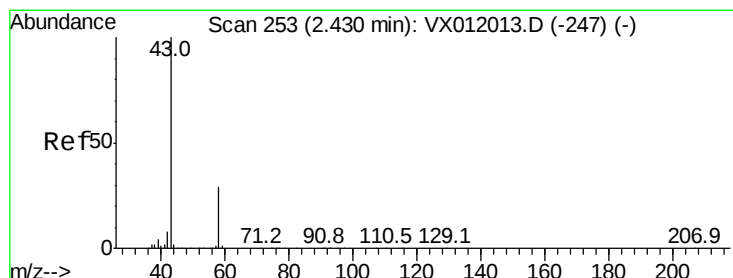
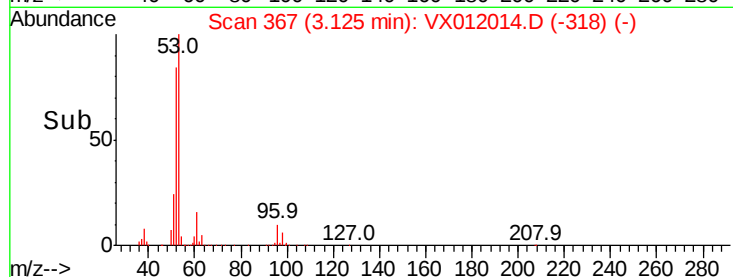
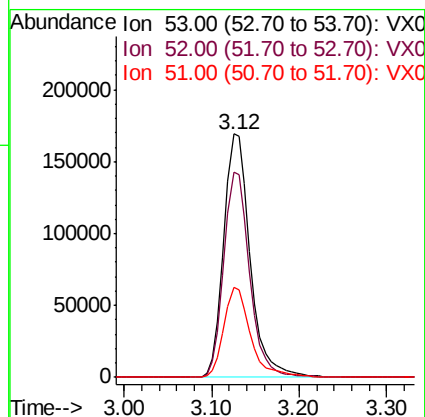
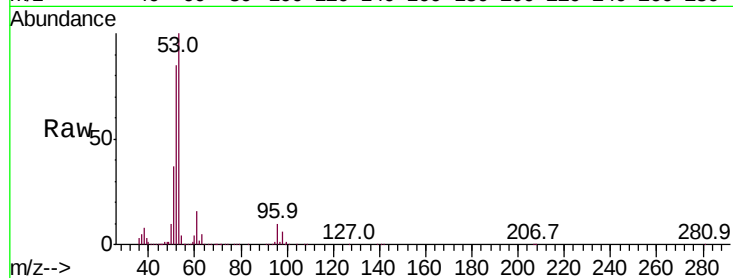
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	355674
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.6	98.4
51	37.3	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 440.782 ug/l

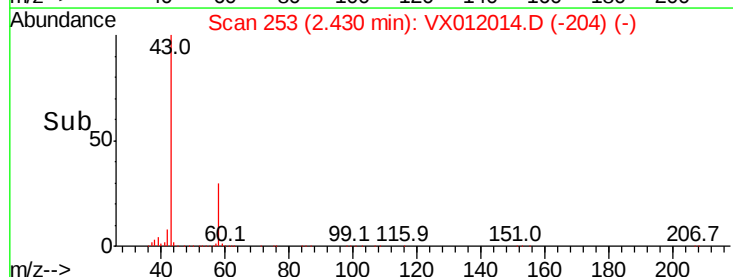
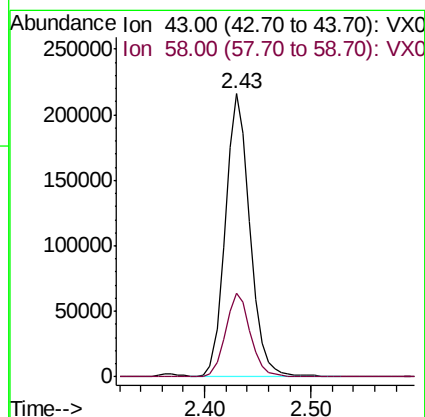
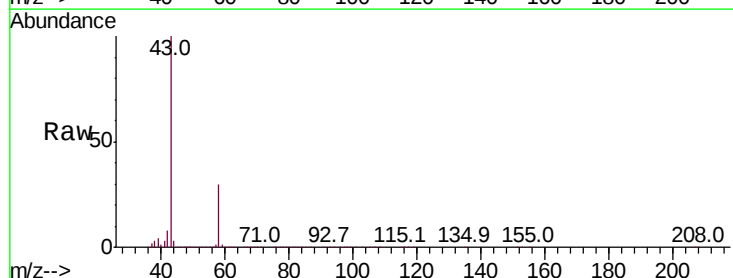
RT: 2.43 min Scan# 253

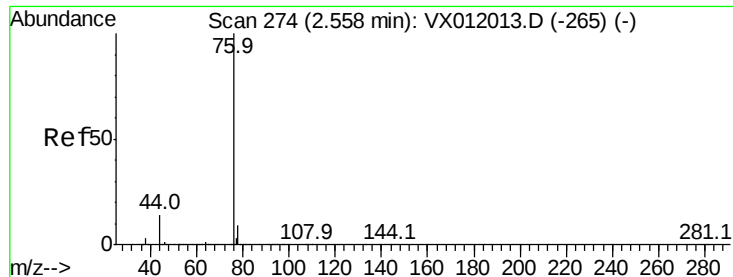
Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Tgt Ion:	43	Resp:	344836
Ion	Ratio	Lower	Upper
43	100		
58	29.6	22.8	34.2





#17

Carbon Disulfide

Concen: 103.707 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 804388

Ion Ratio Lower Upper

76 100

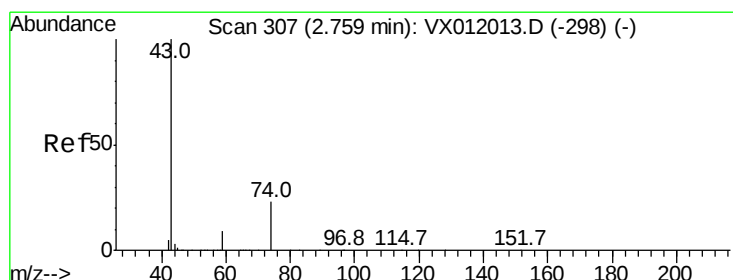
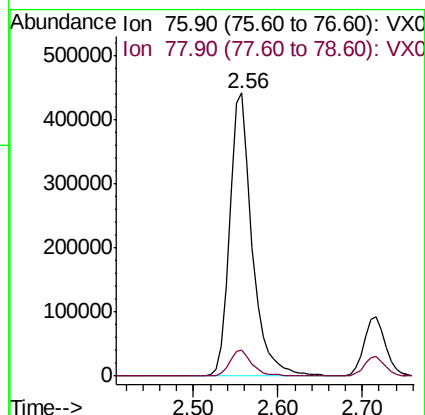
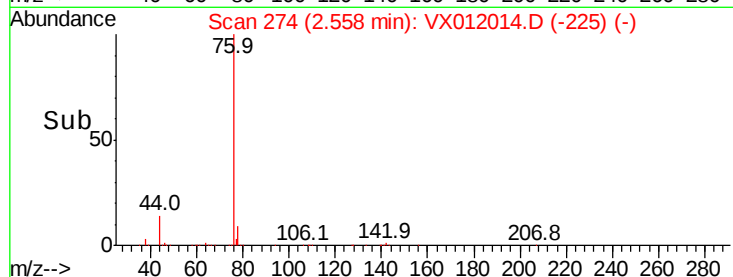
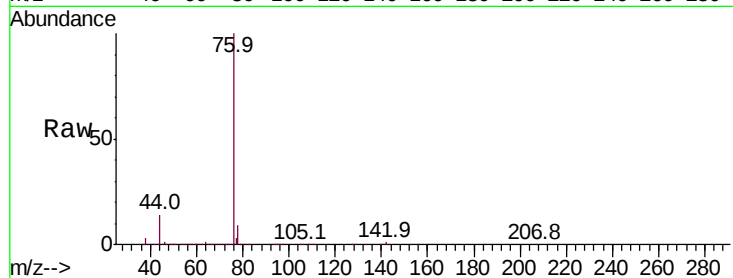
78 9.2 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 84.824 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012014.D

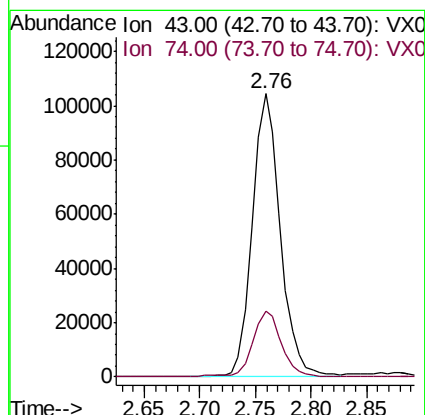
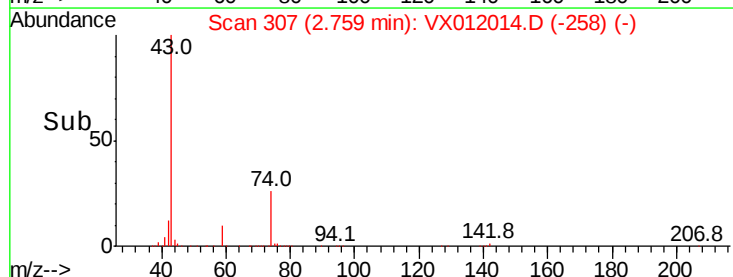
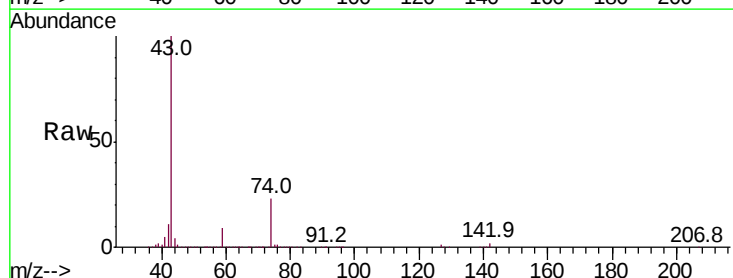
Acq: 02 Sep 2019 14:15

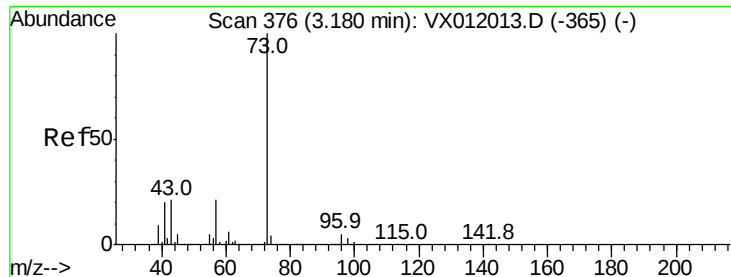
Tgt Ion: 43 Resp: 181315

Ion Ratio Lower Upper

43 100

74 24.4 19.5 29.3





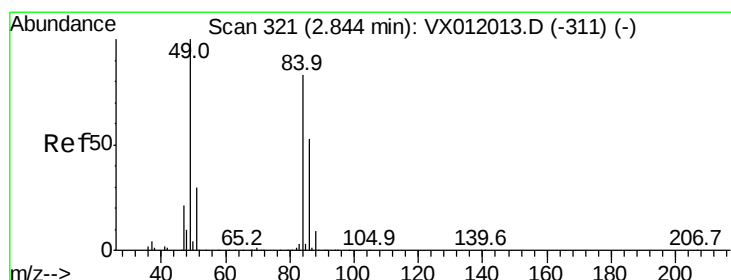
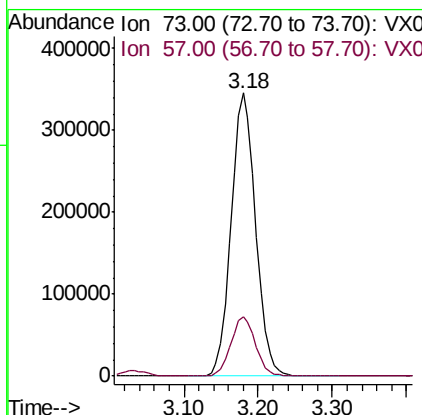
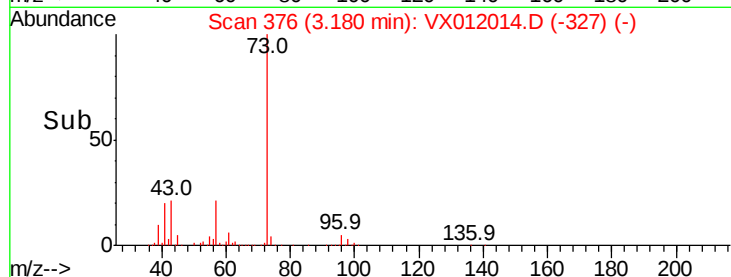
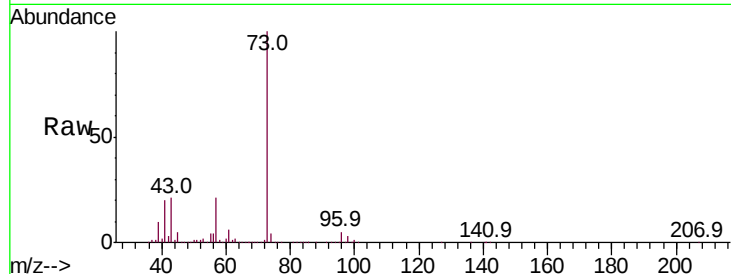
#19
Methvl tert-butvl Ether
Concen: 92.289 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 794198
Ion Ratio Lower Upper
73 100
57 20.8 16.6 25.0

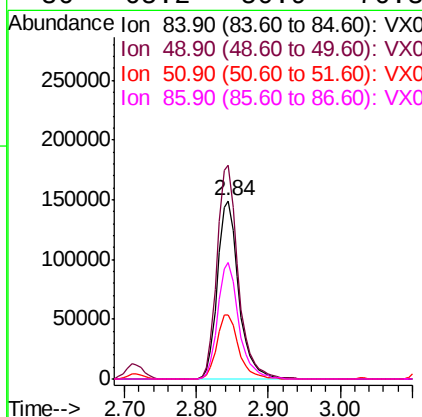
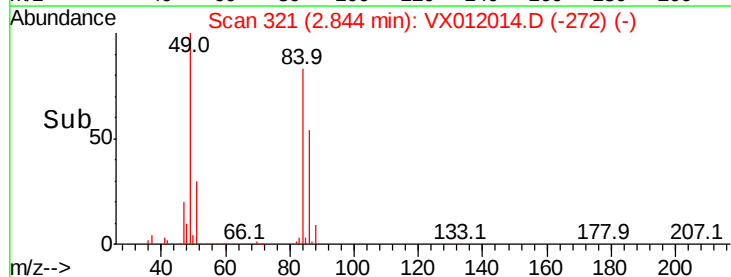
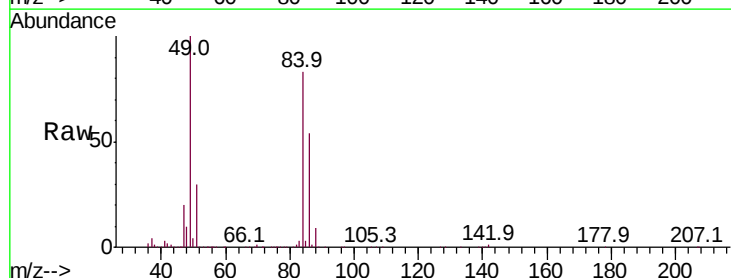
Manual Integrations
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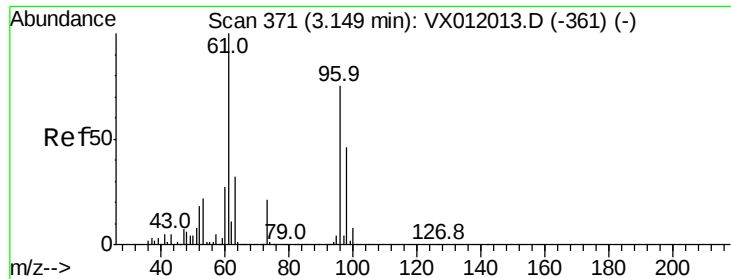
sam
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#20
Methylene Chloride
Concen: 78.945 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion: 84 Resp: 305638
Ion Ratio Lower Upper
84 100
49 119.8 95.8 143.8
51 36.1 28.6 43.0
86 65.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 100.093 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 317287

Ion Ratio Lower Upper

96 100

61 134.4 107.0 160.6

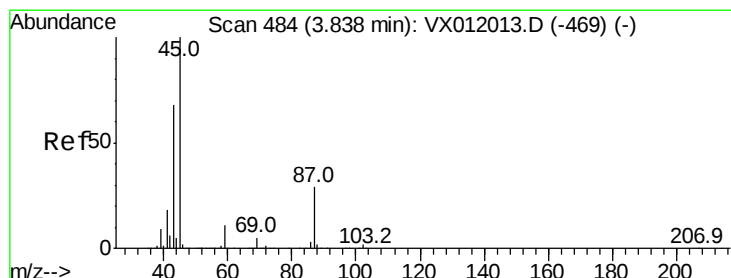
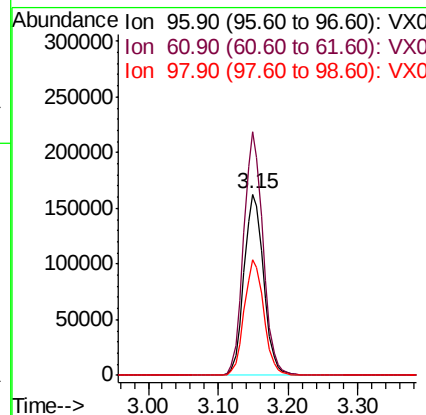
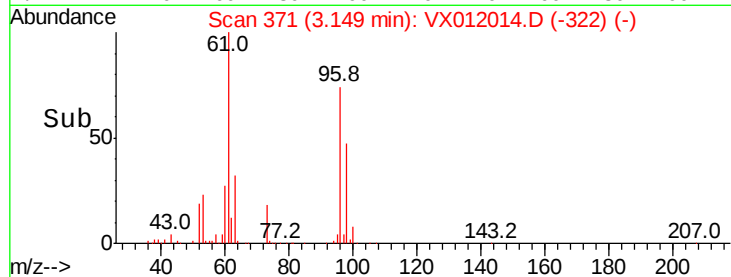
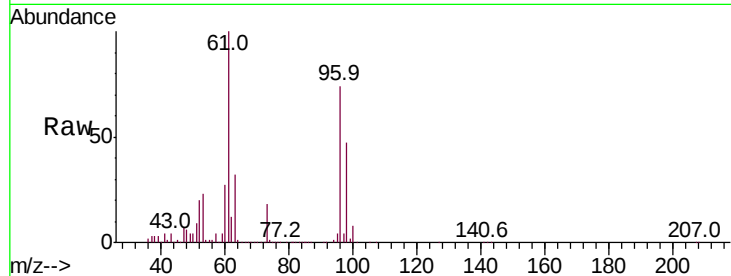
98 63.6 49.8 74.6

Manual Integrations

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sam

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#22

Diisopropyl ether

Concen: 90.264 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Tgt Ion: 45 Resp: 912788

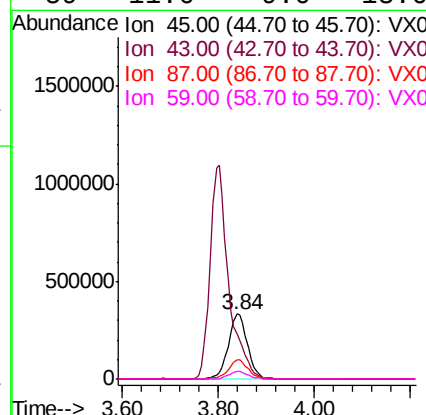
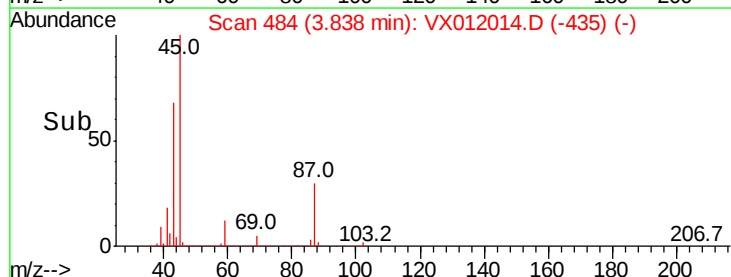
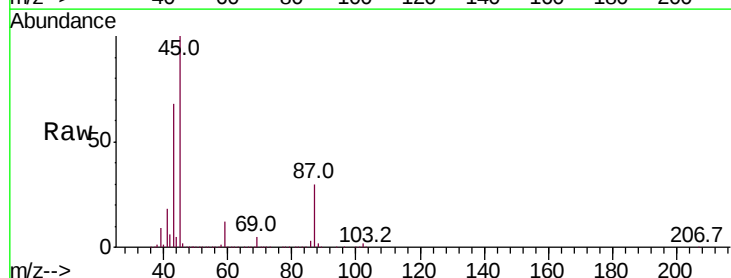
Ion Ratio Lower Upper

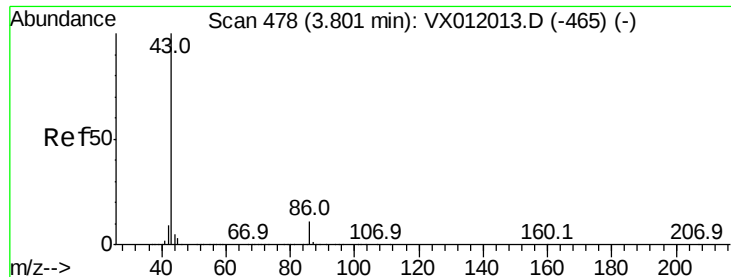
45 100

43 68.2 54.2 81.4

87 29.6 23.4 35.0

59 11.6 9.0 13.6





#23

Vinyl Acetate

Concen: 454.767 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2952305

Ion Ratio Lower Upper

43 100

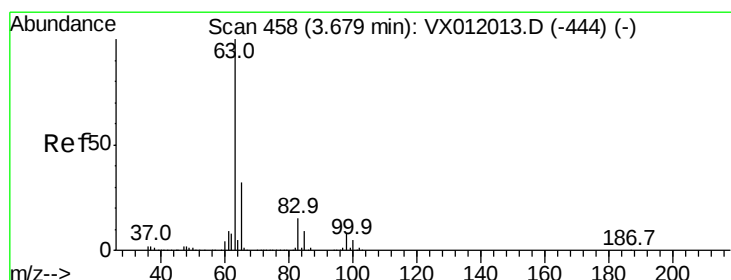
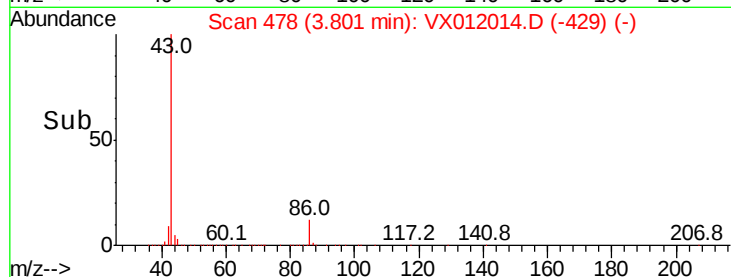
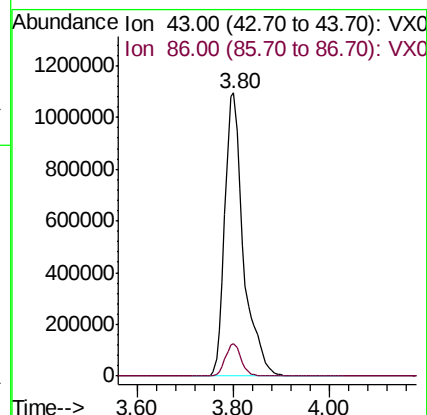
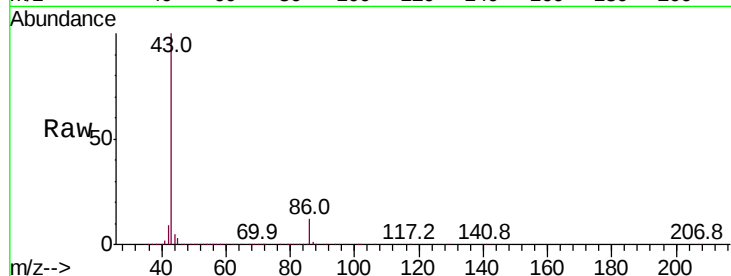
86 11.6 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 93.935 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

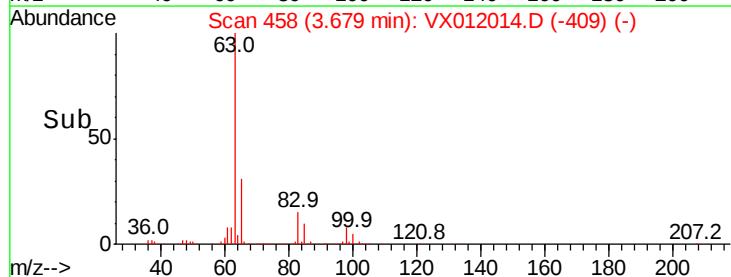
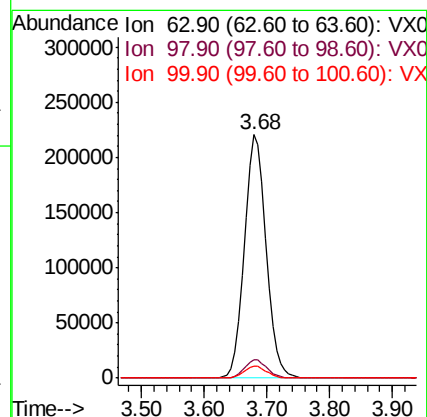
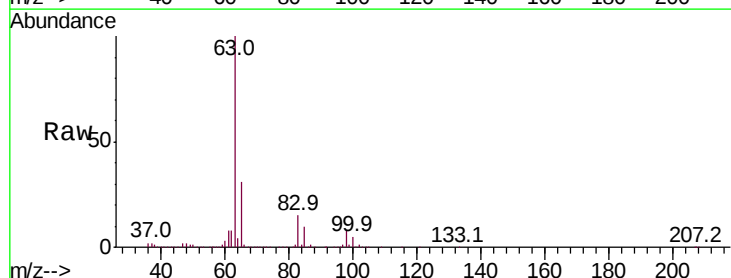
Tgt Ion: 63 Resp: 527684

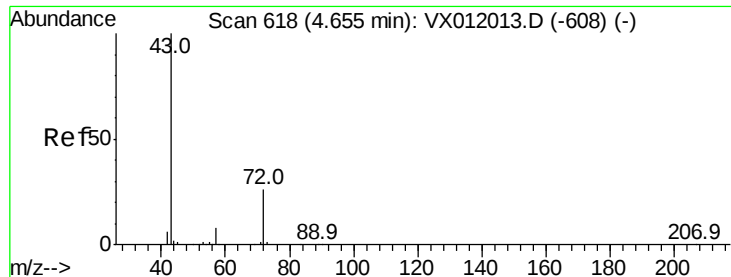
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 444.663 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 500018

