

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO083019\
 Data File : VX011920.D
 Acq On : 30 Aug 2019 21:46
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:41:10 AM

Quant Time: Aug 31 03:07:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	311004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	447778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	425920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	253337	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	149702	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
35) Dibromofluoromethane	5.48	113	139270	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	8.71	98	496002	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.14	95	208213	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	92488	49.273	ug/l	99
3) Chloromethane	1.31	50	111084	51.050	ug/l	99
4) Vinyl Chloride	1.40	62	104870	50.471	ug/l	99
5) Bromomethane	1.62	94	76556	53.249	ug/l	99
6) Chloroethane	1.71	64	69859	54.021	ug/l	99
7) Trichlorofluoromethane	1.92	101	183484	50.847	ug/l	99
8) Diethyl Ether	2.17	74	67740	54.622	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	120869	51.393	ug/l	100
10) Methyl Iodide	2.50	142	128017	49.866	ug/l	98
11) Tert butyl alcohol	3.03	59	81577	284.568	ug/l	99
12) 1,1-Dichloroethene	2.36	96	114657	52.491	ug/l	99
13) Acrolein	2.28	56	33508	234.845	ug/l	97
14) Allyl chloride	2.72	41	223078	54.443	ug/l	99
15) Acrylonitrile	3.12	53	197922	290.551	ug/l	99
16) Acetone	2.43	43	172113	268.460	ug/l	99
17) Carbon Disulfide	2.56	76	324175	51.741	ug/l	99
18) Methyl Acetate	2.76	43	107751	60.715	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	402941	56.941	ug/l	97
20) Methylene Chloride	2.84	84	152901	56.535	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	139948	54.390	ug/l	99
22) Diisopropyl ether	3.84	45	465429	55.641	ug/l	97
23) Vinyl Acetate	3.80	43	1499778	278.872	ug/l	100
24) 1,1-Dichloroethane	3.68	63	255203	55.325	ug/l	100
25) 2-Butanone	4.65	43	267797	286.796	ug/l	99
26) 2,2-Dichloropropane	4.56	77	202978	52.464	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	171169	56.477	ug/l	100
28) Bromochloromethane	5.00	49	111202	53.725	ug/l	99
29) Tetrahydrofuran	5.11	42	169167	290.258	ug/l	100
30) Chloroform	5.19	83	276690	56.099	ug/l	97
31) Cyclohexane	5.56	56	181402	48.756	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	239238	54.605	ug/l	100
36) 1,1-Dichloropropene	5.78	75	183209	51.645	ug/l	99
37) Ethyl Acetate	4.81	43	116263	55.366	ug/l	99
38) Carbon Tetrachloride	5.77	117	213708	51.943	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	202064	47.821	ug/l	99
40) Benzene	6.13	78	571022	53.926	ug/l	99
41) Methacrylonitrile	5.03	41	70971	57.401	ug/l	99
42) 1,2-Dichloroethane	6.18	62	200704	55.735	ug/l	100
43) Isopropyl Acetate	6.43	43	235726	55.368	ug/l	100
44) Trichloroethene	7.20	130	174611	53.295	ug/l	95
45) 1,2-Dichloropropane	7.50	63	149810	54.086	ug/l	97
46) Dibromomethane	7.65	93	91096	55.417	ug/l	99
47) Bromodichloromethane	7.89	83	224609	55.102	ug/l	99
48) Methyl methacrylate	7.76	41	117829	56.881	ug/l	99
49) 1,4-Dioxane	7.73	88	33909	1190.381	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	609675	281.890	ug/l	100
52) Toluene	8.78	92	379931	54.234	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	228048	54.617	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	255030	54.411	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	132199	54.933	ug/l	99
56) Ethyl methacrylate	9.17	69	183301	54.881	ug/l	100
57) 1,3-Dichloropropane	9.37	76	219661	54.993	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	421662	265.062	ug/l	98
59) 2-Hexanone	9.48	43	429928	279.842	ug/l	100
60) Dibromochloromethane	9.57	129	183103	56.650	ug/l	99
61) 1,2-Dibromoethane	9.67	107	133357	55.892	ug/l	100
64) Tetrachloroethene	9.33	164	186659	54.482	ug/l	99
65) Chlorobenzene	10.14	112	447736	54.247	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	182334	54.629	ug/l	99
67) Ethyl Benzene	10.25	91	748853	53.338	ug/l	100
68) m/p-Xylenes	10.35	106	584000	107.725	ug/l	100
69) o-Xylene	10.70	106	287806	54.480	ug/l	98
70) Styrene	10.71	104	512260	55.014	ug/l	100
71) Bromoform	10.85	173	132863	56.296	ug/l #	100
73) Isopropylbenzene	11.01	105	760216	52.226	ug/l	100
74) N-amyl acetate	10.89	43	226752	52.492	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	161821	54.320	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	141601m	56.820	ug/l	
77) Bromobenzene	11.25	156	229666	54.402	ug/l	98
78) n-propylbenzene	11.35	91	864415	52.369	ug/l	100
79) 2-Chlorotoluene	11.42	91	528033	53.147	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	666476	53.046	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	51730	52.147	ug/l	99
82) 4-Chlorotoluene	11.51	91	628798	52.461	ug/l	99
83) tert-Butylbenzene	11.77	119	678372	53.211	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	683293	53.066	ug/l	99
85) sec-Butylbenzene	11.94	105	771661	52.111	ug/l	100
86) p-Isopropyltoluene	12.06	119	760614	52.972	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	422037	53.790	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	425704	53.671	ug/l	99
89) n-Butylbenzene	12.39	91	658357	51.825	ug/l	99
90) Hexachloroethane	12.59	117	146606	52.777	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	393413	53.932	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32831	55.325	ug/l	98

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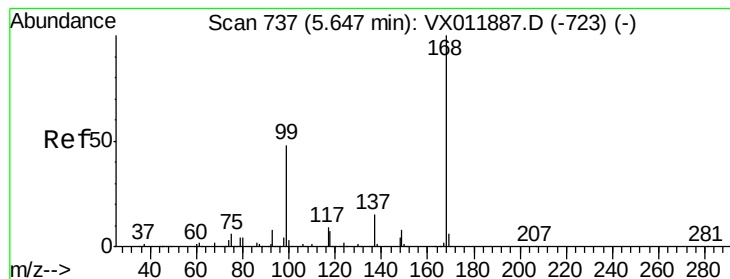
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	334221	54.414	ug/l	100
94) Hexachlorobutadiene	13.78	225	218474	53.261	ug/l	100
95) Naphthalene	13.83	128	579354	54.960	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	301551	54.291	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 311004

Ion Ratio Lower Upper

168 100

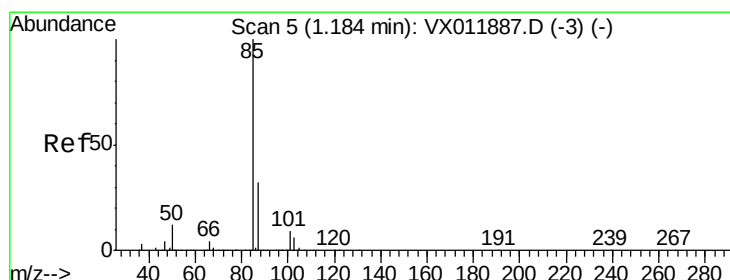
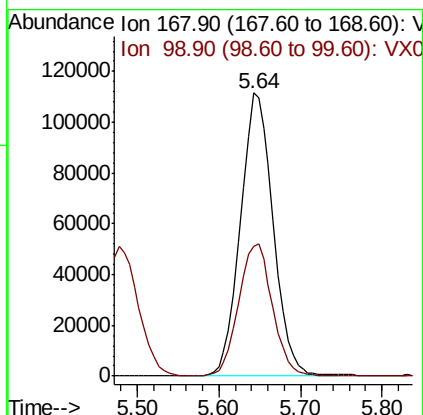
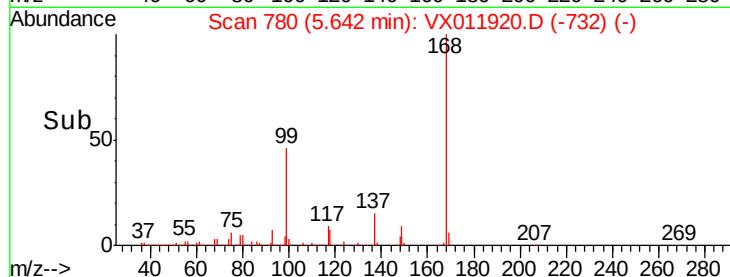
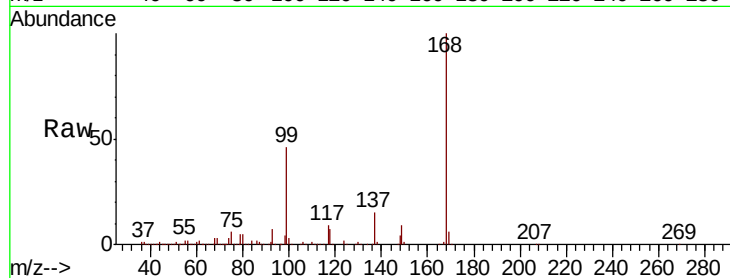
99 45.8 38.4 57.6

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#2

Dichlorodifluoromethane

Concen: 49.273 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011920.D

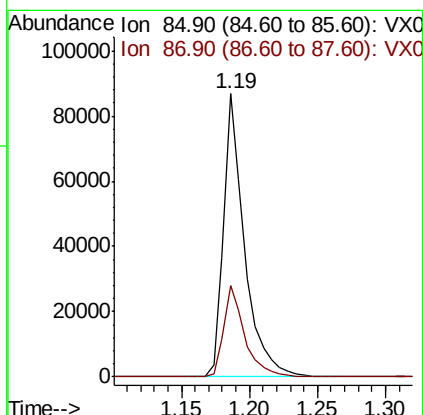
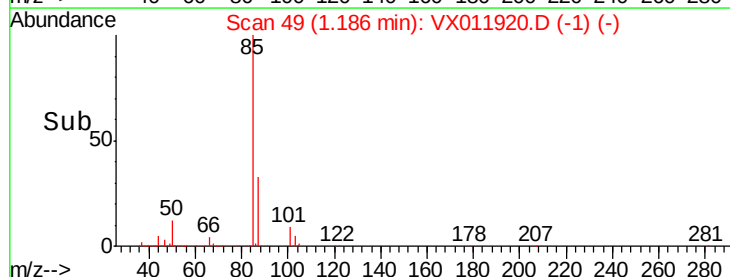
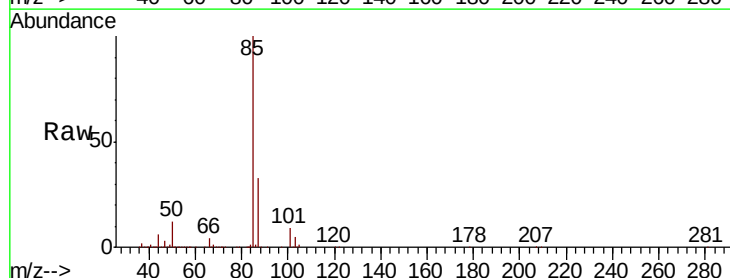
Acq: 30 Aug 2019 21:46

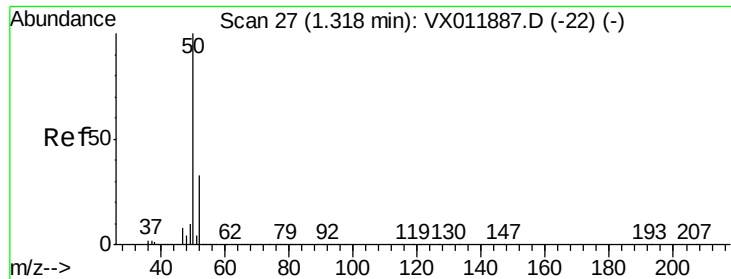
Tgt Ion: 85 Resp: 92488

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3





#3

Chloromethane

Concen: 51.050 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 111084

Ion Ratio Lower Upper

50 100

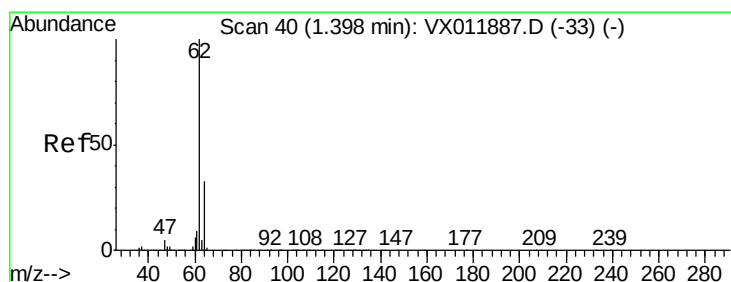
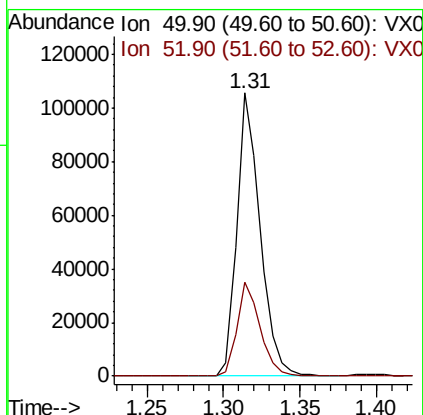
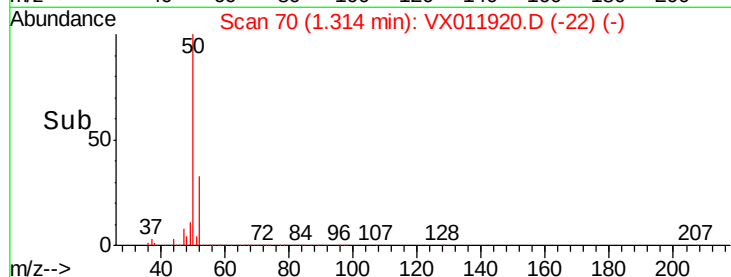
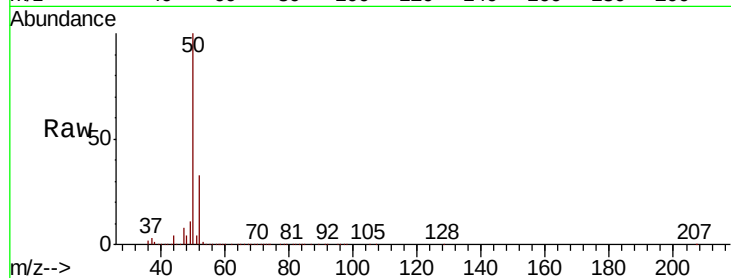
52 32.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.471 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX011920.D

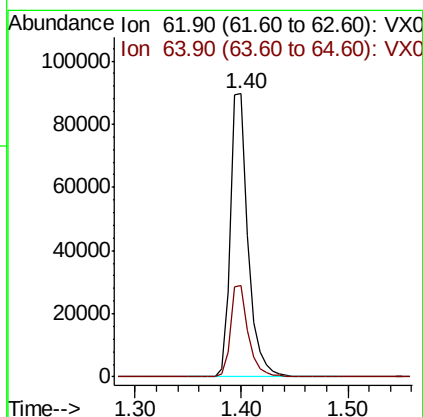
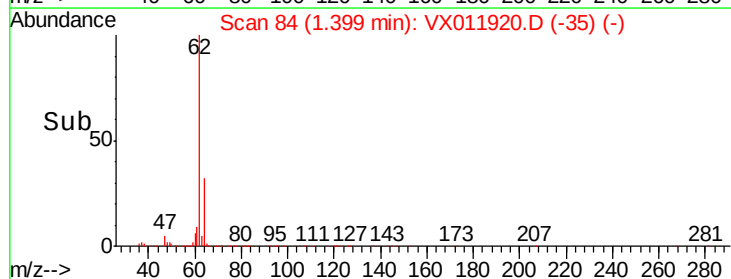
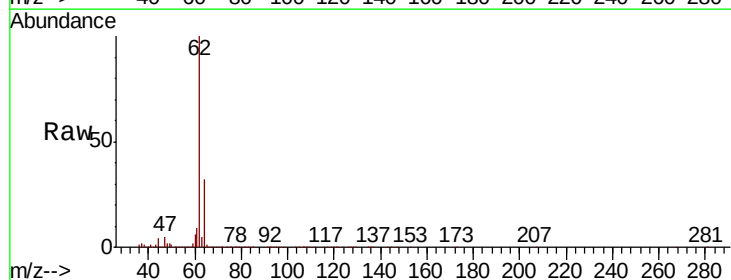
Acq: 30 Aug 2019 21:46

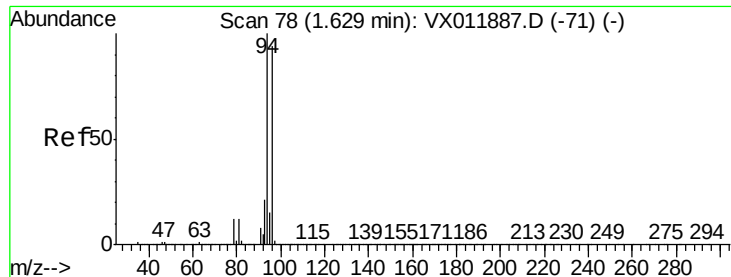
Tgt Ion: 62 Resp: 104870

Ion Ratio Lower Upper

62 100

64 32.1 26.0 39.0





#5

Bromomethane

Concen: 53.249 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 76556

Ion Ratio Lower Upper

94 100

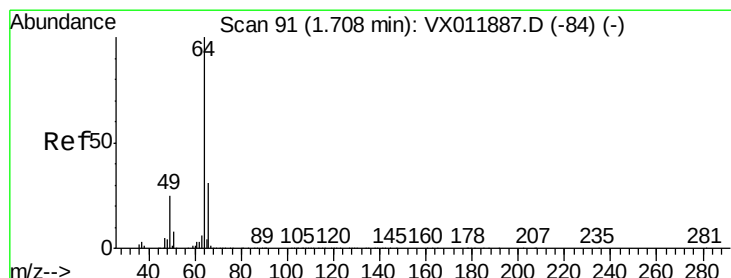
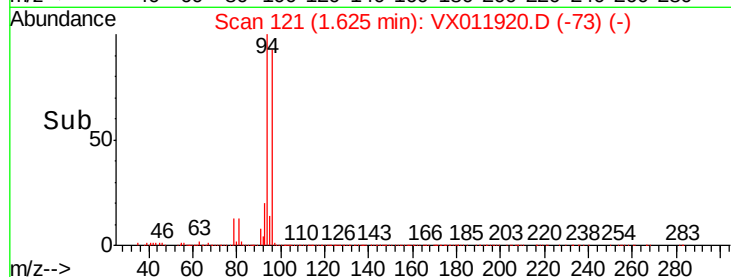
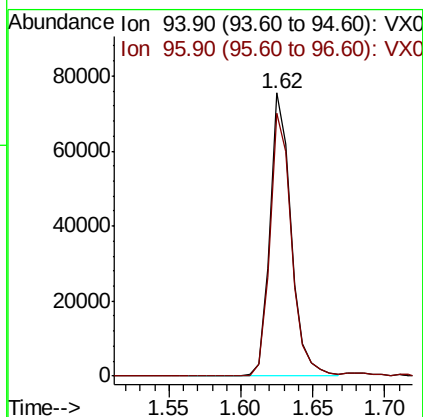
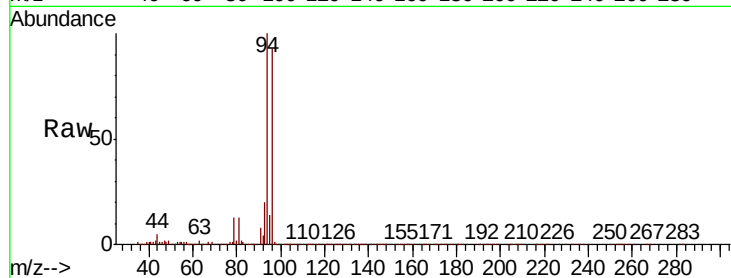
96 92.6 75.0 112.6

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#6

Chloroethane

Concen: 54.021 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX011920.D

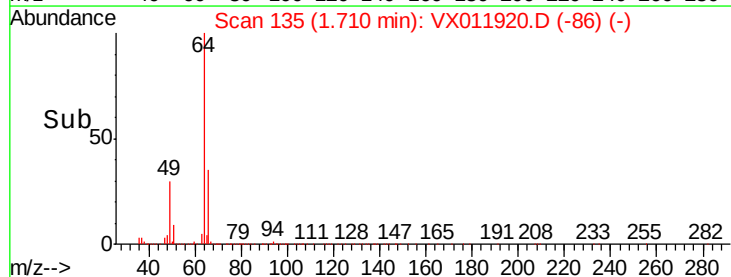
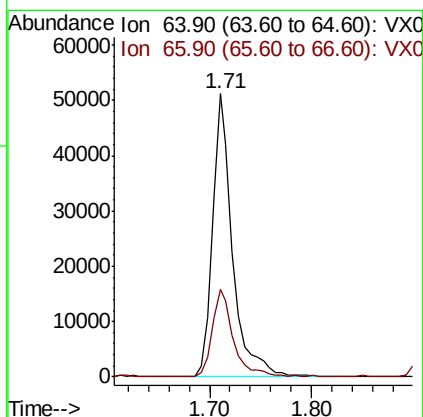
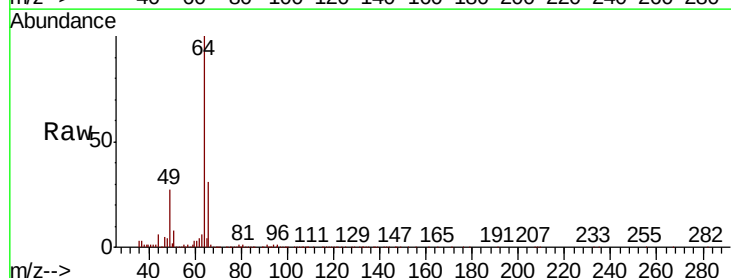
Acq: 30 Aug 2019 21:46

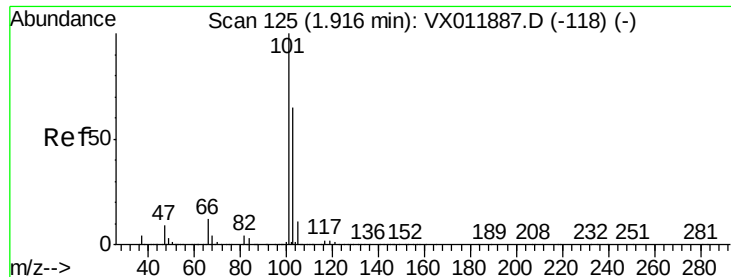
Tgt Ion: 64 Resp: 69859

Ion Ratio Lower Upper

64 100

66 30.8 25.0 37.4





#7

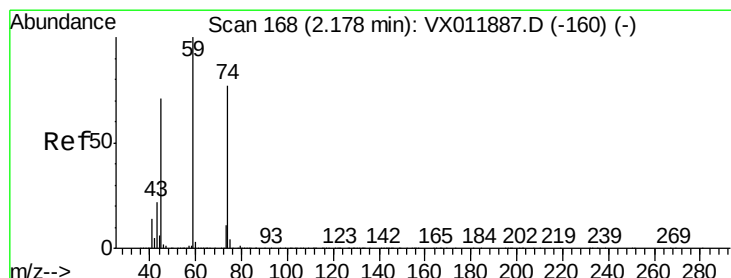
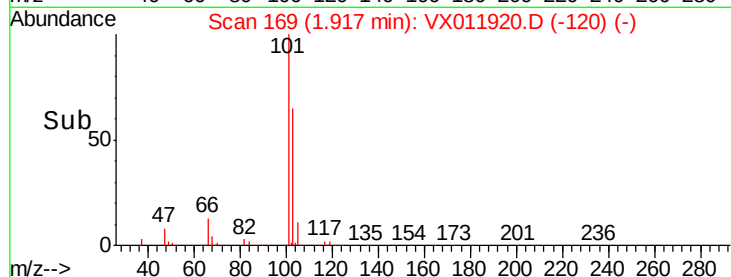
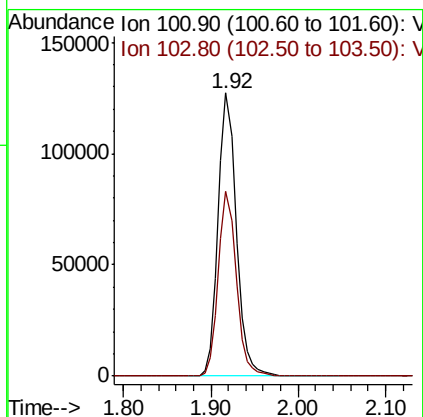
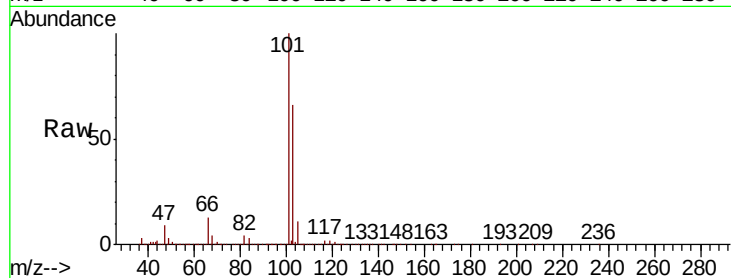
Trichlorofluoromethane
Concen: 50.847 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.6	77.4

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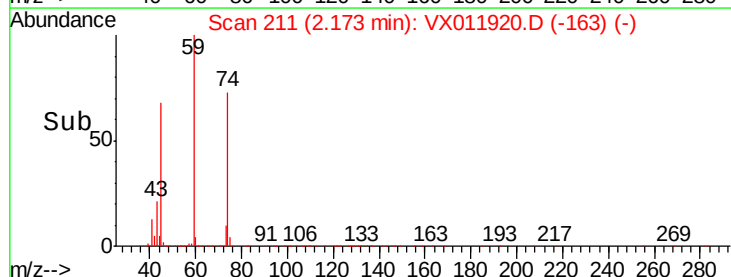
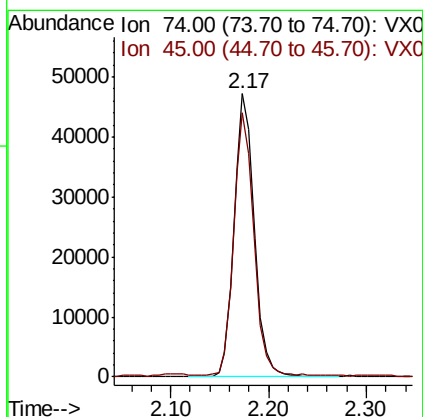
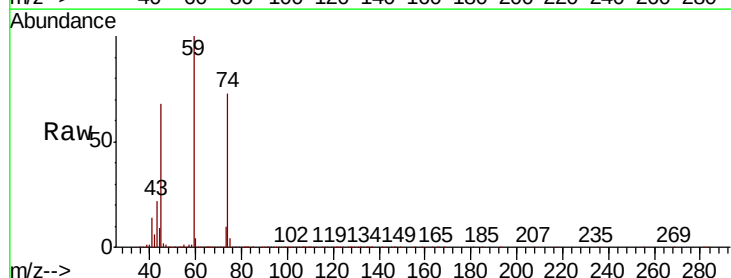
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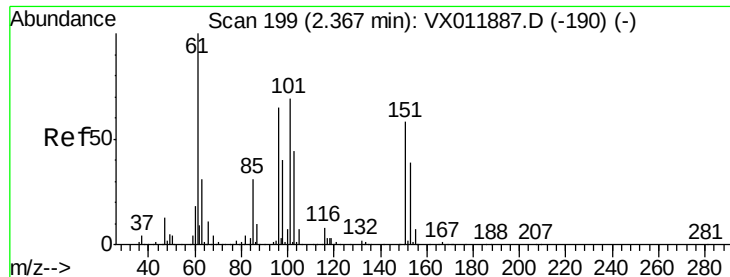


#8

Diethyl Ether
Concen: 54.622 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.393 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