Ion Ratio Lower Upper

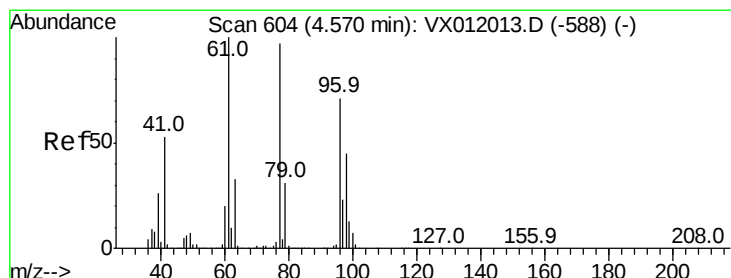
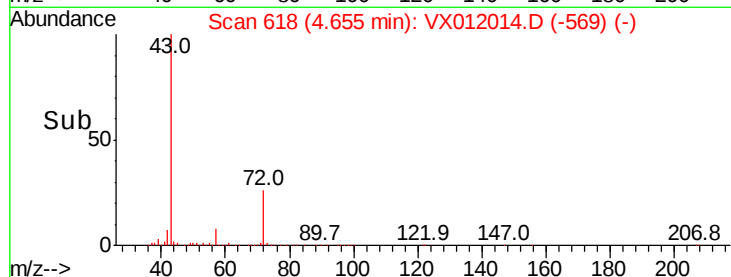
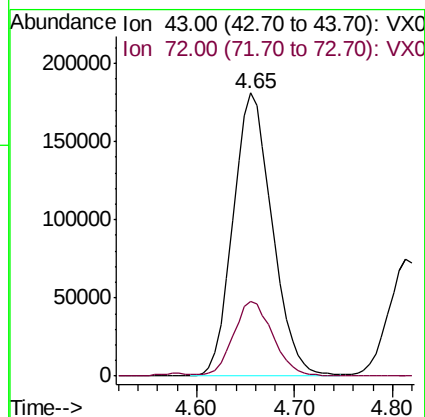
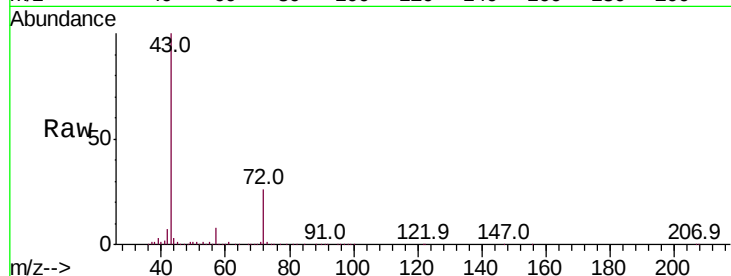
43 100

72 26.1 21.3 31.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 99.095 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012014.D

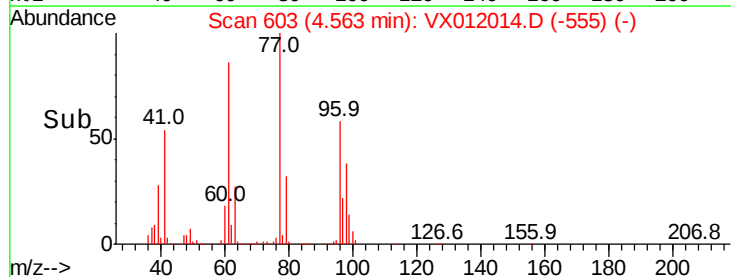
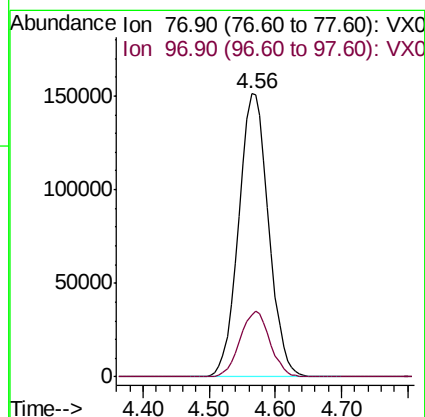
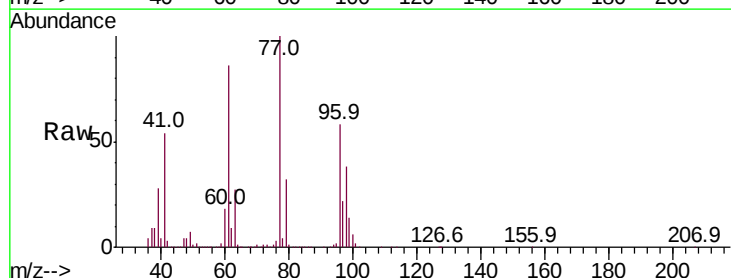
Acq: 02 Sep 2019 14:15

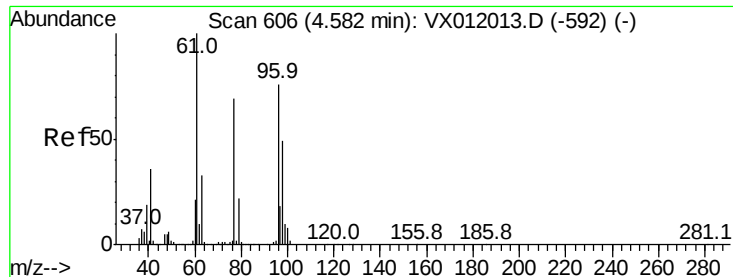
Tgt Ion: 77 Resp: 474324

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5





#27

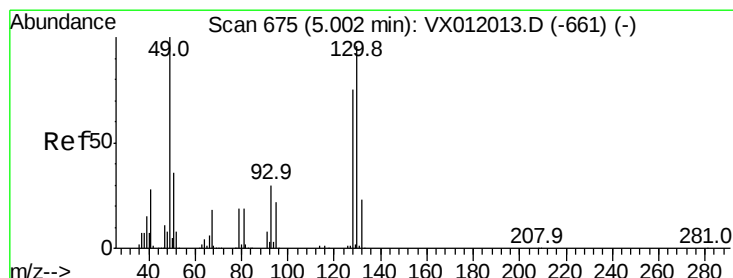
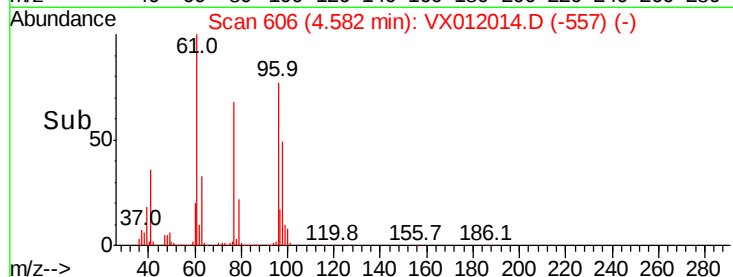
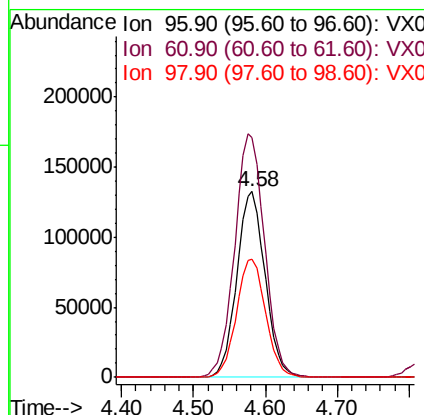
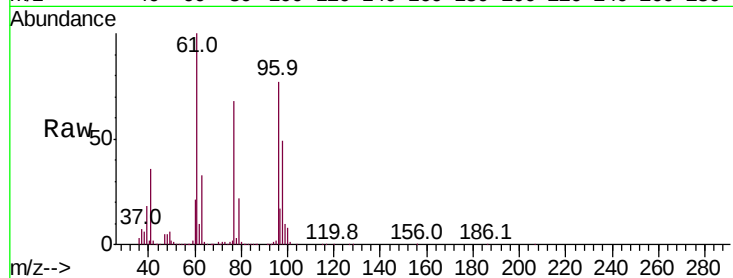
cis-1,2-Dichloroethene
Concen: 97.680 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	362732		
61	138.9	0.0	277.0	
98	65.5	0.0	128.4	

Manual Integrations
APPROVED

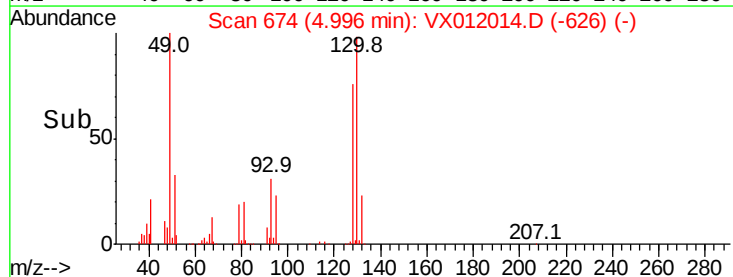
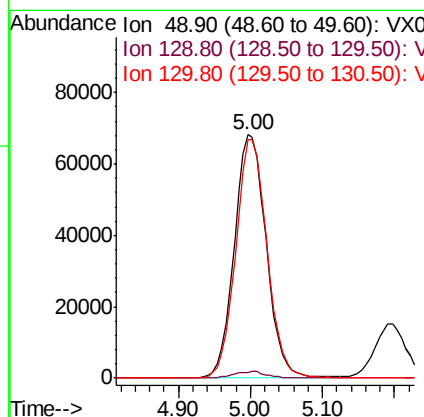
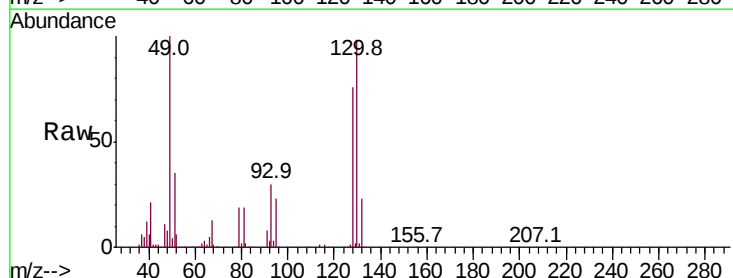
sam
9/3/2019 2:16:15 PM

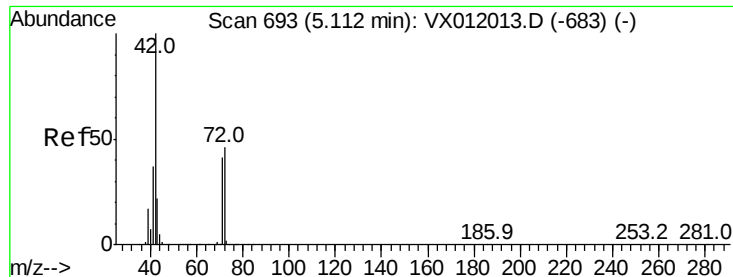


#28

Bromochloromethane
Concen: 84.959 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	210380		
129	2.6	0.0	5.6	
130	96.0	76.7	115.1	





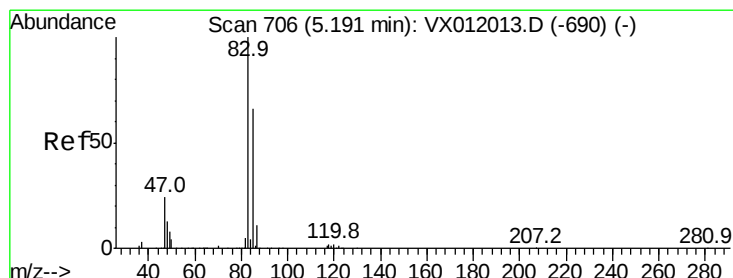
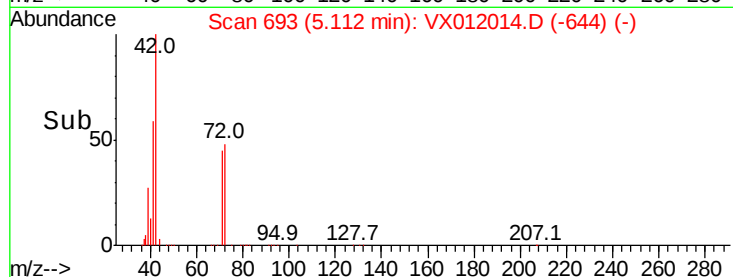
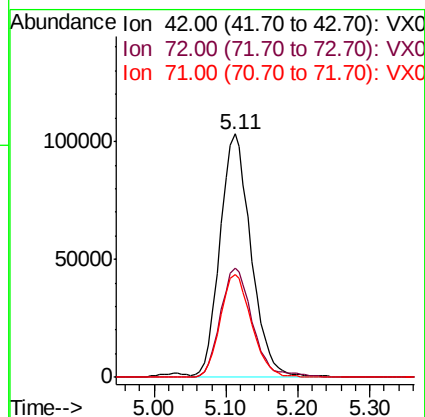
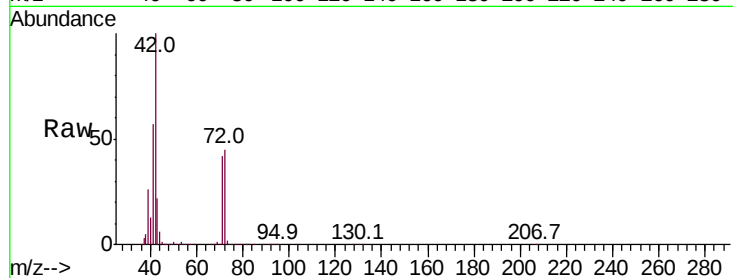
#29
Tetrahydrofuran
Concen: 438.694 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	42	Resp:	307761
Ion Ratio	Lower	Upper	
42	100		
72	46.9	37.0	55.4
71	42.6	33.8	50.8

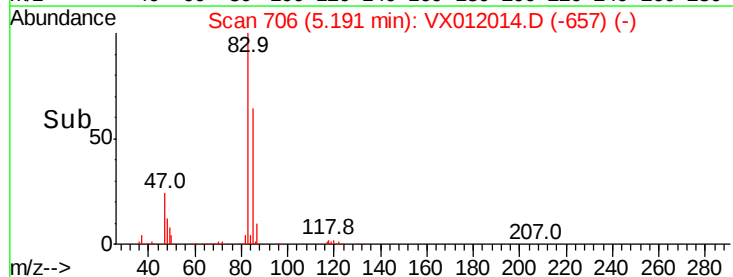
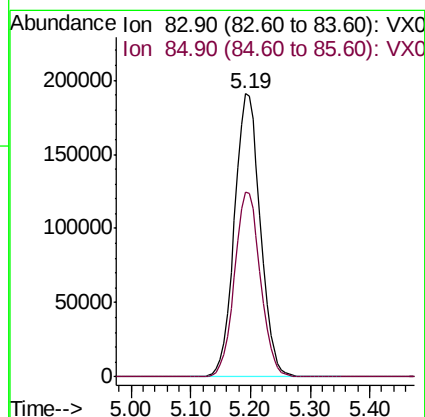
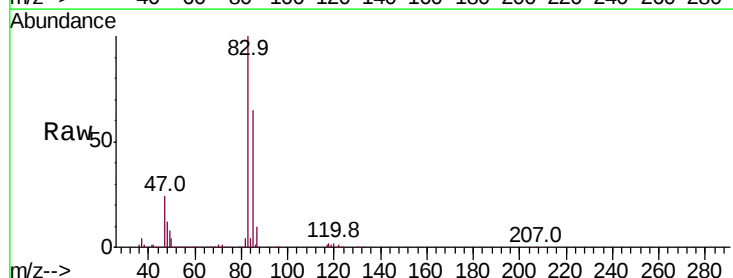
Manual Integrations
APPROVED

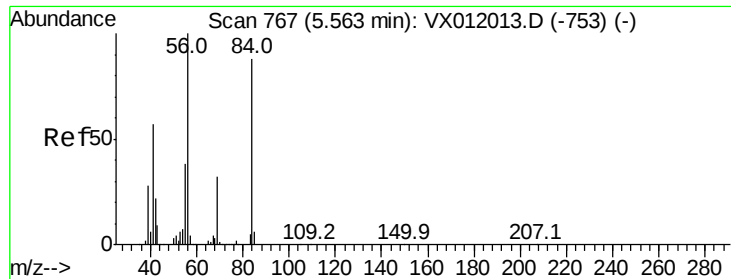
sam
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#30
Chloroform
Concen: 95.441 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion:	83	Resp:	575384
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.6	78.8





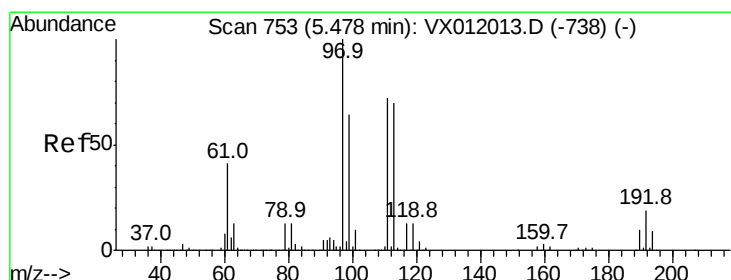
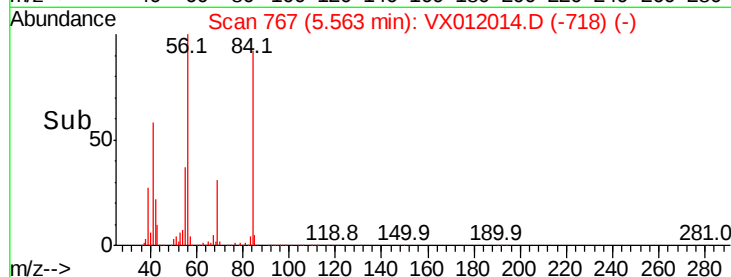
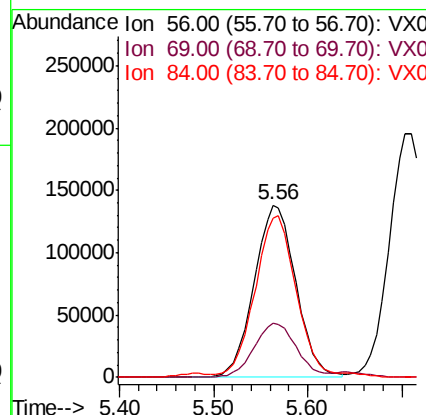
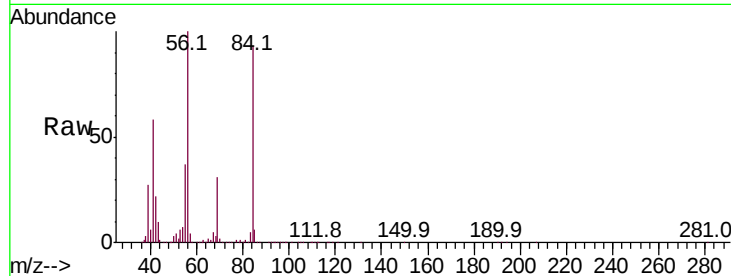
#31
Cyclohexane
Concen: 92.925 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.7	38.5
84	90.4	70.3	105.5

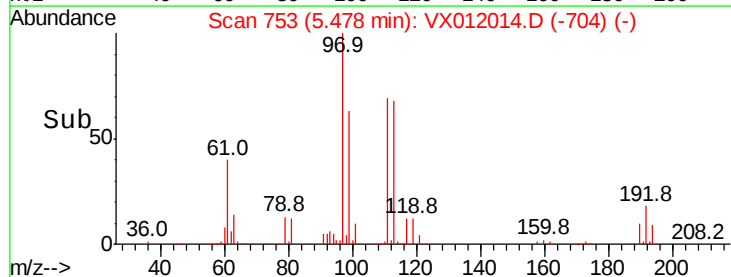
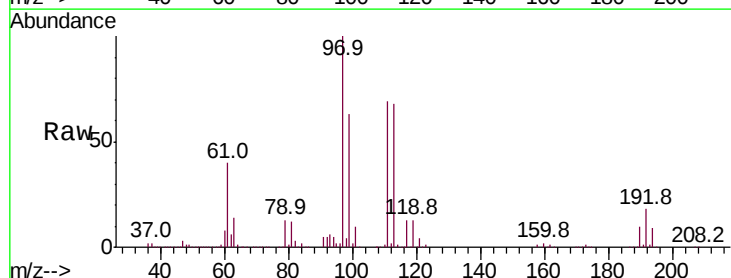
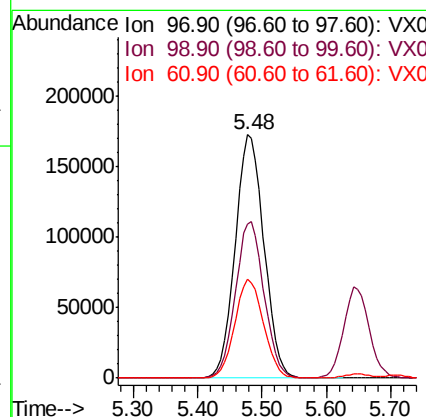
Manual Integrations
APPROVED

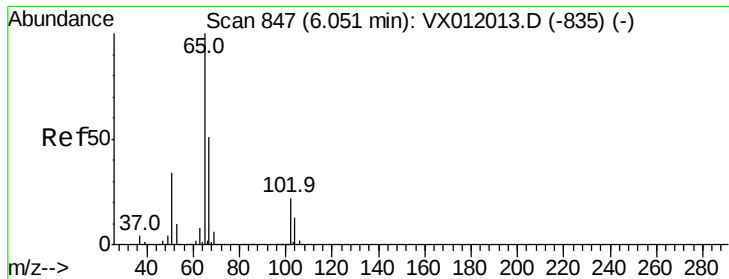
sam
9/3/2019 2:16:15 PM



#32
1,1,1-Trichloroethane
Concen: 99.299 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.1	78.1
61	40.5	32.8	49.2





#33

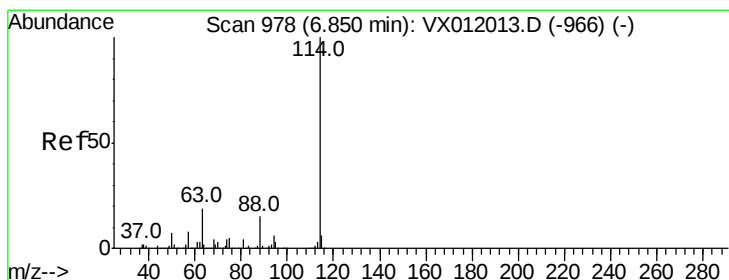
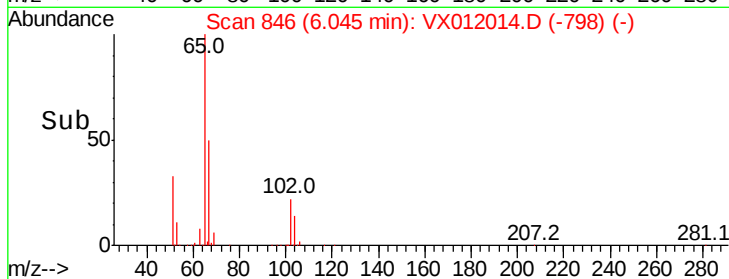
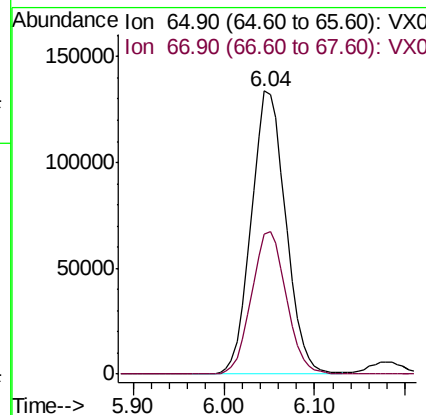
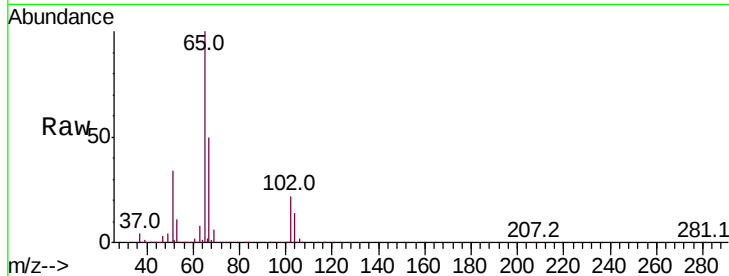
1,2-Dichloroethane-d4
Concen: 95.656 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.7	0.0	102.0	

Manual Integrations
APPROVED

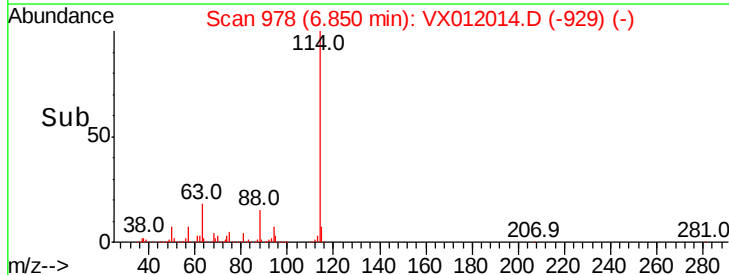
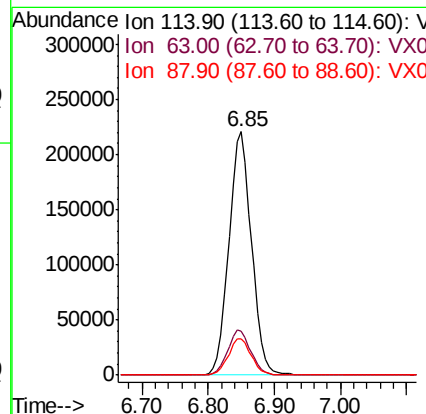
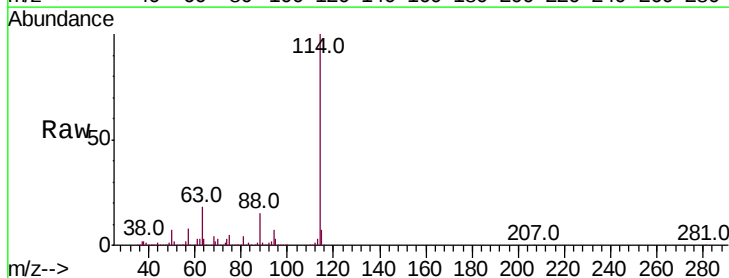
sam
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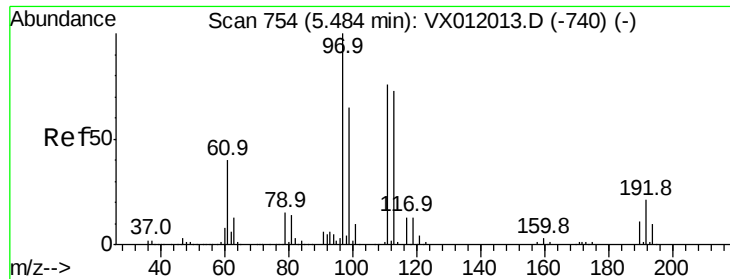


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.0	0.0	37.4	
88	15.0	0.0	29.6	





#35

Dibromofluoromethane

Concen: 102.451 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

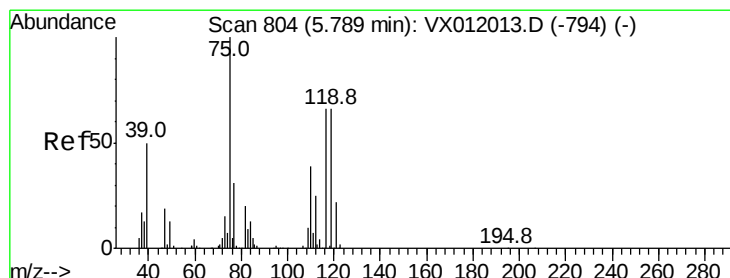
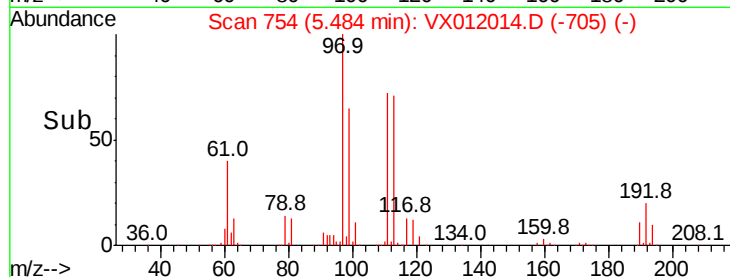
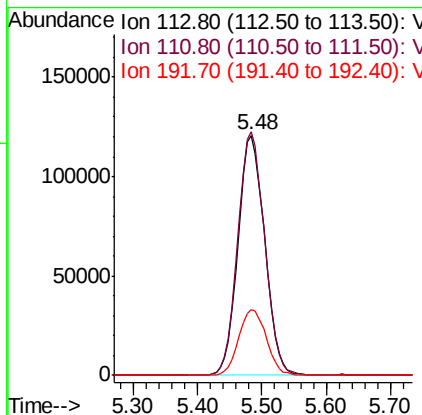
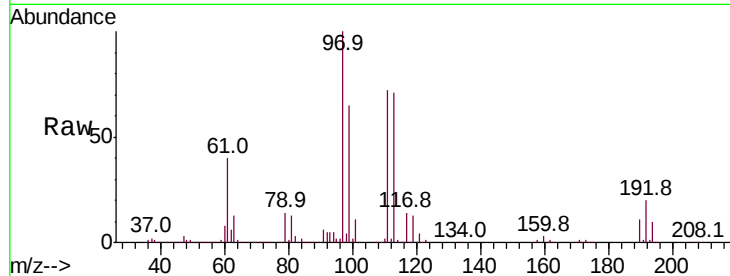
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	345606
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.7	122.5
192	28.3	22.5	33.7

Manual Integrations
APPROVED

sam
9/3/2019 2:16:15 PM



#36

1,1-Dichloropropene

Concen: 100.314 ug/l

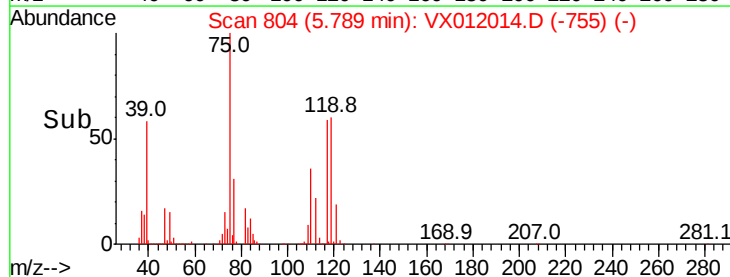
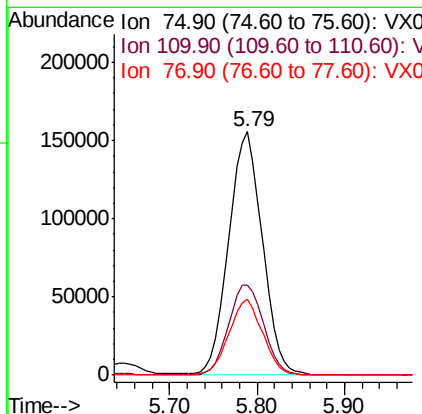
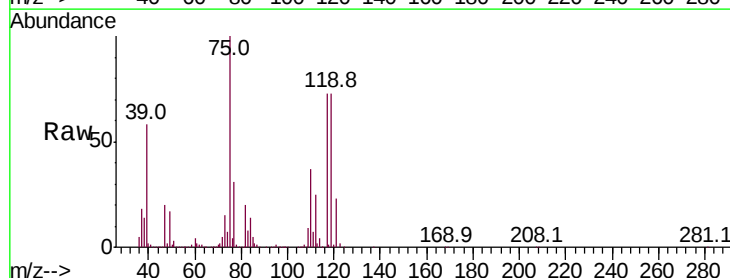
RT: 5.79 min Scan# 804

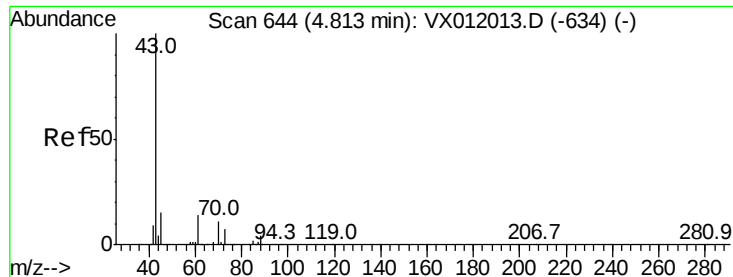
Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Tgt Ion:	75	Resp:	414834
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.5	58.5
77	30.9	24.6	37.0





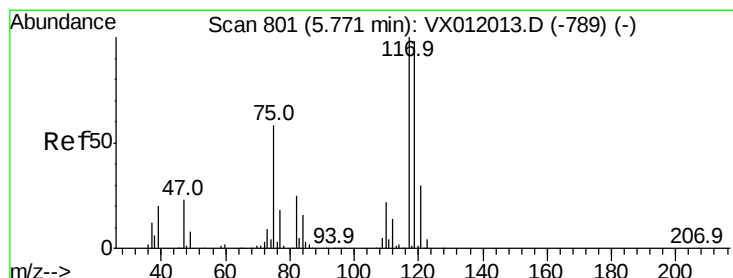
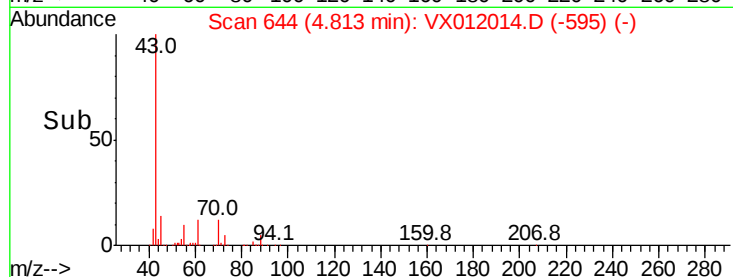
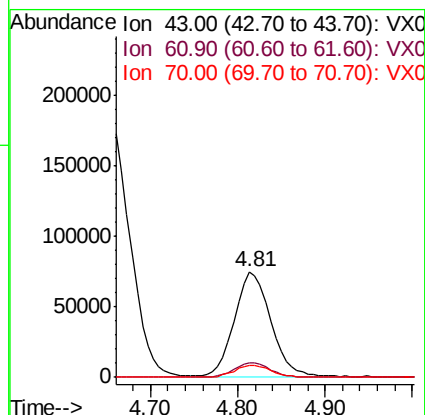
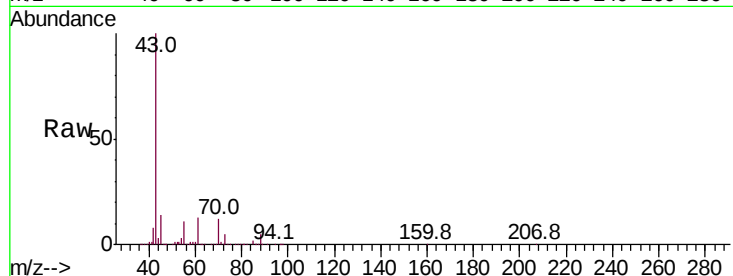
#37
Ethyl Acetate
Concen: 90.399 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	215378
Ion Ratio	100	Lower	Upper
61	13.5	10.9	16.3
70	11.8	9.4	14.0

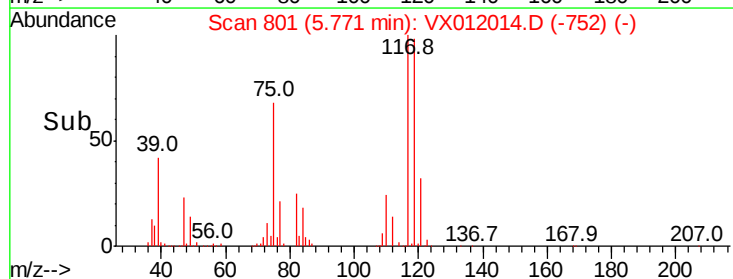
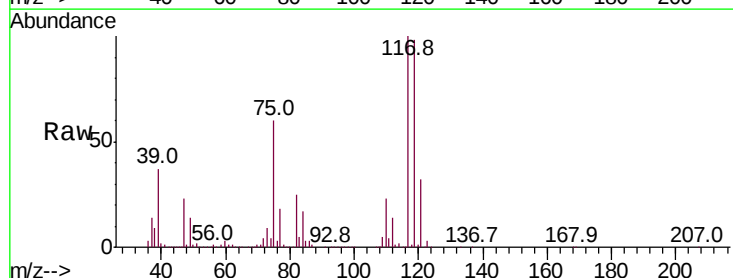
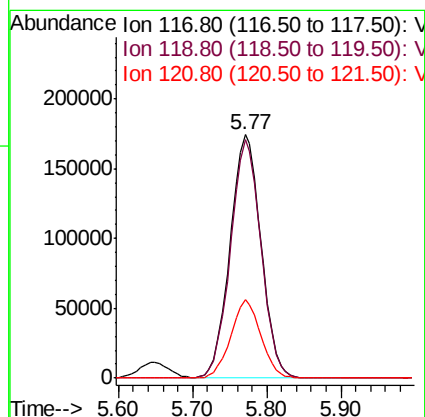
Manual Integrations
APPROVED

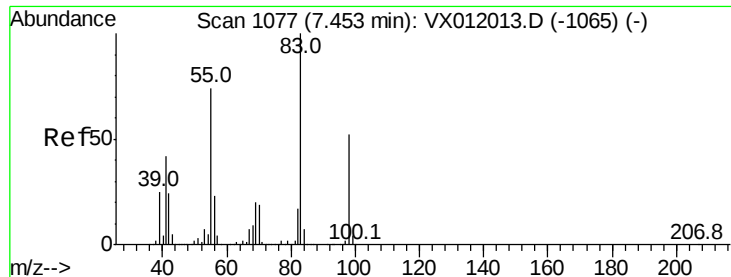
sam
9/3/2019 2:16:15 PM



#38
Carbon Tetrachloride
Concen: 104.659 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	117	Resp	505660
Ion Ratio	100	Lower	Upper
119	98.2	78.3	117.5
121	32.0	24.2	36.2





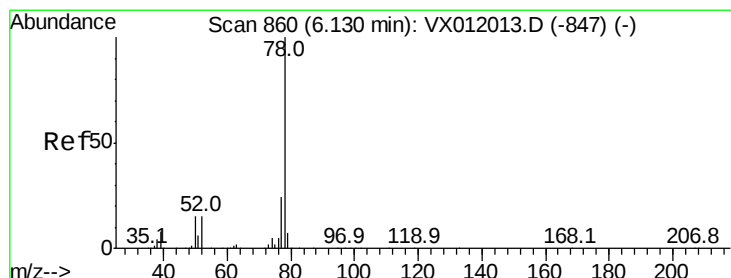
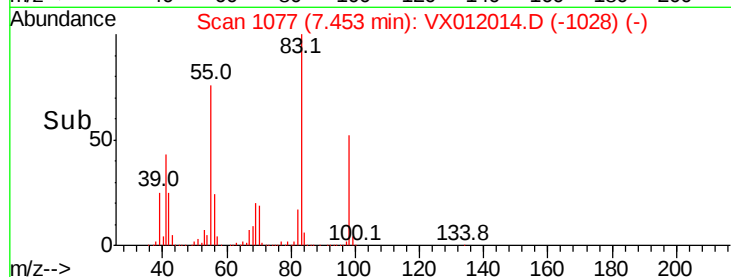
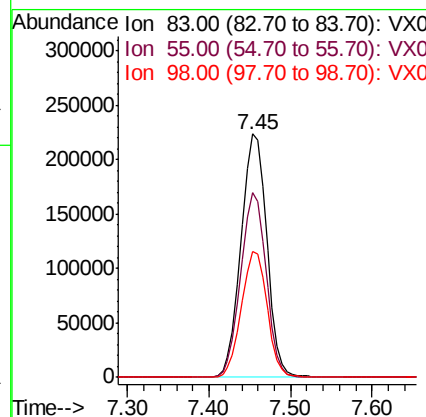
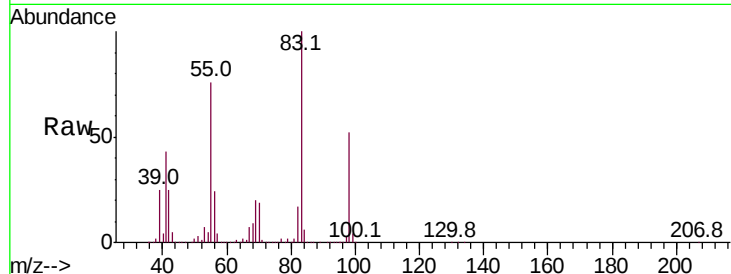
#39
Methvlcvclohexane
Concen: 98.911 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	490060		
55	76.1	59.6	89.4	
98	51.7	41.4	62.0	

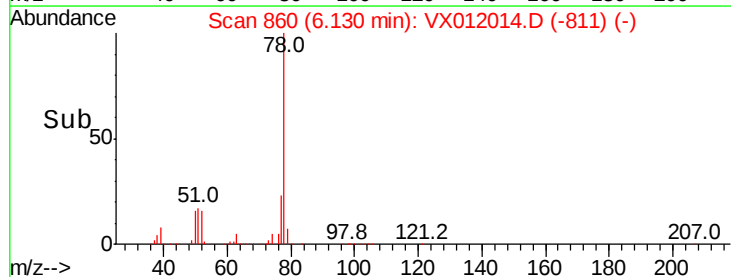
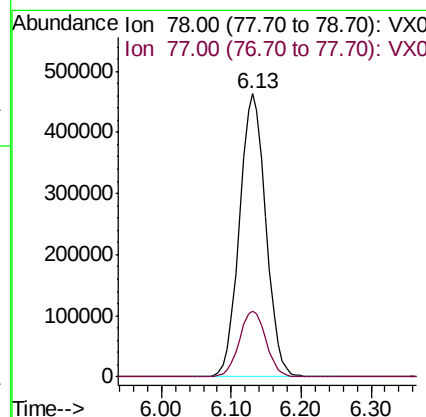
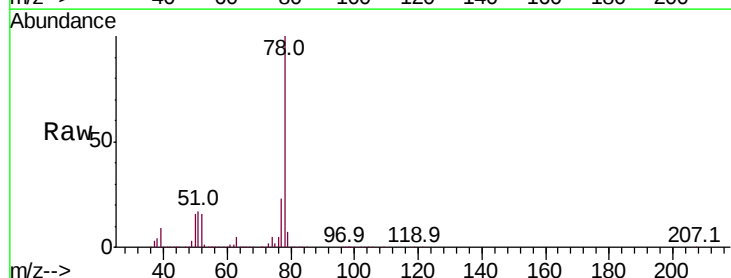
Manual Integrations
APPROVED

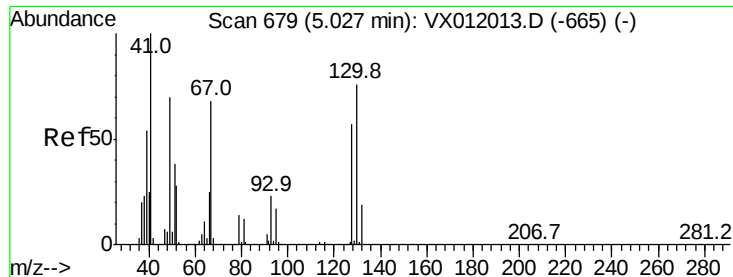
sam
9/3/2019 2:16:15 PM



#40
Benzene
Concen: 98.839 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.3	28.9





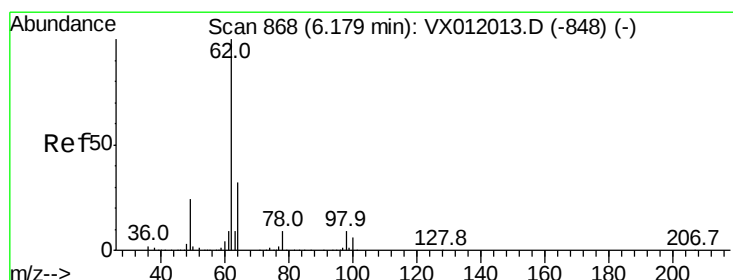
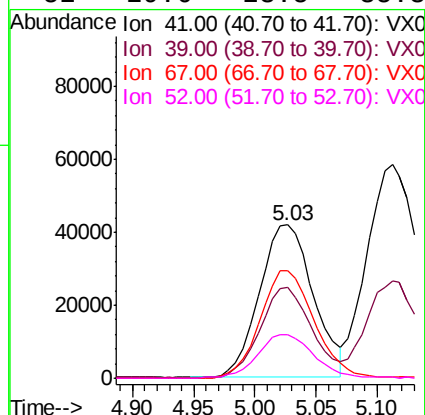
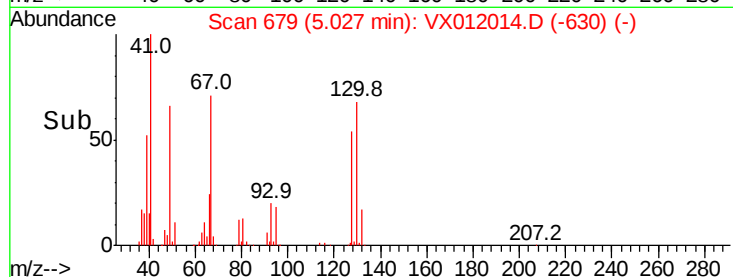
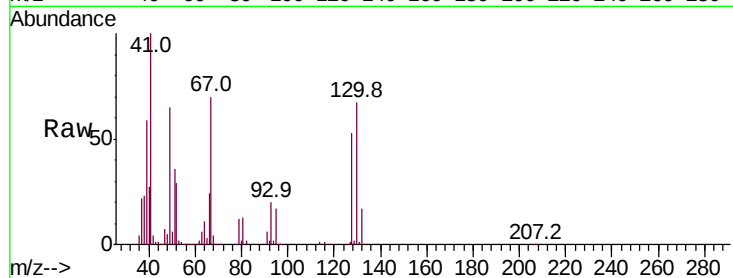
#41
Methacrylonitrile
Concen: 91.332 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		128608		
39	56.6	46.7	70.1		
67	70.3	57.0	85.6		
52	29.6	23.5	35.3		

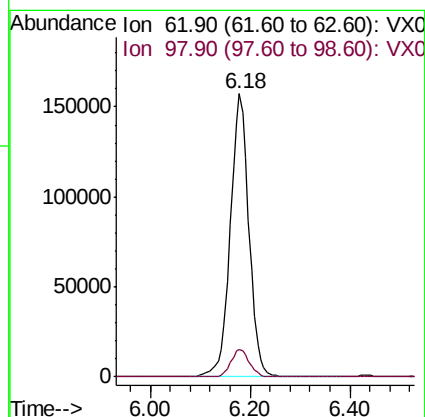
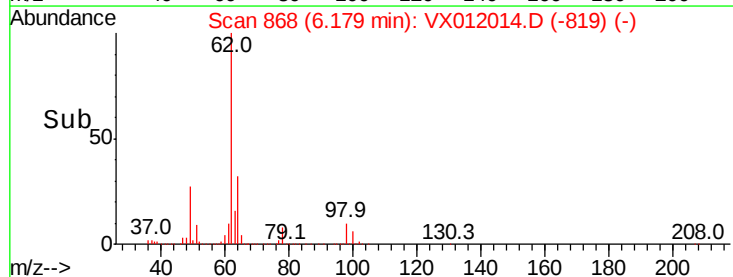
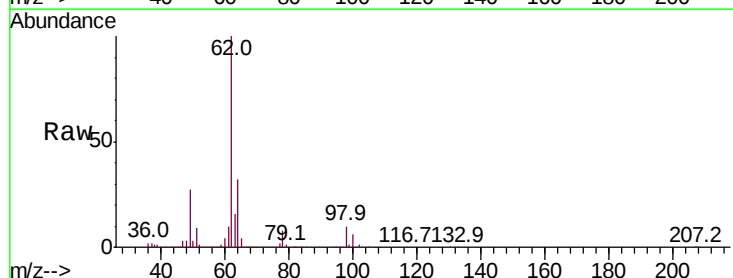
Manual Integrations
APPROVED

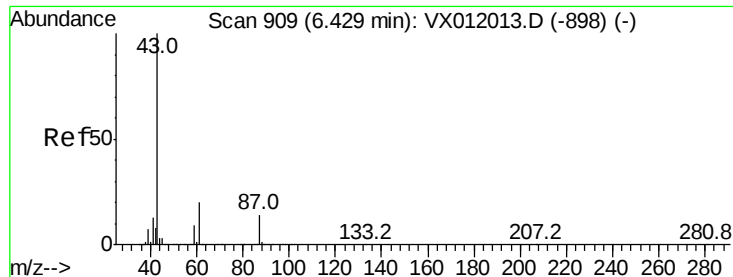
sam
9/3/2019 2:16:15 PM



#42
1,2-Dichloroethane
Concen: 98.375 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		408225		
98	9.7	0.0	19.2		





#43

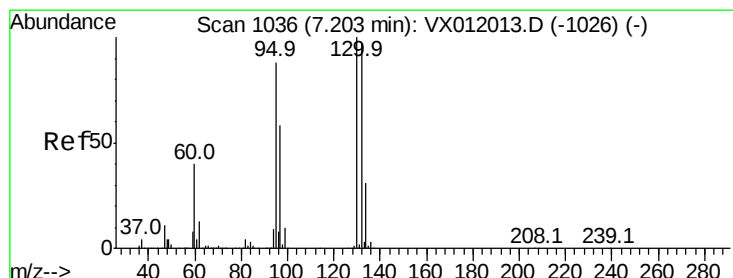
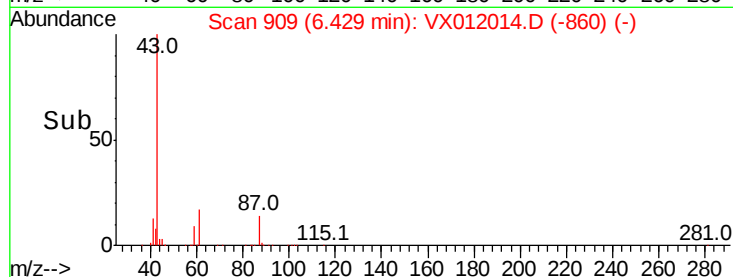
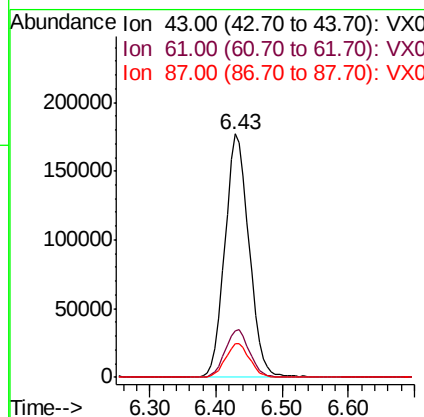
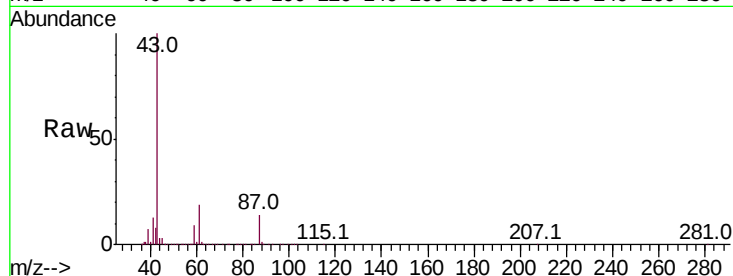
Isopropyl Acetate
 Concen: 91.965 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	43	Resp:	445257
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.9	11.3	16.9

Manual Integrations
 APPROVED

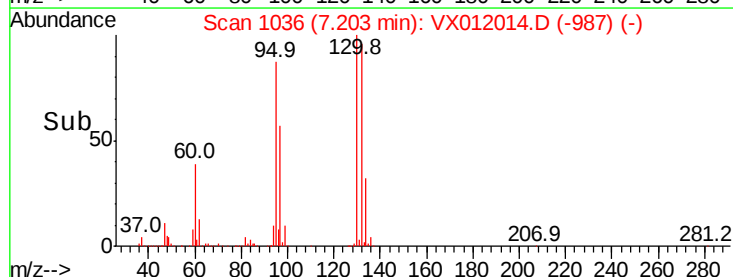
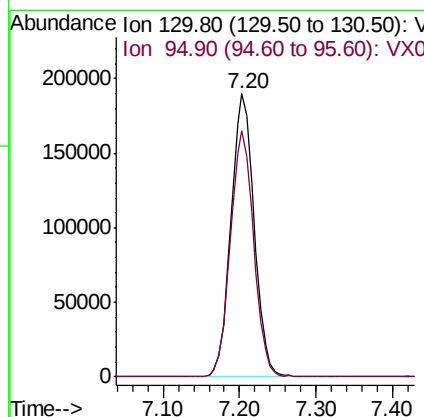
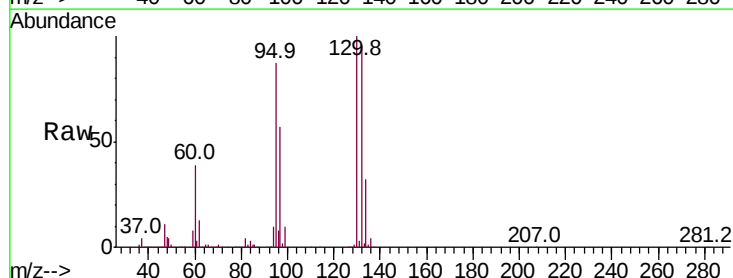
sam
 9/3/2019 2:16:15 PM

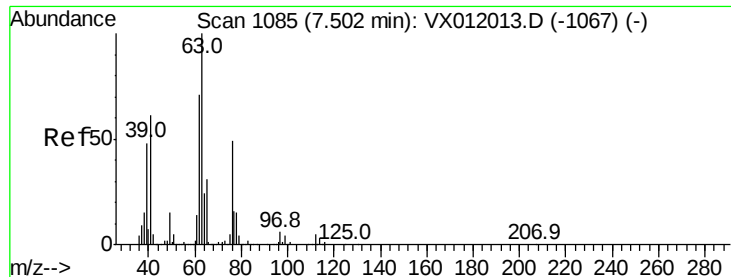


#44

Trichloroethene
 Concen: 103.681 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Tgt Ion:	130	Resp:	397428
Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	176.4