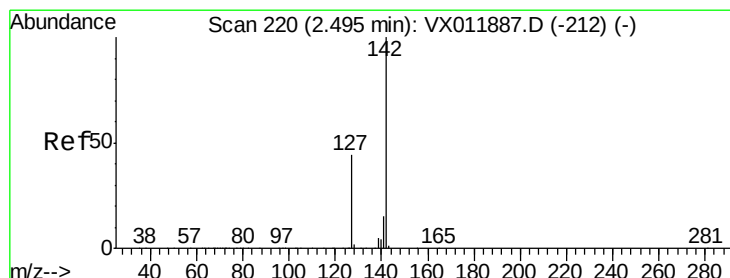
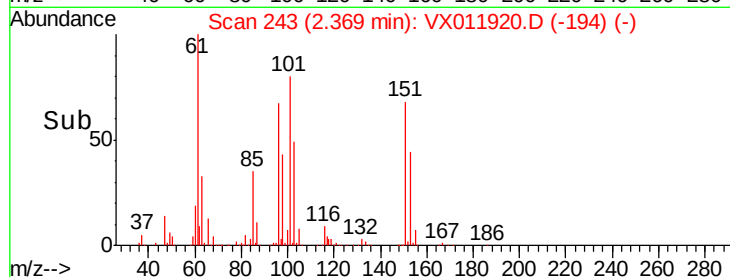
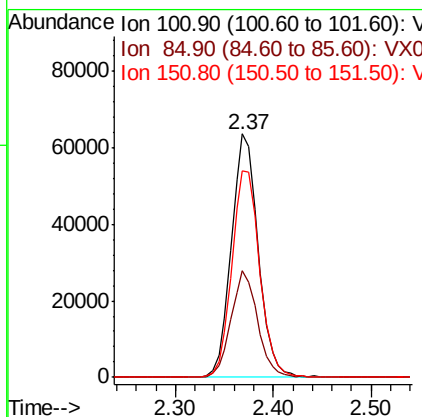
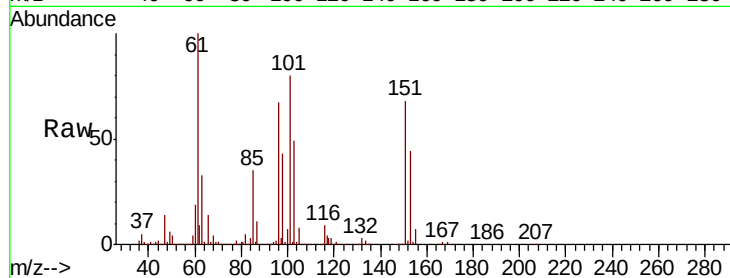
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	120869
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.9	52.3
151	88.4	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 49.866 ug/l

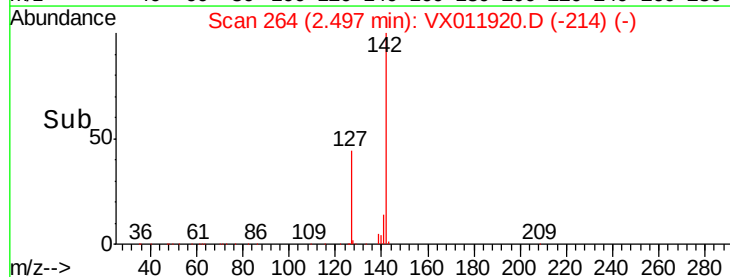
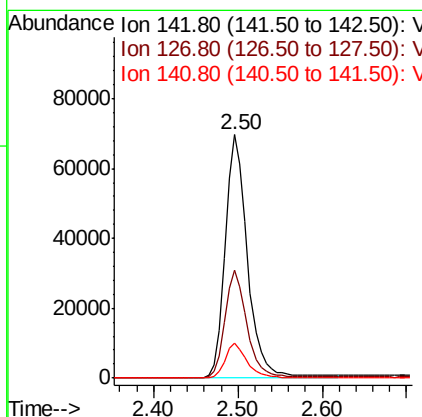
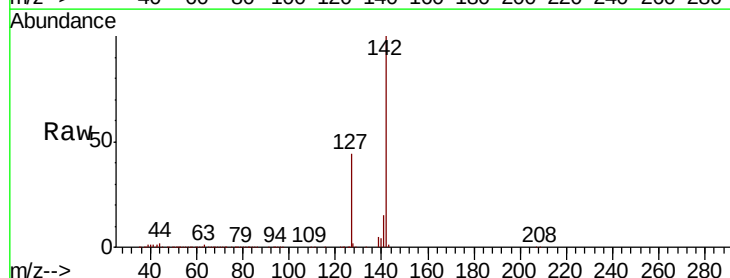
RT: 2.50 min Scan# 264

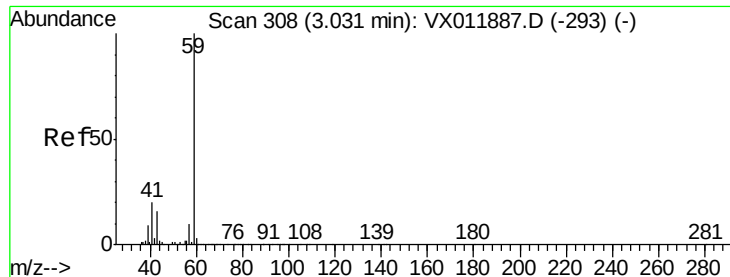
Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Tgt Ion:	142	Resp:	128017
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.7	53.5
141	14.0	11.8	17.6





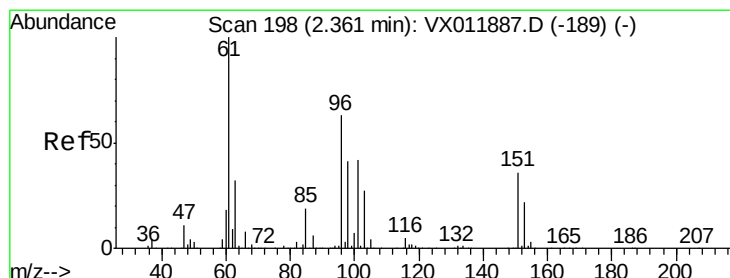
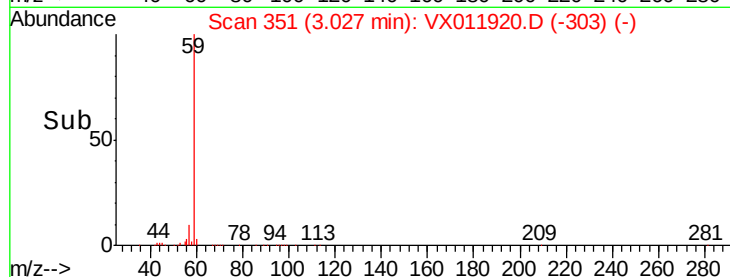
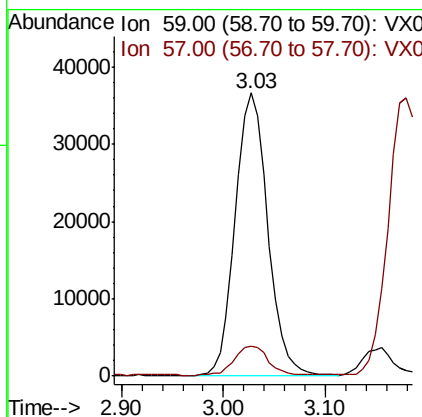
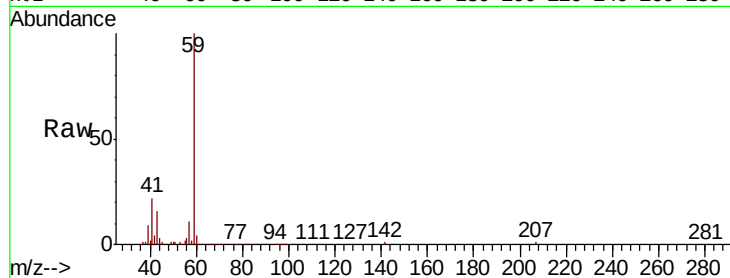
#11
Tert butyl alcohol
Concen: 284.568 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

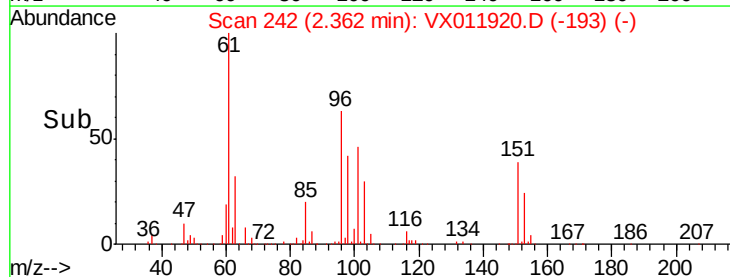
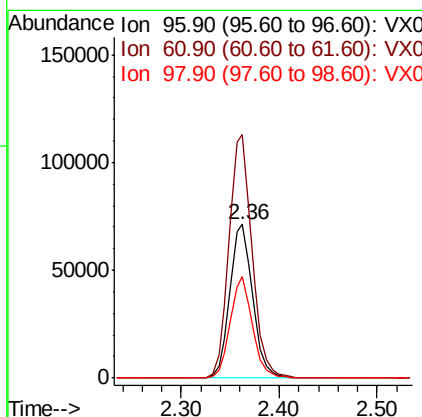
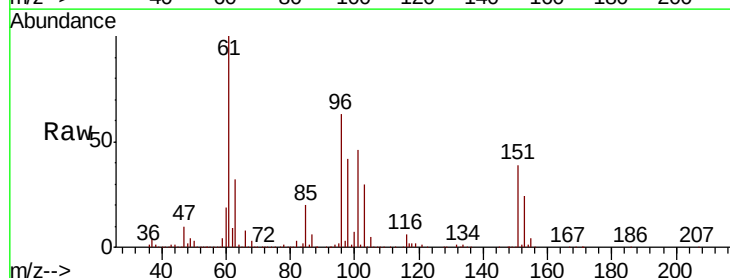
Manual Integrations
APPROVED

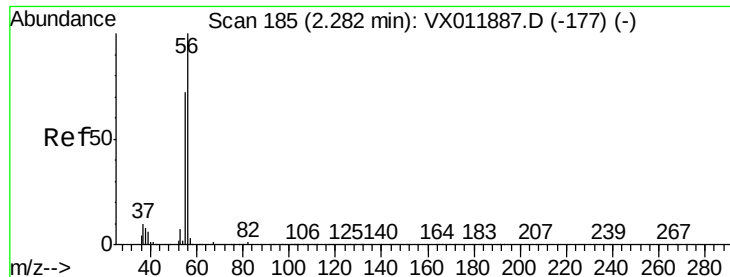
MMDadoda
9/3/2019 2:41:10 AM



#12
1,1-Dichloroethene
Concen: 52.491 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	126.6	190.0
98	66.0	51.6	77.4





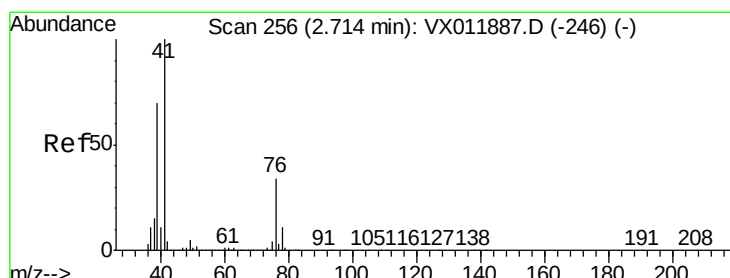
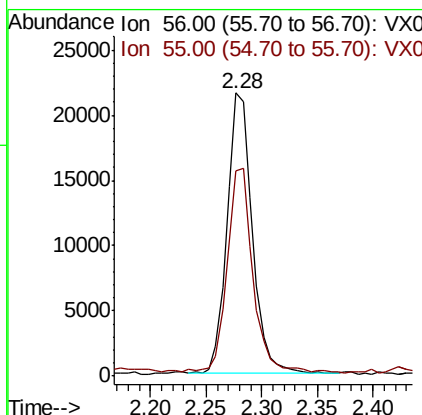
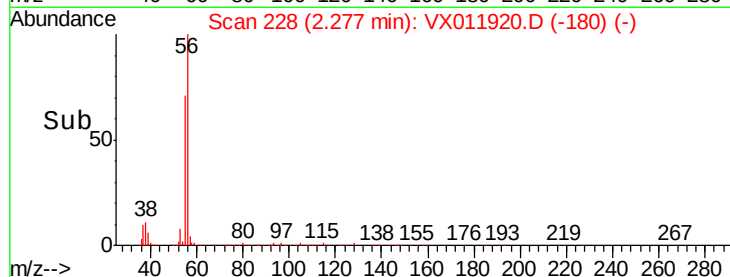
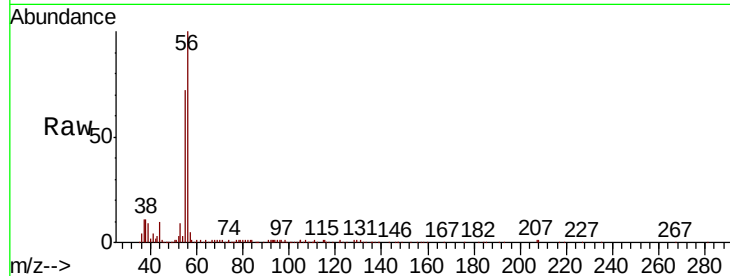
#13
Acrolein
Concen: 234.845 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	75.6	58.6	88.0

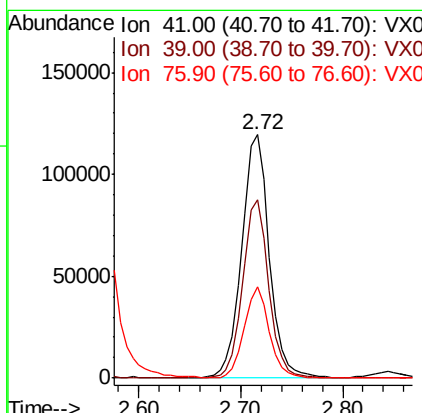
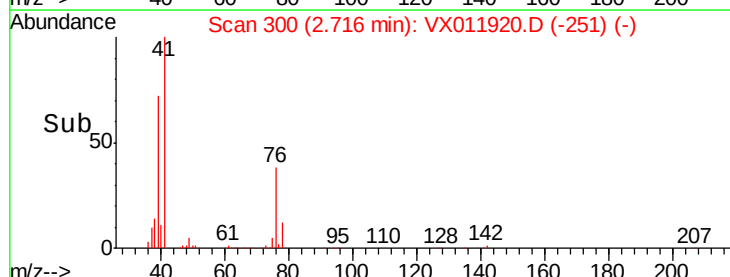
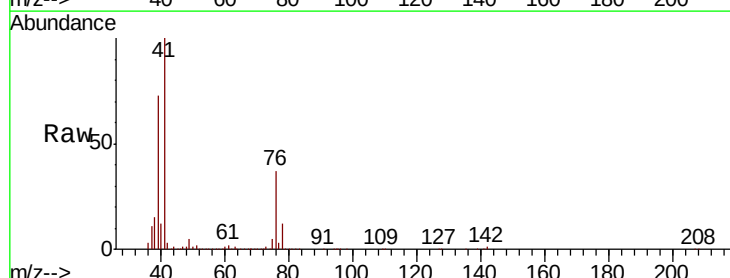
Manual Integrations
APPROVED

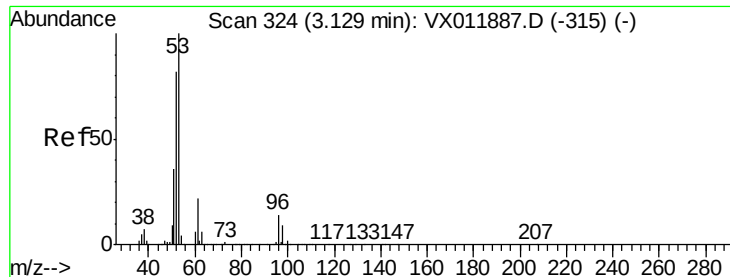
MMDadoda
9/3/2019 2:41:10 AM



#14
Allyl chloride
Concen: 54.443 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.2	55.0	82.6
76	34.1	27.0	40.4





#15

Acrylonitrile

Concen: 290.551 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

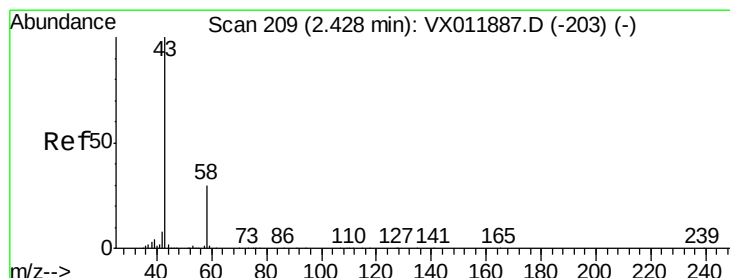
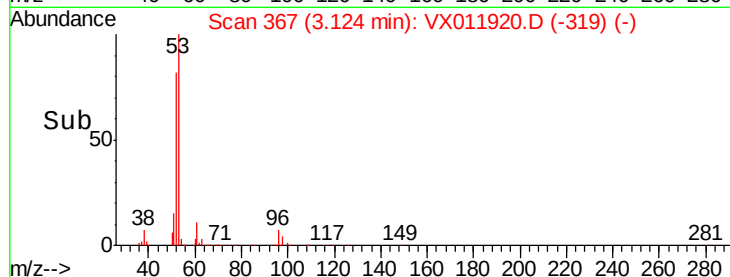
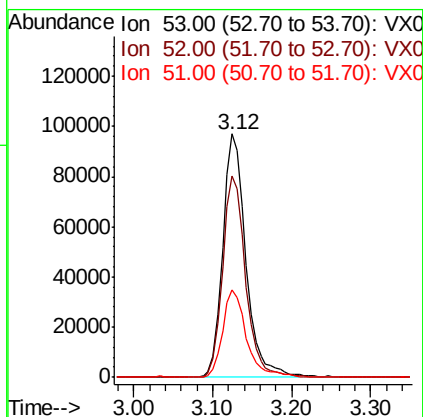
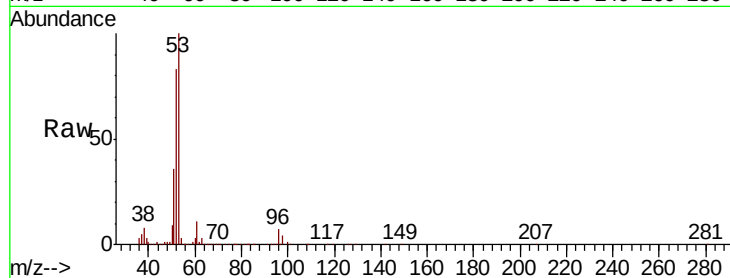
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	197922
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.3	97.9
51	36.9	29.4	44.2

Manual Integrations
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MMDadoda
9/3/2019 2:41:10 AM



#16

Acetone

Concen: 268.460 ug/l

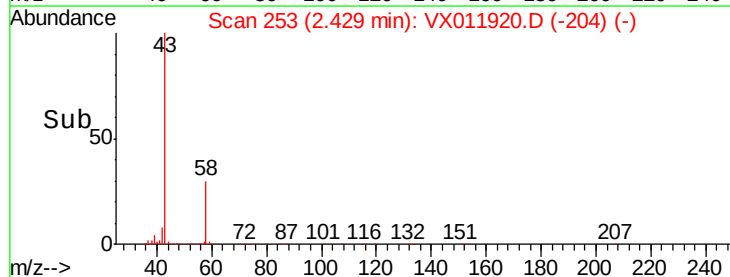
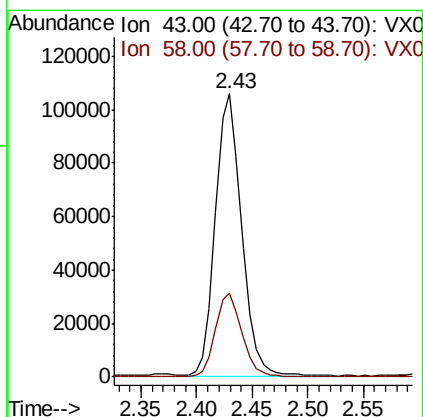
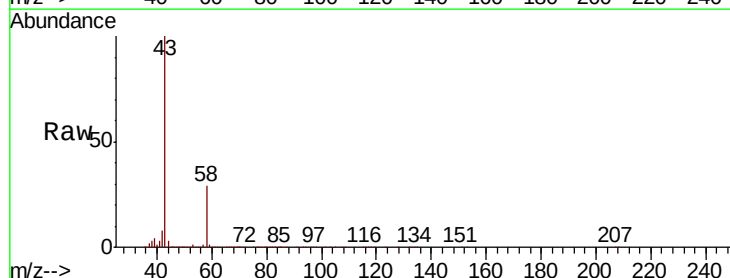
RT: 2.43 min Scan# 253

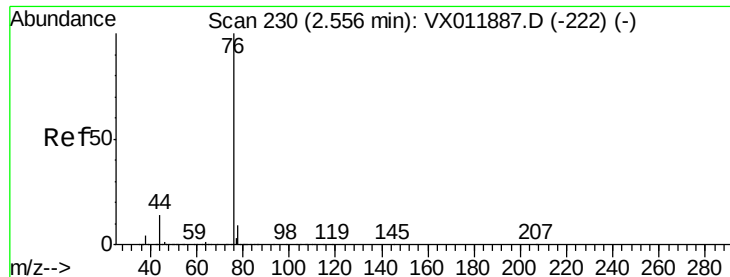
Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Tgt Ion:	43	Resp:	172113
Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.8	35.8





#17

Carbon Disulfide

Concen: 51.741 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 324175

Ion Ratio Lower Upper

76 100

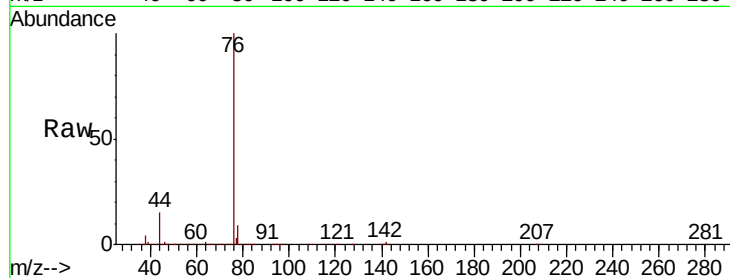
78 8.9 7.3 10.9

Manual Integrations

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9/3/2019 2:41:10 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

200000

150000

100000

50000

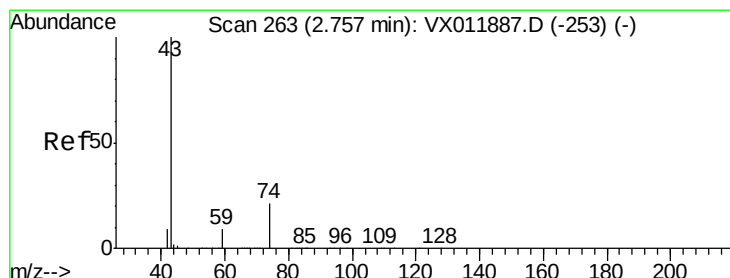
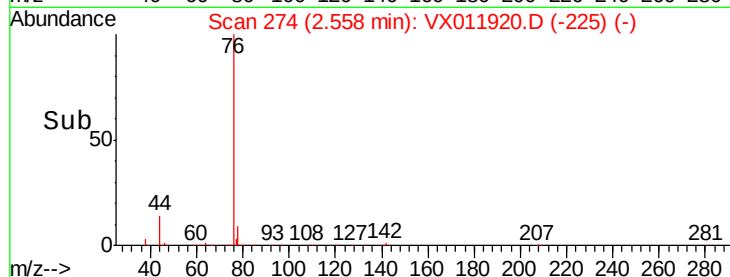
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 60.715 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX011920.D

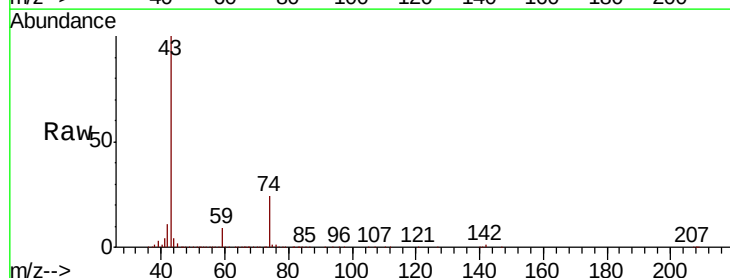
Acq: 30 Aug 2019 21:46

Tgt Ion: 43 Resp: 107751

Ion Ratio Lower Upper

43 100

74 23.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

60000

40000

20000

0

2.65

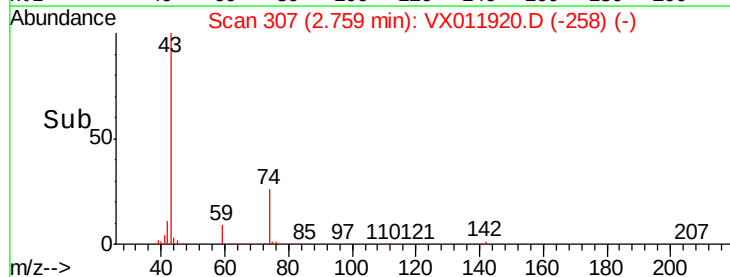
2.70

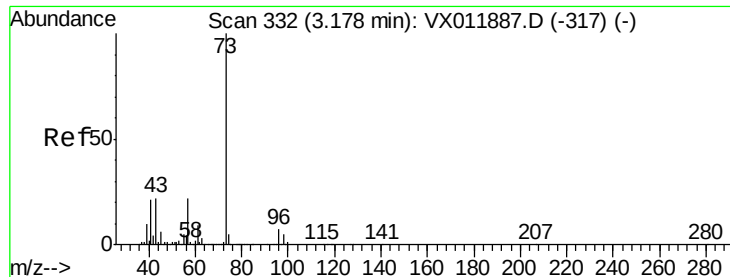
2.75

2.80

2.85

Time-->





#19

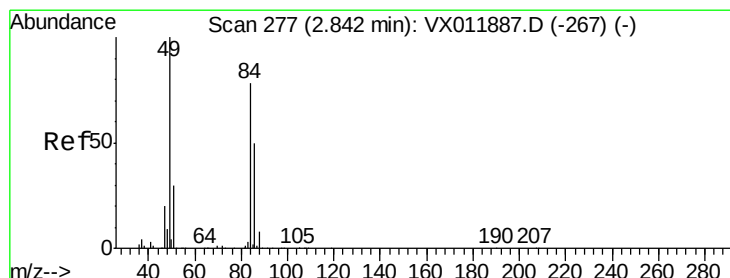
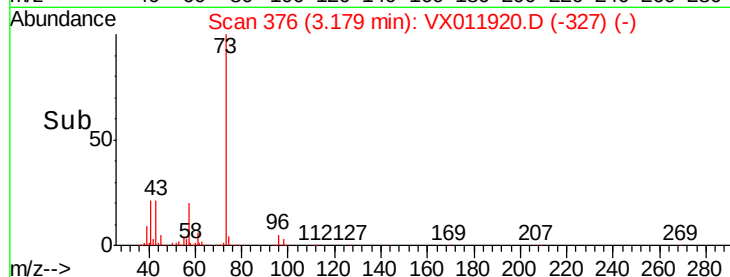
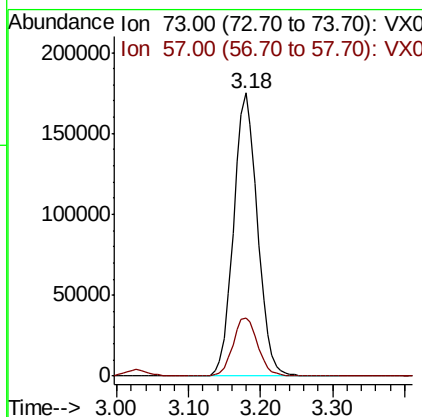
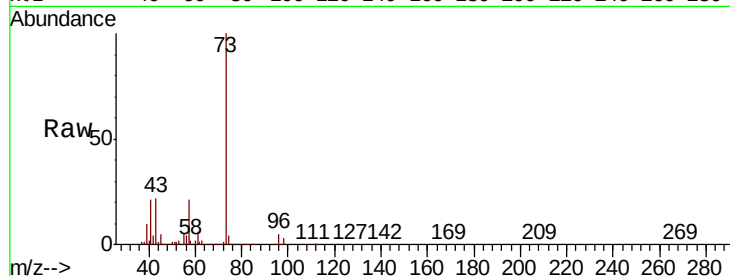
Methyl tert-butyl Ether
 Concen: 56.941 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.4	26.0

Manual Integrations
 APPROVED

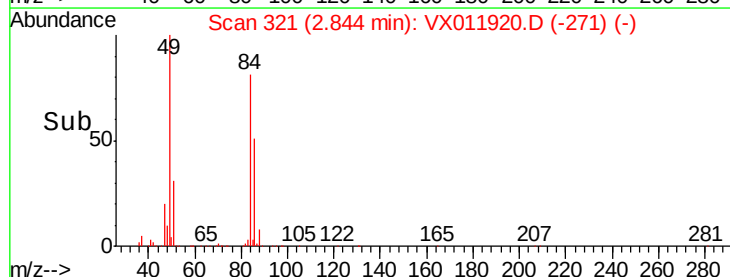
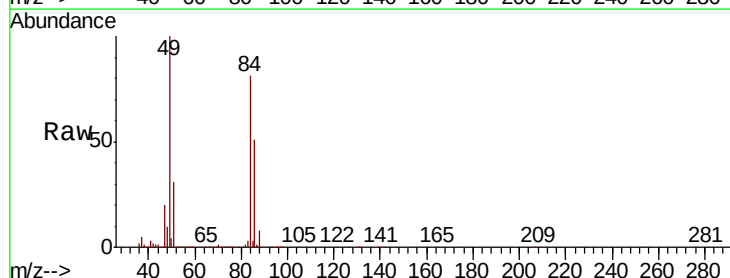
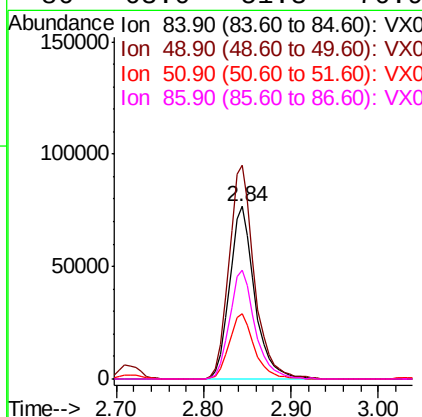
MMDadoda
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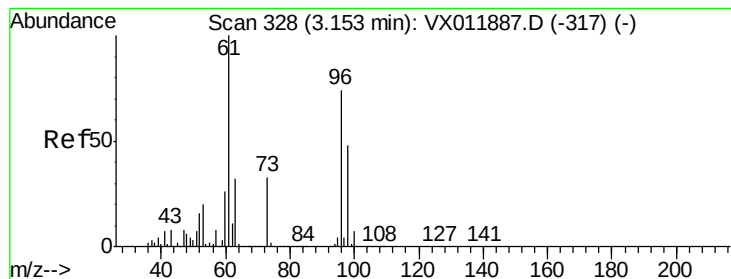


#20

Methylene Chloride
 Concen: 56.535 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	103.0	154.4
51	37.9	30.8	46.2
86	63.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 54.390 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 139948

Ion Ratio Lower Upper

96 100

61 134.2 107.4 161.2

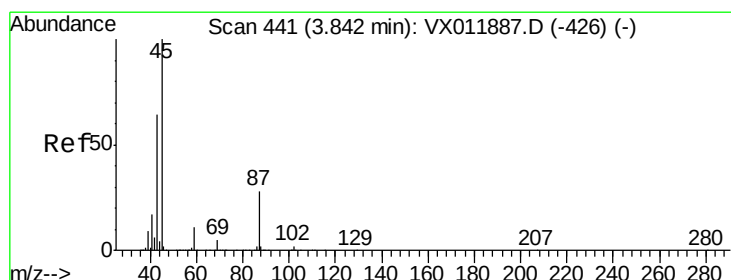
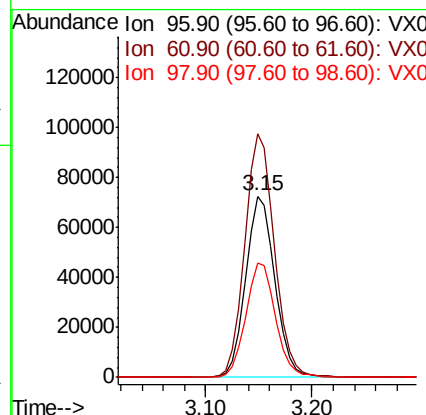
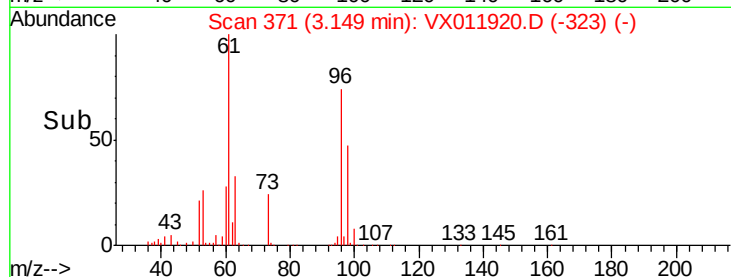
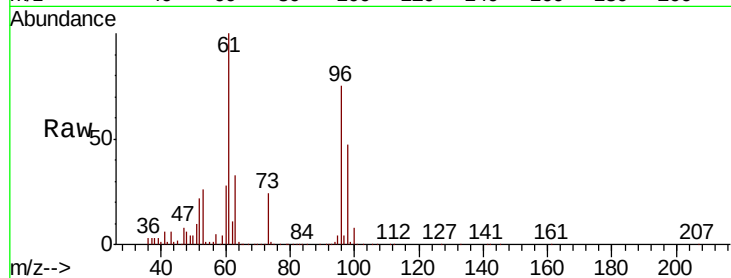
98 63.0 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

9/3/2019 2:41:10 AM



#22

Diisopropyl ether

Concen: 55.641 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Tgt Ion: 45 Resp: 465429

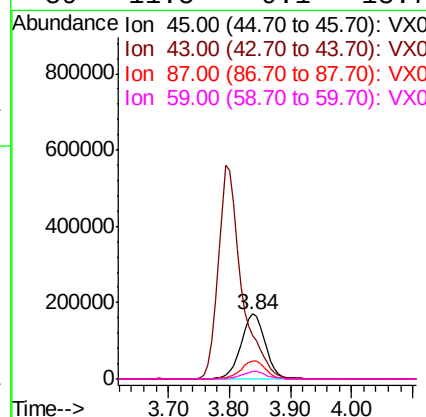
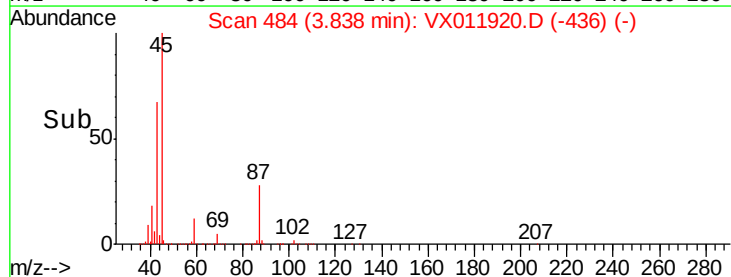
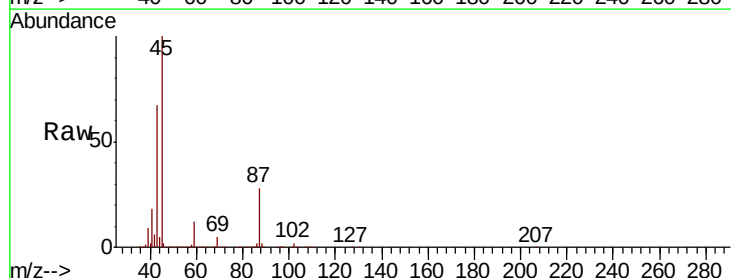
Ion Ratio Lower Upper

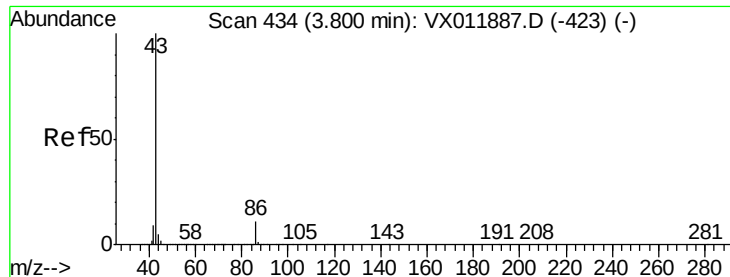
45 100

43 67.1 51.0 76.6

87 27.9 22.0 33.0

59 11.5 9.1 13.7





#23

Vinyl Acetate

Concen: 278.872 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1499778

Ion Ratio Lower Upper

43 100

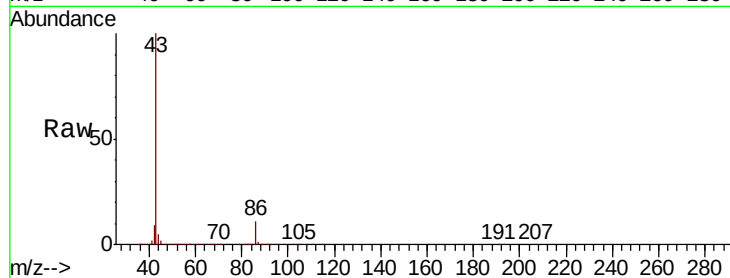
86 10.7 8.6 12.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

600000

500000

400000

300000

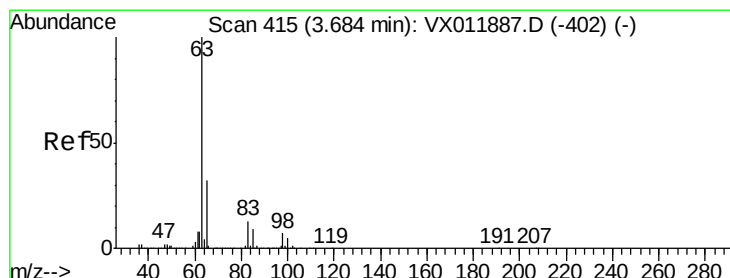
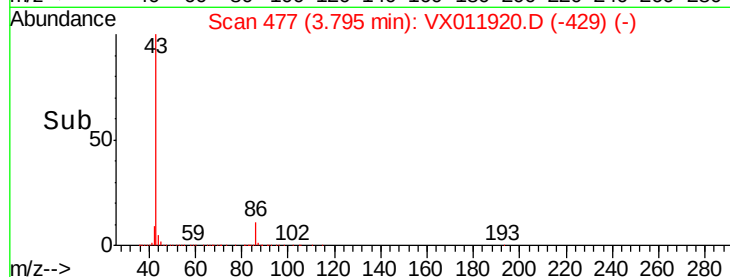
200000

100000

0

3.60 3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 55.325 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

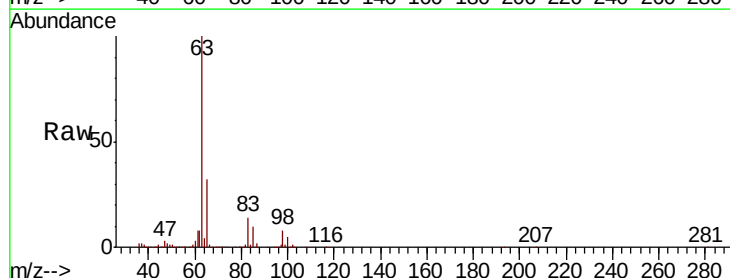
Tgt Ion: 63 Resp: 255203

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.2

100 4.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

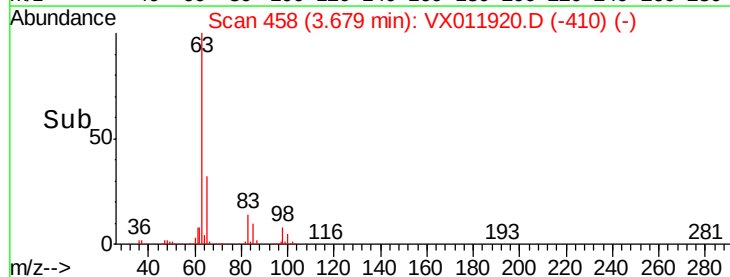
100000

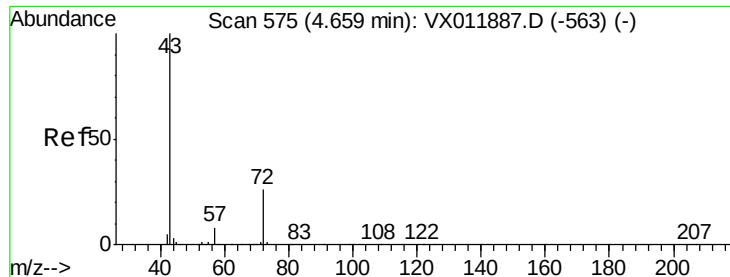
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 286.796 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 267797

Ion Ratio Lower Upper

43 100

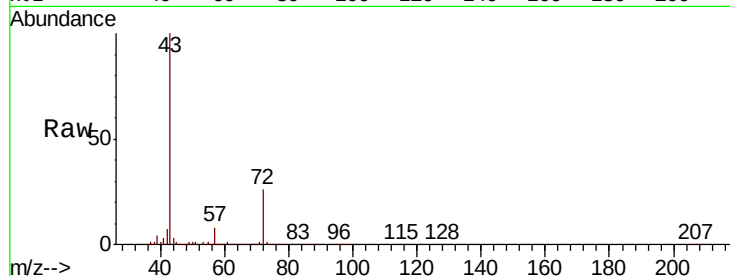
72 25.7 21.0 31.4

Manual Integrations

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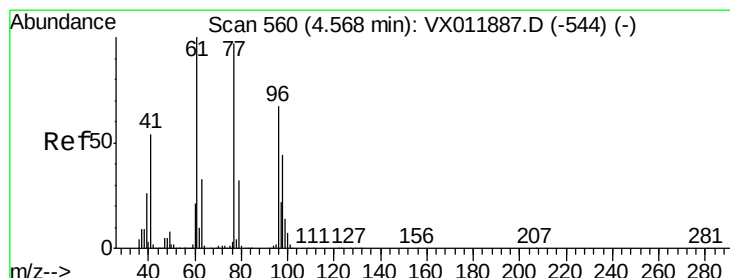
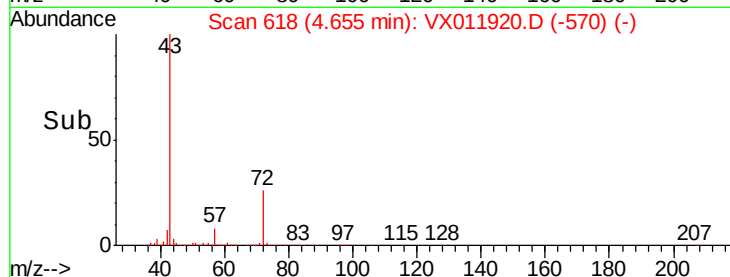
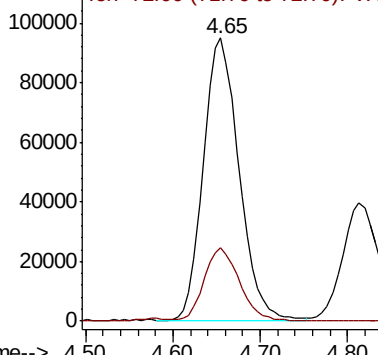
MMDadoda

9/3/2019 2:41:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 52.464 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011920.D

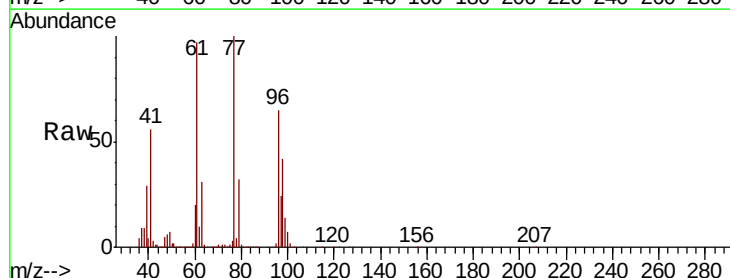
Acq: 30 Aug 2019 21:46

Tgt Ion: 77 Resp: 202978

Ion Ratio Lower Upper

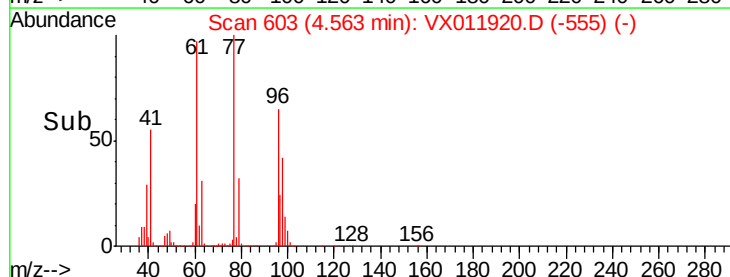
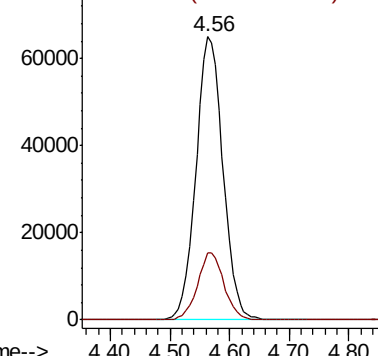
77 100

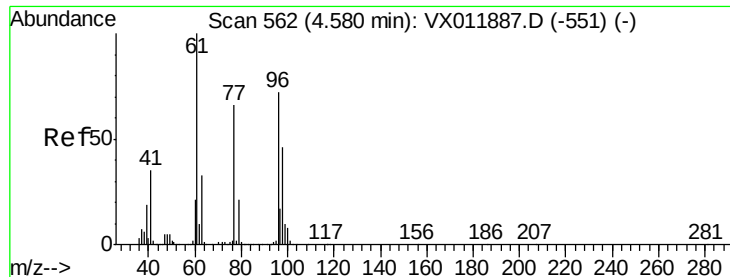
97 23.5 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

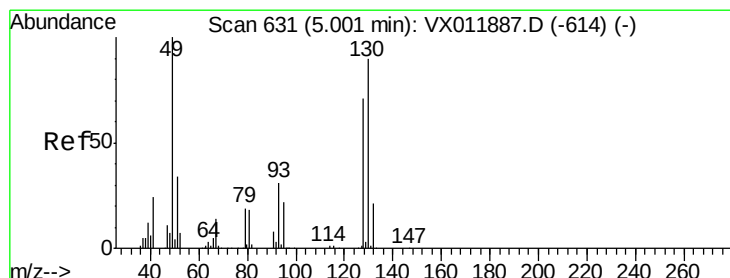
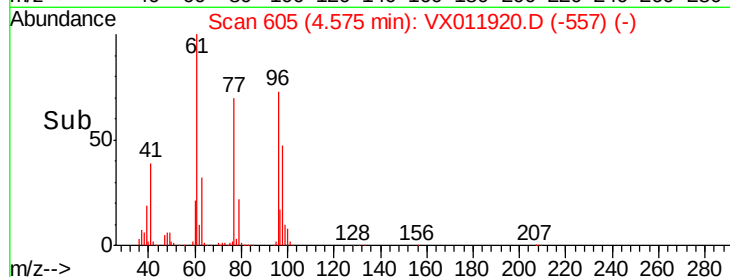
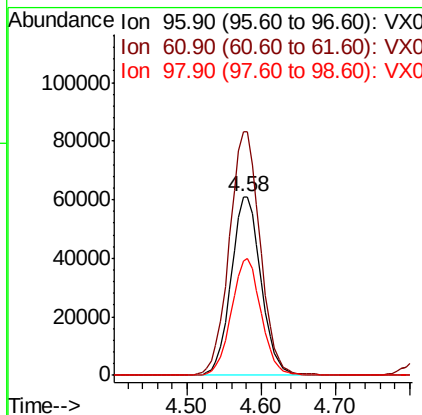
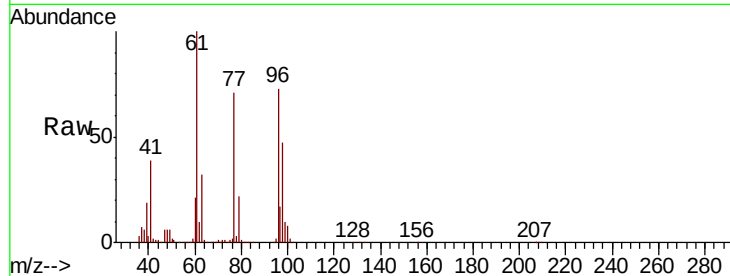
cis-1,2-Dichloroethene
Concen: 56.477 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	171169		
61	141.4	0.0	283.8	
98	65.3	0.0	131.2	

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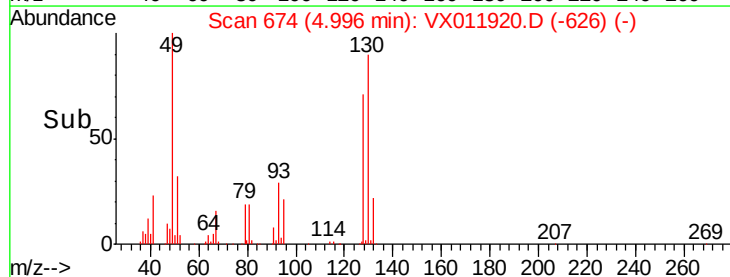
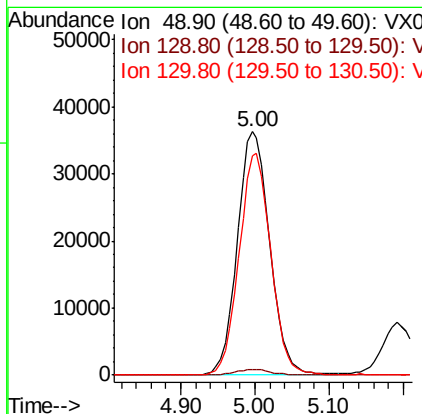
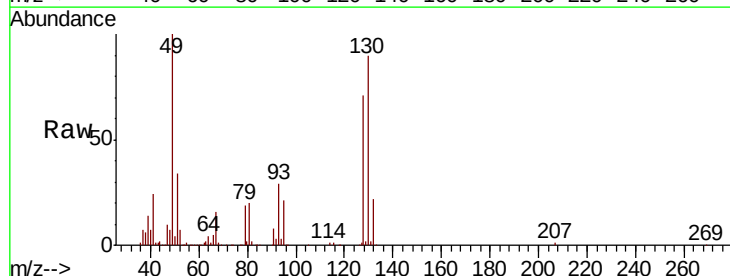
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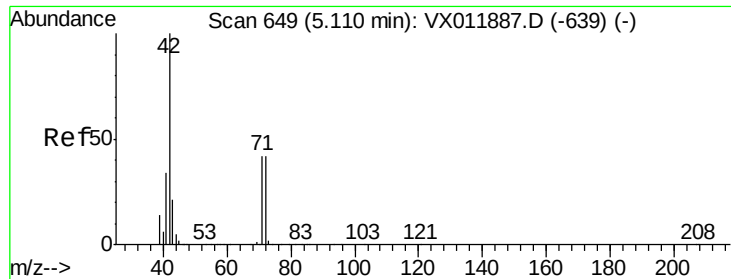


#28

Bromochloromethane
Concen: 53.725 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111202		
129	2.5	0.0	4.8	
130	88.8	70.6	105.8	





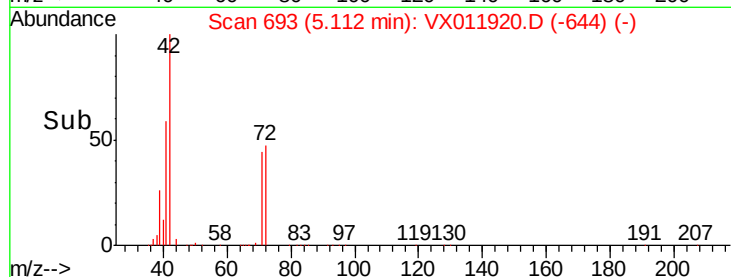
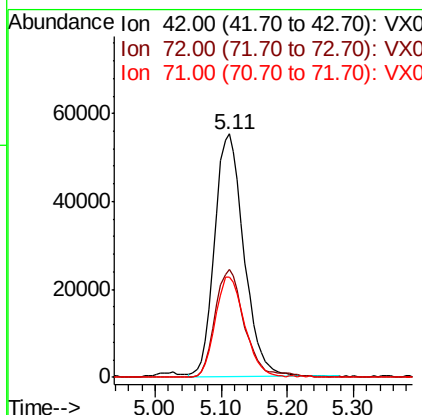
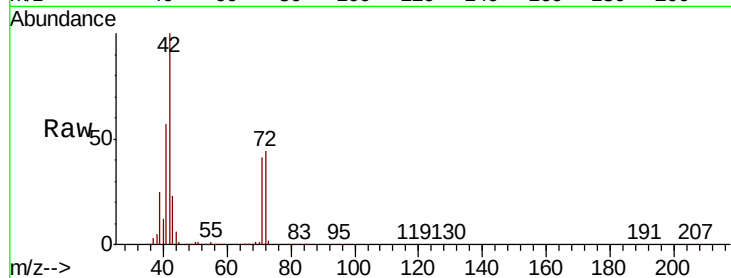
#29
Tetrahydrofuran
Concen: 290.258 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	169167
Ion Ratio		Lower	Upper
42	100		
72	45.4	36.2	54.4
71	41.3	33.1	49.7

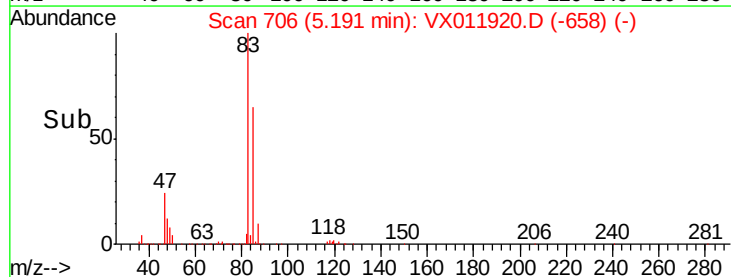
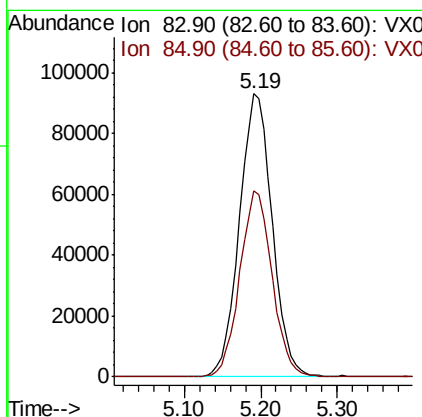
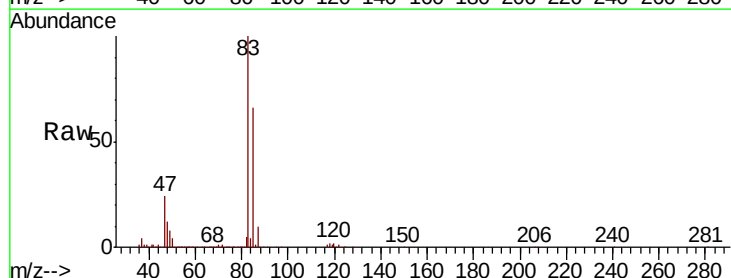
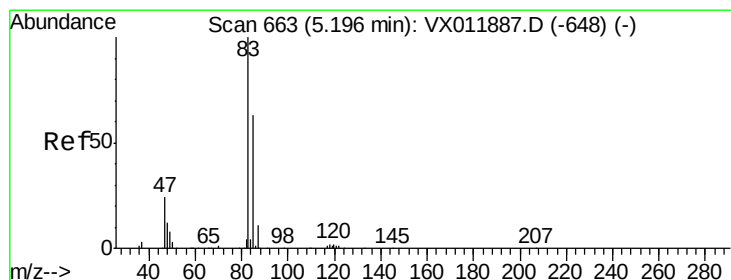
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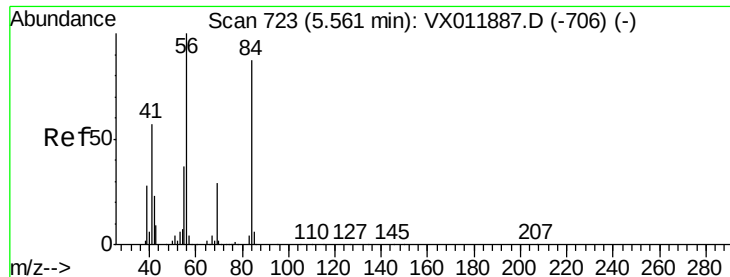
MMDadoda
9/3/2019 2:41:10 AM



#30
Chloroform
Concen: 56.099 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion:	83	Resp:	276690
Ion Ratio		Lower	Upper
83	100		
85	65.6	50.6	75.8