#45

1,2-Dichloropropane

Concen: 95.027 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 302116

Ion Ratio Lower Upper

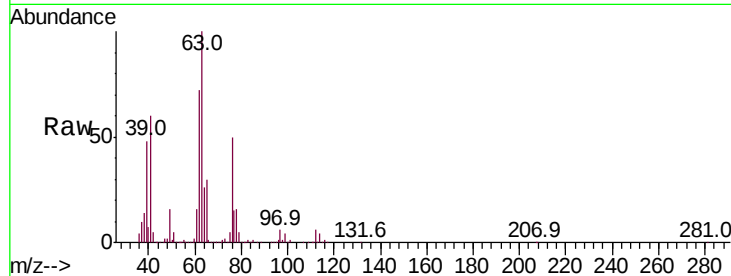
63 100

65 30.4 25.0 37.6

Manual Integrations
APPROVED

sam

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

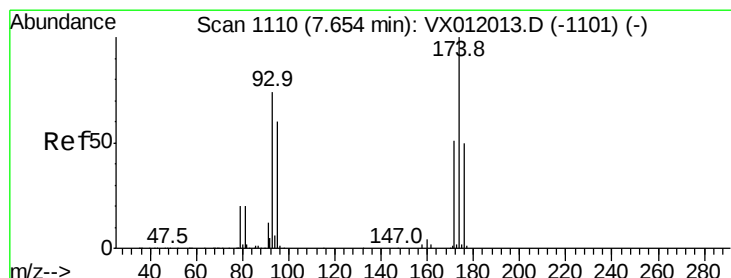
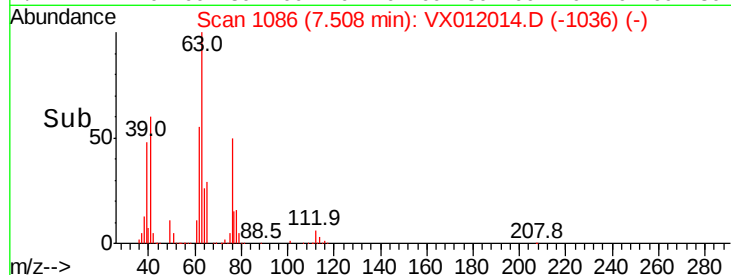
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 97.830 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

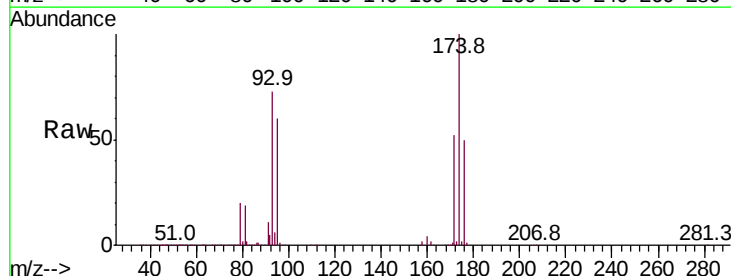
Tgt Ion: 93 Resp: 185418

Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.2

174 138.5 110.2 165.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

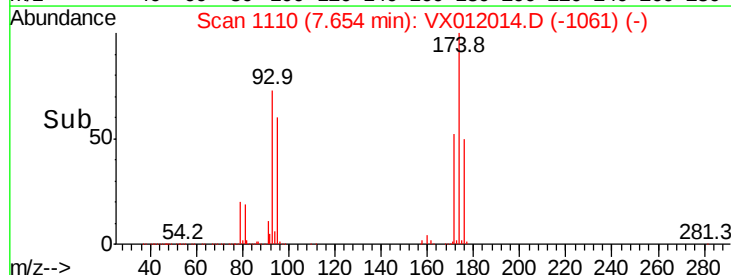
150000

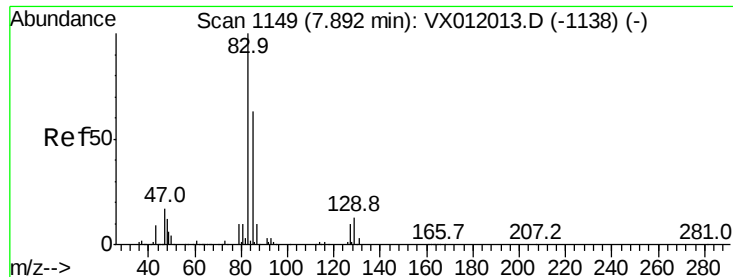
100000

50000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 98.869 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

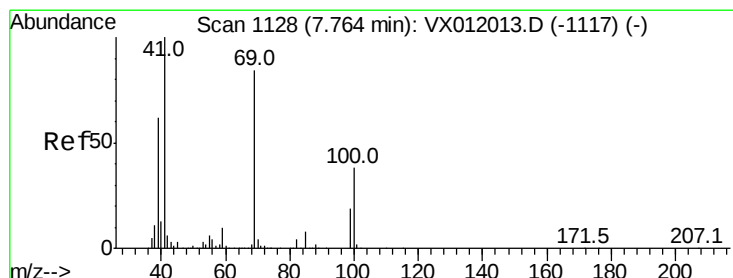
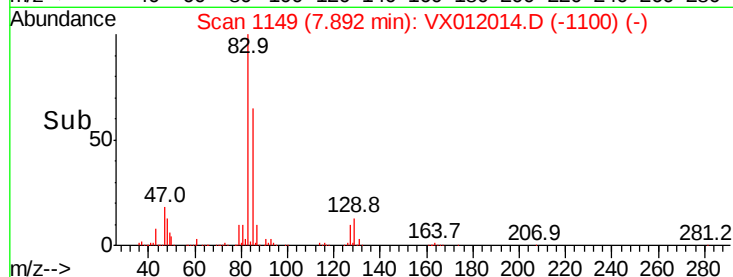
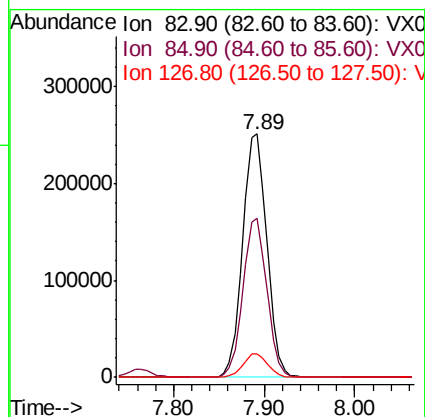
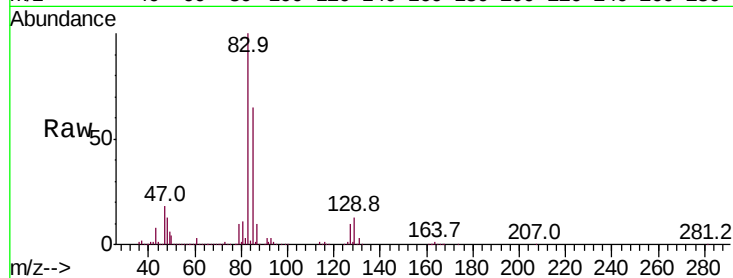
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	463910
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.3	75.5
127	9.9	8.1	12.1

Manual Integrations
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sam
9/3/2019 2:16:15 PM



#48

Methyl methacrylate

Concen: 93.862 ug/l

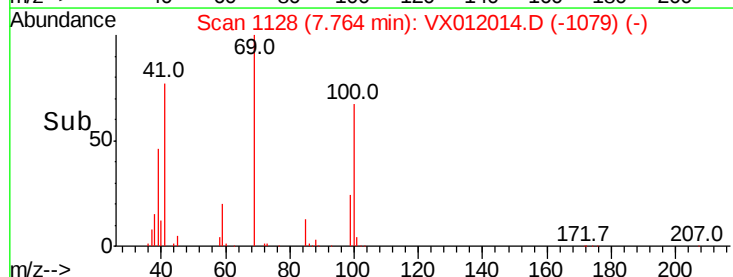
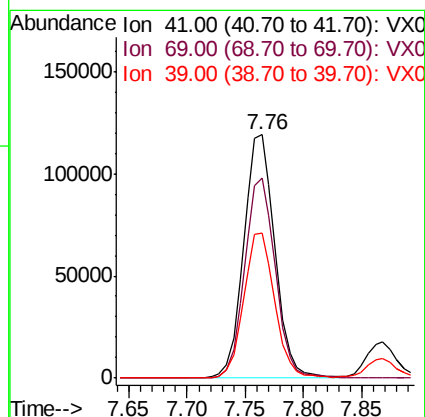
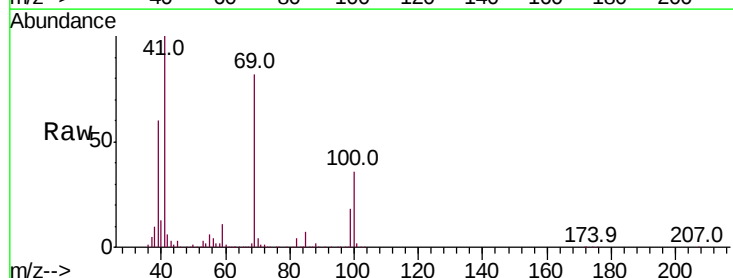
RT: 7.76 min Scan# 1128

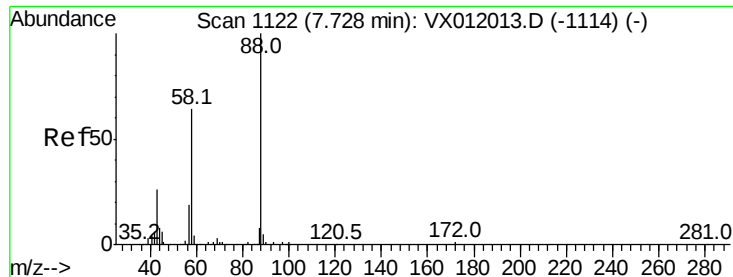
Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Tgt Ion:	41	Resp:	221108
Ion Ratio	Lower	Upper	
41	100		
69	82.0	66.3	99.5
39	59.3	48.1	72.1





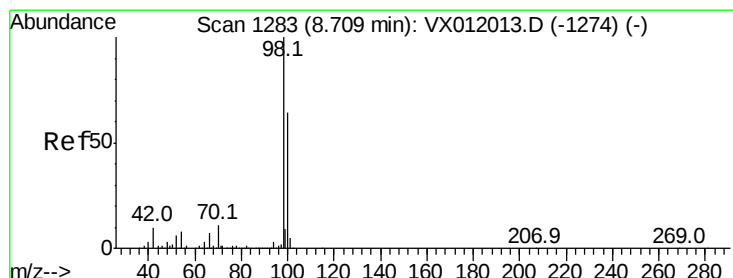
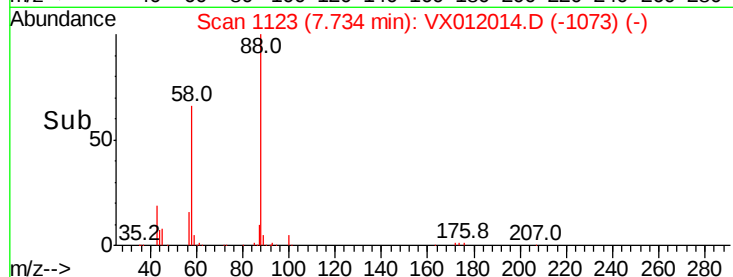
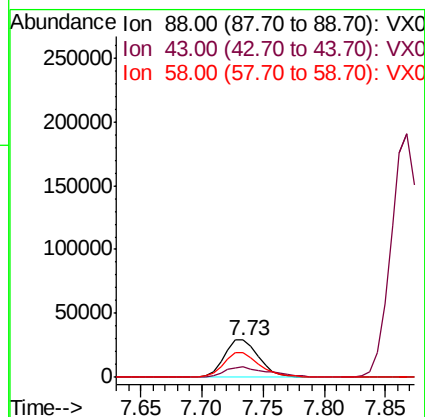
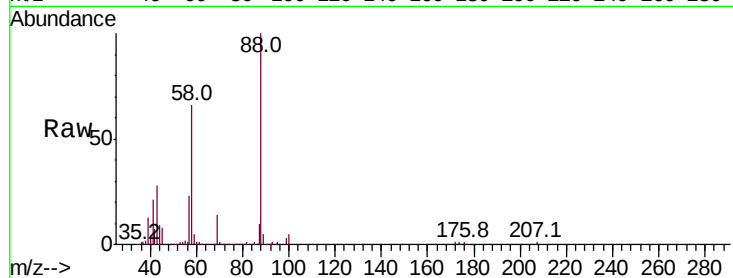
#49
1,4-Dioxane
Concen: 1805.092 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	58160		
43	35.1	29.8	44.6	
58	68.4	55.4	83.2	

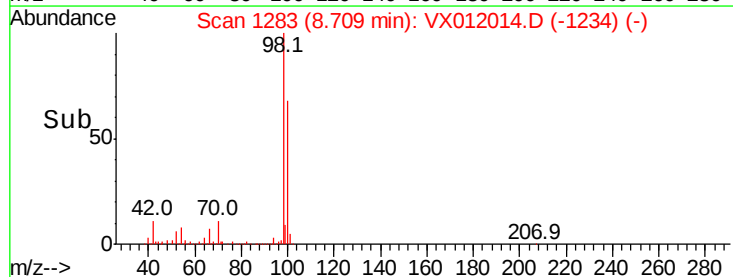
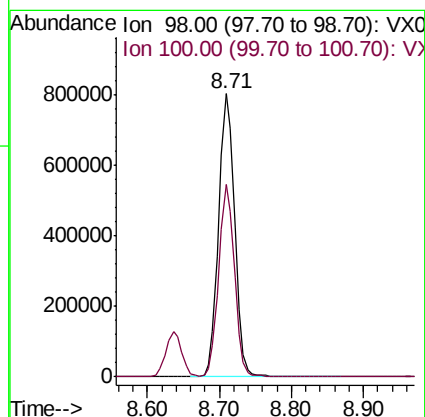
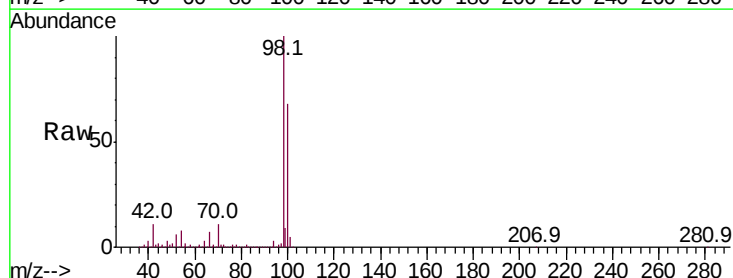
Manual Integrations
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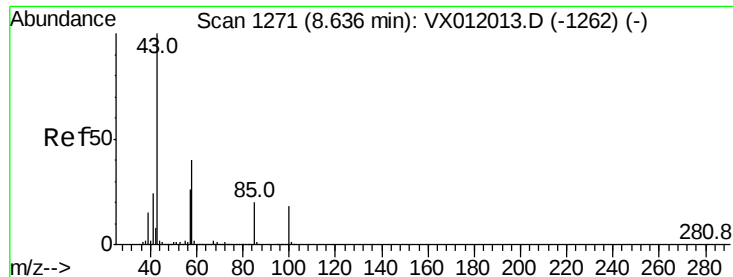
sam
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#50
Toluene-d8
Concen: 102.786 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1239583		
100	66.7	53.3	79.9	





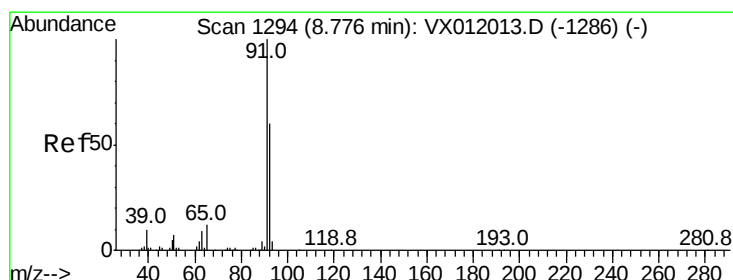
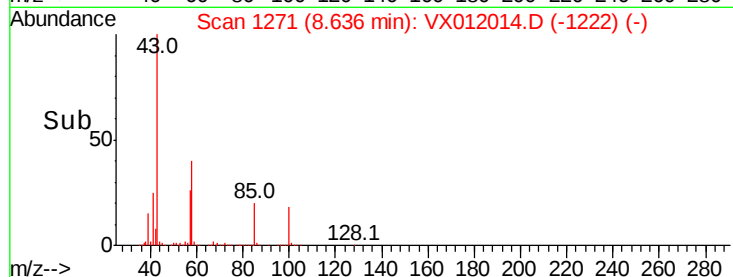
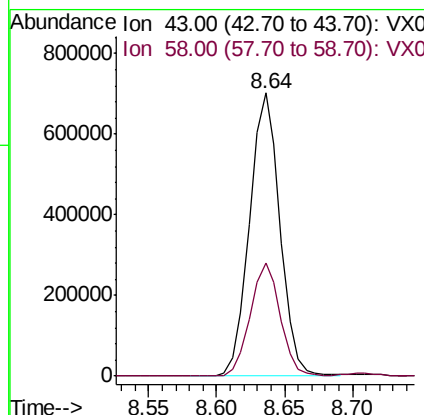
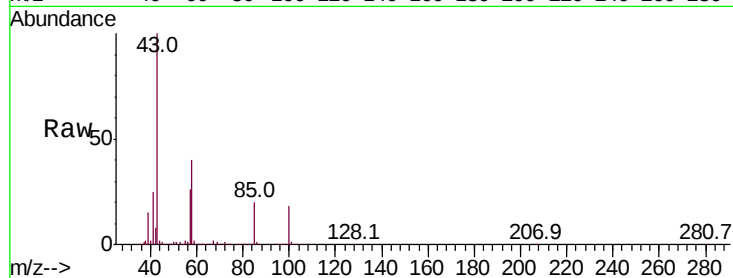
#51
4-Methyl-2-Pentanone
Concen: 448.732 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1101583
Ion Ratio Lower Upper
43 100
58 39.4 31.5 47.3

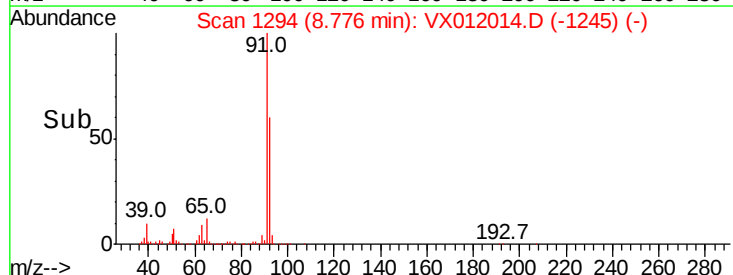
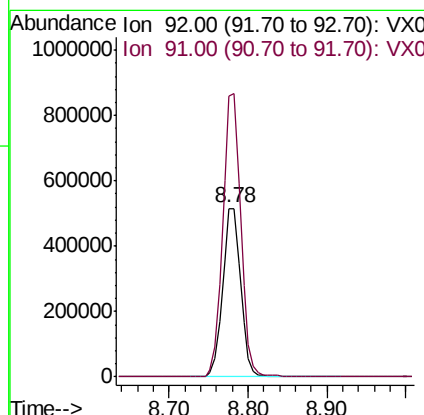
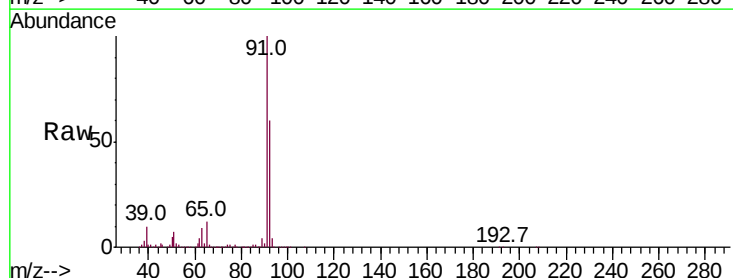
Manual Integrations
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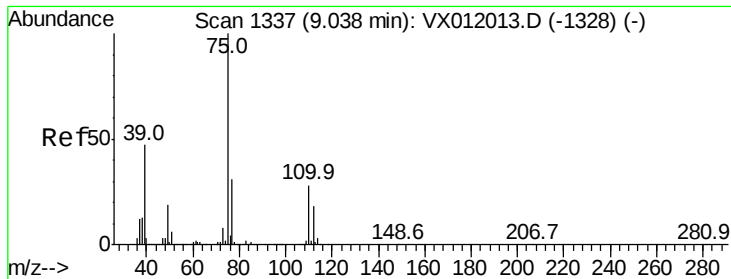
sam
9/3/2019 2:16:15 PM



#52
Toluene
Concen: 100.971 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion: 92 Resp: 819984
Ion Ratio Lower Upper
92 100
91 168.4 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 98.151 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 471597

Ion Ratio Lower Upper

75 100

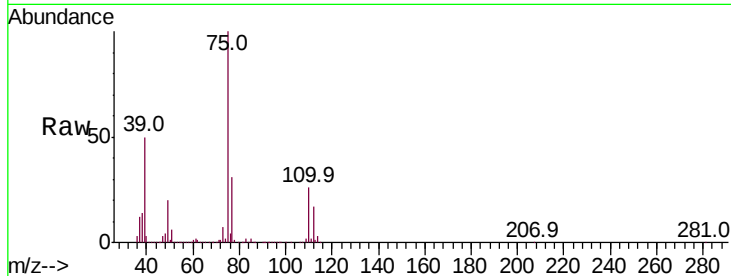
77 31.3 25.1 37.7

Manual Integrations

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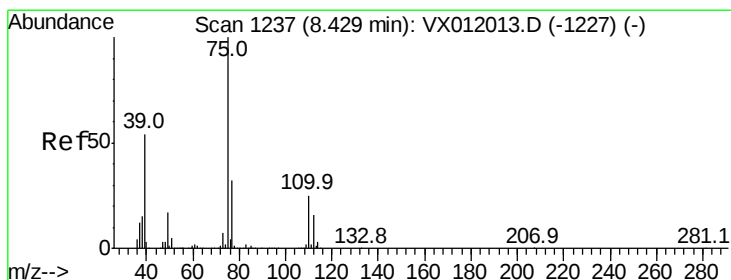
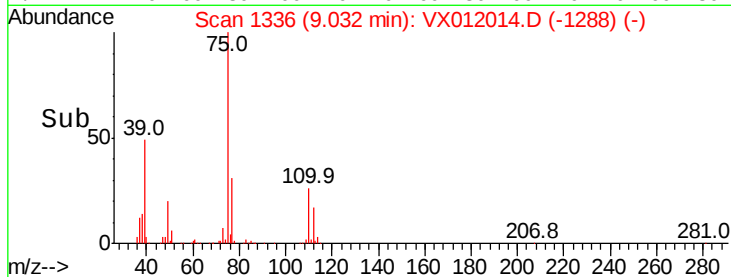
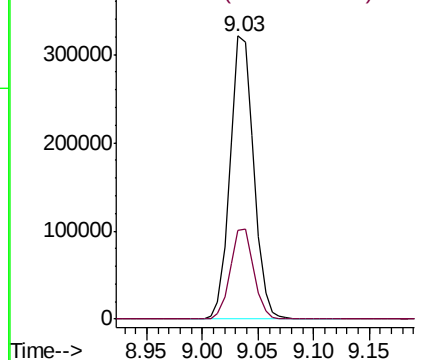
sam

9/3/2019 2:16:15 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 97.734 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

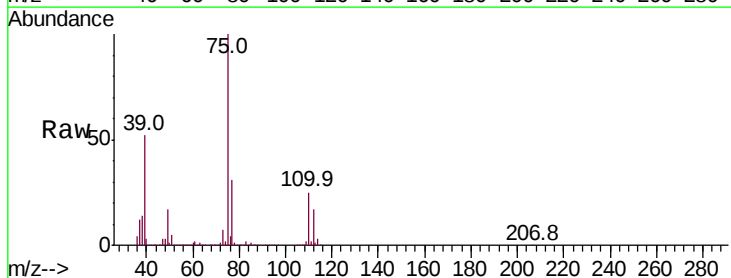
Tgt Ion: 75 Resp: 527060

Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

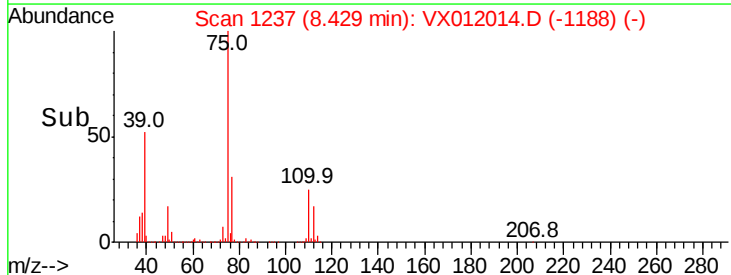
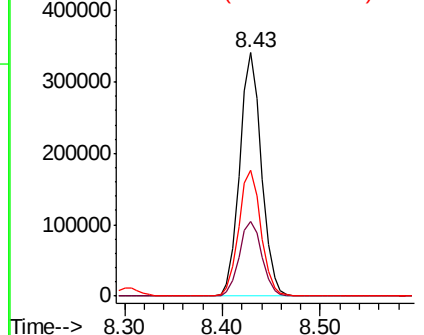
39 51.6 43.0 64.4

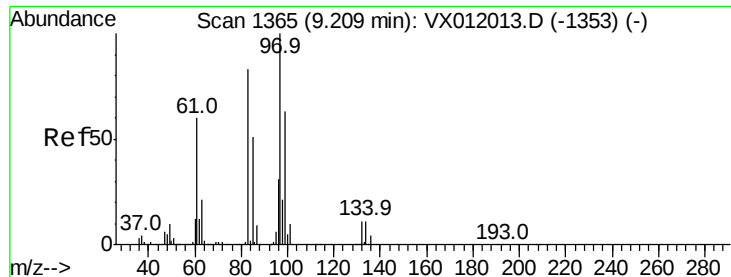


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





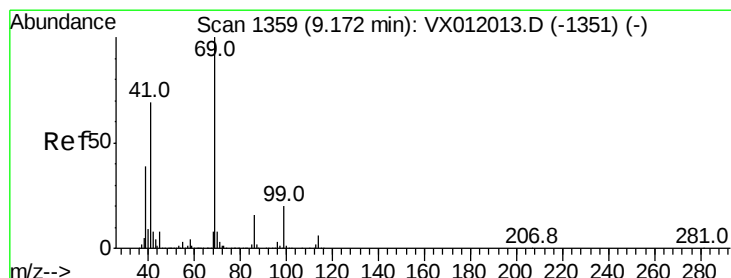
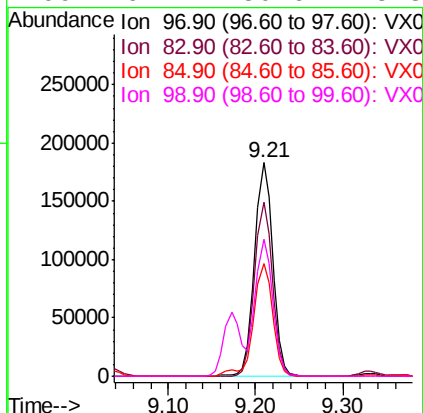
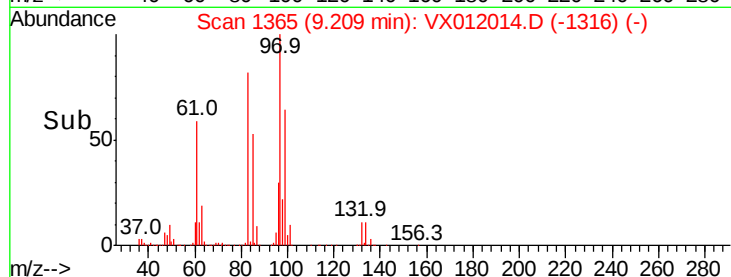
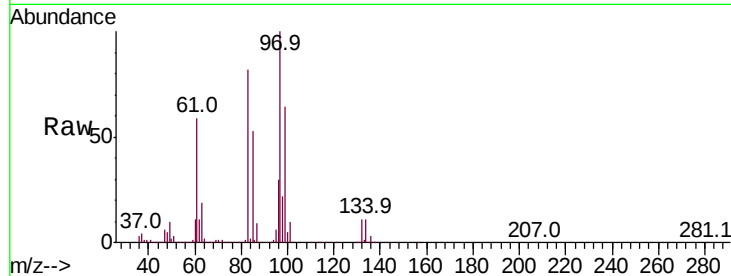
#55
 1,1,2-Trichloroethane
 Concen: 95.246 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.6	66.0	99.0
85	52.7	41.0	61.6
99	64.2	50.6	75.8