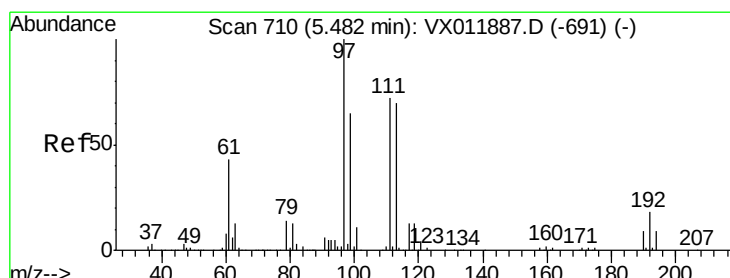
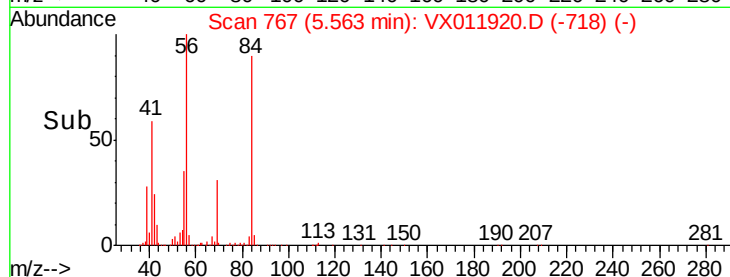
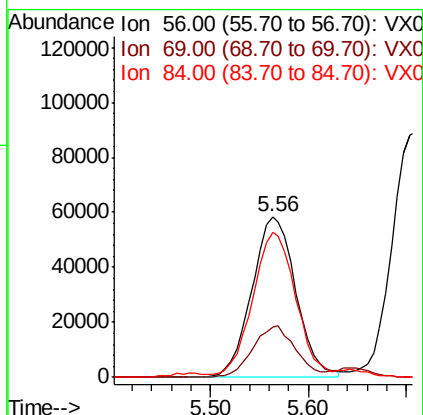
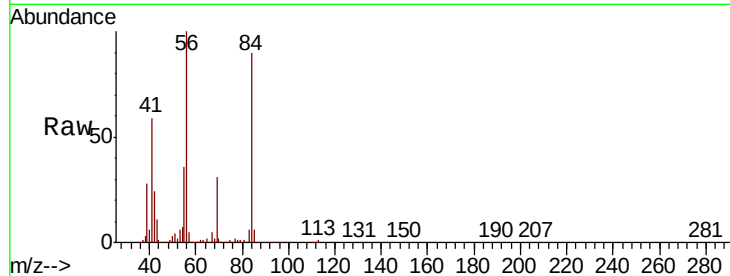
#31
Cyclohexane
Concen: 48.756 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.1	34.7
84	87.6	69.6	104.4

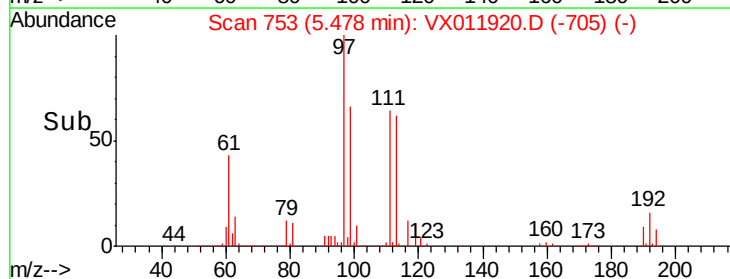
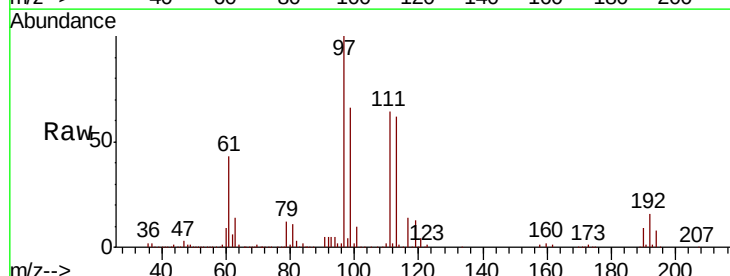
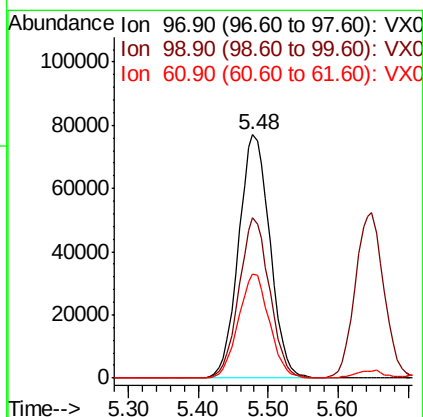
Manual Integrations
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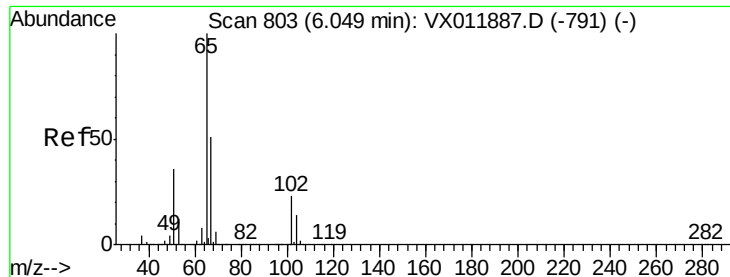
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#32
1,1,1-Trichloroethane
Concen: 54.605 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	42.3	33.8	50.6





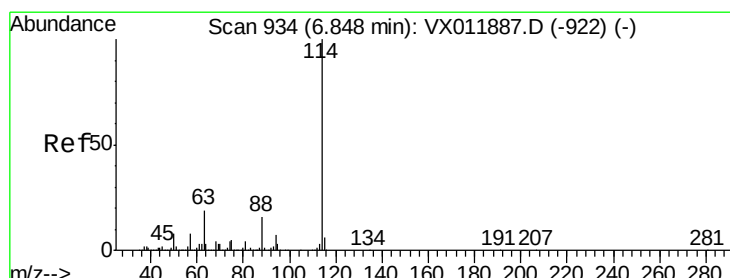
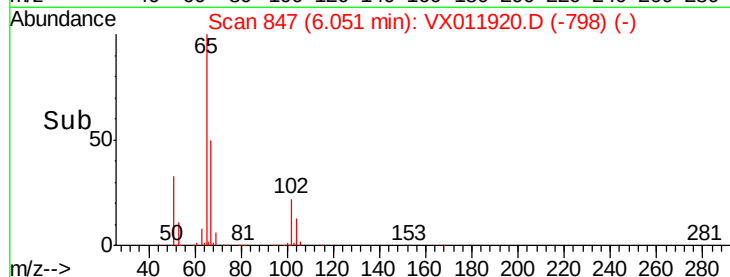
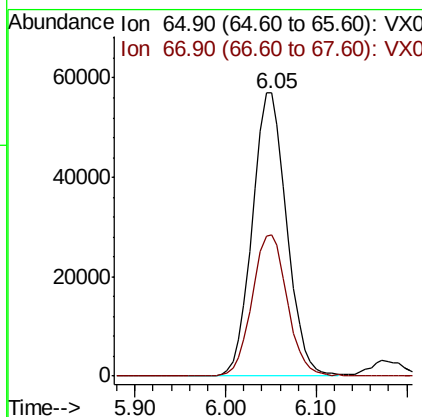
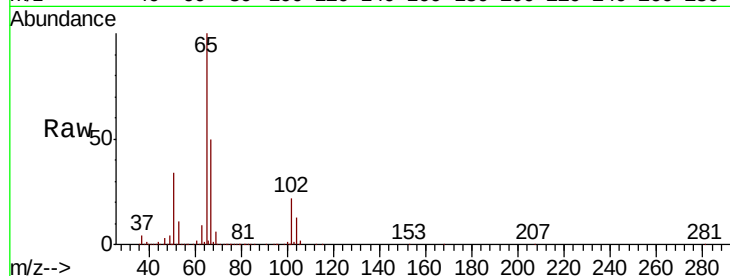
#33
 1,2-Dichloroethane-d4
 Concen: 50.240 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	102.2

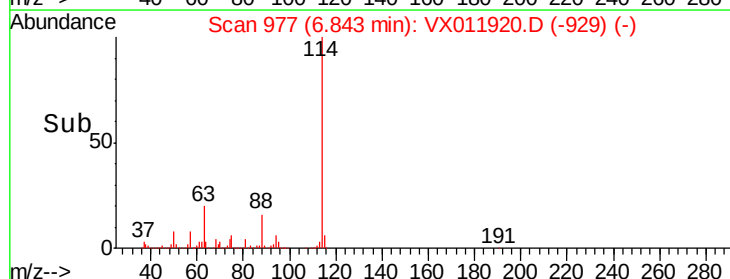
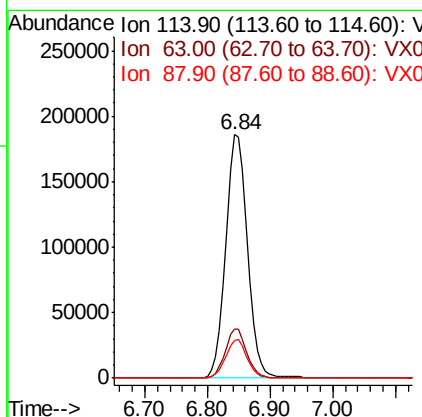
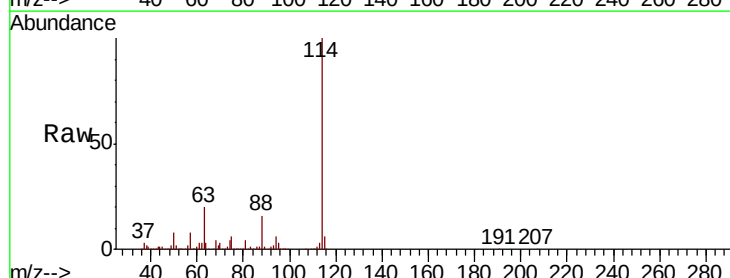
Manual Integrations
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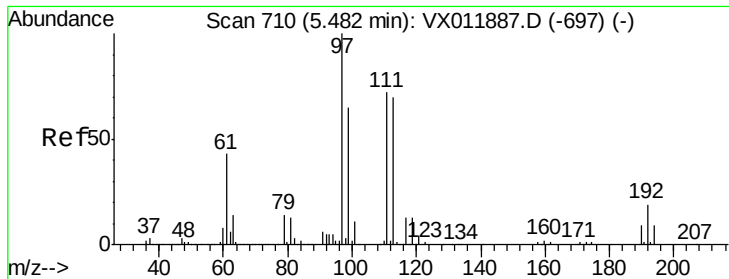
MMDadoda
 9/3/2019 2:41:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	38.8
88	15.5	0.0	31.2





#35

Dibromofluoromethane

Concen: 48.504 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

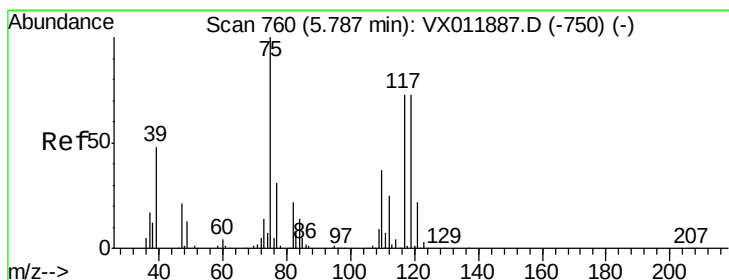
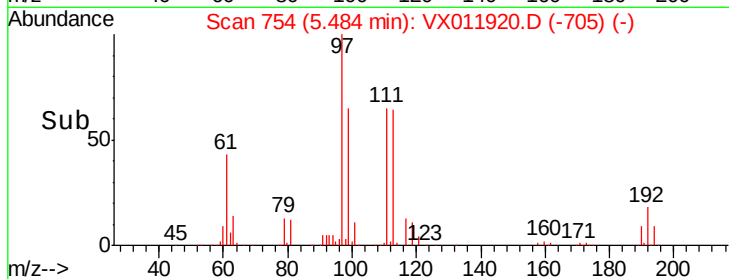
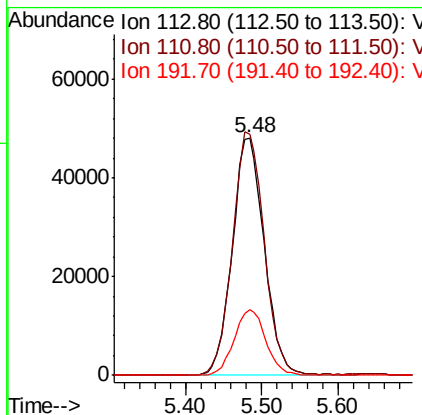
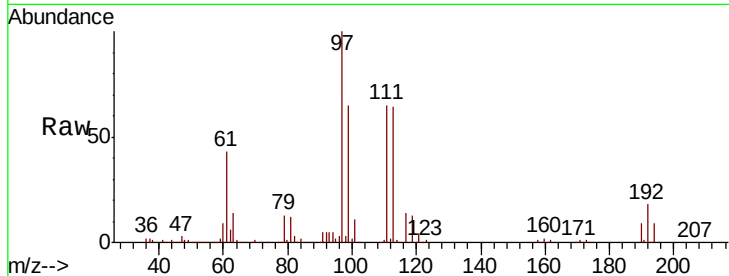
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	139270
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.1	123.1
192	27.4	21.5	32.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.645 ug/l

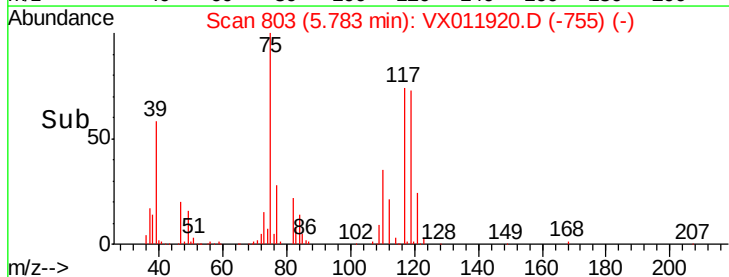
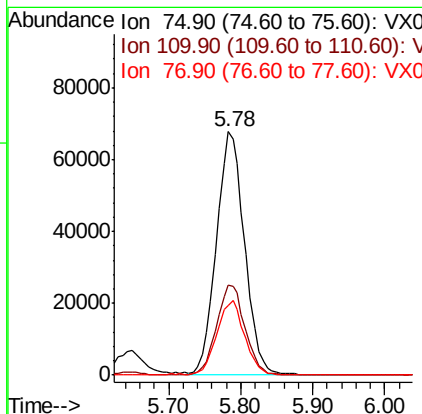
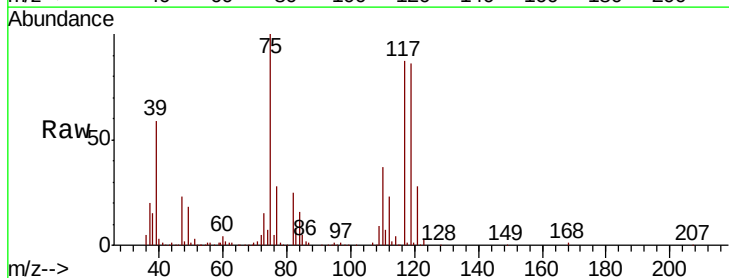
RT: 5.78 min Scan# 803

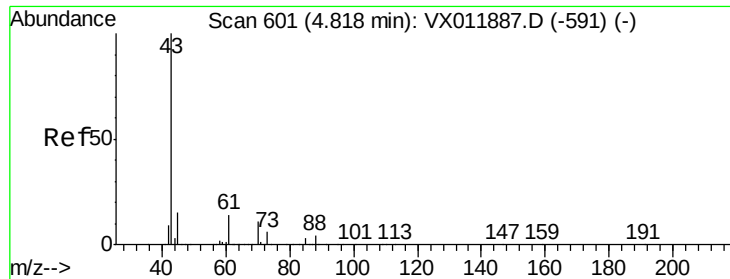
Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Tgt Ion:	75	Resp:	183209
Ion Ratio	Lower	Upper	
75	100		
110	37.6	19.1	57.3
77	30.0	24.4	36.6





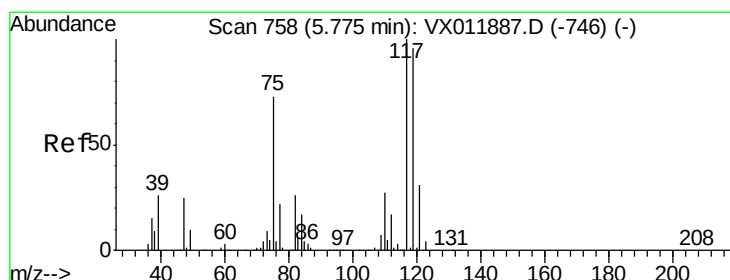
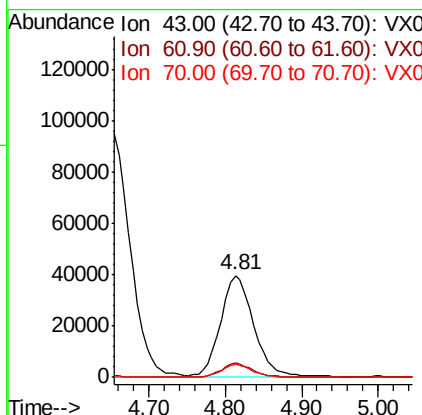
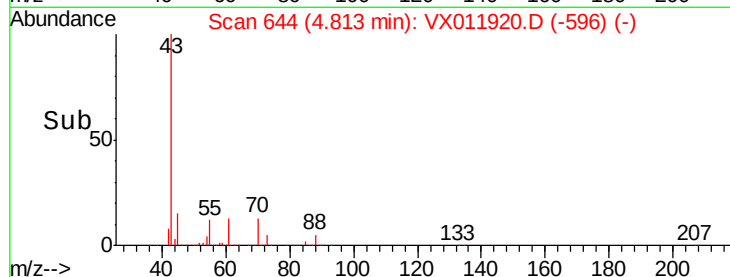
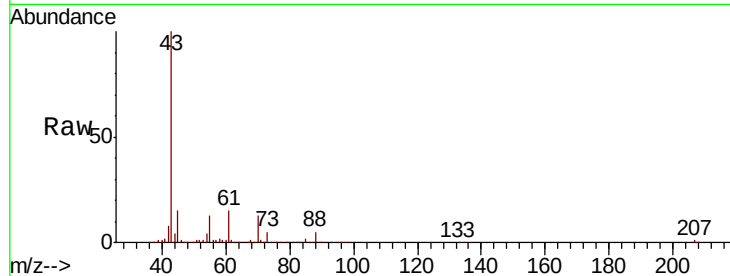
#37
Ethyl Acetate
Concen: 55.366 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.4
70	12.2	9.2	13.8

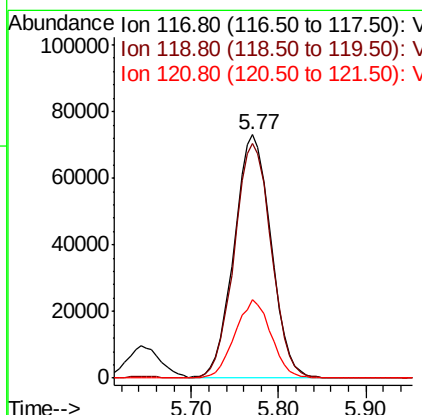
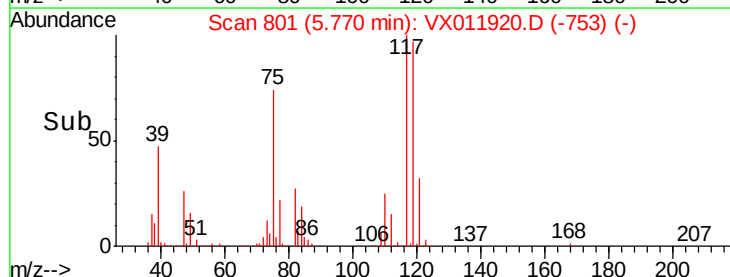
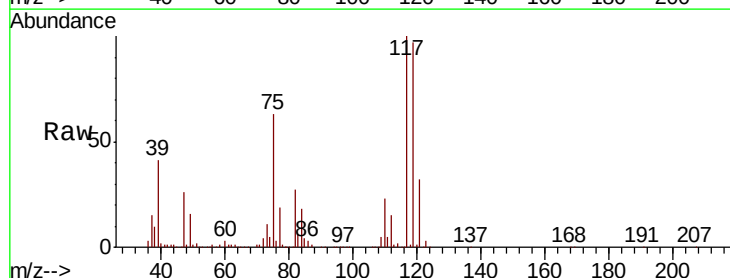
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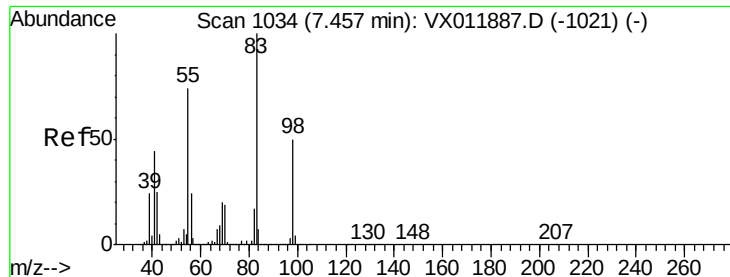
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#38
Carbon Tetrachloride
Concen: 51.943 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	114.8
121	32.3	24.7	37.1





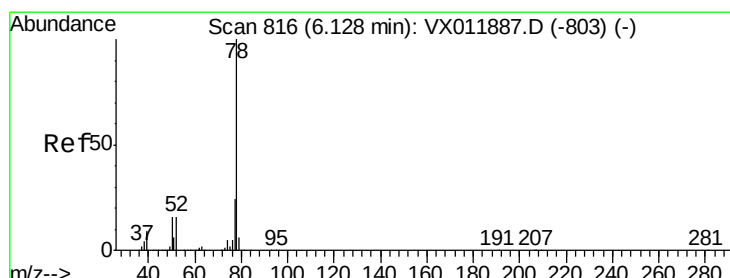
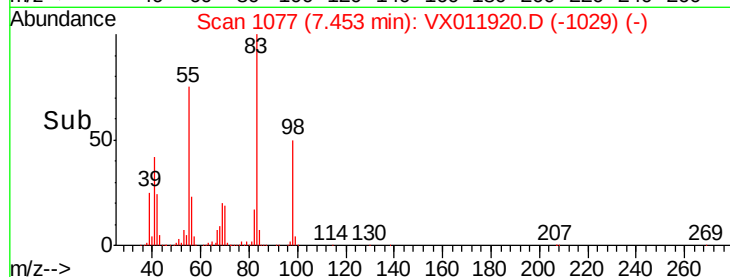
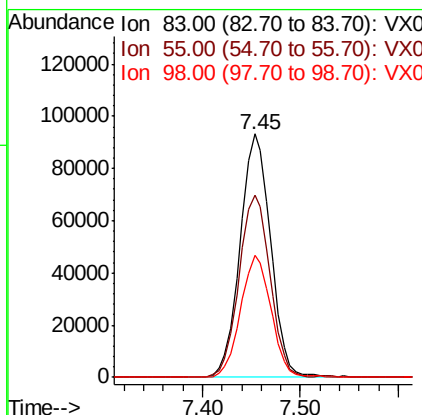
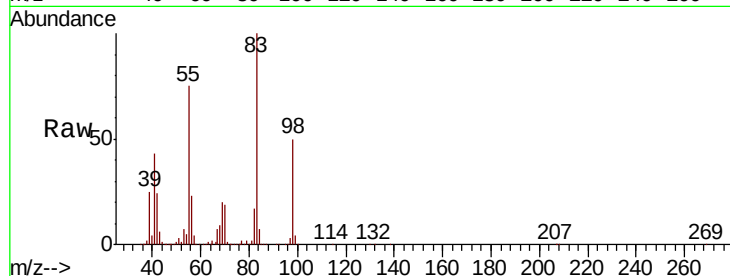
#39
Methylvlcyclohexane
Concen: 47.821 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	202064
Ion	Ratio	Lower	Upper
83	100		
55	74.8	59.4	89.0
98	50.0	40.3	60.5

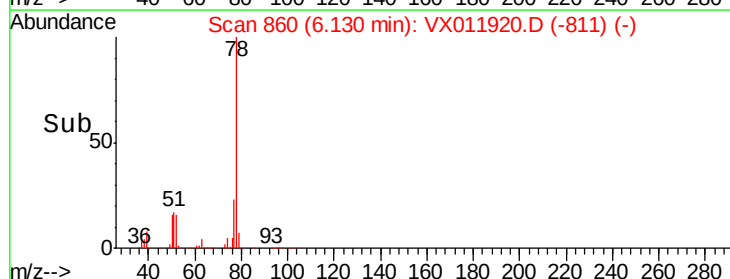
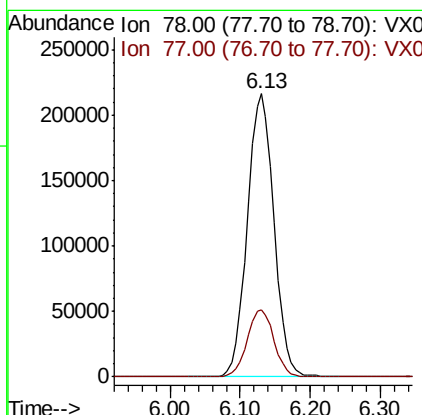
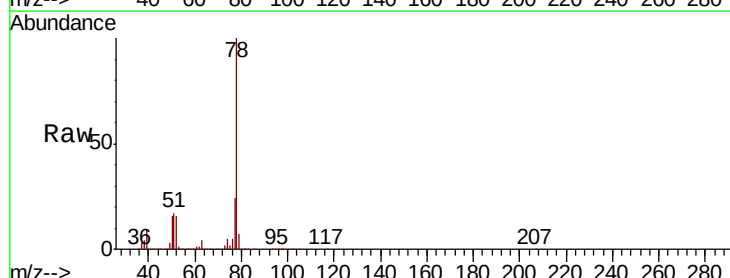
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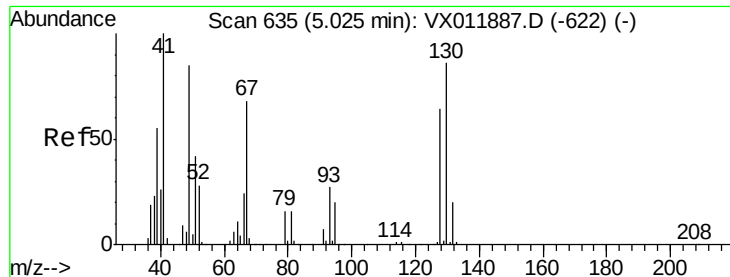
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#40
Benzene
Concen: 53.926 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	78	Resp	571022
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





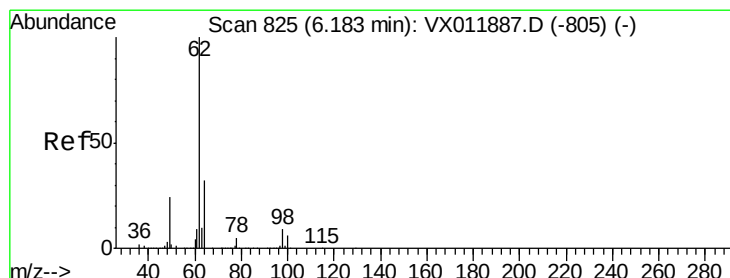
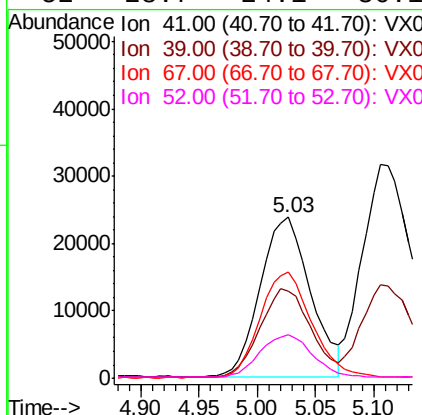
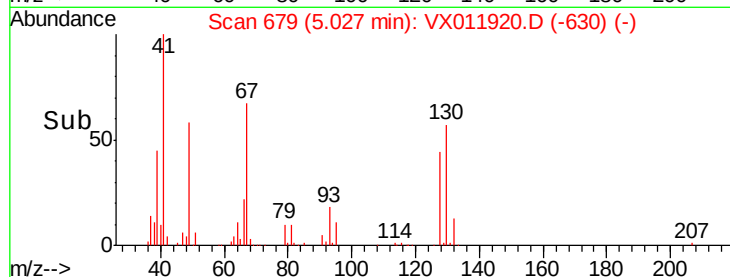
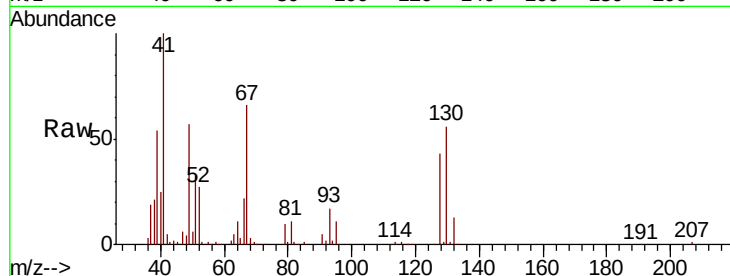
#41
Methacrylonitrile
Concen: 57.401 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
70971	41	100		
	39	56.0	45.0	67.6
	67	68.1	55.0	82.4
	52	28.7	24.1	36.1

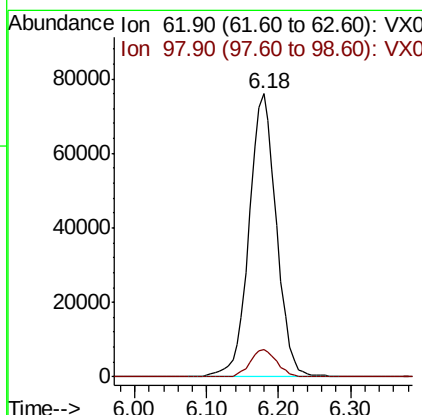
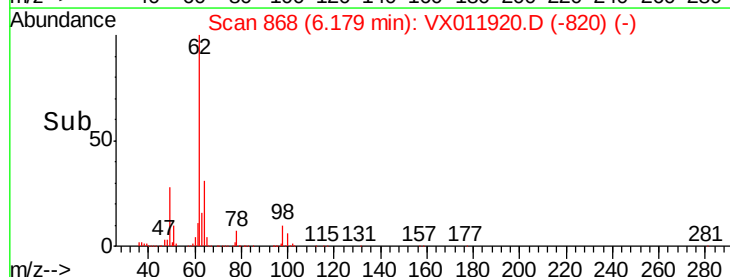
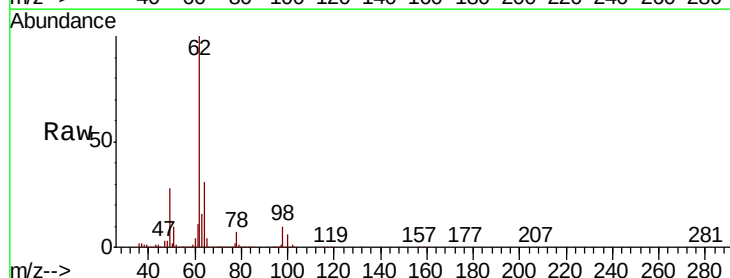
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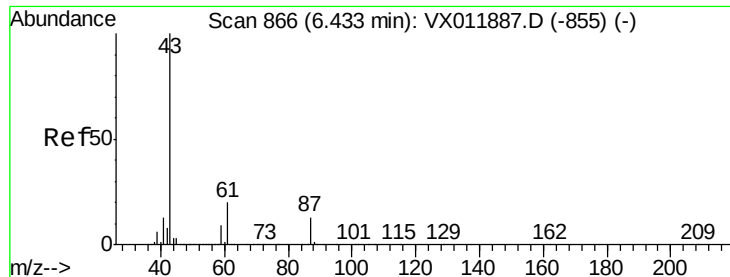
MMDadoda
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#42
1,2-Dichloroethane
Concen: 55.735 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ion	Ratio	Lower	Upper
200704	62	100		
	98	9.6	0.0	19.2





#43

Isopropyl Acetate

Concen: 55.368 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

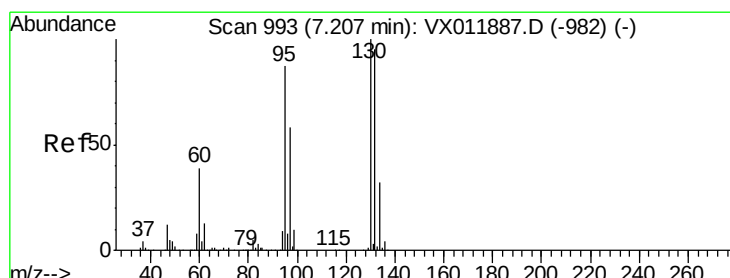
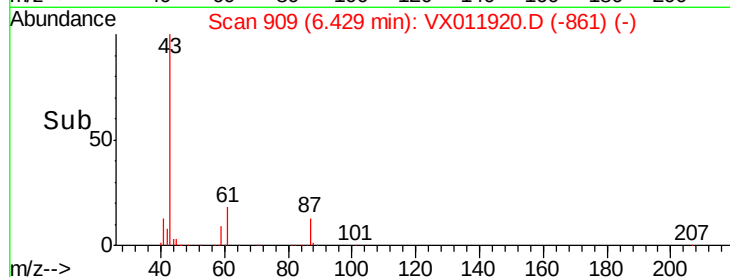
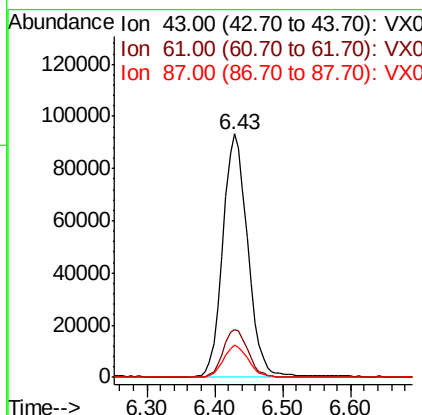
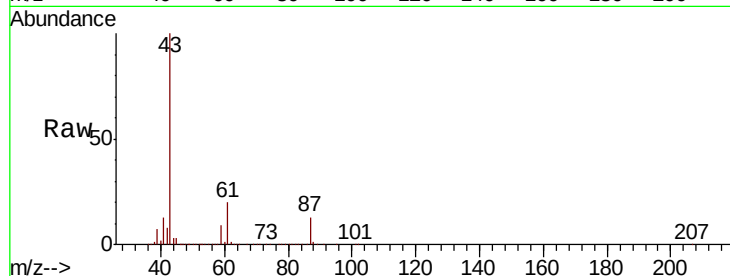
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	235726
Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.1	24.1
87	13.2	10.6	16.0

Manual Integrations
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9/3/2019 2:41:10 AM



#44

Trichloroethene

Concen: 53.295 ug/l

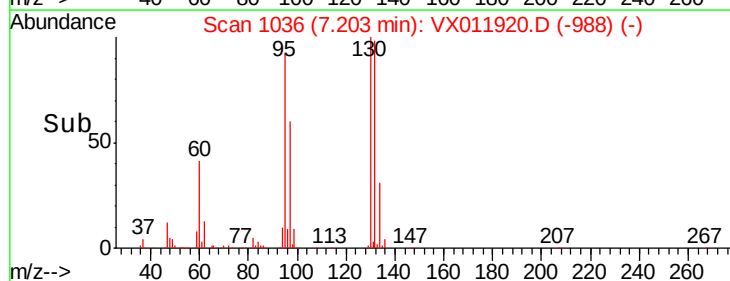
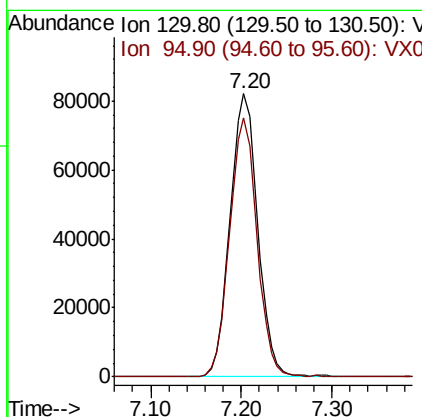
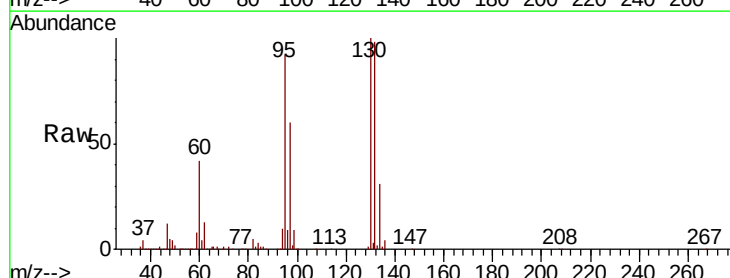
RT: 7.20 min Scan# 1036

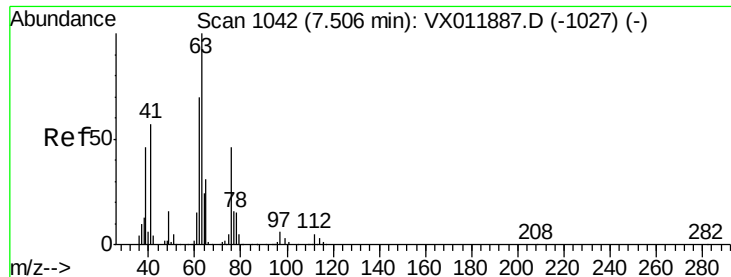
Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Tgt Ion:	130	Resp:	174611
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	174.6





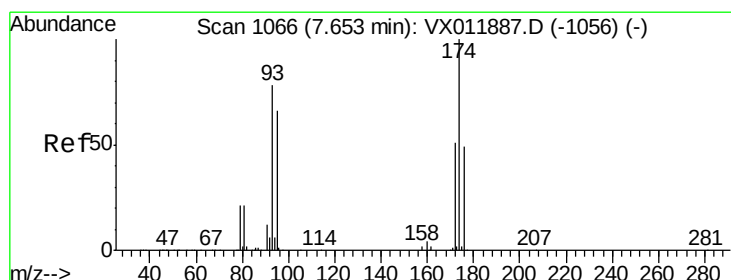
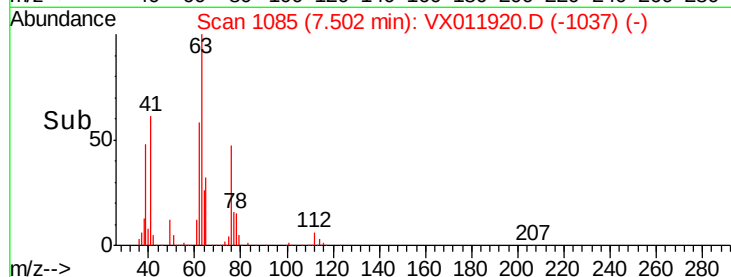
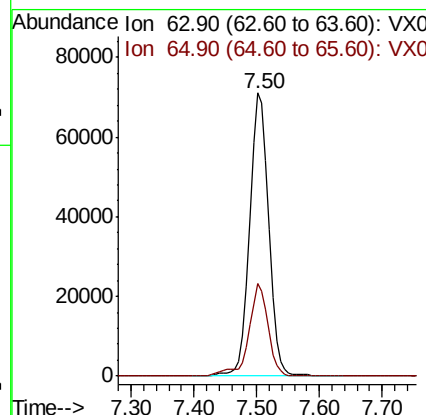
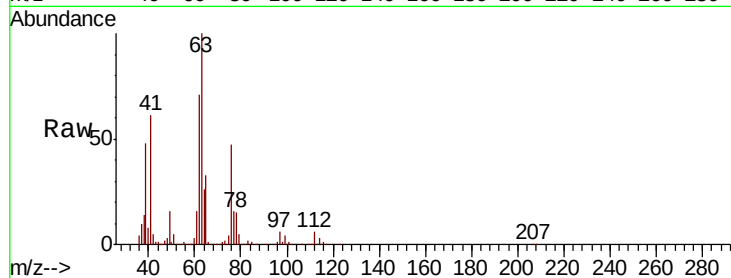
#45
 1,2-Dichloropropane
 Concen: 54.086 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.1	37.7

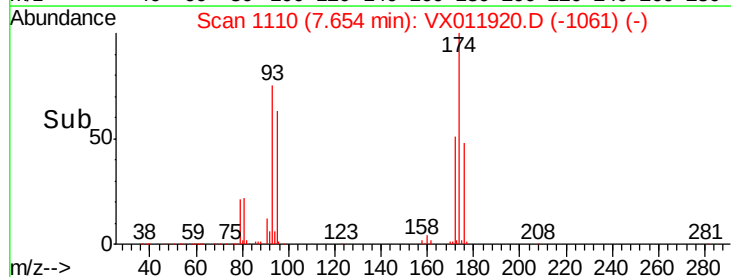
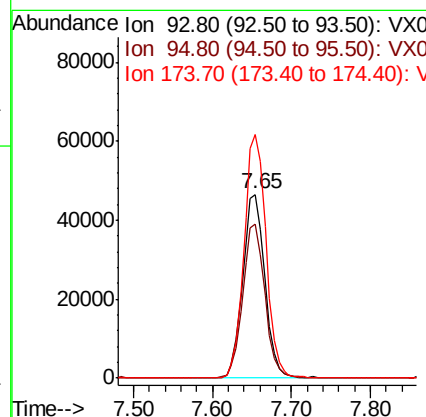
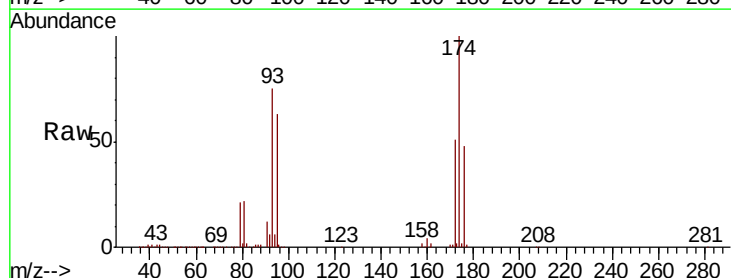
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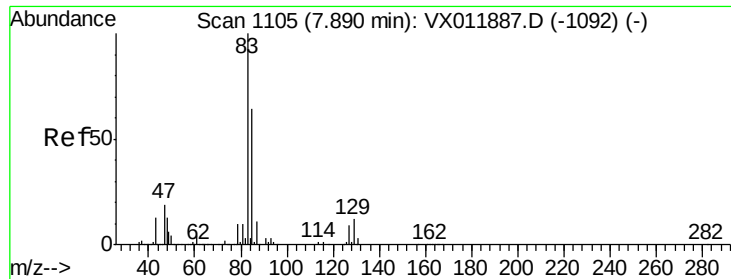
MMDadoda
 9/3/2019 2:41:10 AM



#46
 Dibromomethane
 Concen: 55.417 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.7	98.5
174	131.5	104.2	156.4





#47

Bromodichloromethane

Concen: 55.102 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

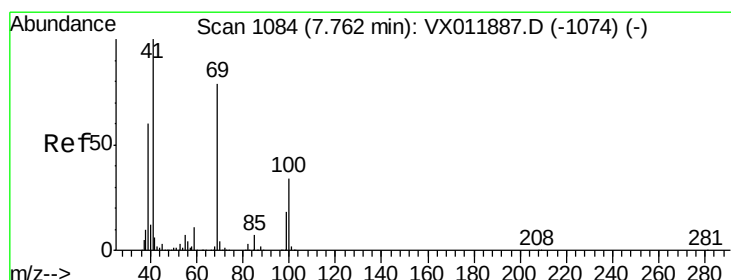
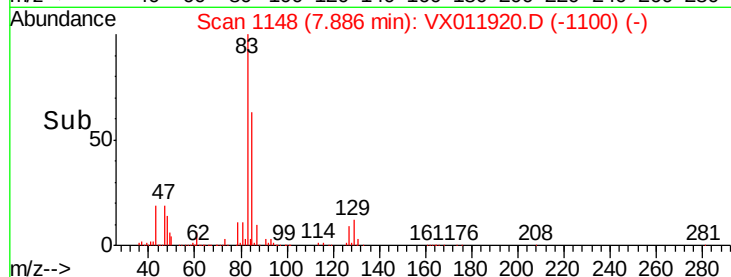
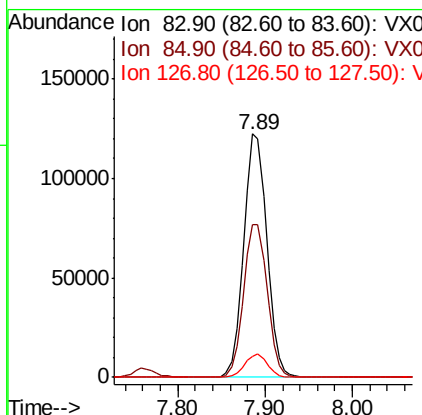
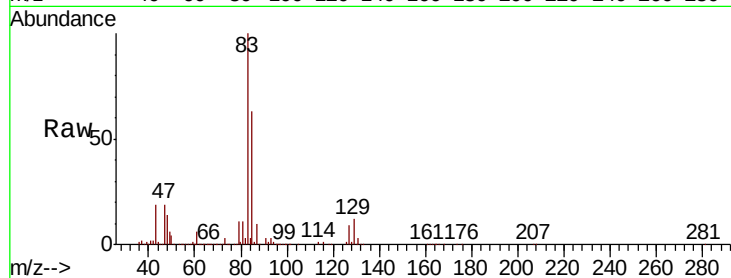
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	224609
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.1	76.7
127	8.7	7.4	11.2

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#48

Methyl methacrylate

Concen: 56.881 ug/l

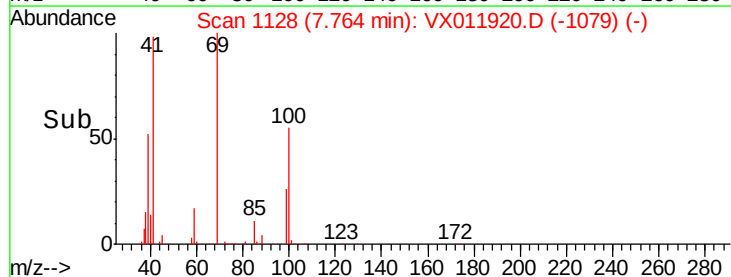
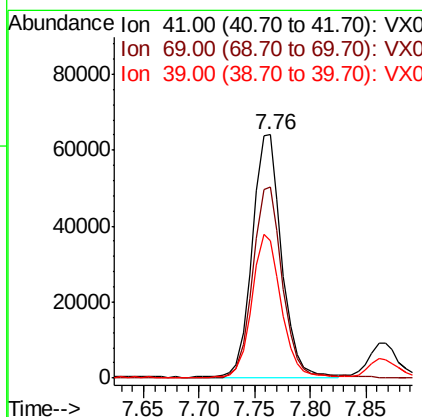
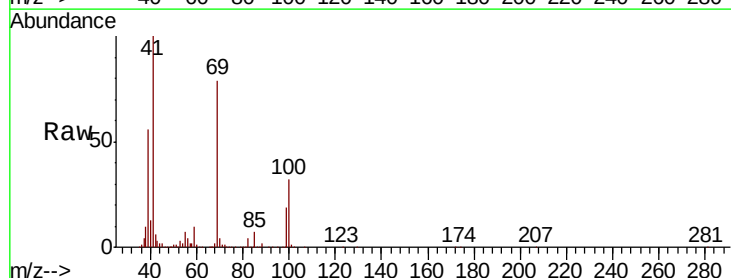
RT: 7.76 min Scan# 1128

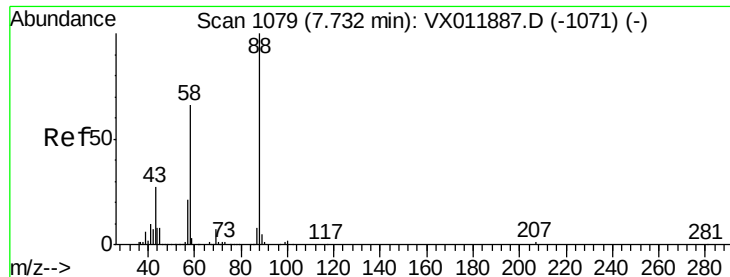
Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Tgt Ion:	41	Resp:	117829
Ion	Ratio	Lower	Upper
41	100		
69	79.5	64.4	96.6
39	58.7	47.2	70.8





#49

1,4-Dioxane

Concen: 1190.381 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

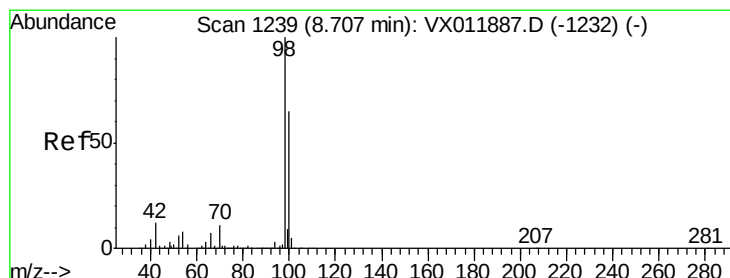
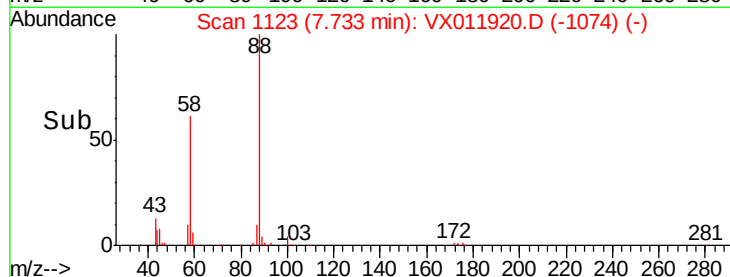
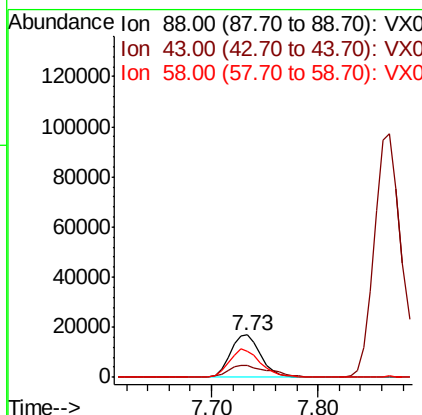
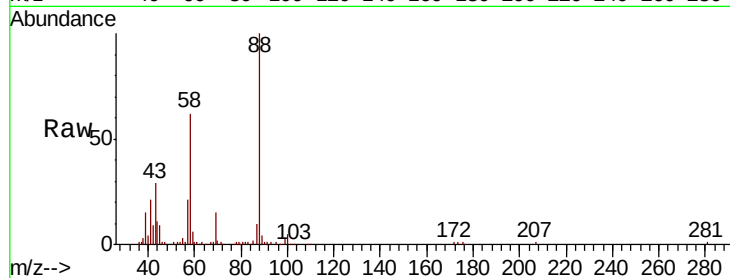
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	33909
Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.3	40.9
58	70.3	53.9	80.9

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#50

Toluene-d8

Concen: 48.324 ug/l

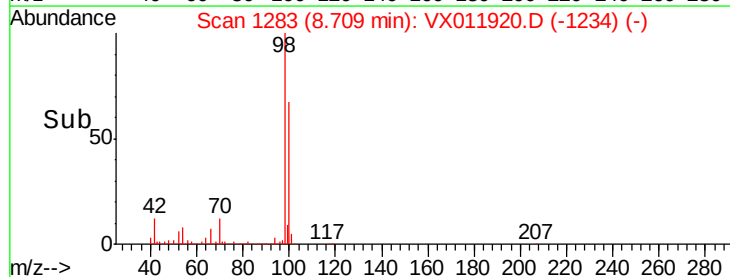
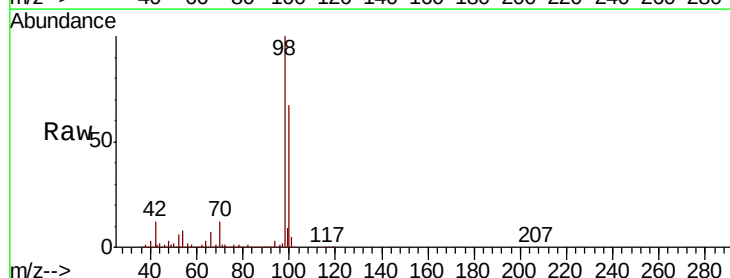
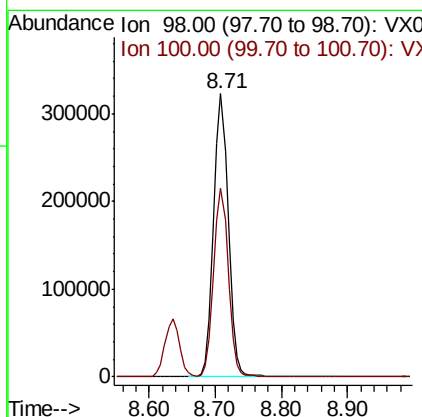
RT: 8.71 min Scan# 1283

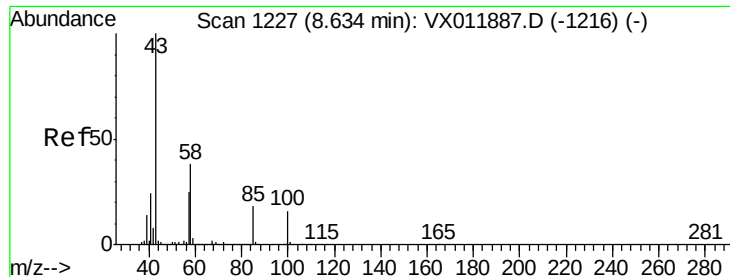
Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Tgt Ion:	98	Resp:	496002
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 281.890 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 609675

Ion Ratio Lower Upper

43 100

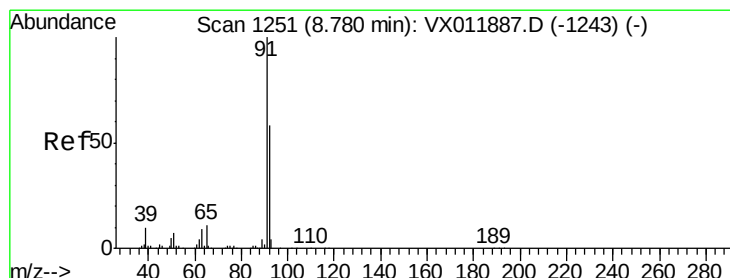
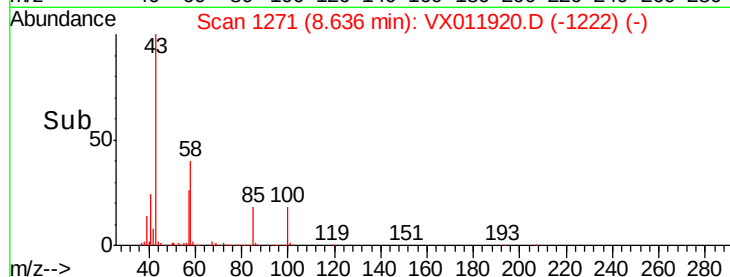
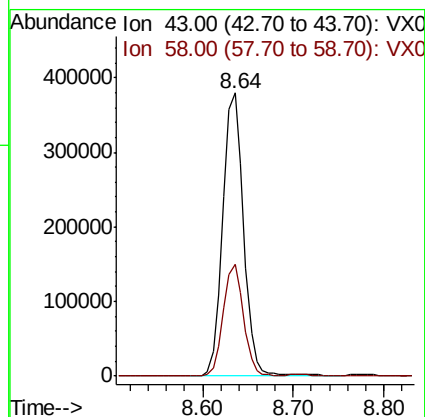
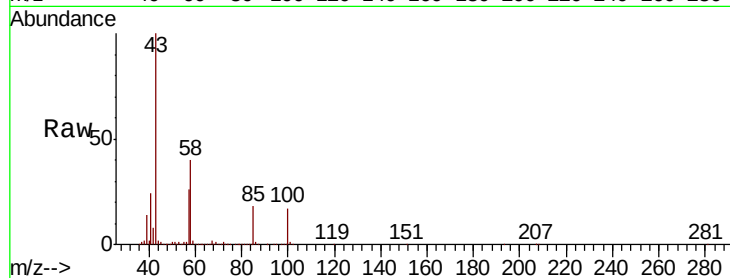
58 38.4 30.9 46.3