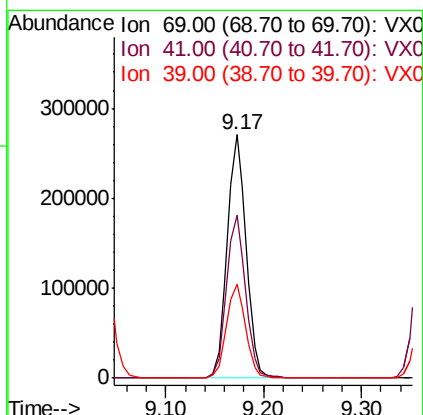
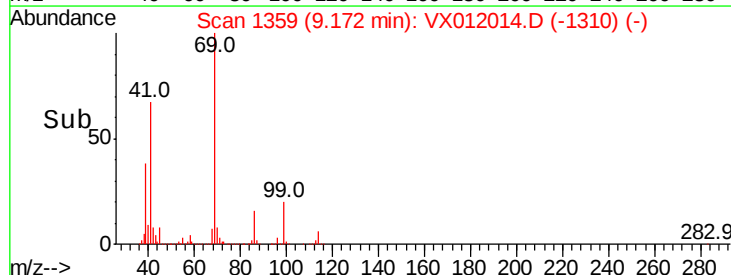
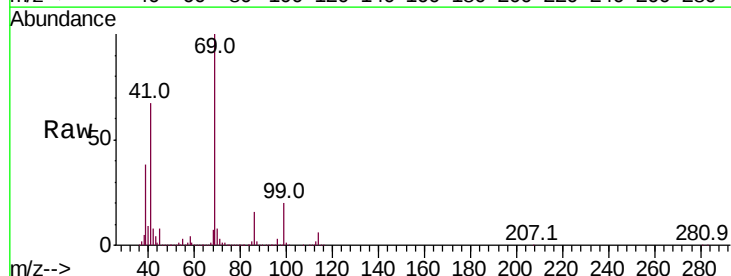
Manual Integrations
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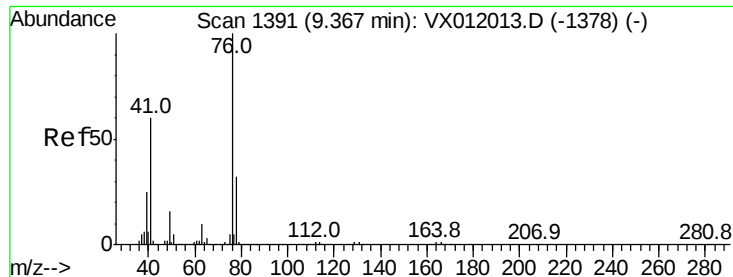
sam
 9/3/2019 2:16:15 PM



#56
 Ethyl methacrylate
 Concen: 95.551 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.3	53.9	80.9
39	38.6	31.1	46.7





#57

1,3-Dichloropropane

Concen: 94.782 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 435352

Ion Ratio Lower Upper

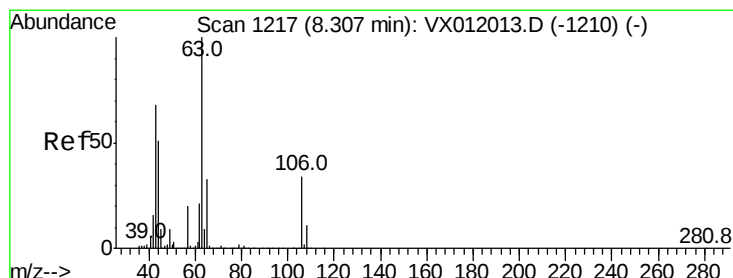
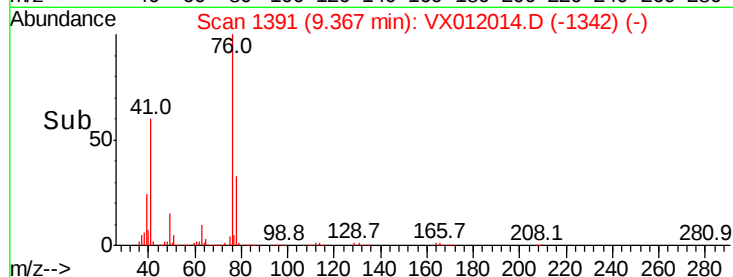
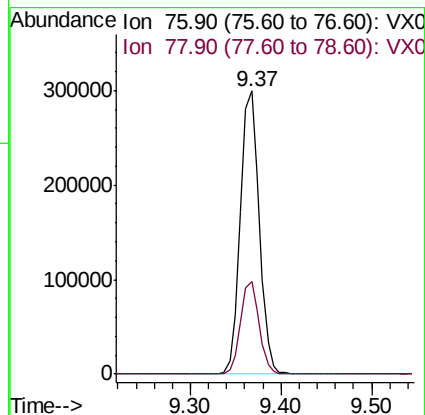
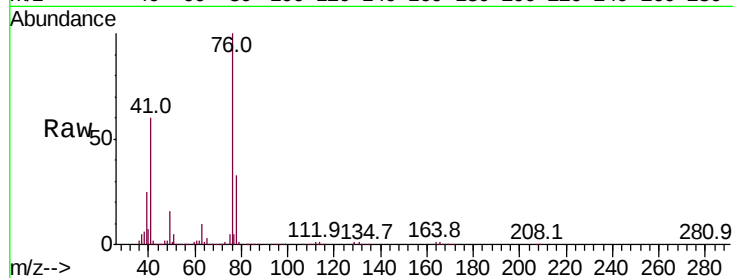
76 100

78 32.2 25.5 38.3

Manual Integrations
APPROVED

sam

9/3/2019 2:16:15 PM



#58

2-Chloroethyl Vinyl ether

Concen: 445.277 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012014.D

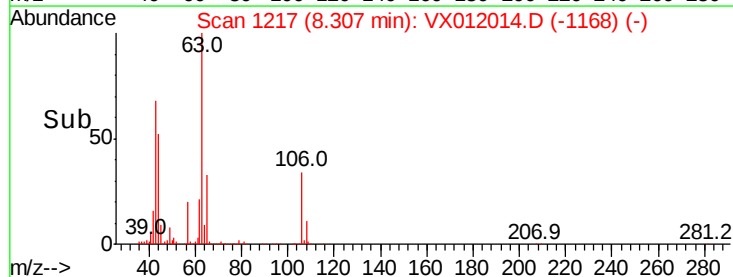
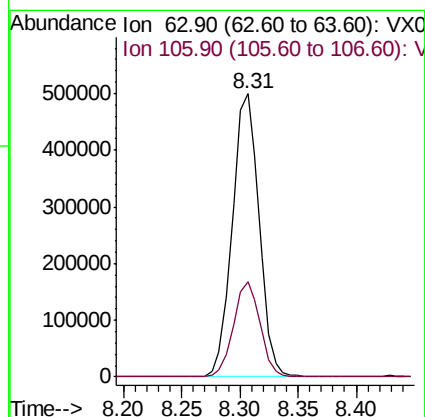
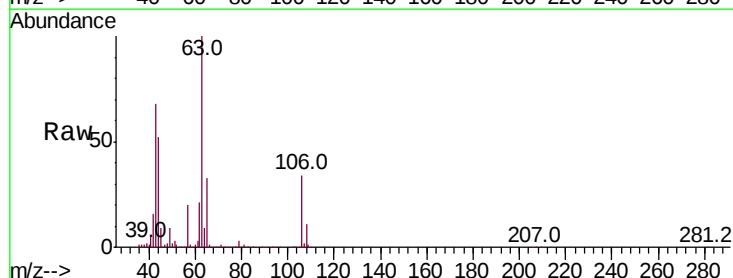
Acq: 02 Sep 2019 14:15

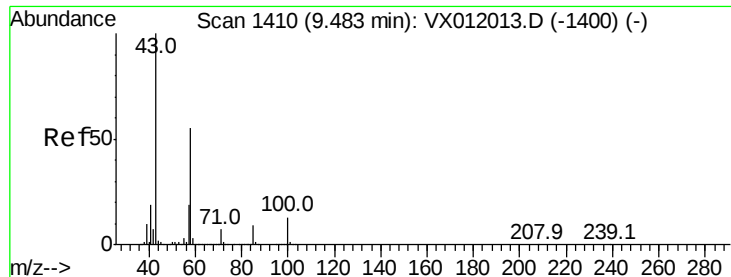
Tgt Ion: 63 Resp: 797632

Ion Ratio Lower Upper

63 100

106 33.3 26.5 39.7





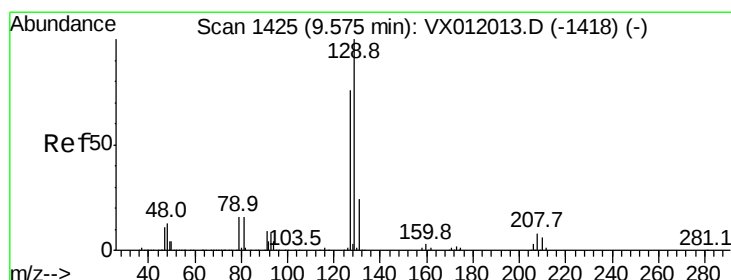
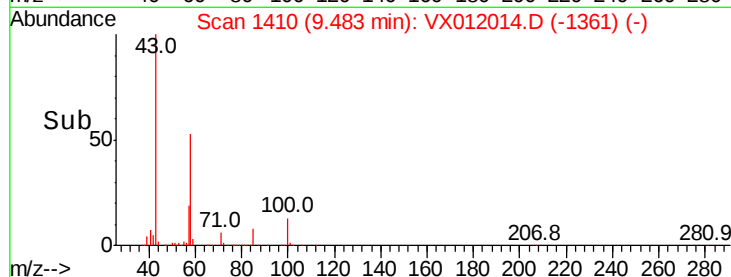
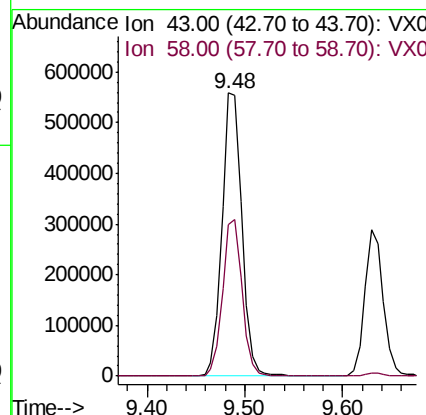
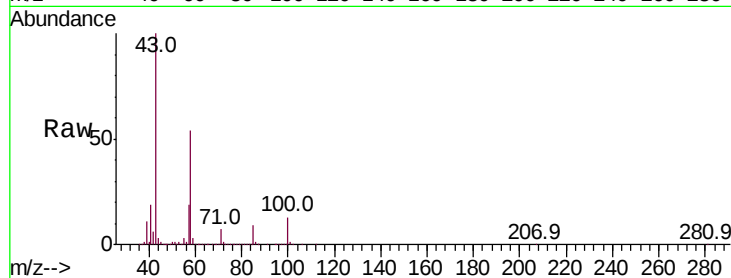
#59
2-Hexanone
Concen: 452.028 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 788830
Ion Ratio Lower Upper
43 100
58 54.7 27.2 81.6

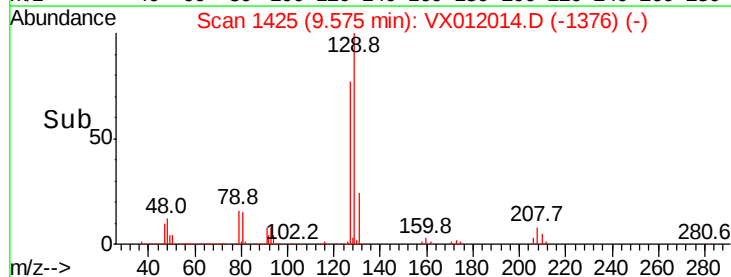
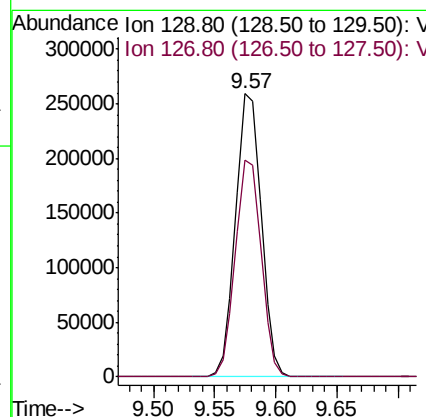
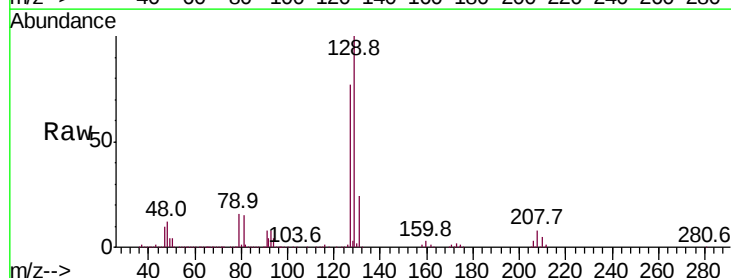
Manual Integrations
APPROVED

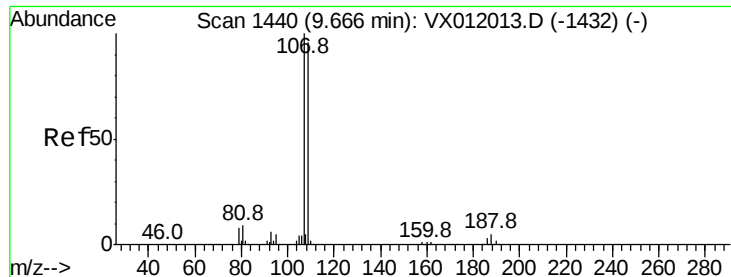
sam
9/3/2019 2:16:15 PM



#60
Dibromochloromethane
Concen: 100.939 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion: 129 Resp: 376867
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 98.564 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 271000

Ion Ratio Lower Upper

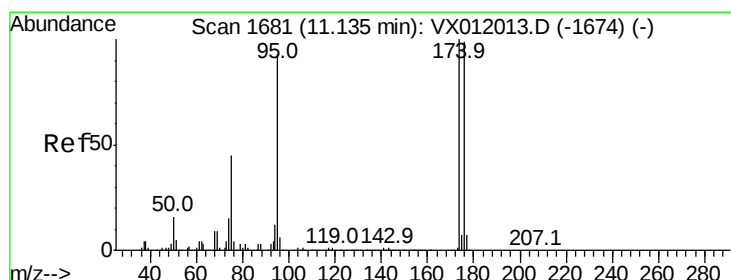
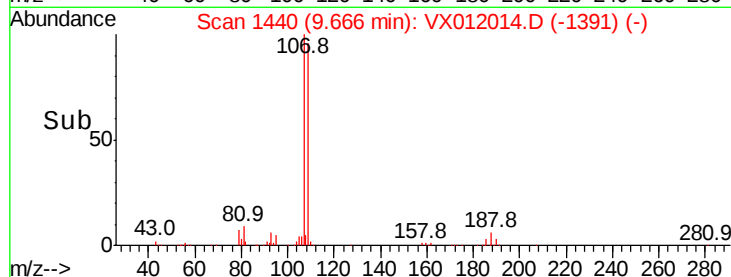
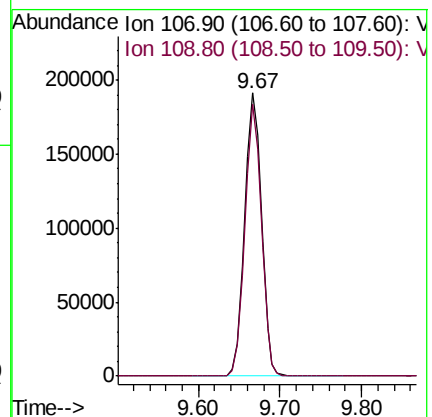
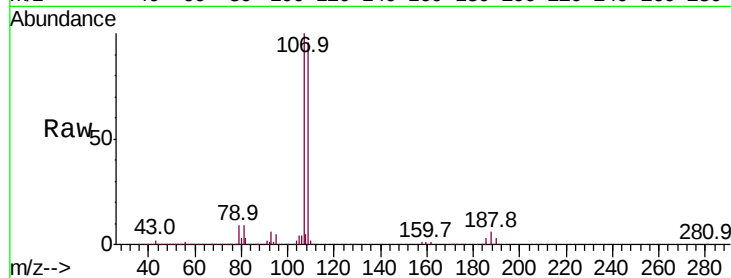
107 100

109 94.3 76.9 115.3

Manual Integrations
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sam

9/3/2019 2:16:15 PM



#62

4-Bromofluorobenzene

Concen: 94.949 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

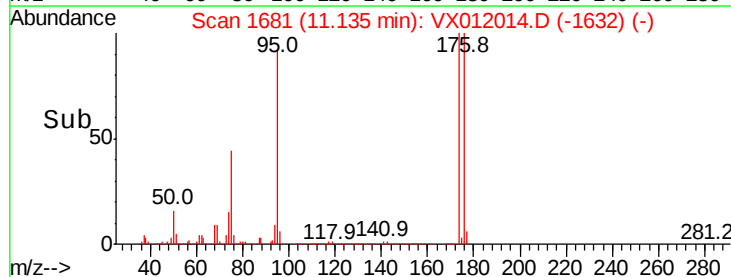
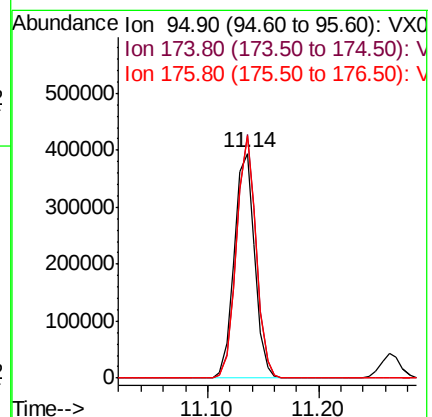
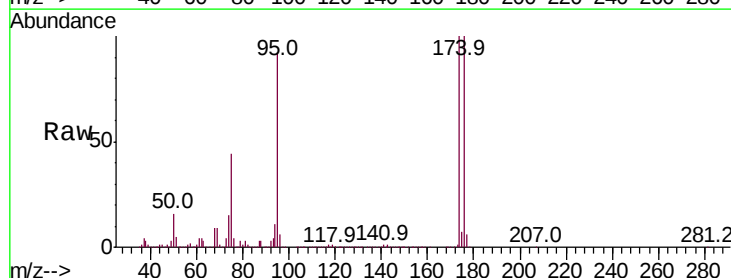
Tgt Ion: 95 Resp: 500574

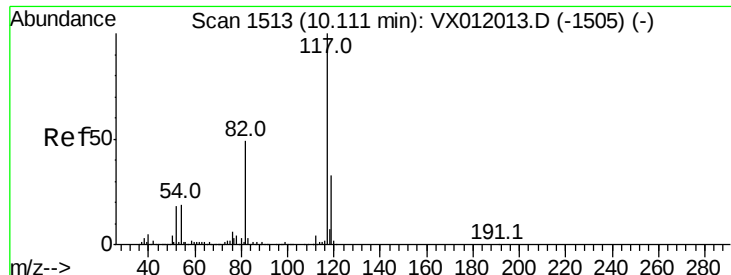
Ion Ratio Lower Upper

95 100

174 103.7 0.0 205.4

176 103.3 0.0 201.8





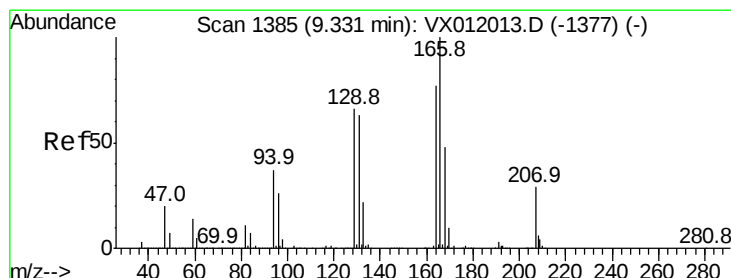
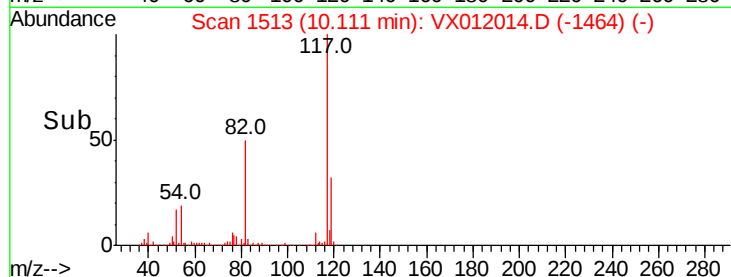
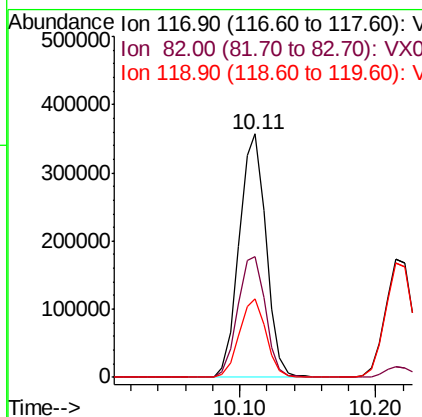
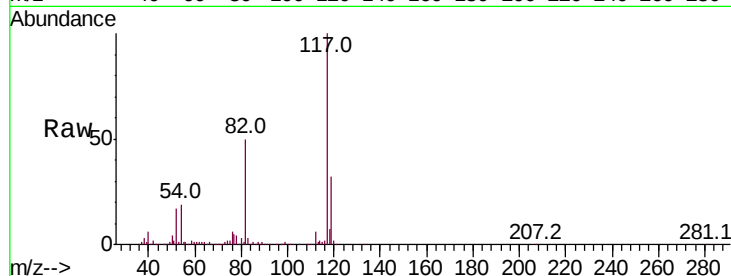
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	492663		
82	49.6	39.4	59.0	
119	32.2	26.1	39.1	

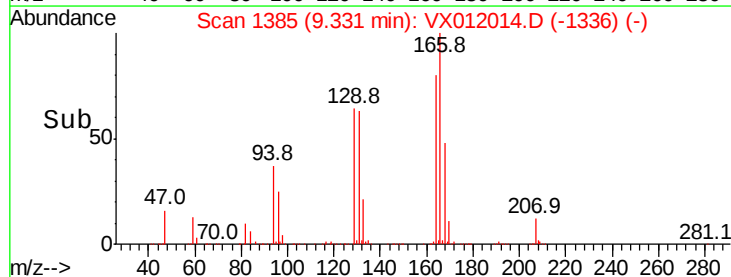
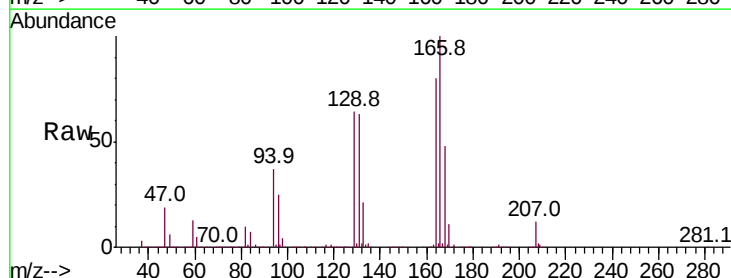
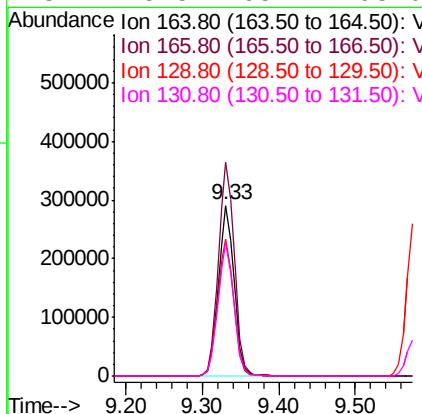
Manual Integrations
APPROVED

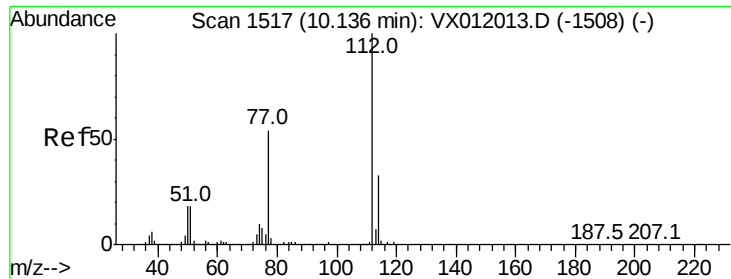
sam
9/3/2019 2:16:15 PM



#64
Tetrachloroethene
Concen: 103.460 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	411560		
166	125.4	104.3	156.5	
129	80.5	68.3	102.5	
131	78.5	65.4	98.0	