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#52

Toluene

Concen: 54.234 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX011920.D

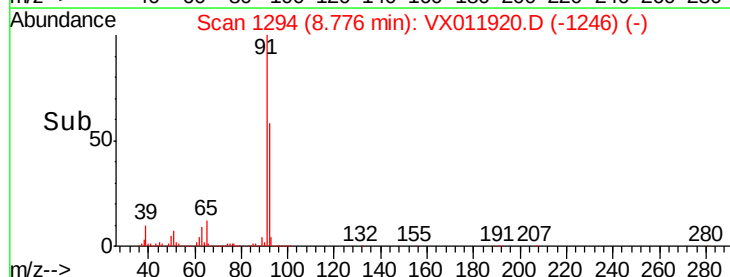
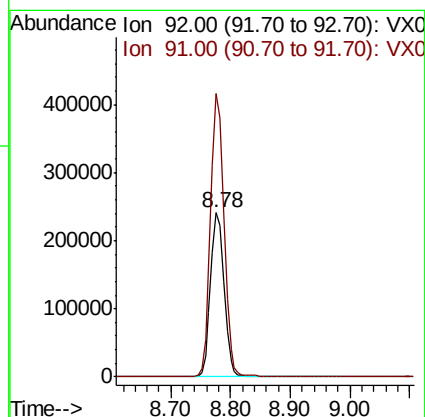
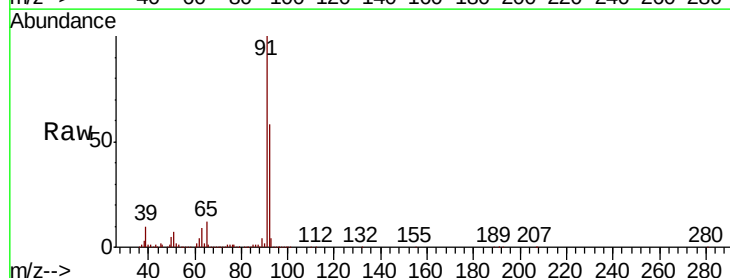
Acq: 30 Aug 2019 21:46

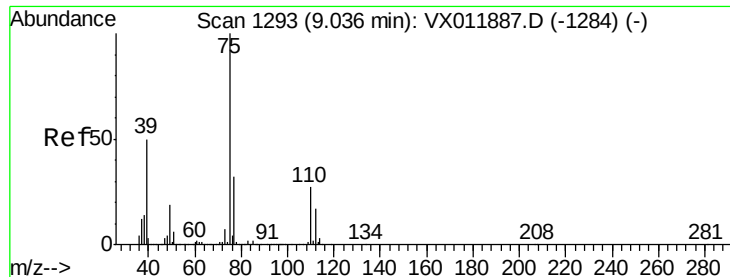
Tgt Ion: 92 Resp: 379931

Ion Ratio Lower Upper

92 100

91 170.3 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 54.617 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 228048

Ion Ratio Lower Upper

75 100

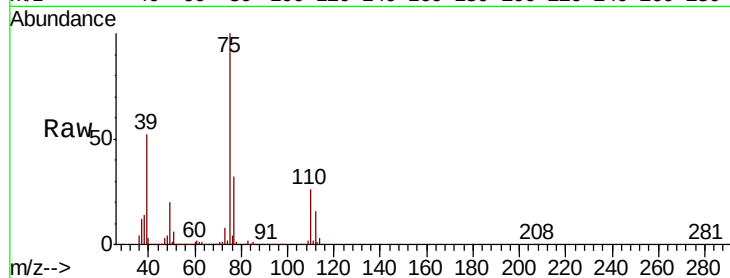
77 31.7 25.6 38.4

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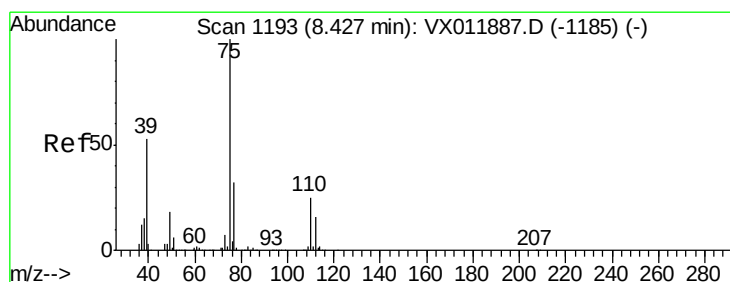
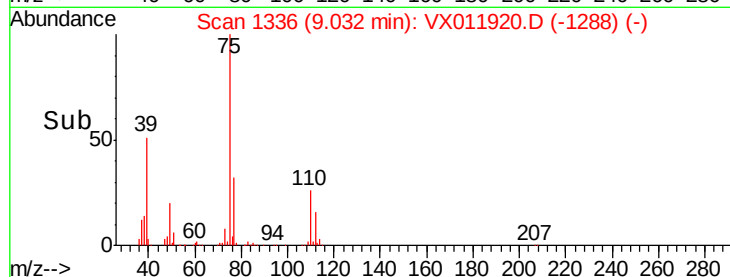
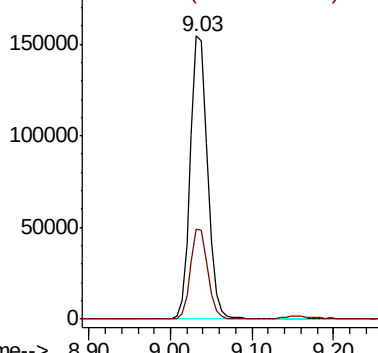
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 54.411 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

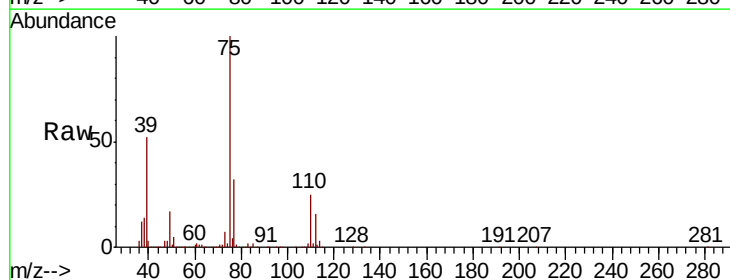
Tgt Ion: 75 Resp: 255030

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

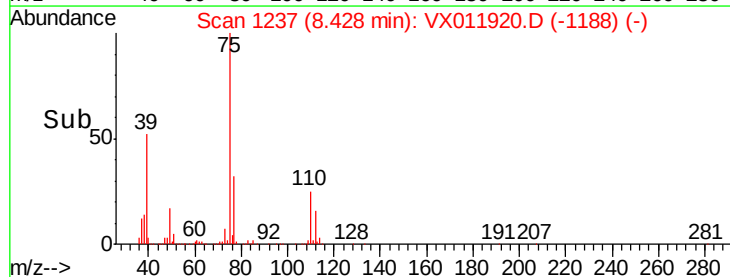
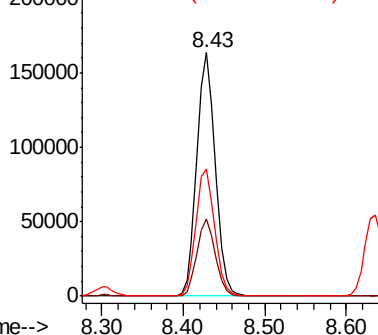
39 52.0 42.6 64.0

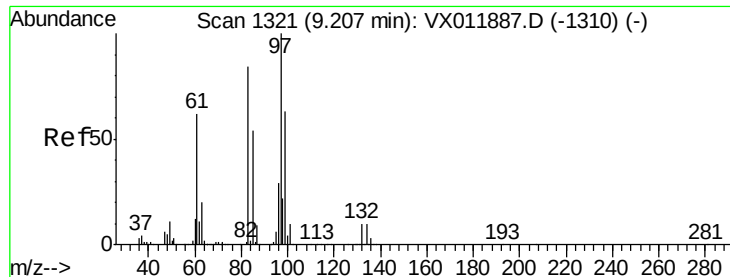


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





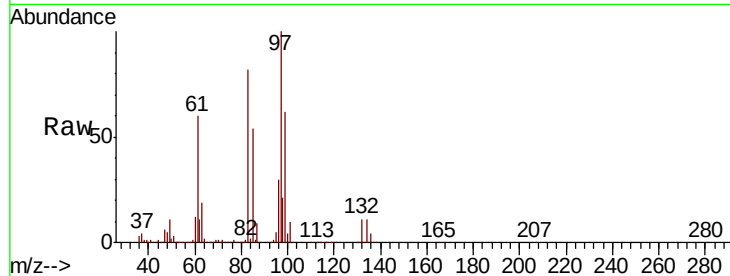
#55
 1,1,2-Trichloroethane
 Concen: 54.933 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

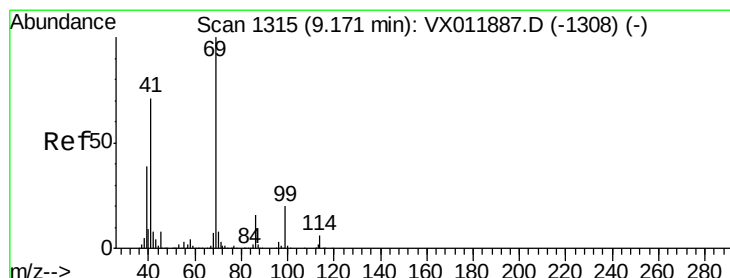
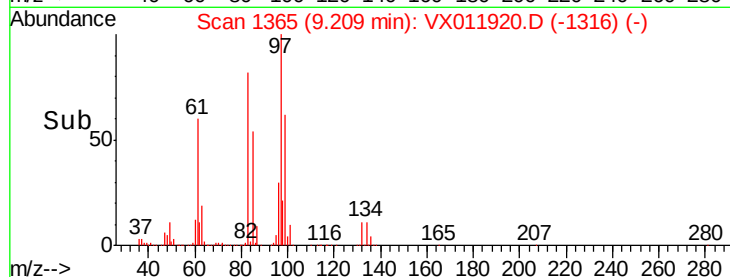
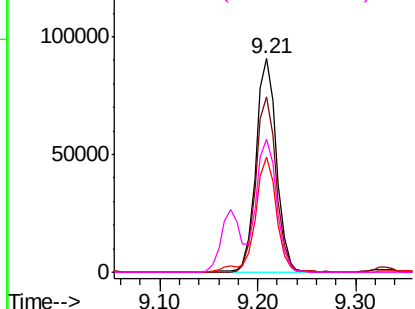
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	82.3	66.8	100.2		
85	53.7	43.5	65.3		
99	62.3	50.6	75.8		

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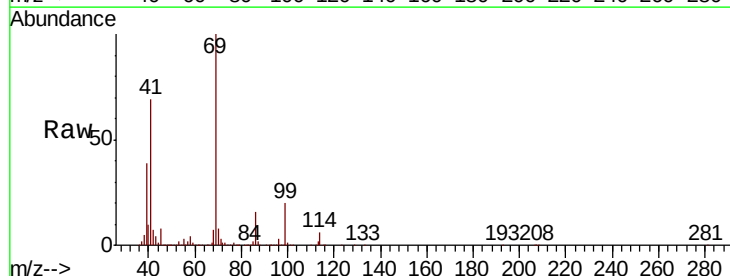


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

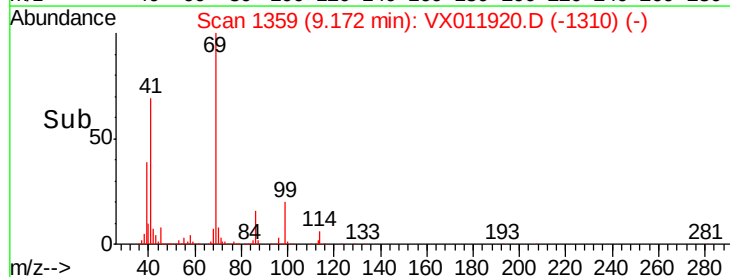
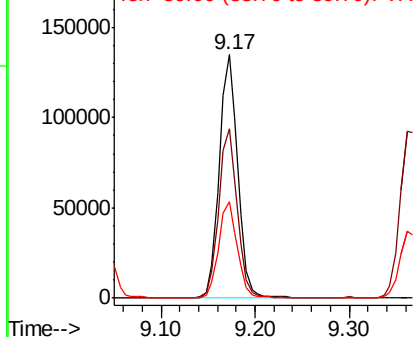


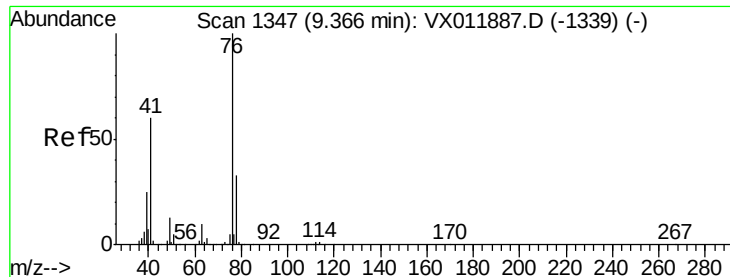
#56
 Ethyl methacrylate
 Concen: 54.881 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	69.5	55.8	83.8		
39	39.2	31.1	46.7		



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





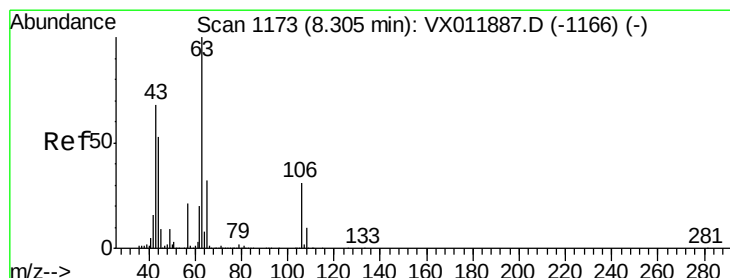
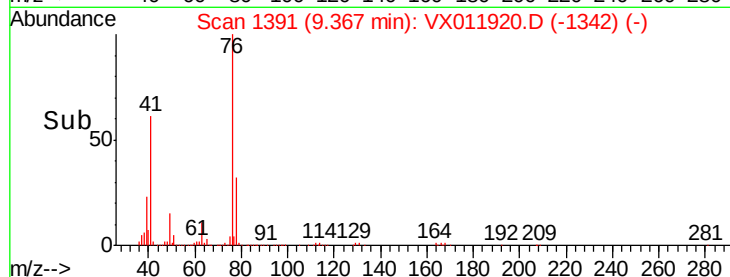
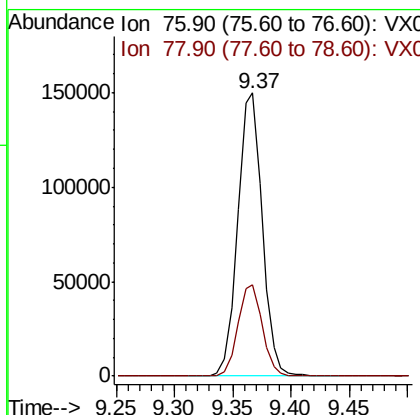
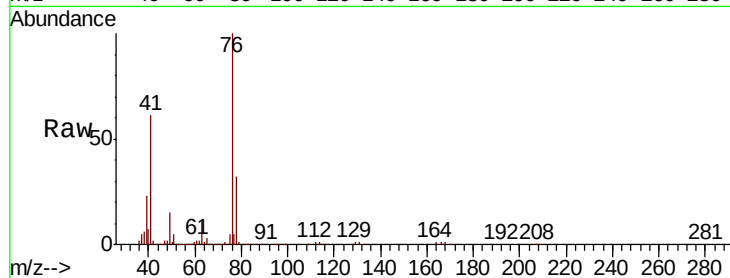
#57
 1,3-Dichloropropane
 Concen: 54.993 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.4	39.6

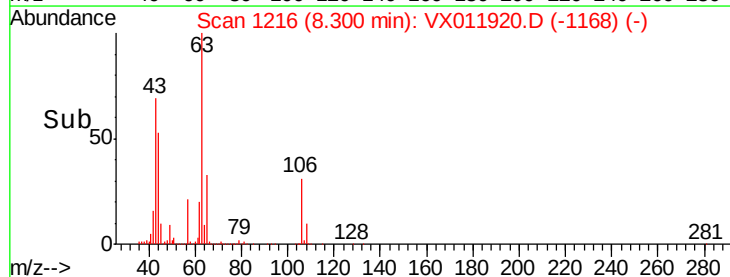
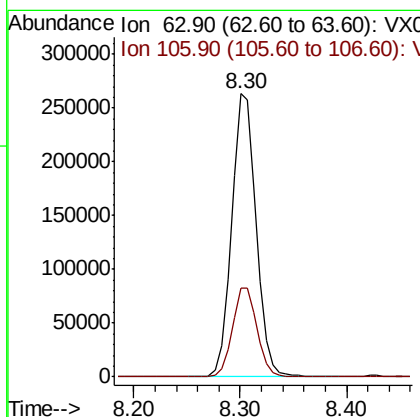
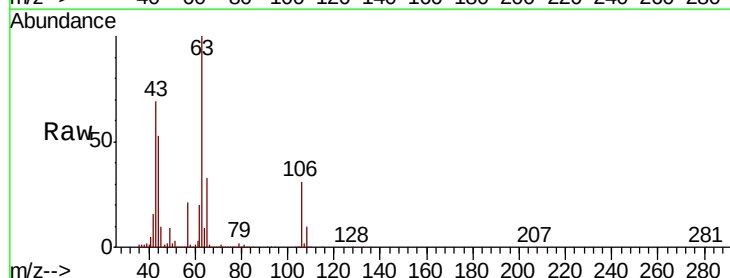
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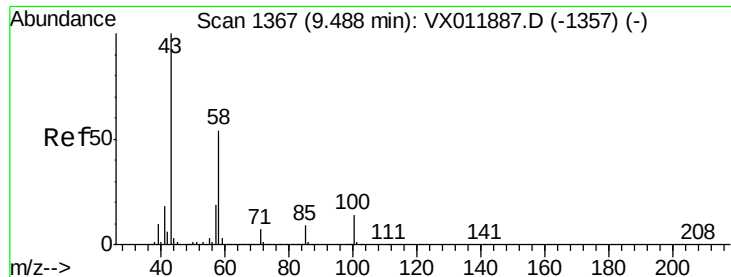
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#58
 2-Chloroethyl Vinyl ether
 Concen: 265.062 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.8	24.8	37.2





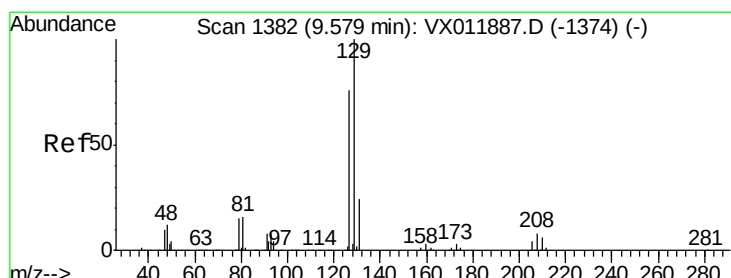
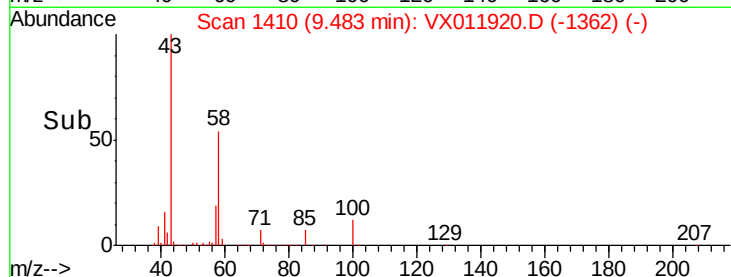
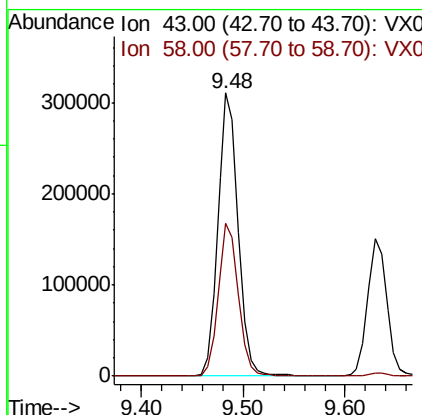
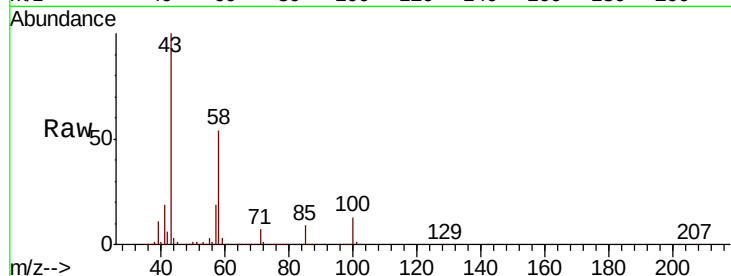
#59
2-Hexanone
Concen: 279.842 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.9	26.8	80.4

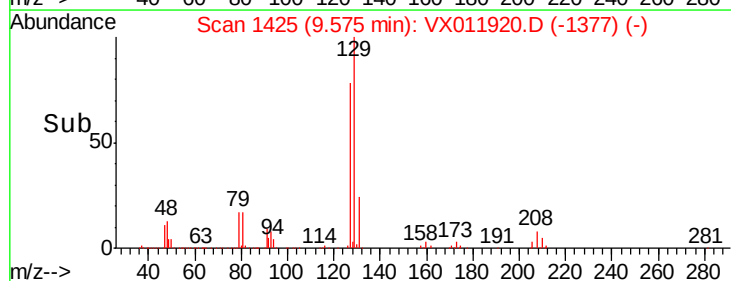
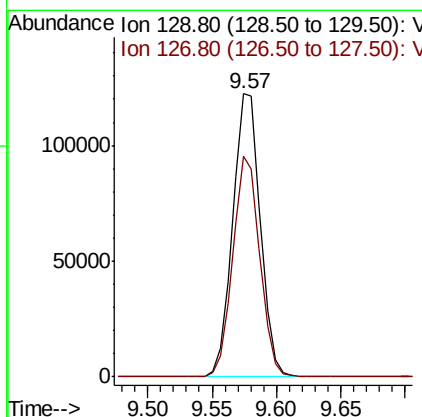
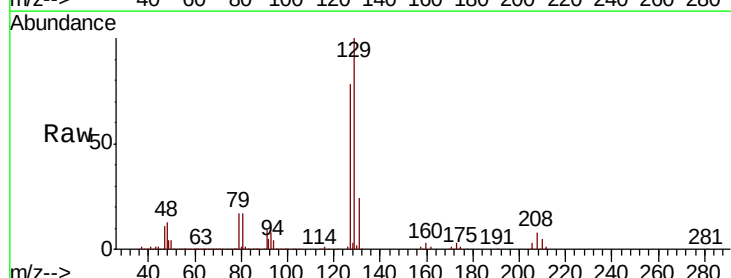
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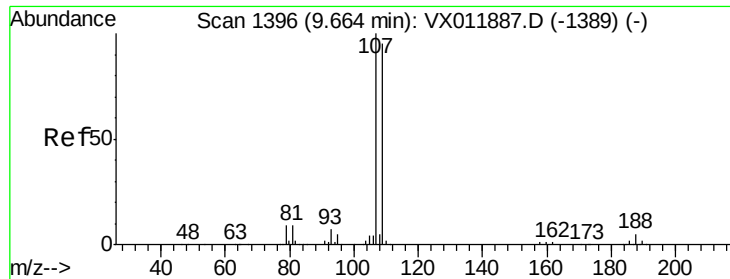
MMDadoda
9/3/2019 2:41:10 AM



#60
Dibromochloromethane
Concen: 56.650 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.7





#61

1,2-Dibromoethane

Concen: 55.892 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 133357

Ion Ratio Lower Upper

107 100

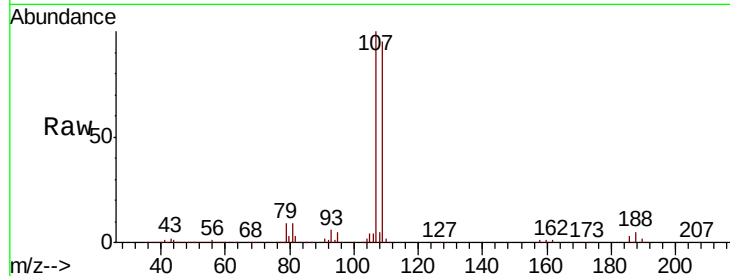
109 93.9 75.3 112.9

Manual Integrations

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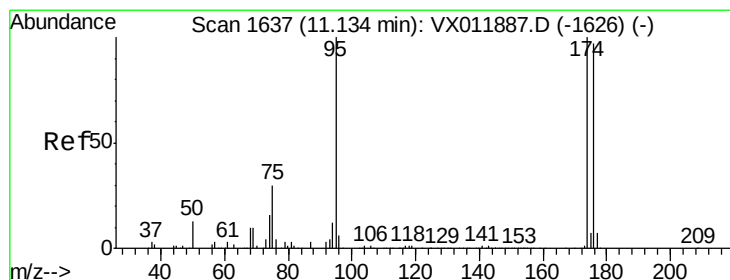
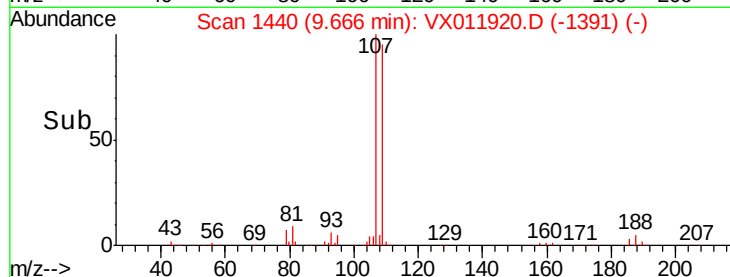
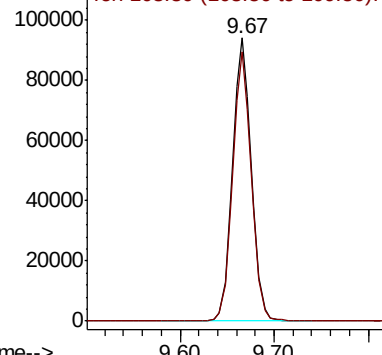
MMDadoda

9/3/2019 2:41:10 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.244 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

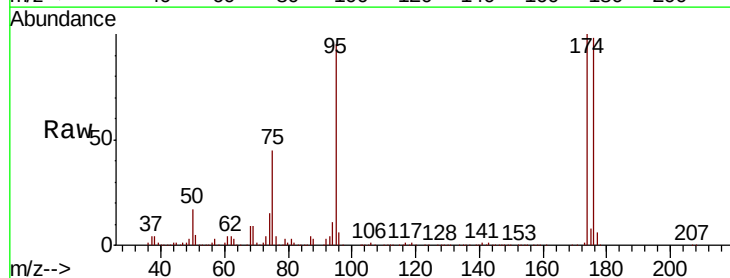
Tgt Ion: 95 Resp: 208213

Ion Ratio Lower Upper

95 100

174 99.3 0.0 196.0

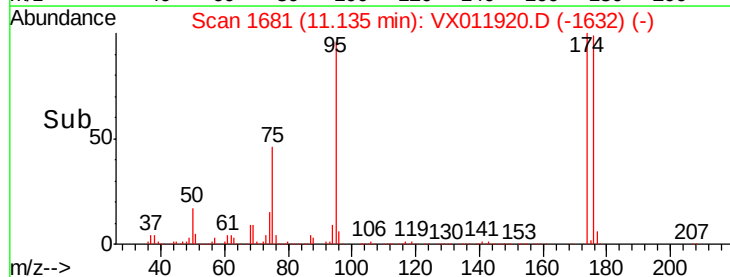
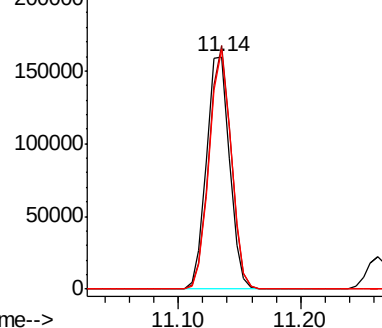
176 97.8 0.0 191.4