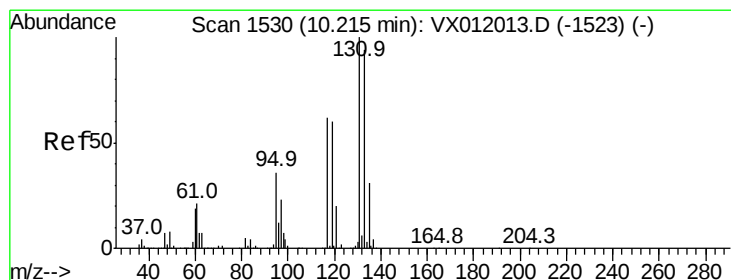
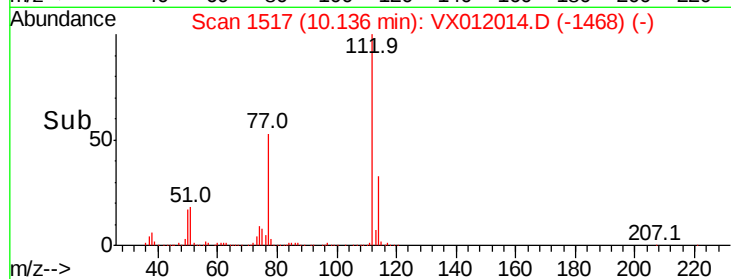
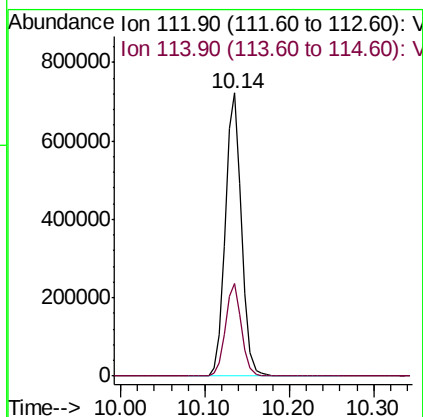
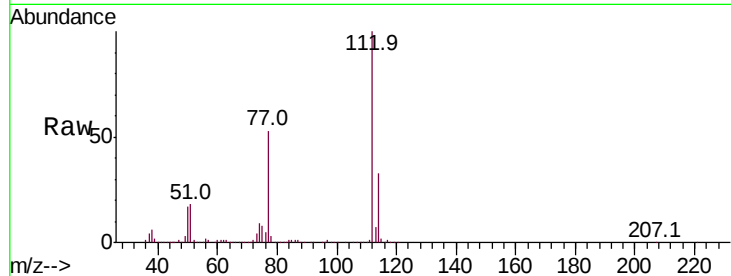
#65
Chlorobenzene
Concen: 100.474 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.2	39.2

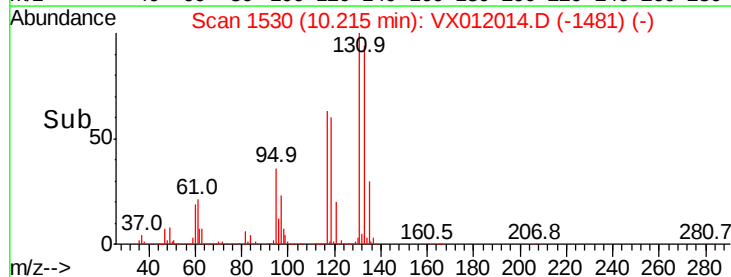
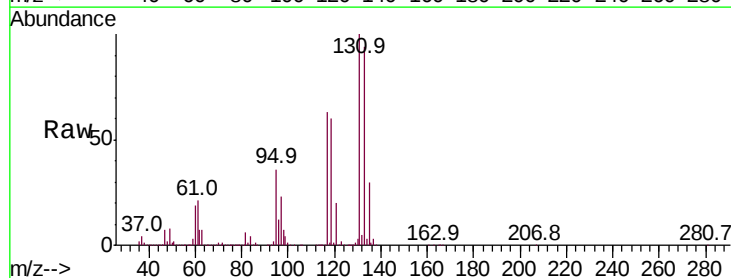
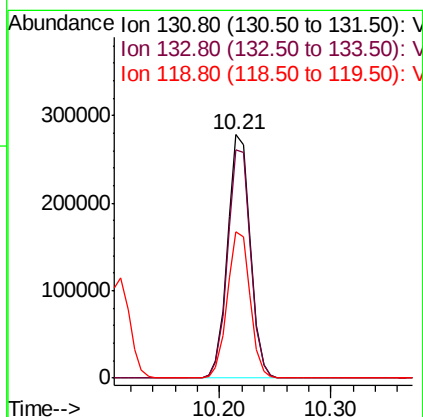
Manual Integrations
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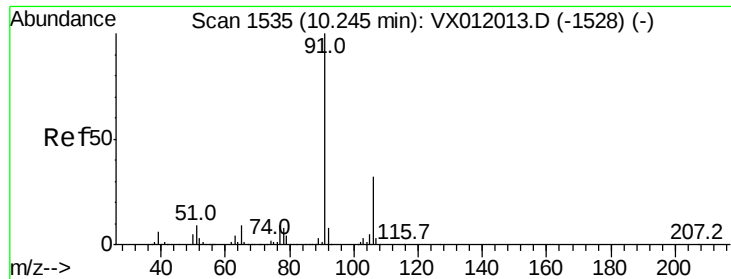
sam
9/3/2019 2:16:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.028 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.4	145.0
119	60.5	30.5	91.5





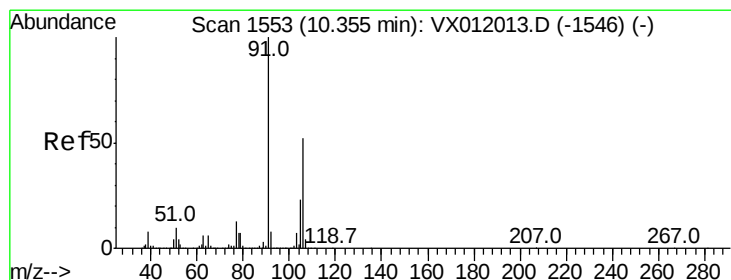
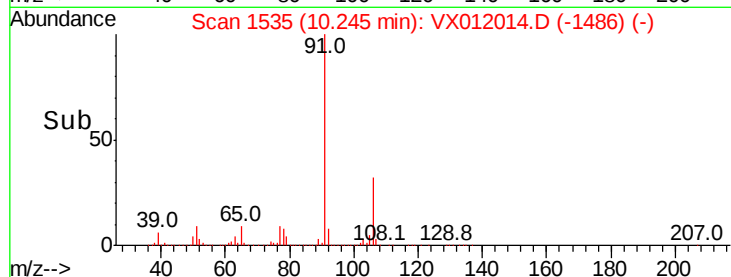
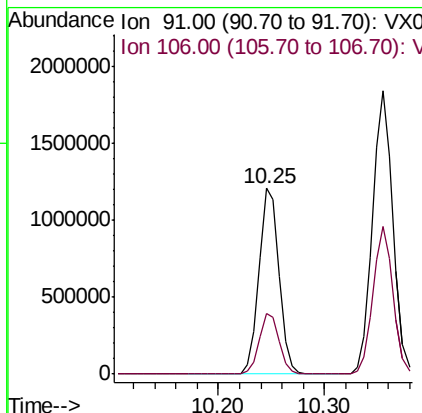
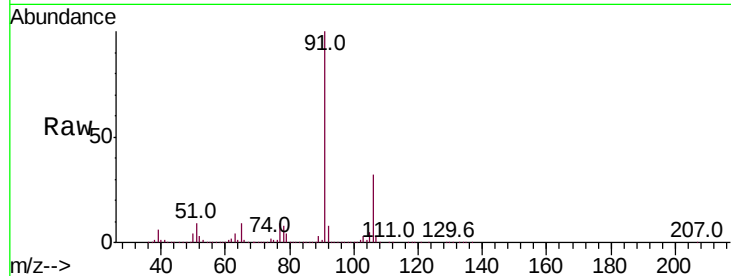
#67
Ethyl Benzene
Concen: 99.276 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1602094
Ion Ratio Lower Upper
91 100
106 32.4 25.8 38.8

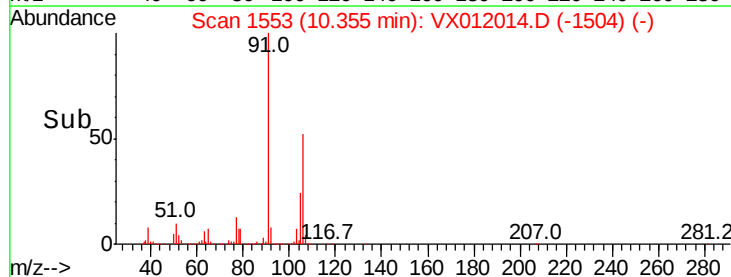
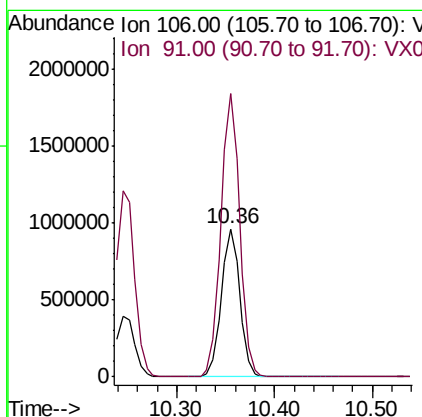
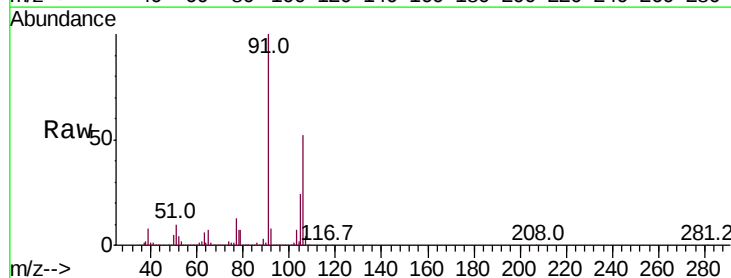
Manual Integrations
APPROVED

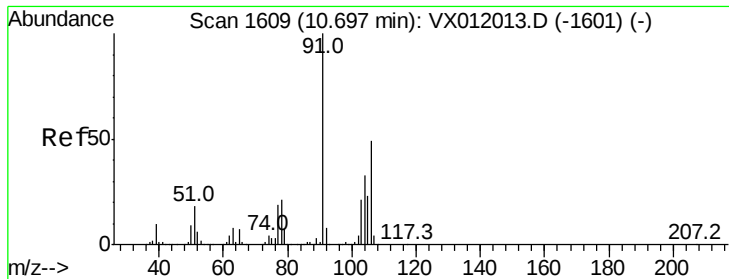
sam
9/3/2019 2:16:15 PM



#68
m/p-Xylenes
Concen: 202.418 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion: 106 Resp: 1263149
Ion Ratio Lower Upper
106 100
91 194.4 157.5 236.3





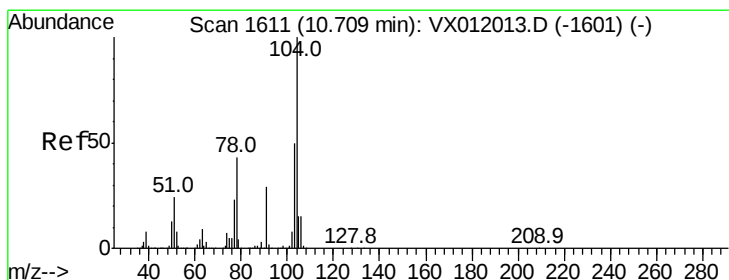
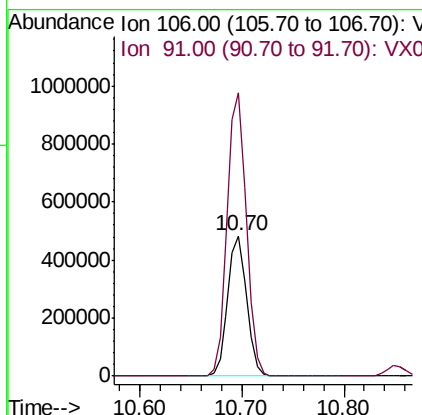
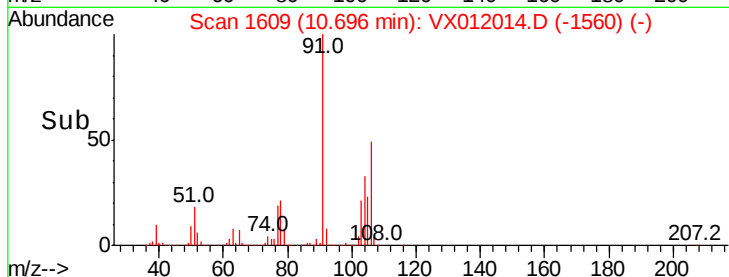
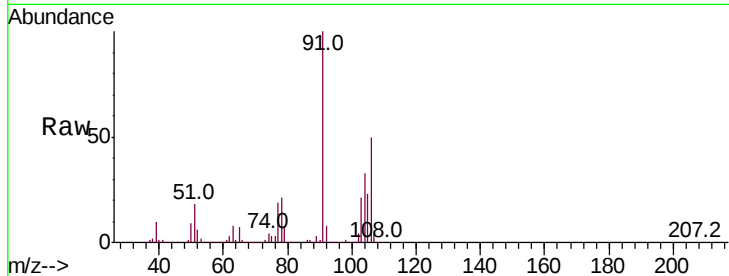
#69
o-Xylene
Concen: 101.556 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 616685
Ion Ratio Lower Upper
106 100
91 204.8 103.5 310.3

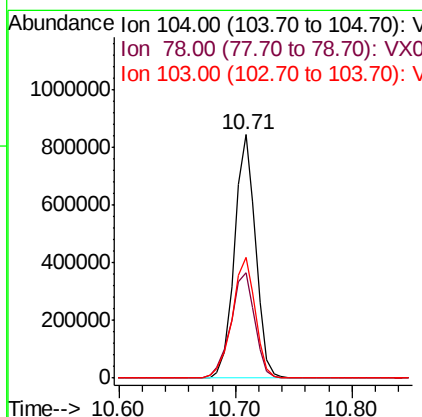
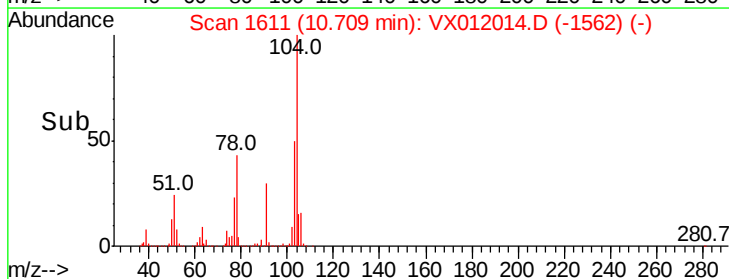
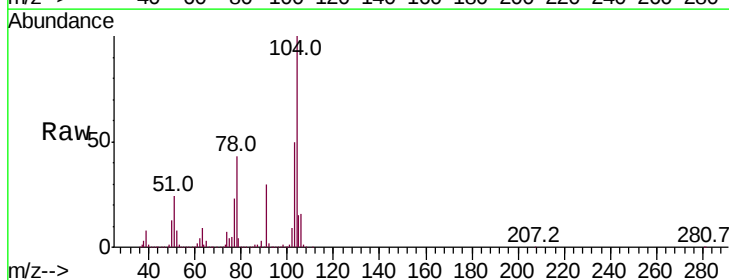
Manual Integrations
APPROVED

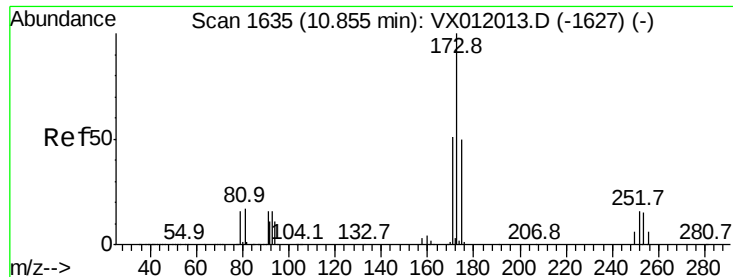
sam
9/3/2019 2:16:15 PM



#70
Styrene
Concen: 100.226 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion:104 Resp: 1068167
Ion Ratio Lower Upper
104 100
78 48.8 39.1 58.7
103 54.1 43.4 65.2





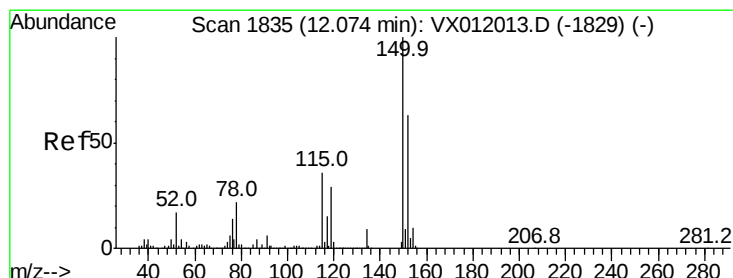
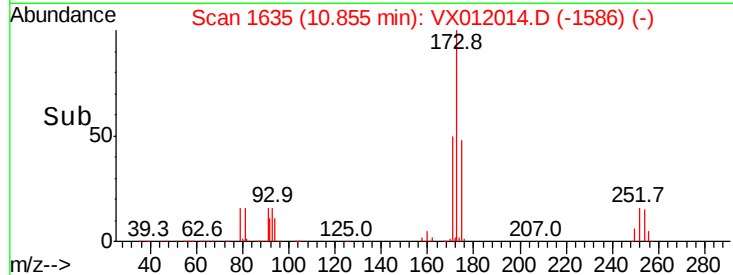
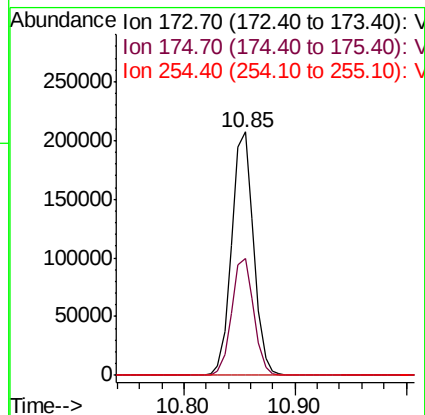
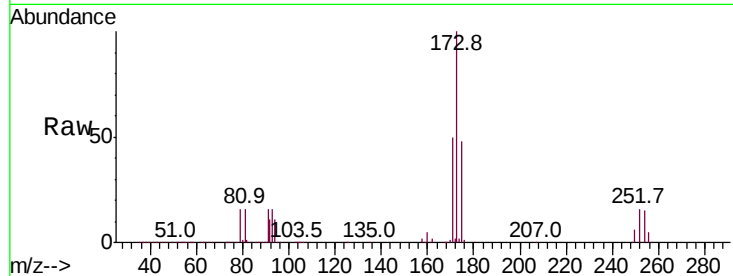
#71
Bromoform
Concen: 103.575 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
173	100	280668		
175	48.6	24.9	74.7	
254	0.1	0.1	0.1	

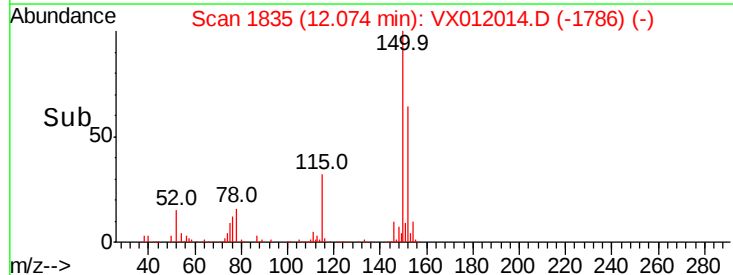
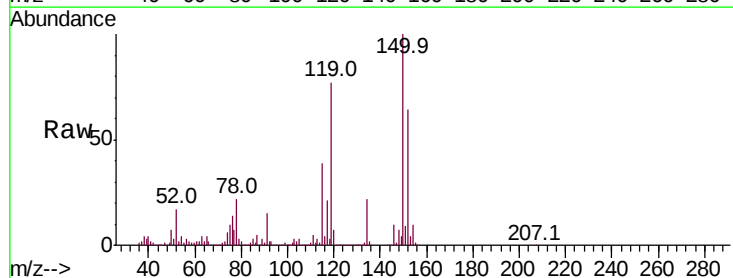
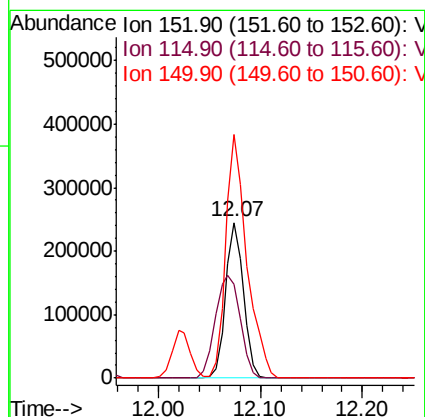
Manual Integrations
APPROVED

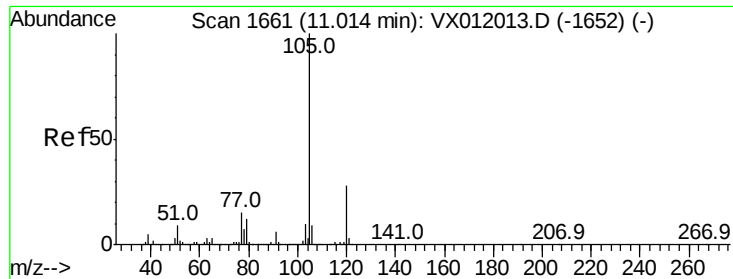
sam
9/3/2019 2:16:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	296158		
115	93.3	36.4	109.3	
150	185.4	0.0	341.2	





#73

Isopropylbenzene

Concen: 96.301 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1636279

Ion Ratio Lower Upper

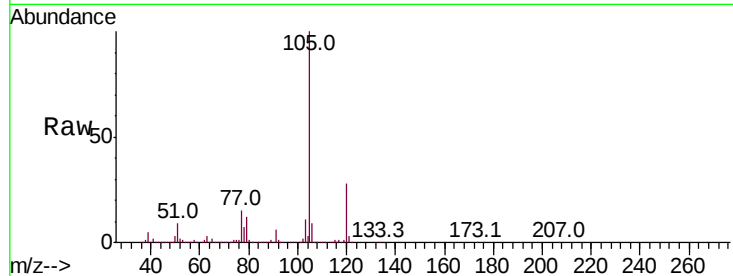
105 100

120 28.0 13.9 41.6

Manual Integrations
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sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

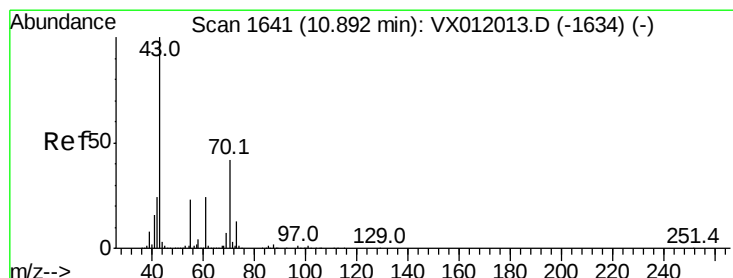
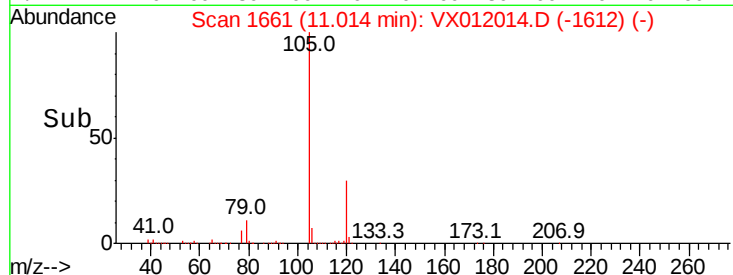
11.01

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 87.788 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Tgt Ion: 43 Resp: 432655

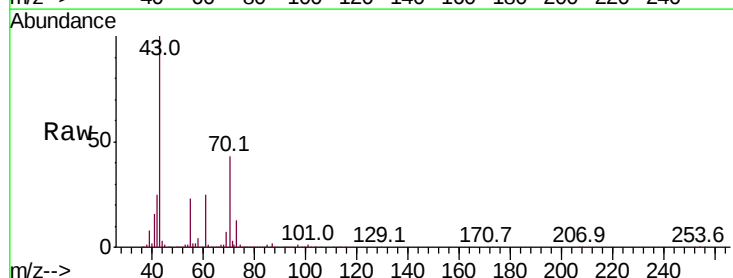
Ion Ratio Lower Upper

43 100

70 43.2 34.4 51.6

55 23.2 18.5 27.7

61 24.7 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

600000

500000

400000

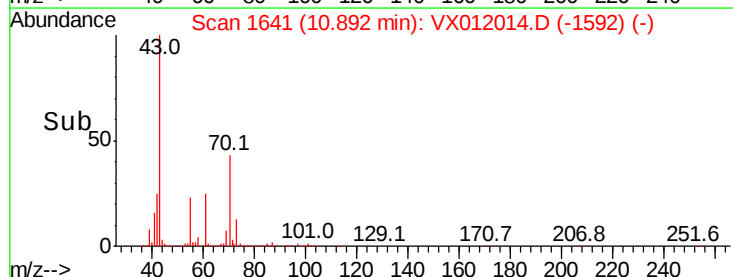
300000

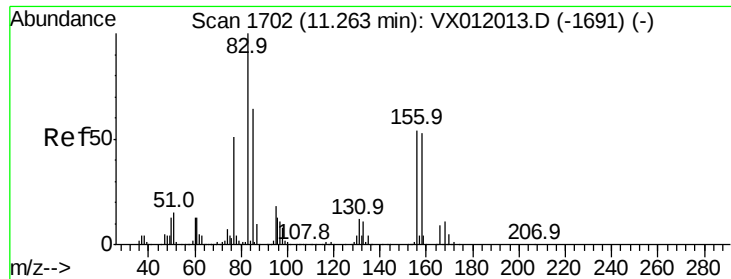
200000

100000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 90.343 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 308773

Ion Ratio Lower Upper

83 100

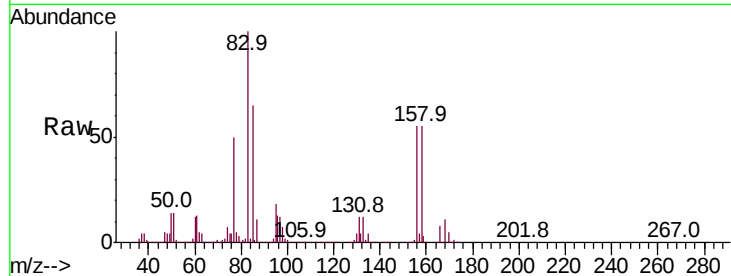
131 12.9 6.3 19.1

85 64.9 32.5 97.4

Manual Integrations
APPROVED

sam

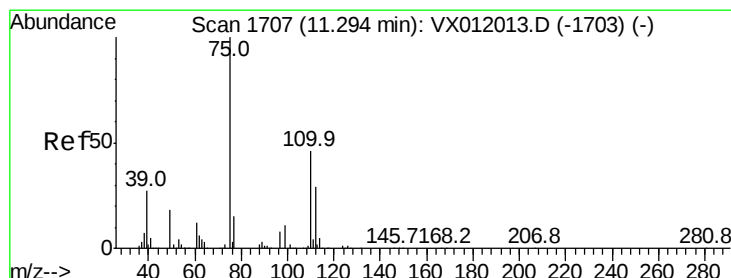
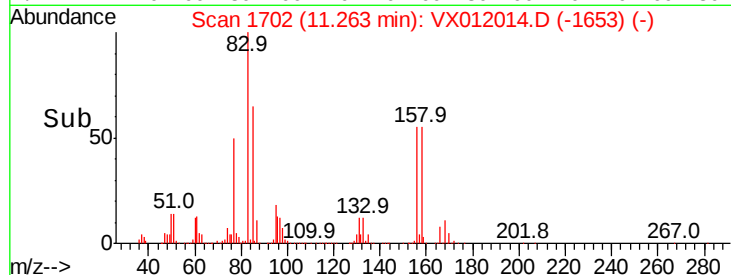
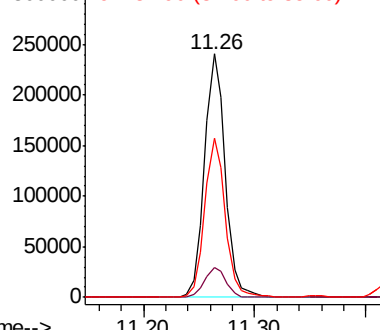
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 95.363 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012014.D