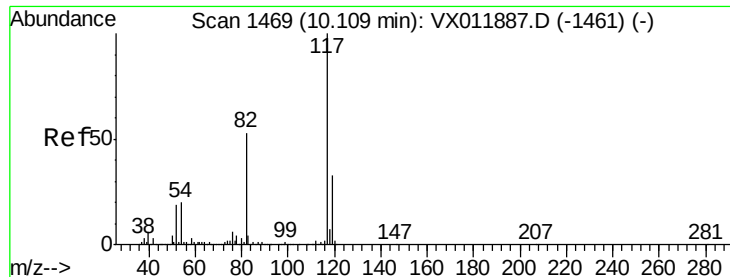


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





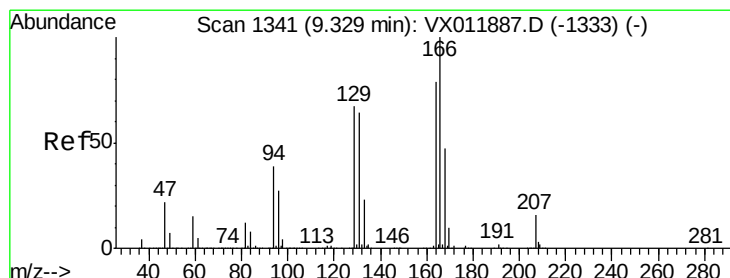
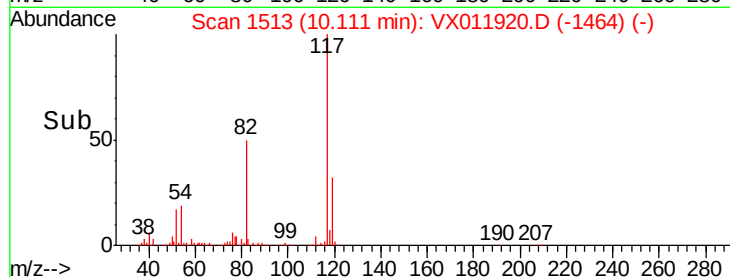
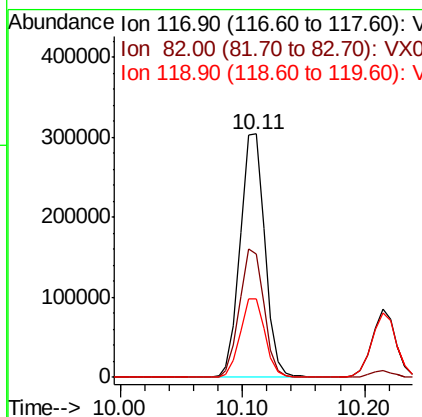
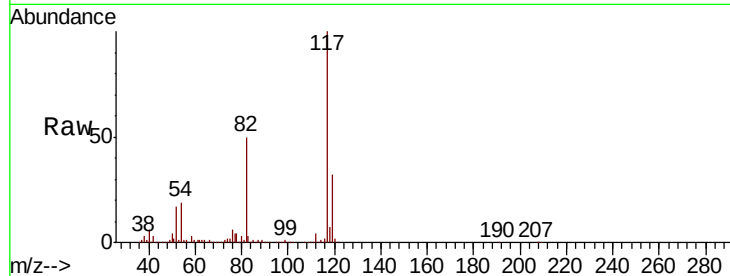
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	117	Resp:	425920
Ion Ratio	Lower	Upper	
117	100		
82	50.4	42.0	63.0
119	32.3	26.2	39.4

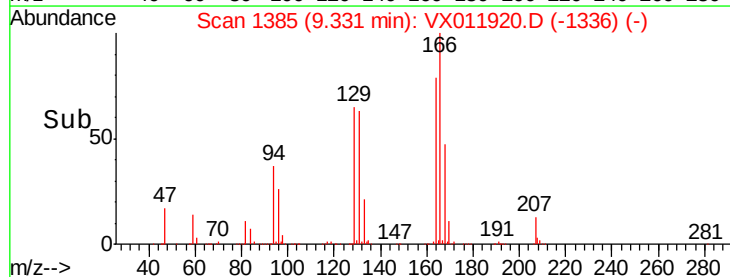
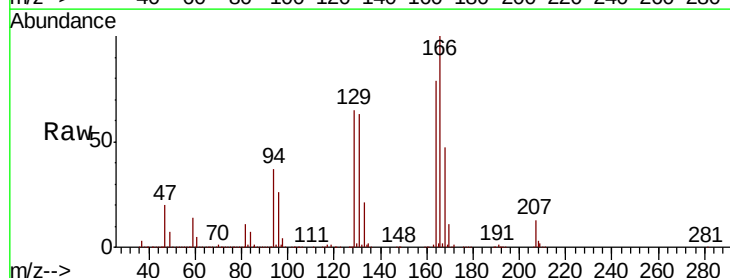
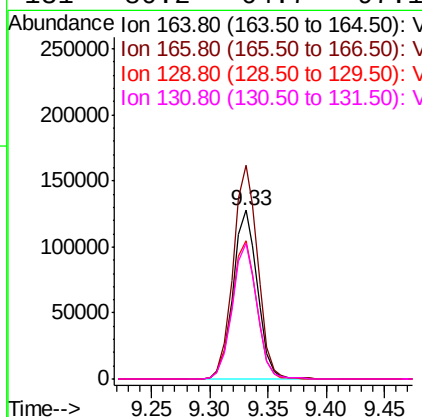
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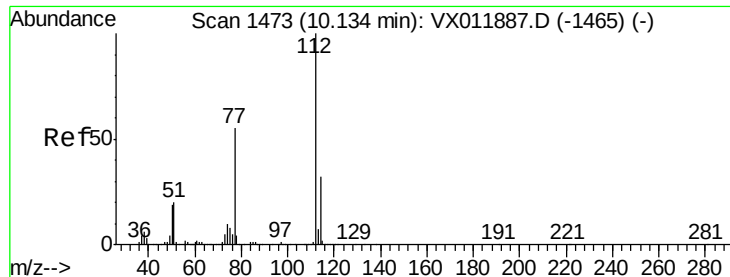
MMDadoda
9/3/2019 2:41:10 AM



#64
Tetrachloroethene
Concen: 54.482 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion:	164	Resp:	186659
Ion Ratio	Lower	Upper	
164	100		
166	126.5	101.4	152.0
129	82.0	68.0	102.0
131	80.2	64.7	97.1





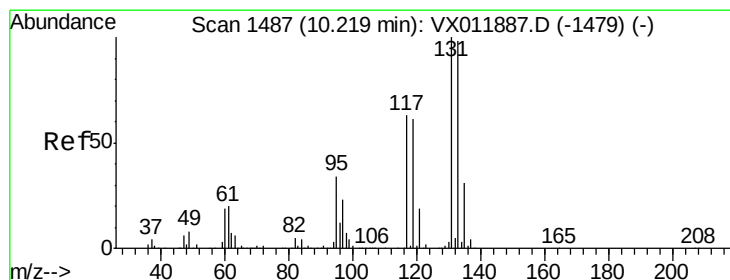
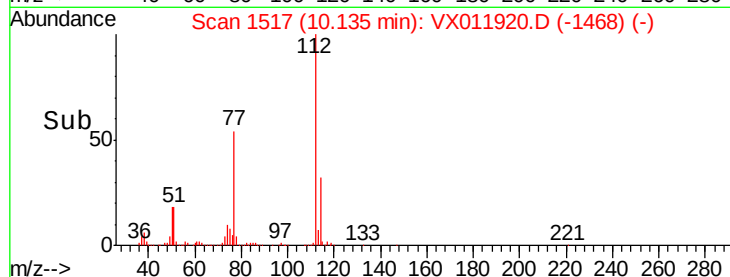
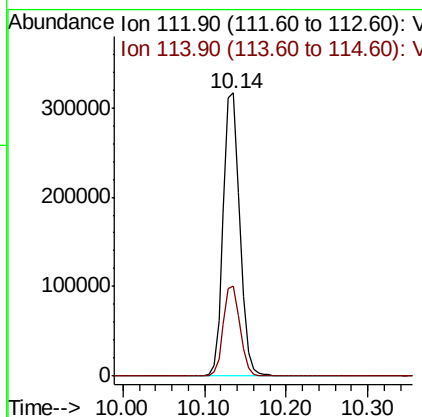
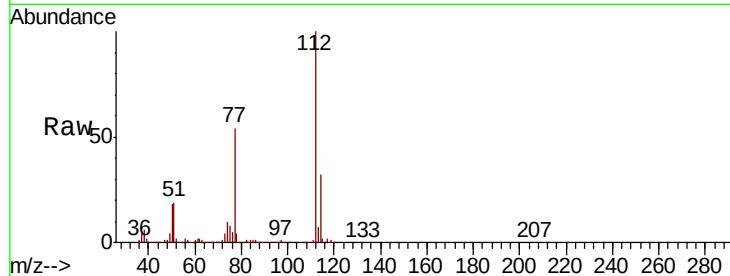
#65
Chlorobenzene
Concen: 54.247 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.9	38.9

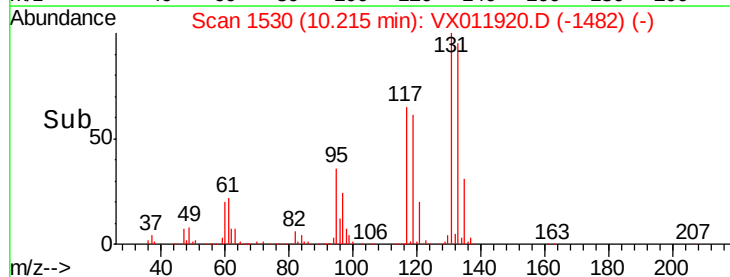
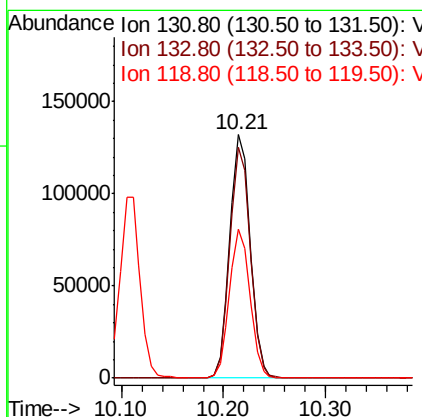
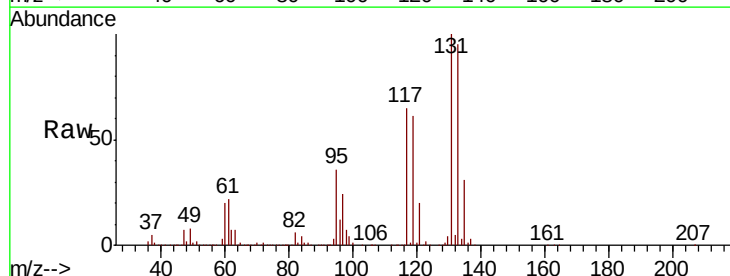
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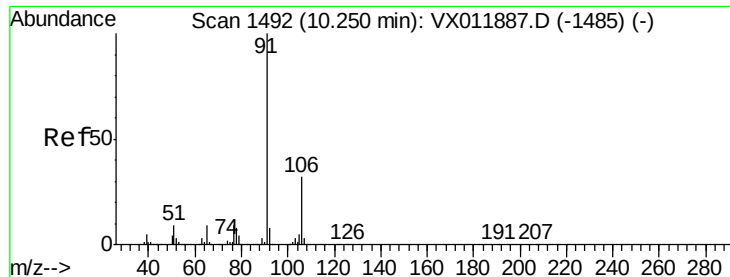
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.629 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.4	145.0
119	61.9	30.6	92.0





#67

Ethyl Benzene

Concen: 53.338 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 748853

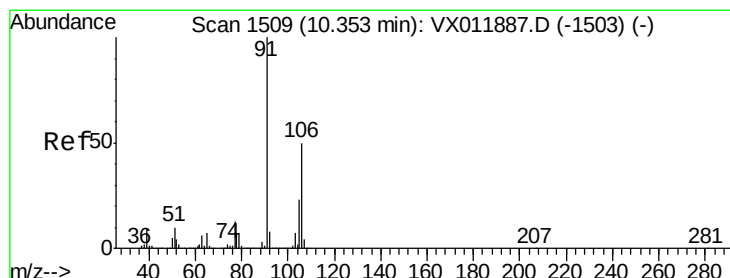
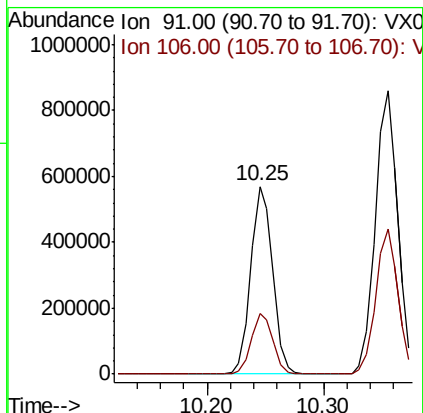
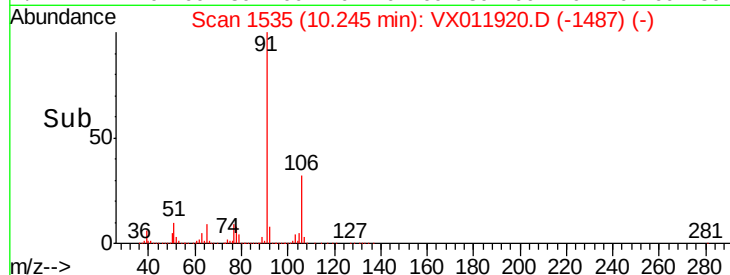
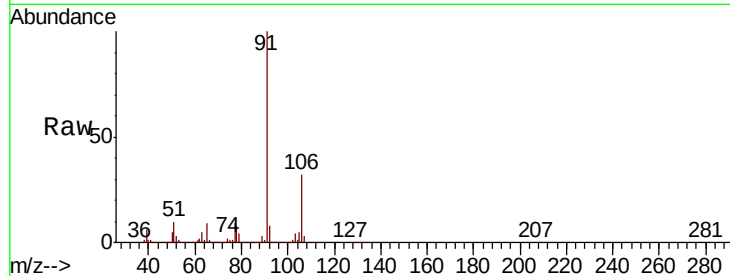
Ion Ratio Lower Upper

91 100

106 32.1 25.8 38.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 107.725 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011920.D

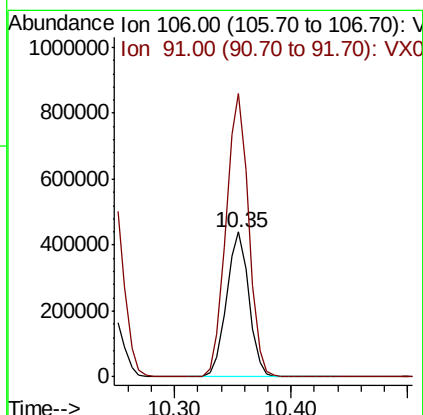
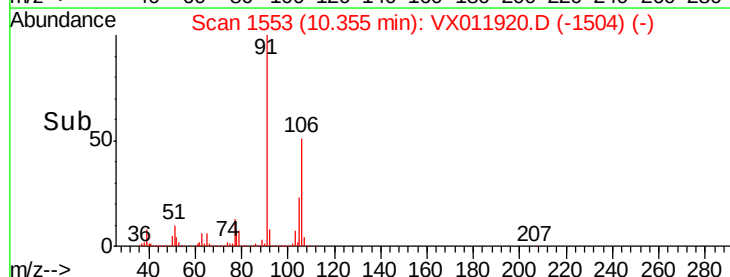
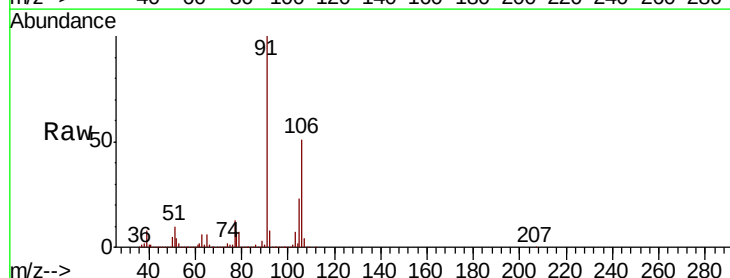
Acq: 30 Aug 2019 21:46

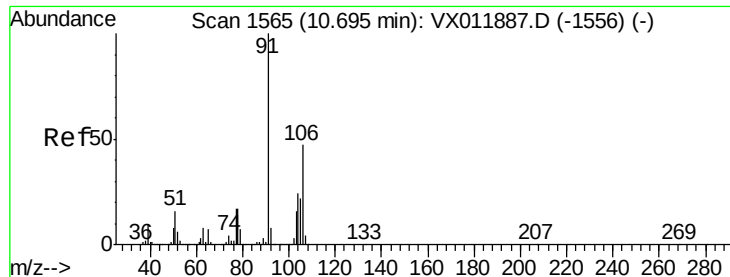
Tgt Ion: 106 Resp: 584000

Ion Ratio Lower Upper

106 100

91 197.8 158.6 237.8





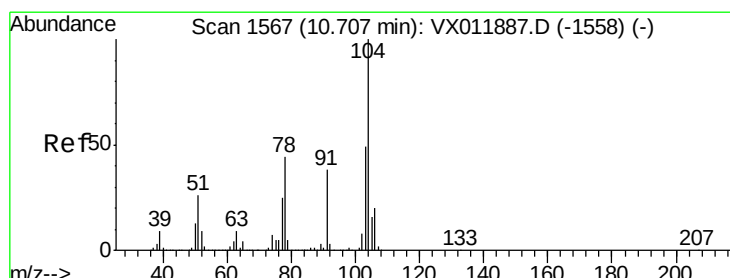
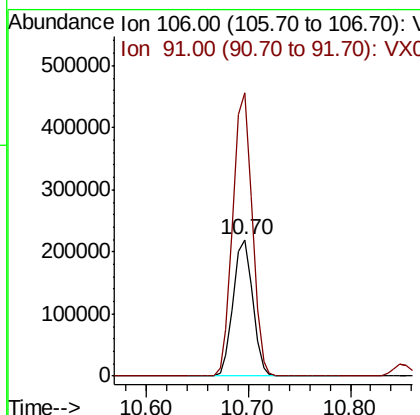
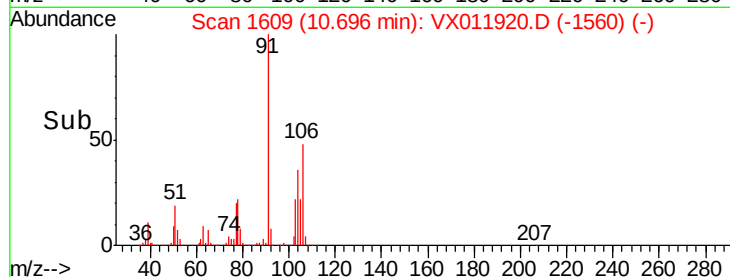
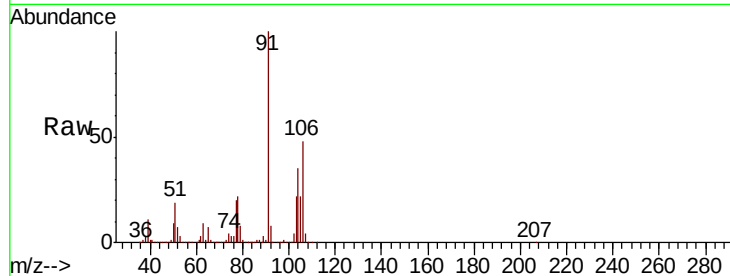
#69
o-Xylene
Concen: 54.480 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	287806		
91	207.2	104.8	314.6		

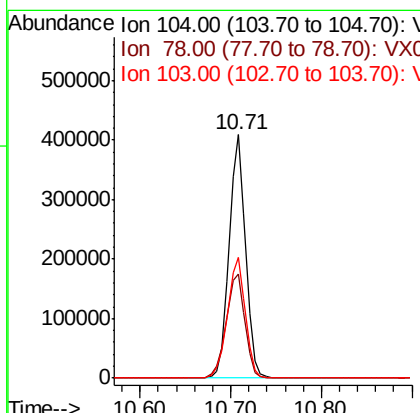
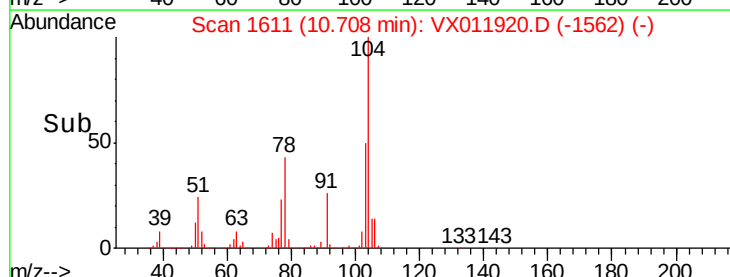
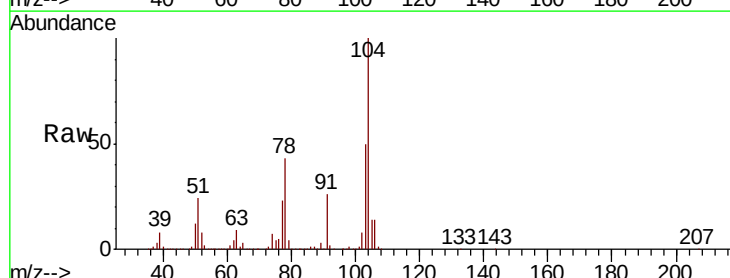
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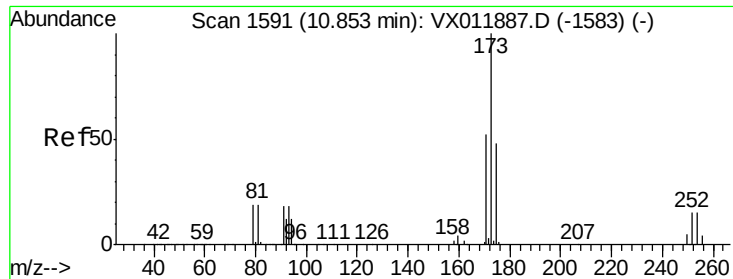
MMDadoda
9/3/2019 2:41:10 AM



#70
Styrene
Concen: 55.014 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	512260		
78	49.1	39.2	58.8		
103	53.9	43.0	64.6		





#71

Bromoform

Concen: 56.296 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 132863

Ion Ratio Lower Upper

173 100

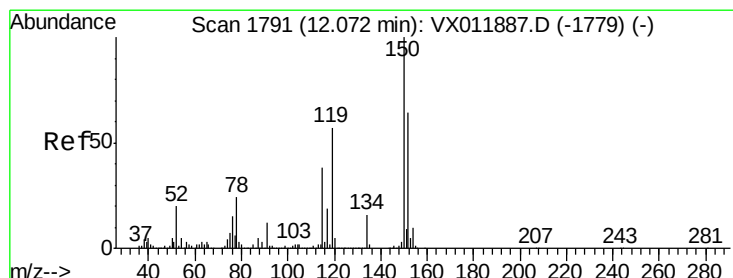
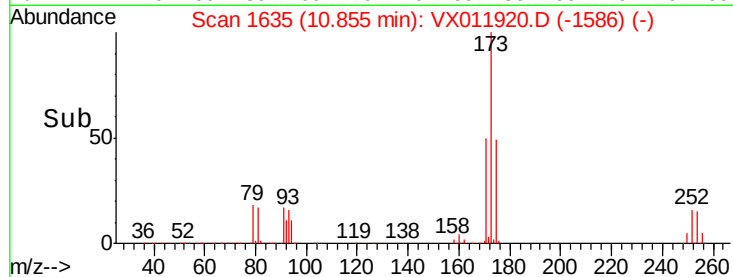
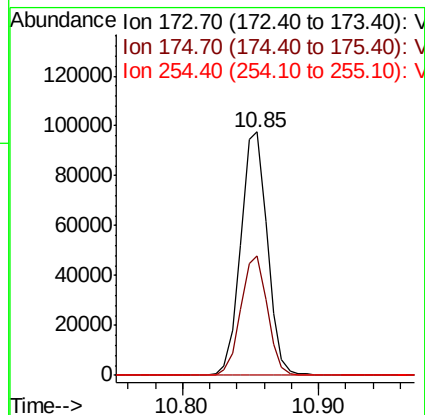
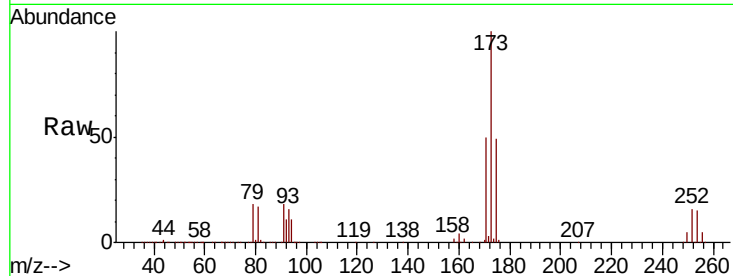
175 49.0 24.4 73.2

254 0.3 0.1 0.1#

Manual Integrations
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MMDadoda

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

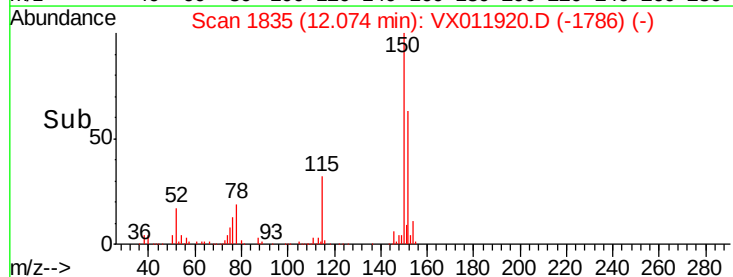
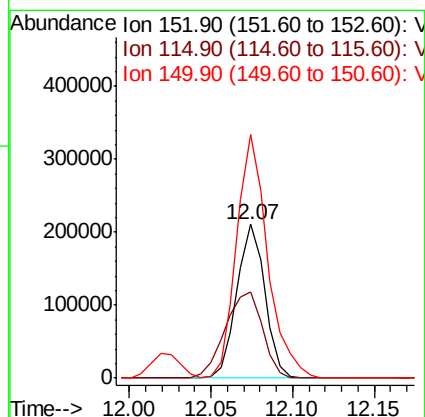
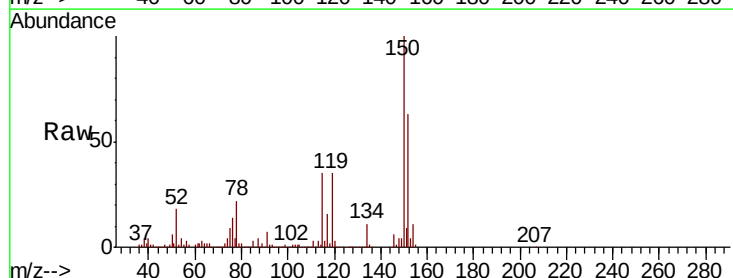
Tgt Ion:152 Resp: 253337

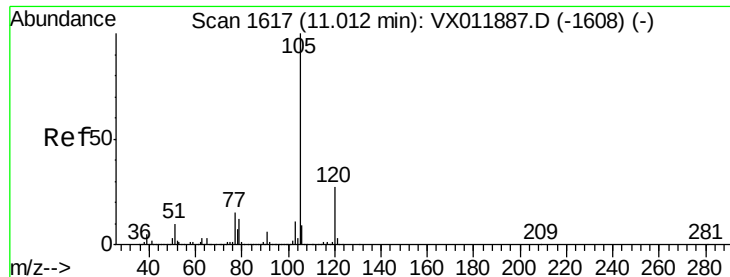
Ion Ratio Lower Upper

152 100

115 74.4 37.1 111.3

150 174.1 0.0 339.6





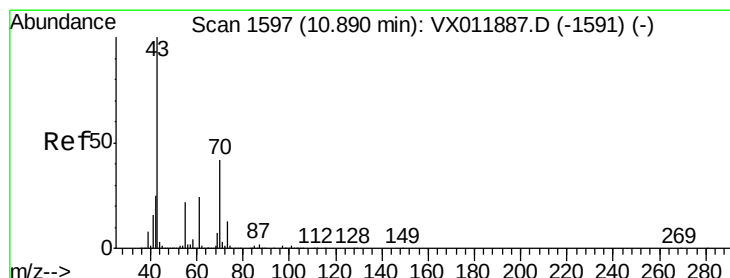
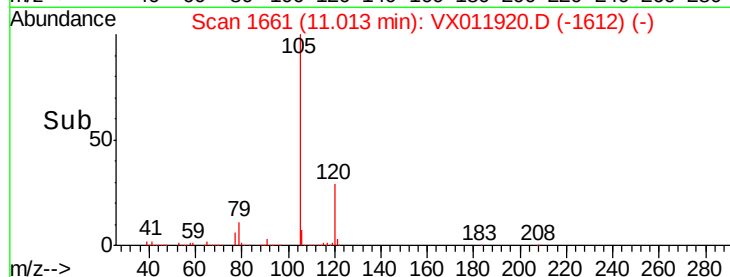
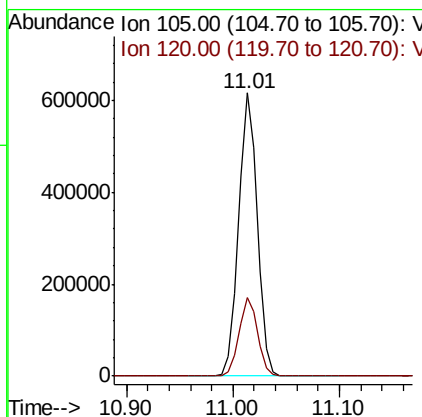
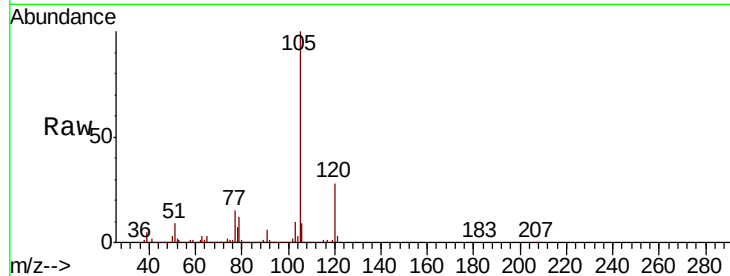
#73
Isopropylbenzene
Concen: 52.226 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.8	41.4