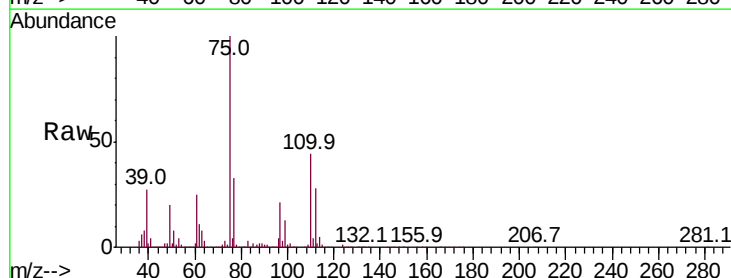
Acq: 02 Sep 2019 14:15

Tgt Ion: 75 Resp: 267355

Ion Ratio Lower Upper

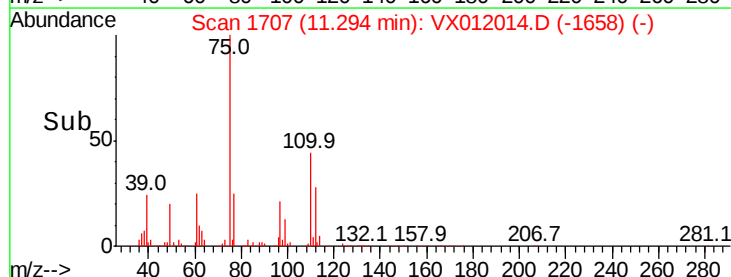
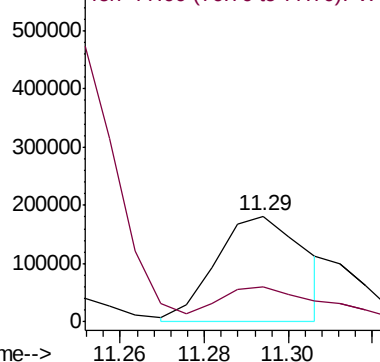
75 100

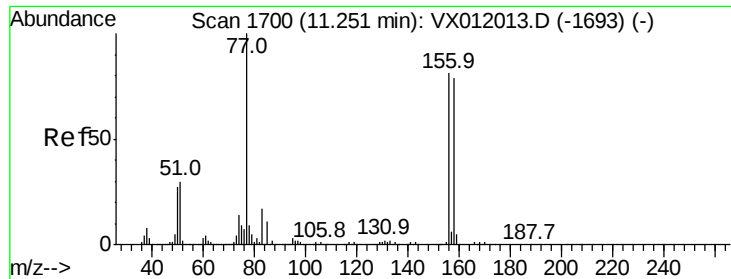
77 39.8 23.5 70.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





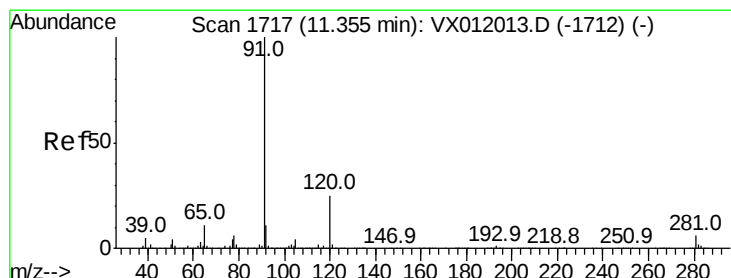
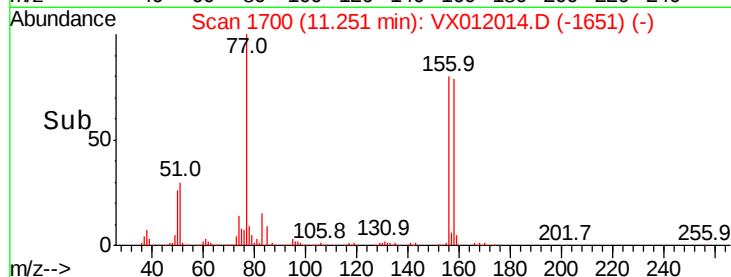
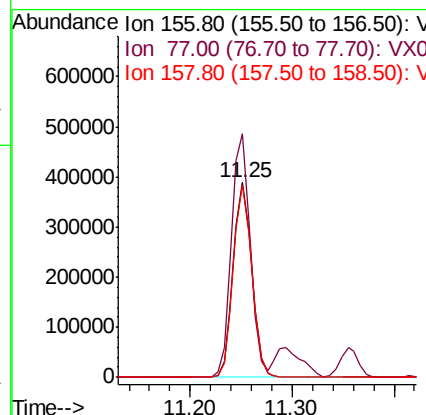
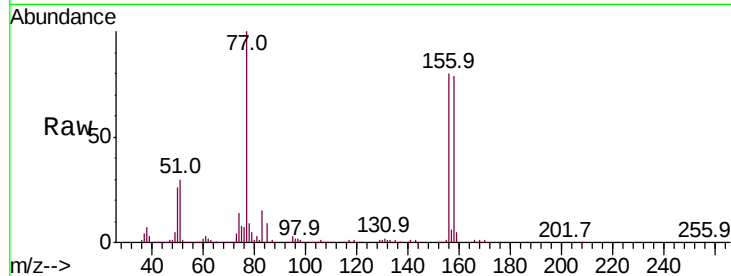
#77
Bromobenzene
Concen: 98.965 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	126.7	63.4	190.2
158	98.6	48.9	146.6

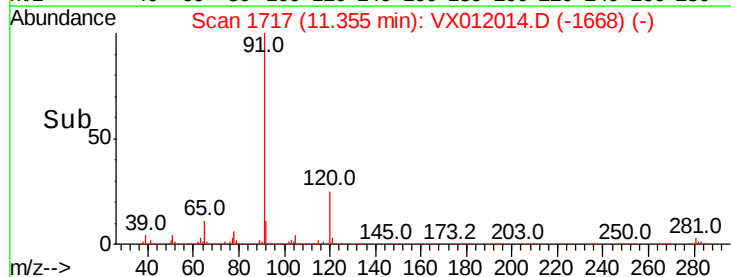
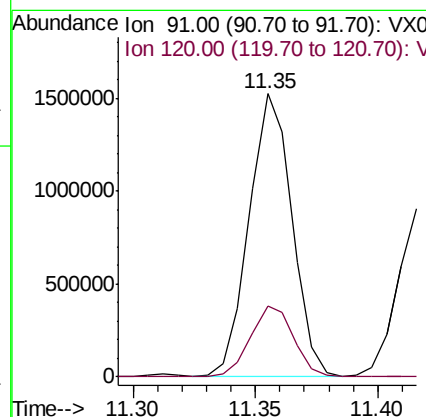
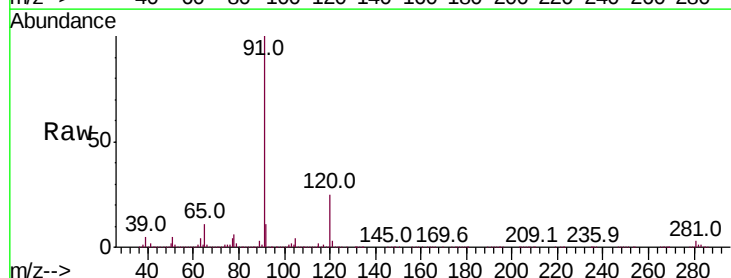
Manual Integrations
APPROVED

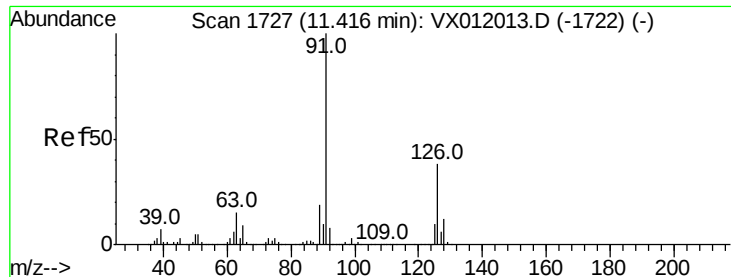
sam
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#78
n-propylbenzene
Concen: 96.654 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.5	12.7	38.0





#79

2-Chlorotoluene

Concen: 95.759 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1103654

Ion Ratio Lower Upper

91 100

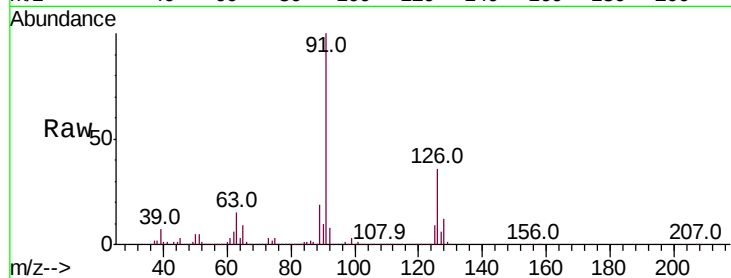
126 37.6 18.6 55.8

Manual Integrations

APPROVED

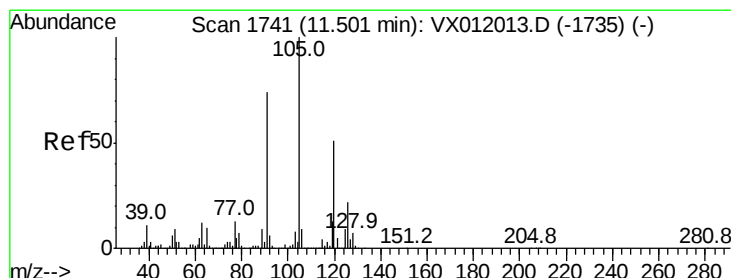
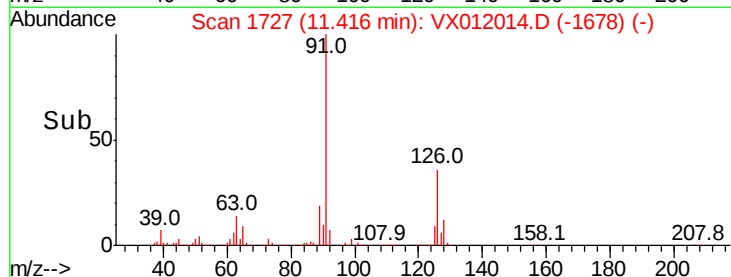
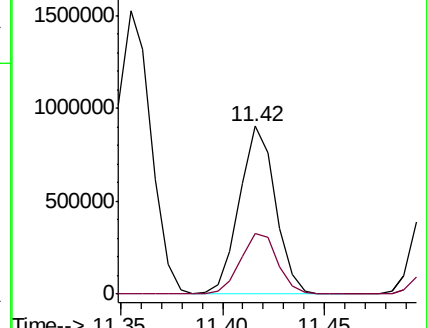
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX012013.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012013.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 98.248 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012014.D

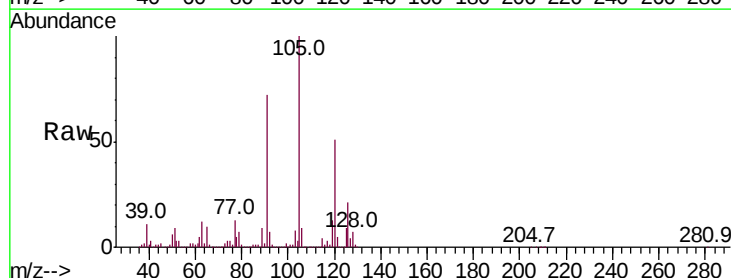
Acq: 02 Sep 2019 14:15

Tgt Ion:105 Resp: 1434601

Ion Ratio Lower Upper

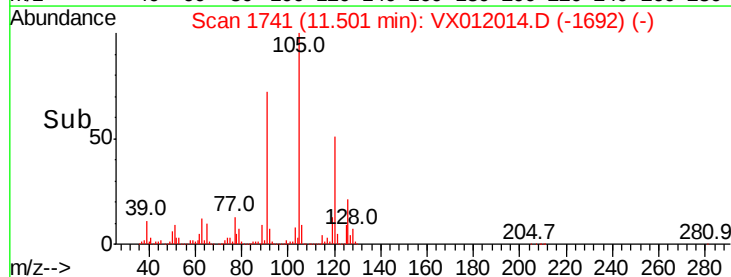
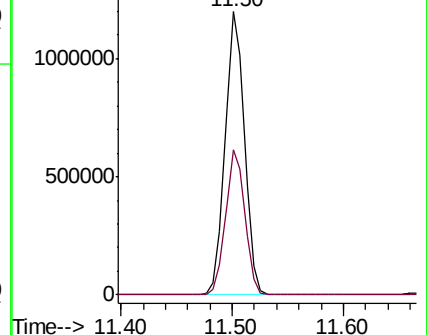
105 100

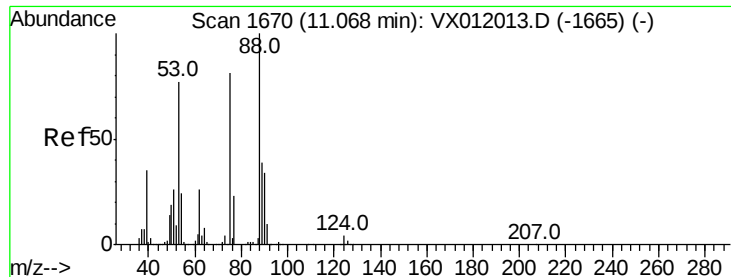
120 51.3 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012013.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012013.D (-1735) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 89.732 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 102168

Ion Ratio Lower Upper

75 100

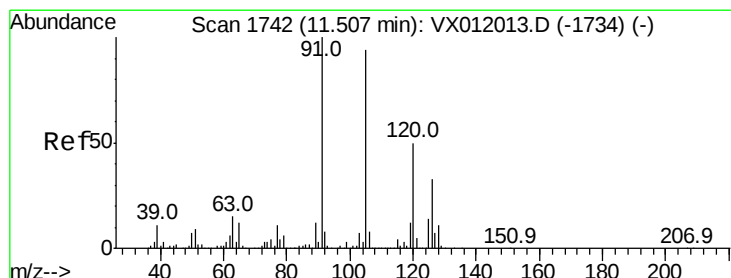
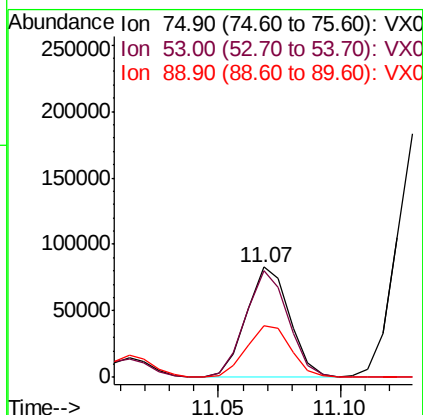
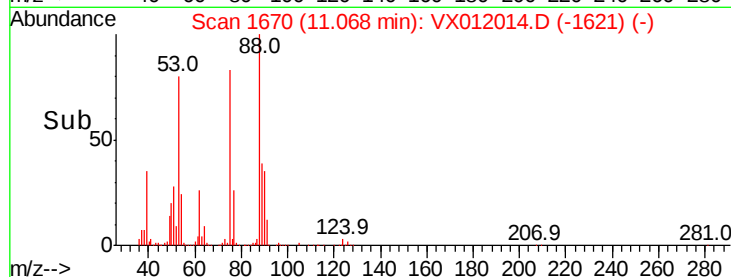
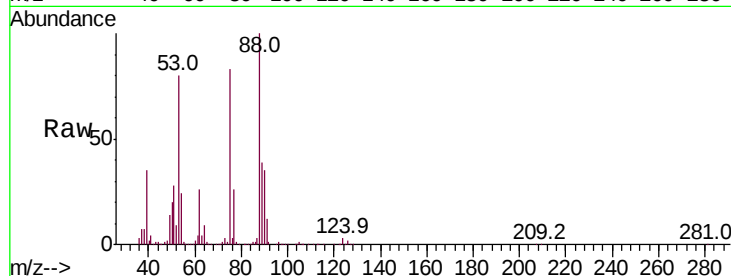
53 95.6 78.6 117.8

89 48.9 38.8 58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 94.466 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012014.D

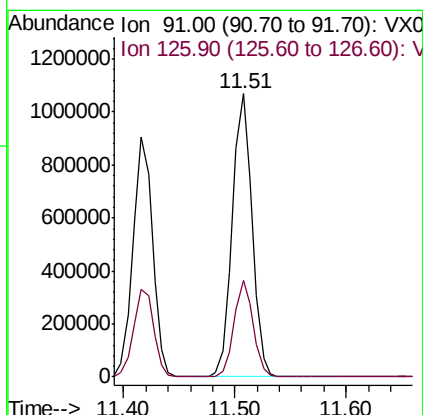
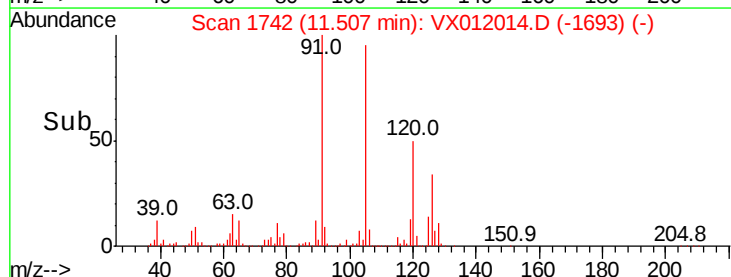
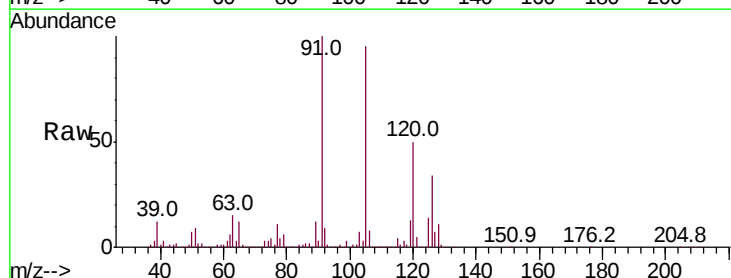
Acq: 02 Sep 2019 14:15

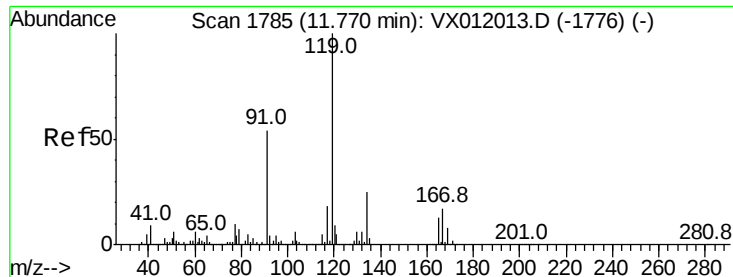
Tgt Ion: 91 Resp: 1312010

Ion Ratio Lower Upper

91 100

126 32.9 16.2 48.6





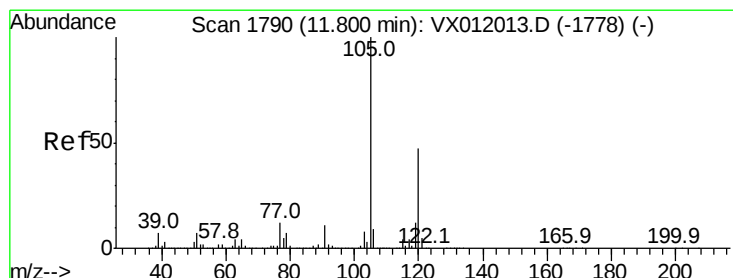
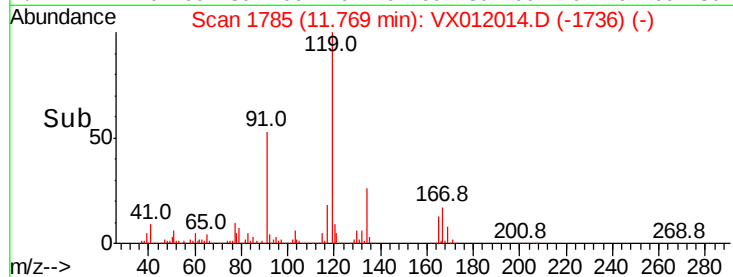
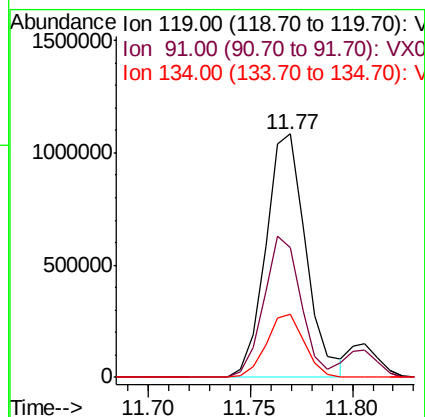
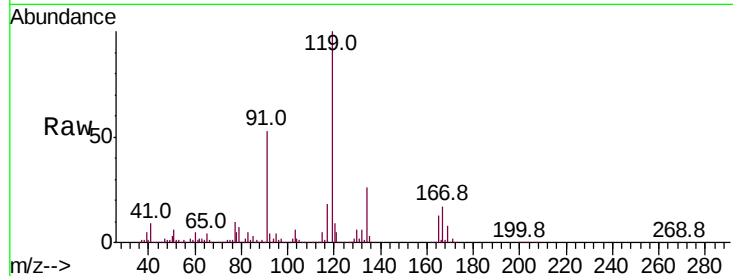
#83
 tert-Butylbenzene
 Concen: 99.742 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion:	119	Resp:	1486057
Ion Ratio	Lower	Upper	
119	100		
91	53.6	27.1	81.2
134	24.6	12.1	36.3

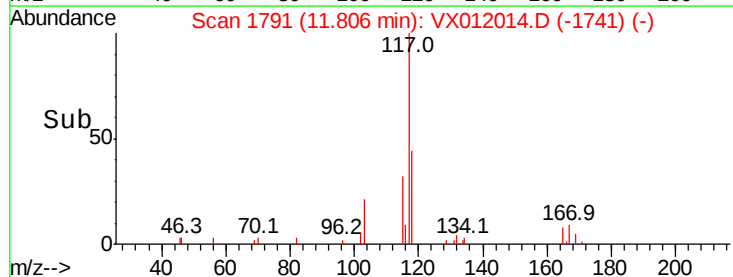
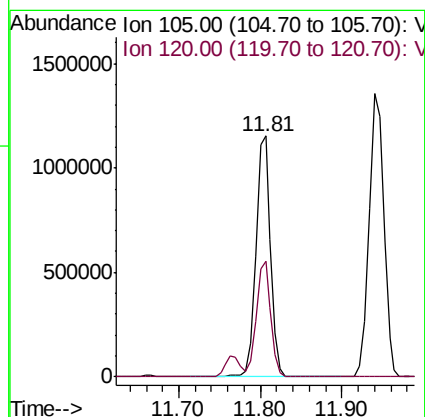
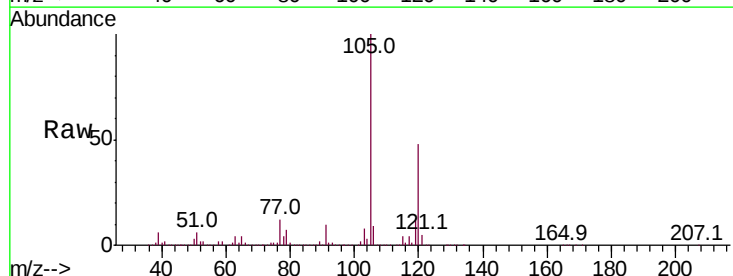
Manual Integrations
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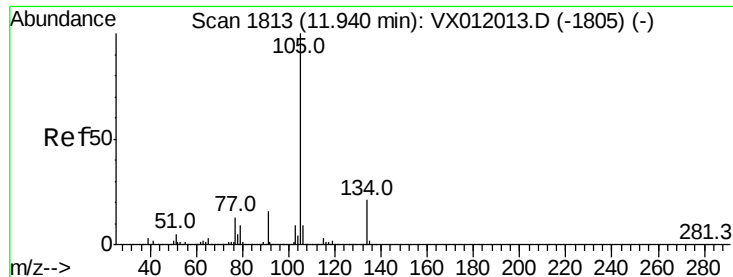
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 97.041 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Tgt Ion:	105	Resp:	1452289
Ion Ratio	Lower	Upper	
105	100		
120	47.2	23.6	70.8





#85

sec-Butylbenzene

Concen: 97.629 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1683794

Ion Ratio Lower Upper

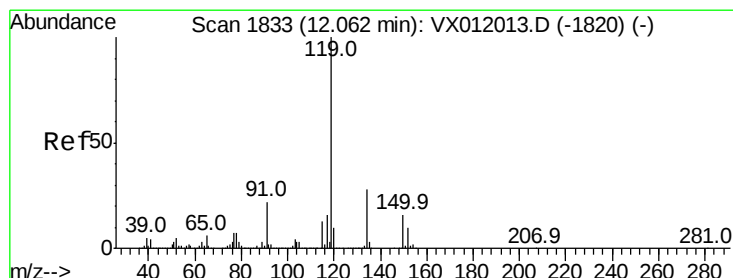
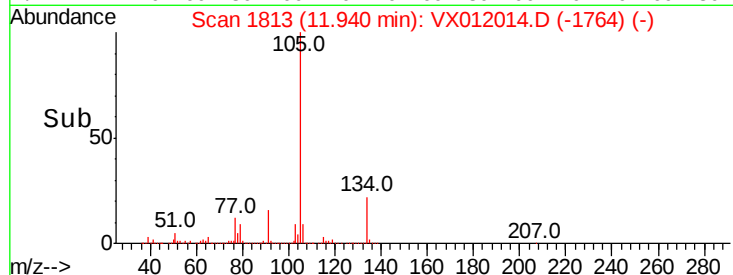
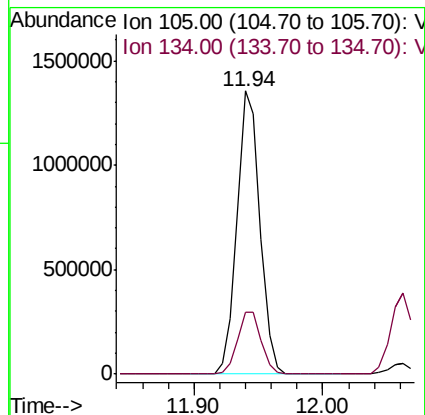
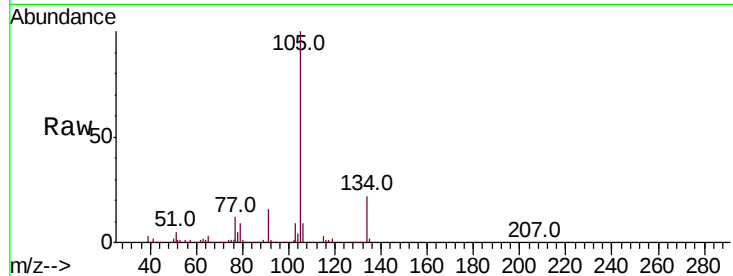
105 100

134 22.6 11.2 33.6

Manual Integrations
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sam

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#86

p-Isopropyltoluene

Concen: 99.177 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

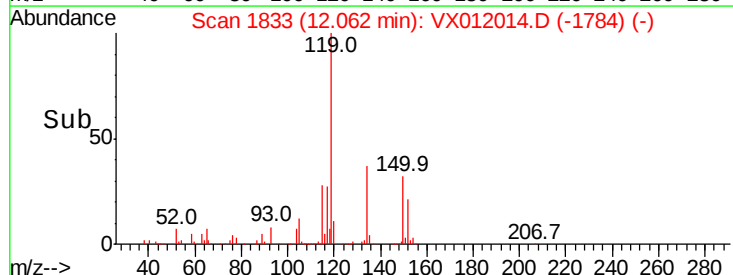
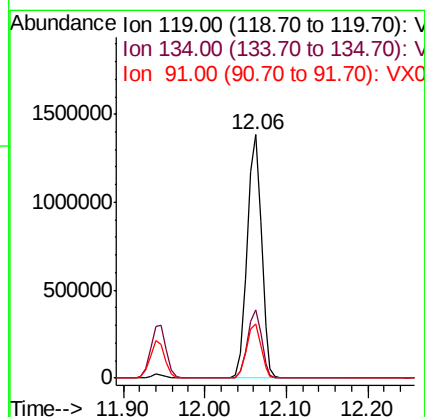
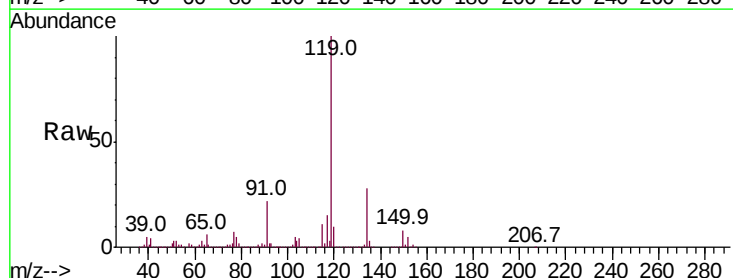
Tgt Ion:119 Resp: 1660311

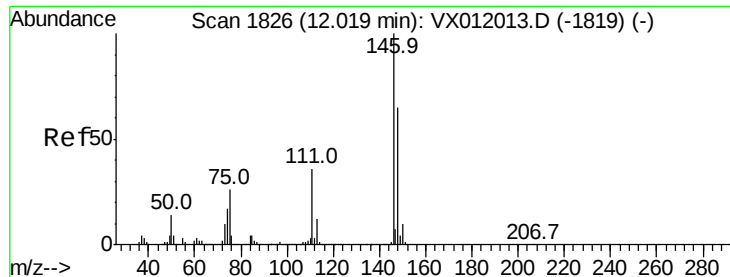
Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.1

91 22.6 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 99.533 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX012014.D

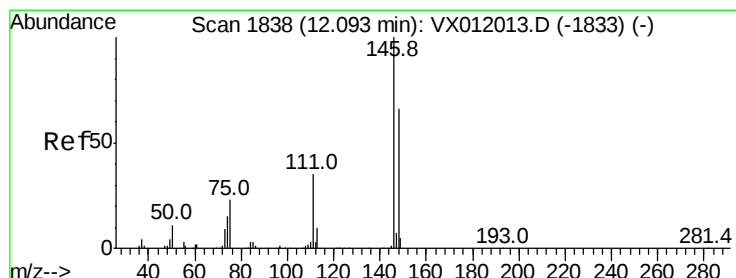
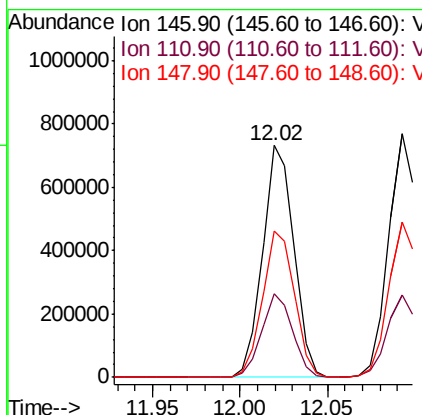
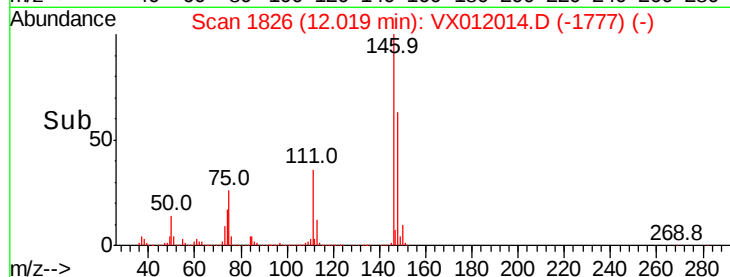
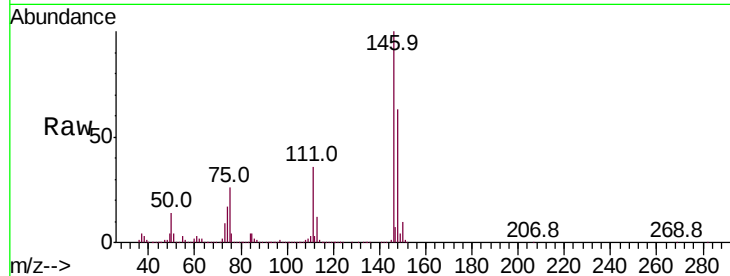
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.1
148	64.4	32.6	97.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 98.499 ug/l

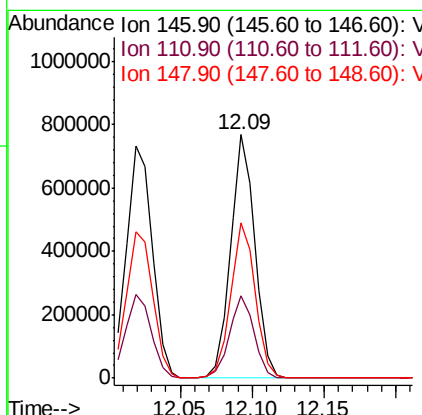
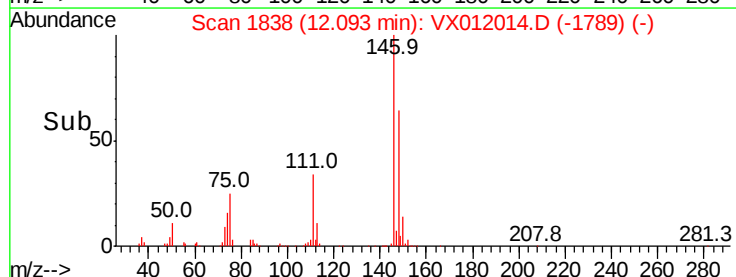
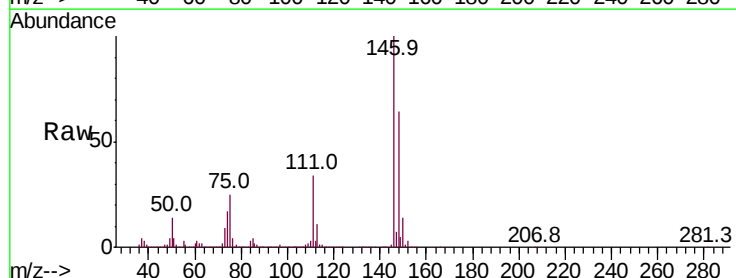
RT: 12.09 min Scan# 1838

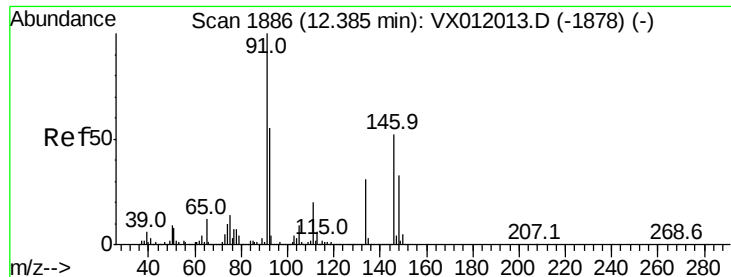
Delta R.T. -0.00 min

Lab File: VX012014.D

Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.7	53.1
148	64.5	32.4	97.0





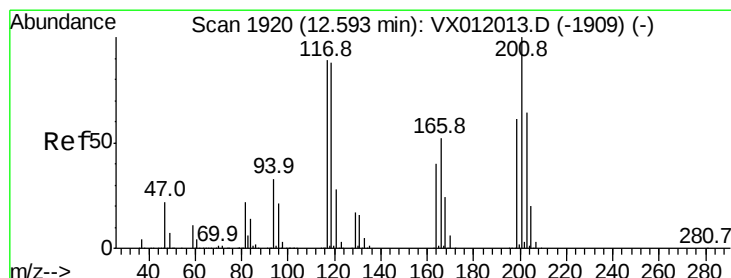
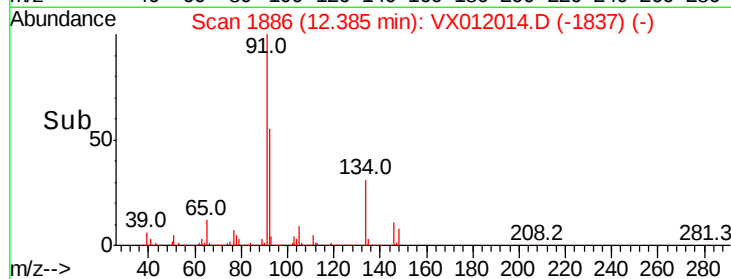
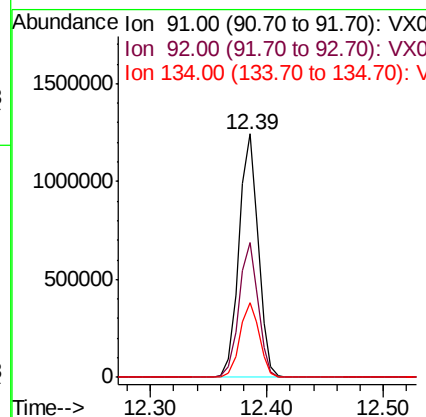
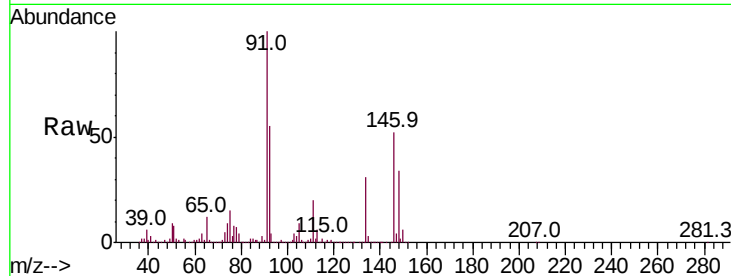
#89
n-Butylbenzene
Concen: 96.910 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.8
134	30.9	15.4	46.1

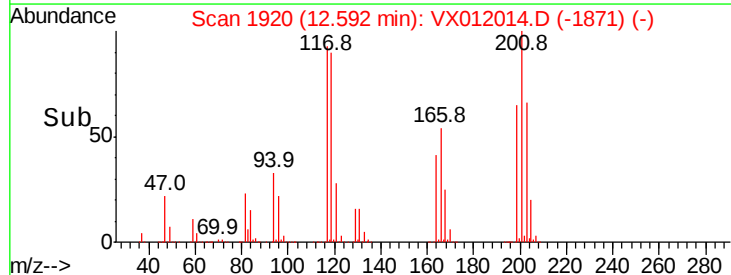
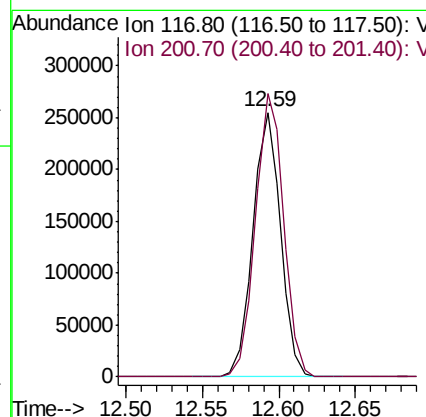
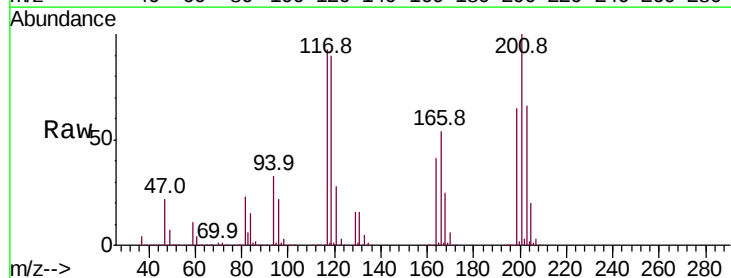
Manual Integrations
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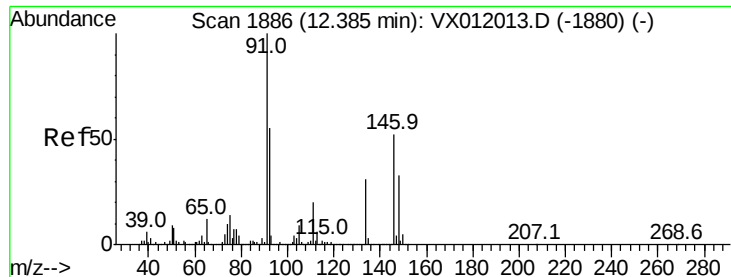
sam
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#90
Hexachloroethane
Concen: 98.541 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	109.9	55.0	165.2





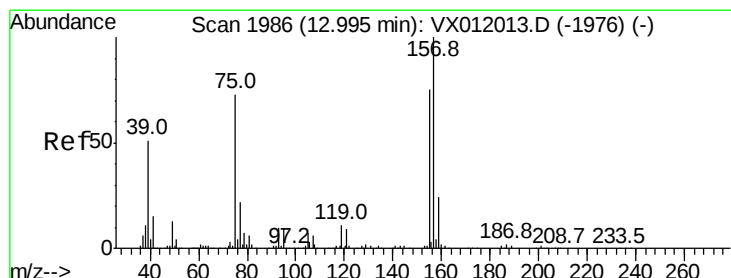
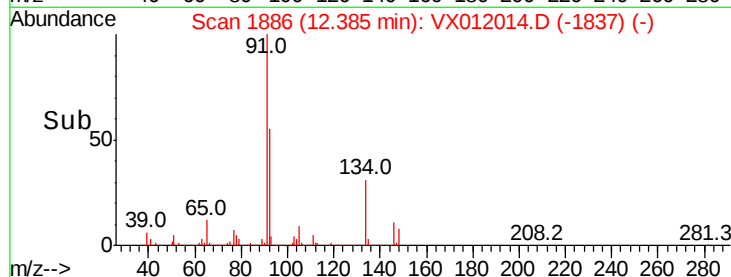
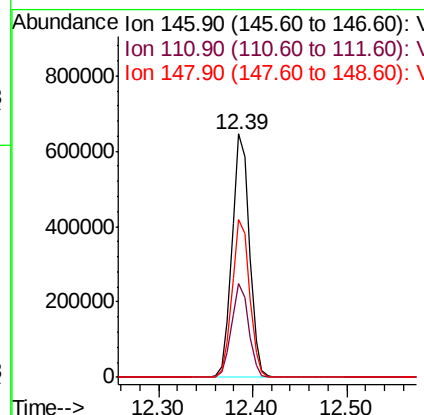
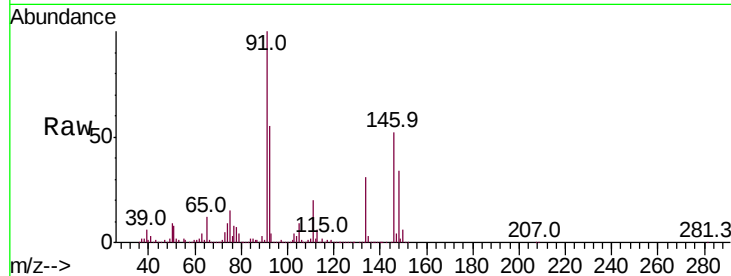
#91
 1,2-Dichlorobenzene
 Concen: 97.503 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	56.0
148	65.0	32.4	97.2

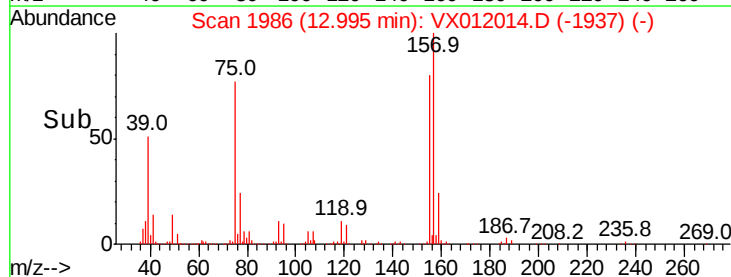
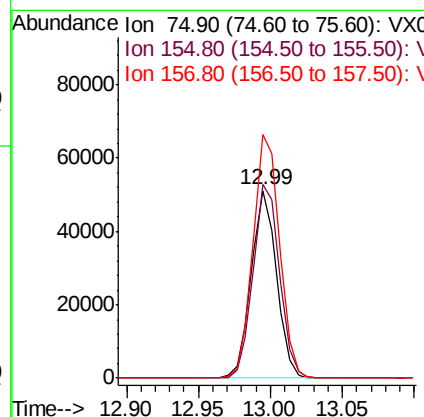
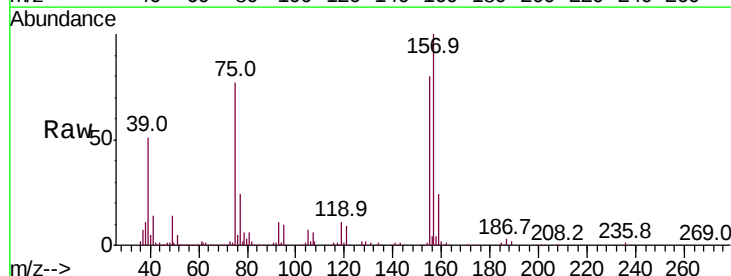
Manual Integrations
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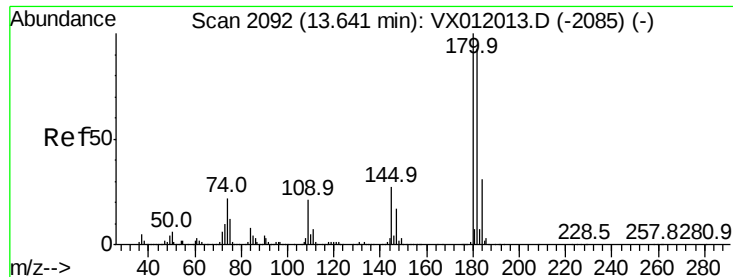
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 91.036 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.6	51.7	155.2
157	135.6	66.9	200.7





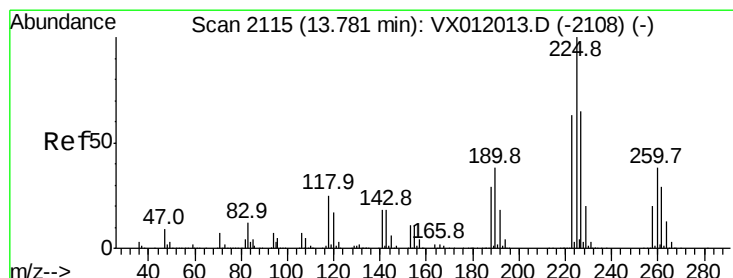
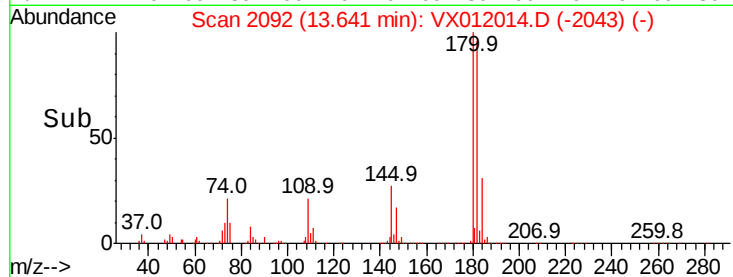
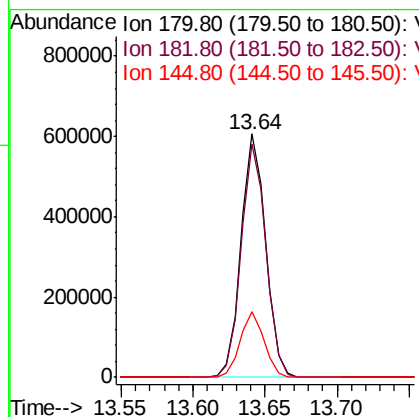
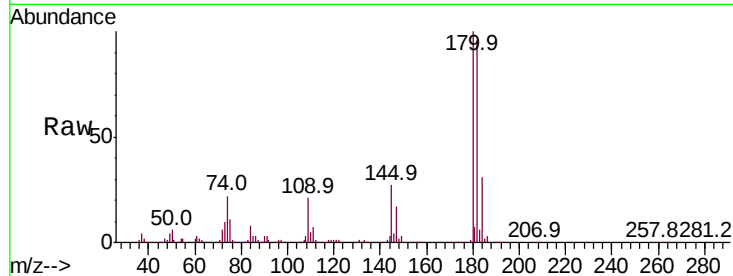
#93
 1,2,4-Trichlorobenzene
 Concen: 100.625 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	721038
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	142.0
145	26.5	13.7	41.0

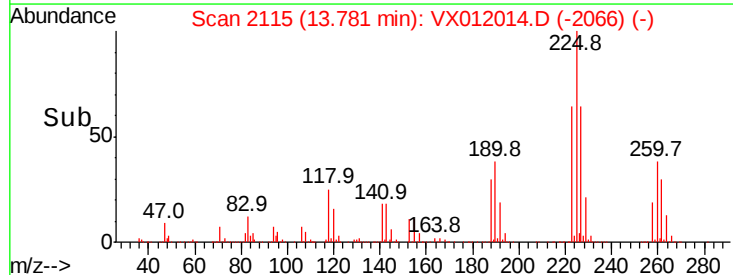
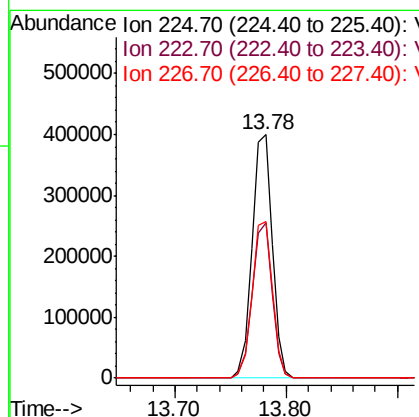
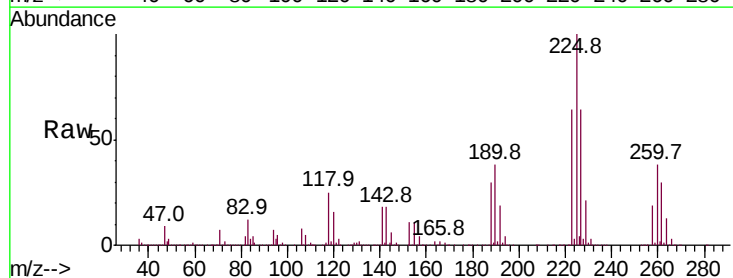
Manual Integrations
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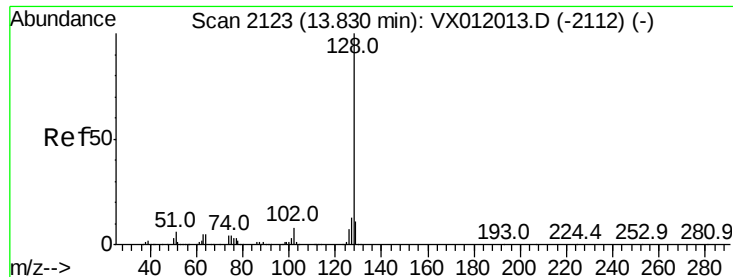
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#94
 Hexachlorobutadiene
 Concen: 104.022 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012014.D
 Acq: 02 Sep 2019 14:15

Tgt Ion:	225	Resp:	502571
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.6	95.0
227	64.6	32.5	97.5





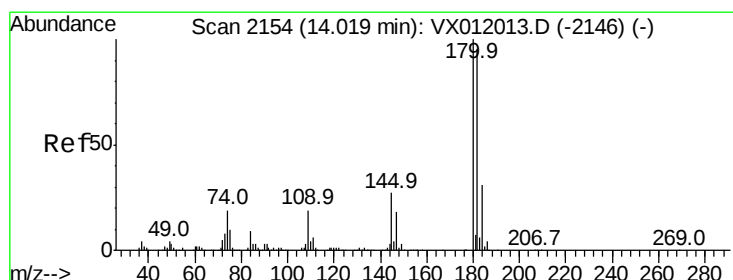
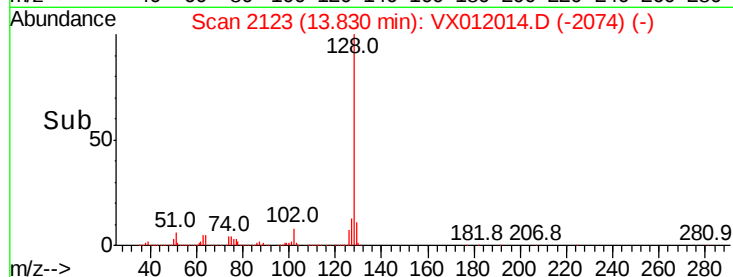
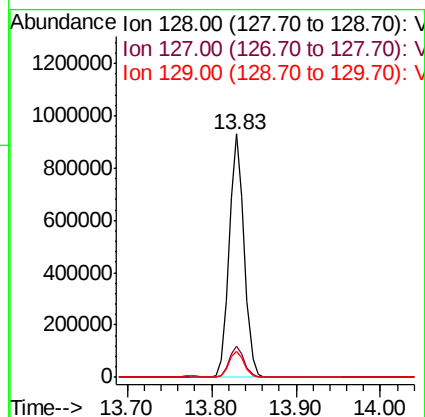
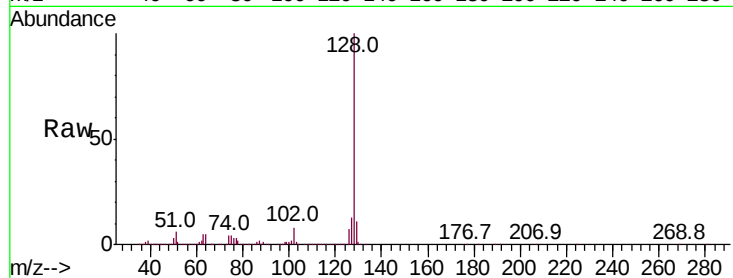
#95
Naphthalene
Concen: 92.549 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 97.421 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012014.D
Acq: 02 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	28.4	14.1	42.4