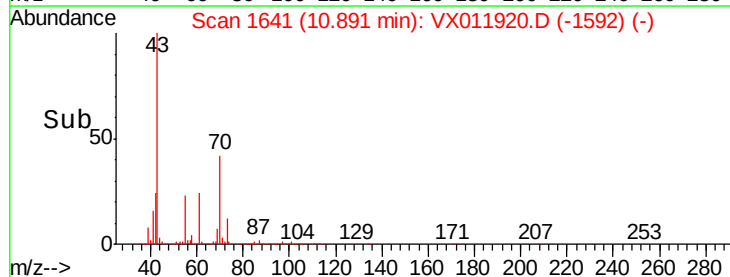
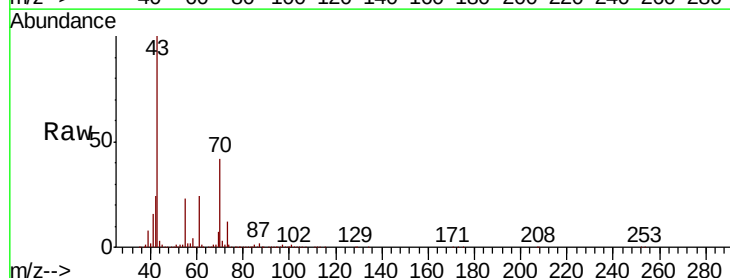
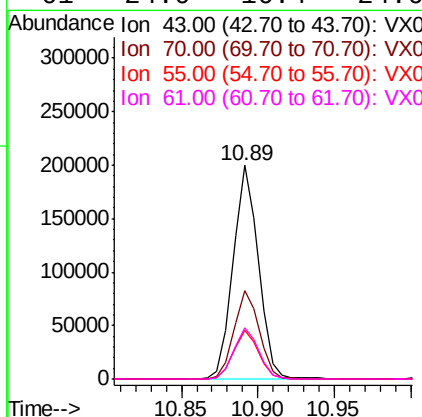
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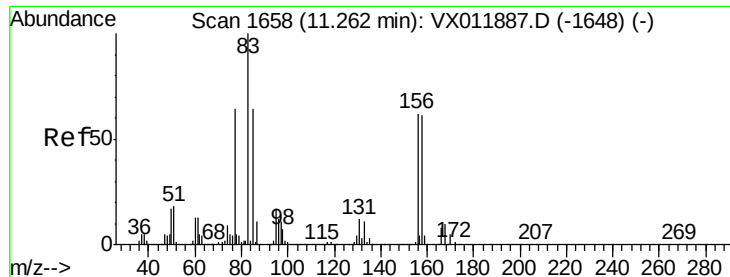
MMDadoda
9/3/2019 2:41:10 AM



#74
N-ethyl acetate
Concen: 52.492 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.2	0.2	0.2#
55	22.8	0.1	0.1#
61	24.0	16.4	24.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.320 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

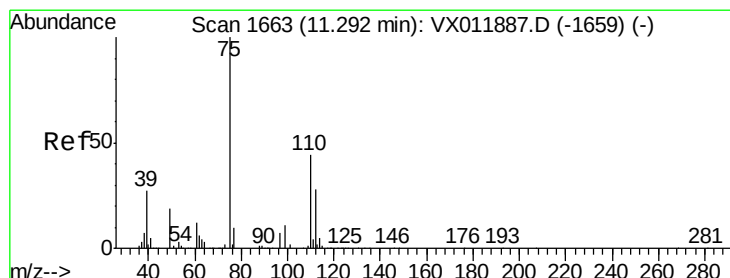
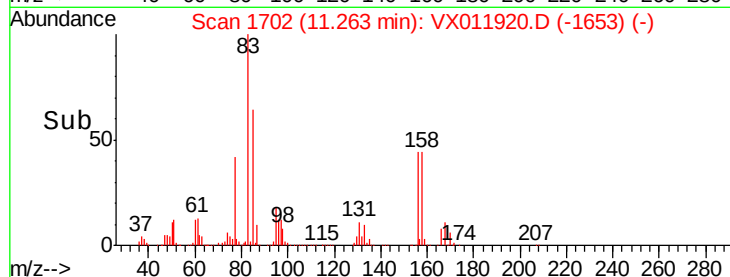
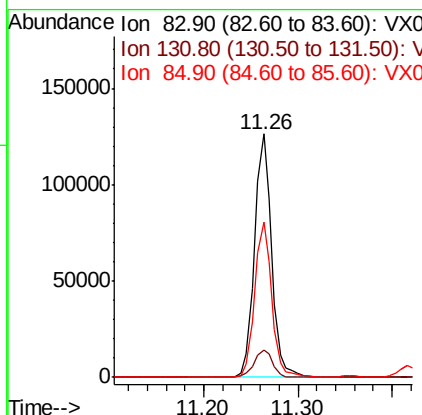
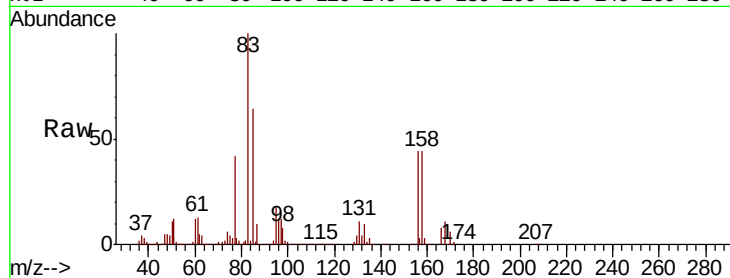
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	161821
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.0	18.0
85	64.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 56.820 ug/l m

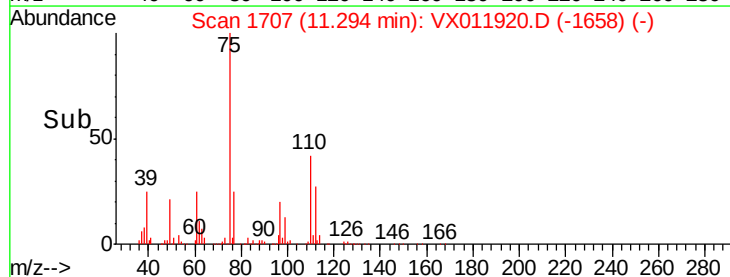
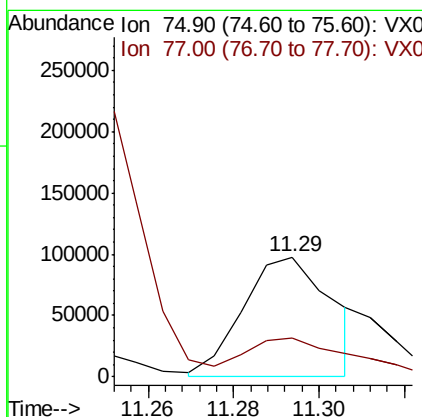
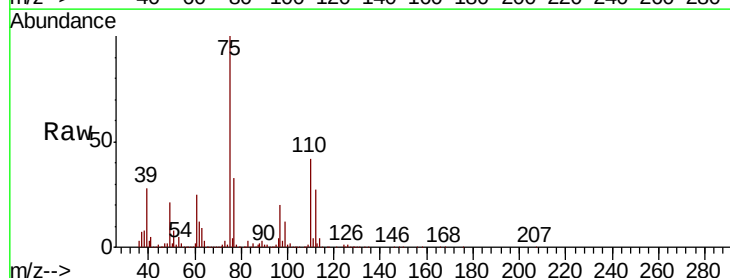
RT: 11.29 min Scan# 1707

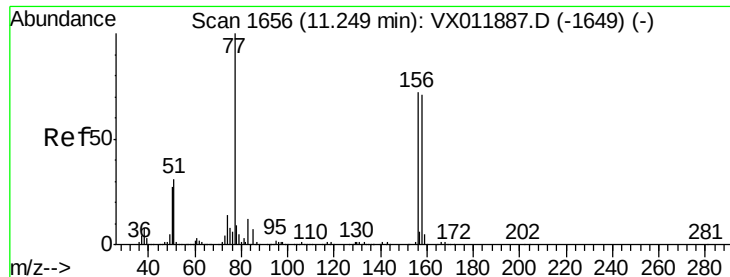
Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Tgt Ion:	75	Resp:	141601
Ion Ratio	Lower	Upper	
75	100		
77	38.9	20.9	62.7





#77

Bromobenzene

Concen: 54.402 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

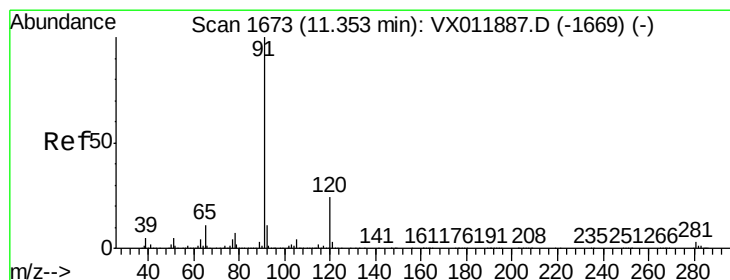
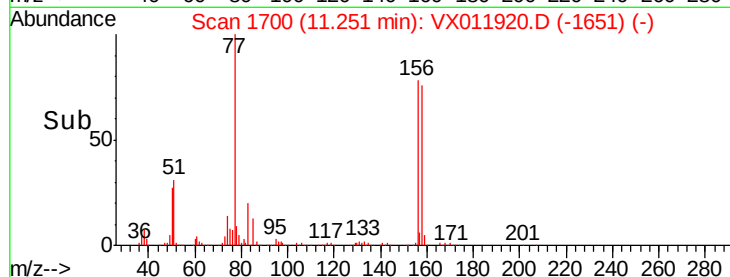
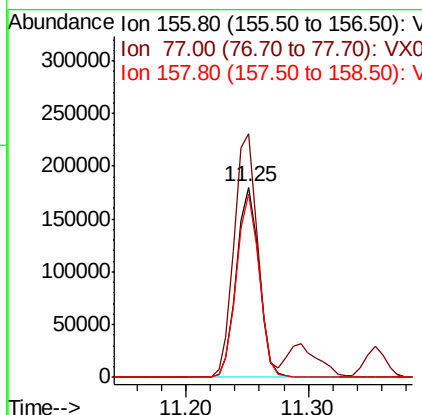
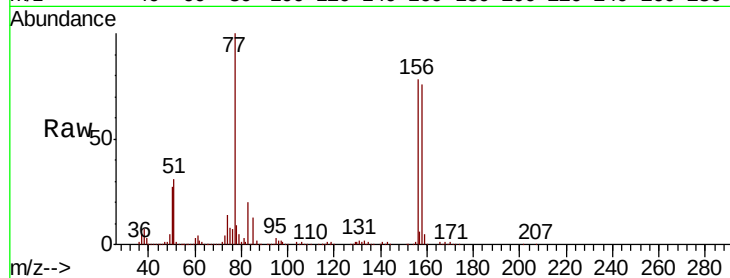
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	229666
Ion Ratio	Lower	Upper	
156	100		
77	132.7	68.1	204.3
158	96.5	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.369 ug/l

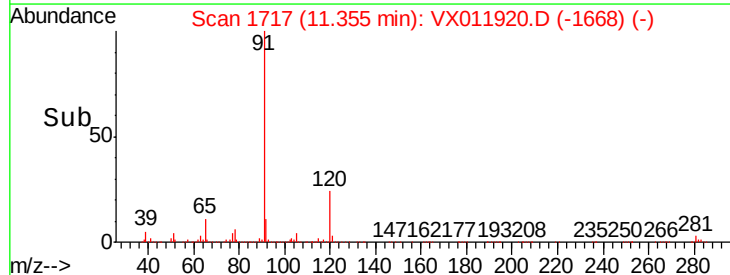
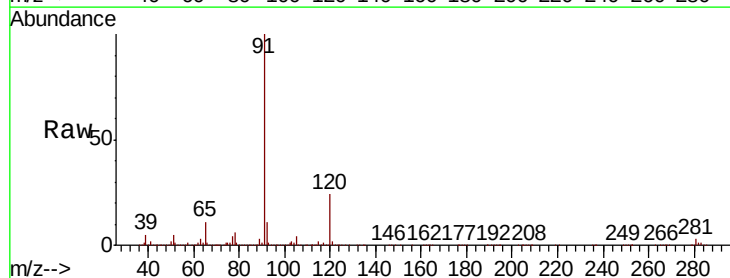
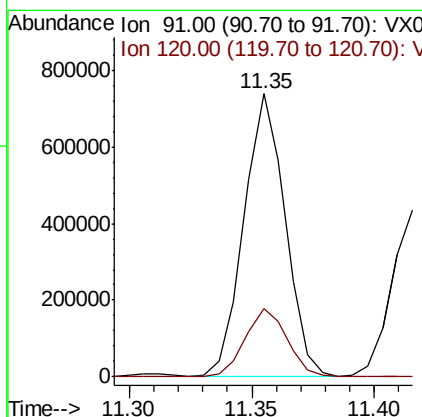
RT: 11.35 min Scan# 1717

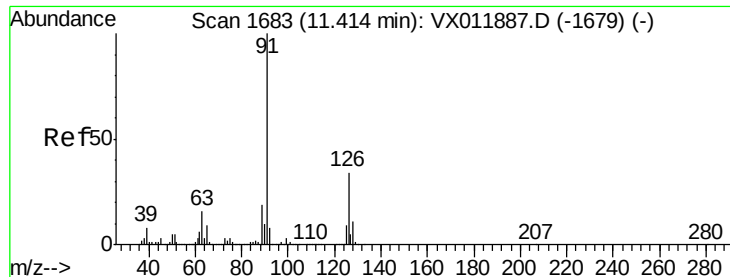
Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Tgt Ion:	91	Resp:	864415
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.3	36.9





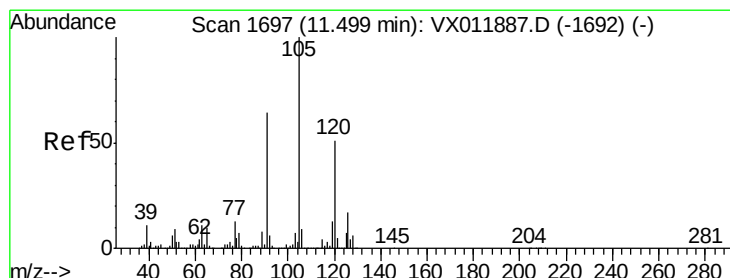
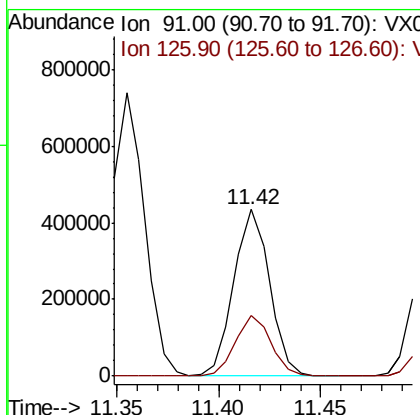
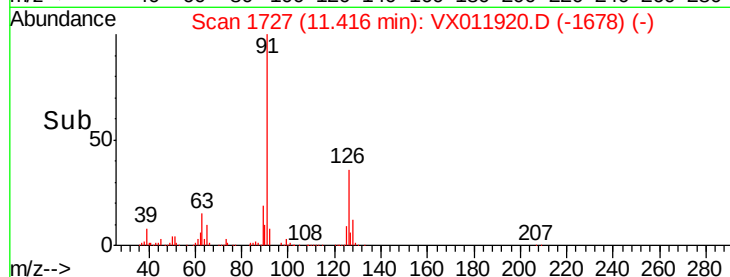
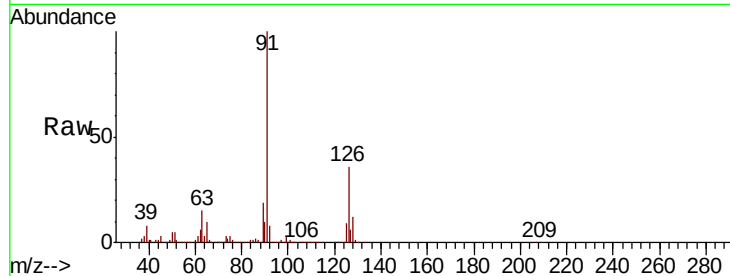
#79
 2-Chlorotoluene
 Concen: 53.147 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 528033
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.9 53.8

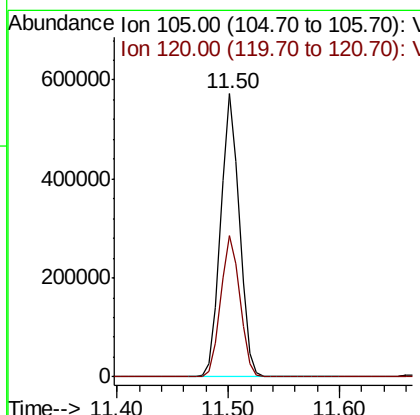
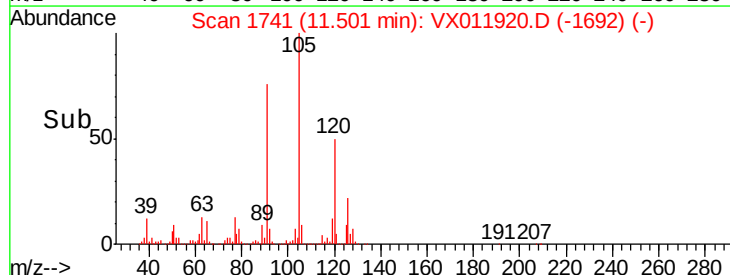
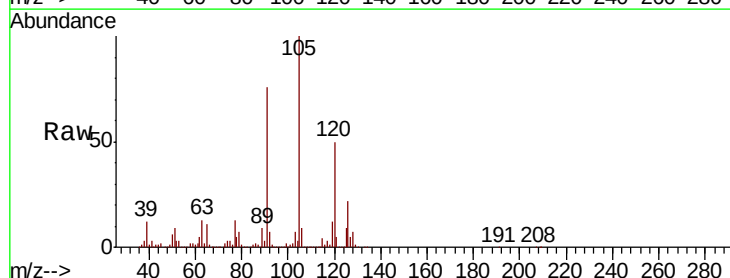
Manual Integrations
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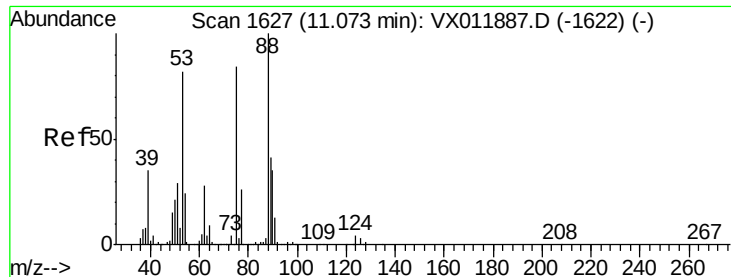
MMDadoda
 9/3/2019 2:41:10 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.046 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Tgt Ion: 105 Resp: 666476
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.3 75.9





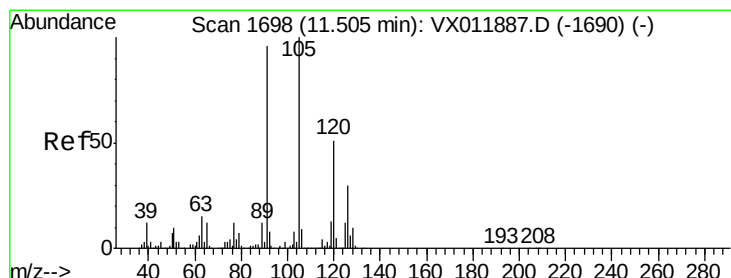
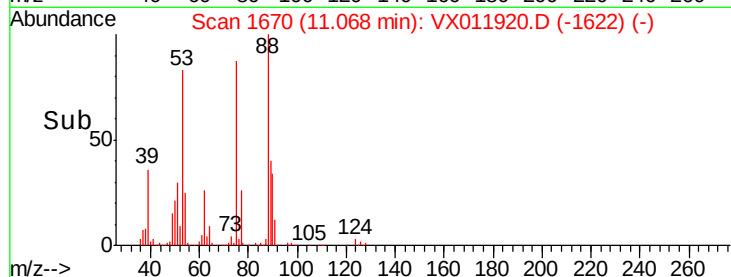
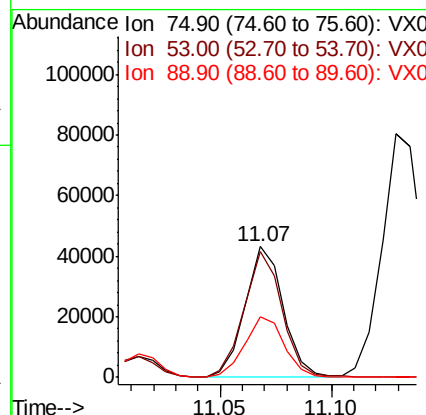
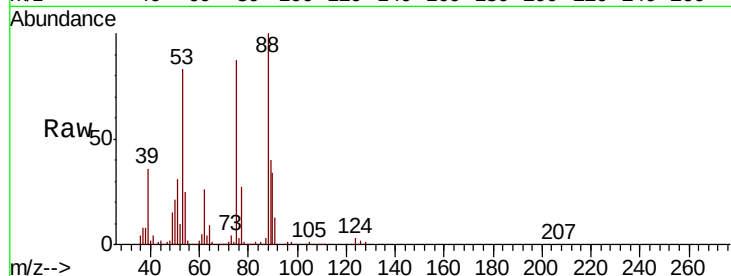
#81
trans-1,4-Dichloro-2-butene
Concen: 52.147 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	77.1	115.7
89	47.9	38.2	57.2

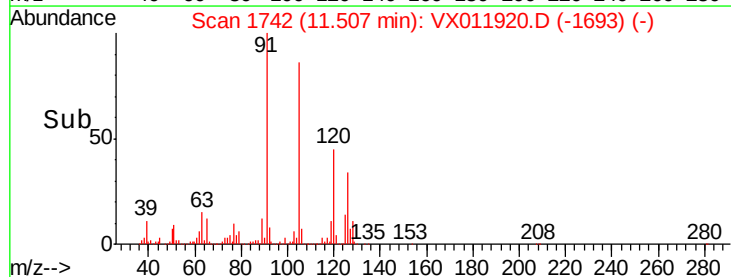
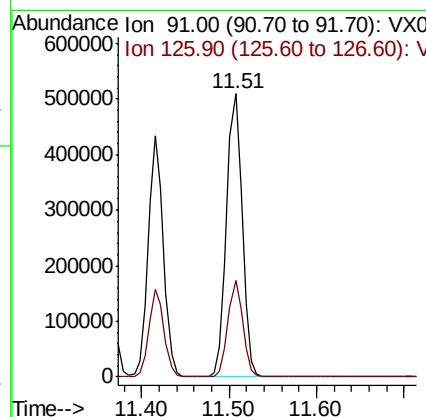
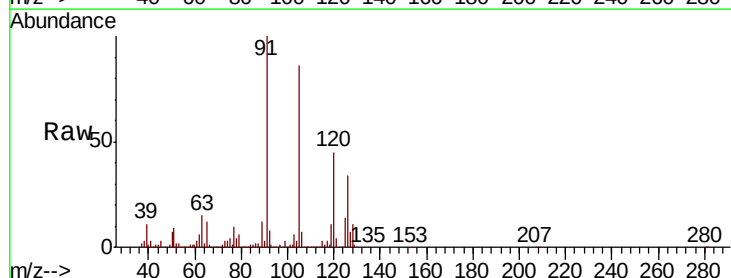
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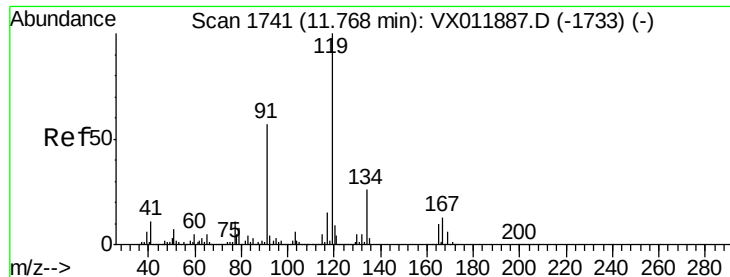
MMDadoda
9/3/2019 2:41:10 AM



#82
4-Chlorotoluene
Concen: 52.461 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.6





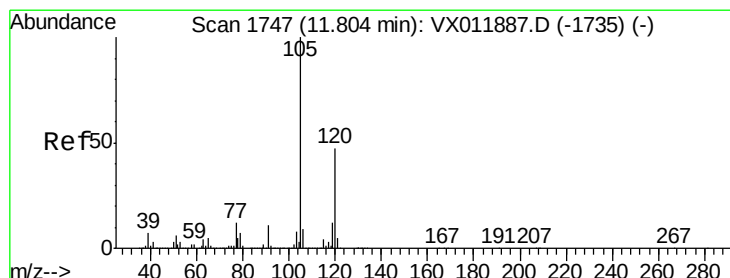
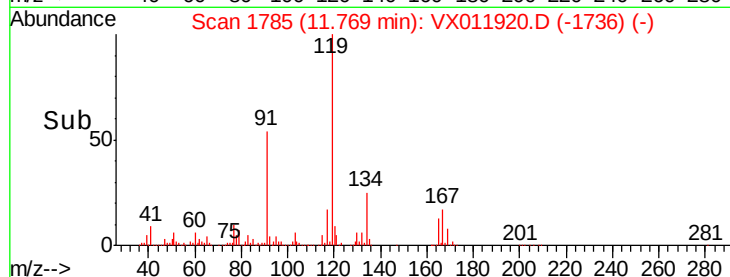
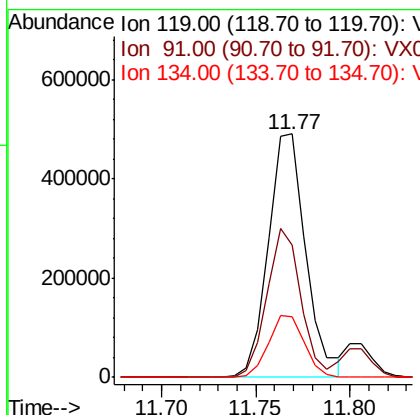
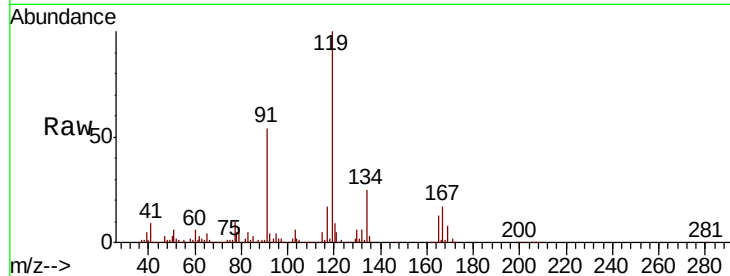
#83
tert-Butylbenzene
Concen: 53.211 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	27.9	83.6
134	24.4	12.3	36.8

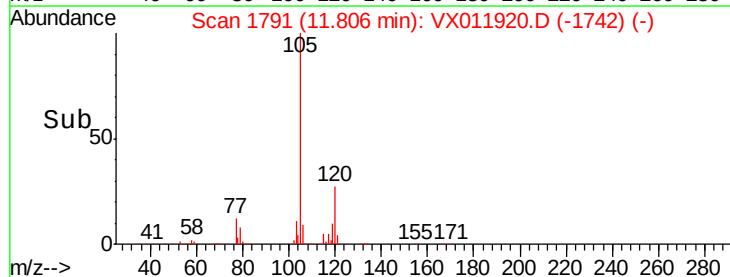
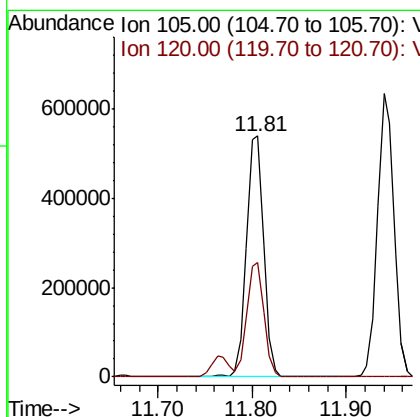
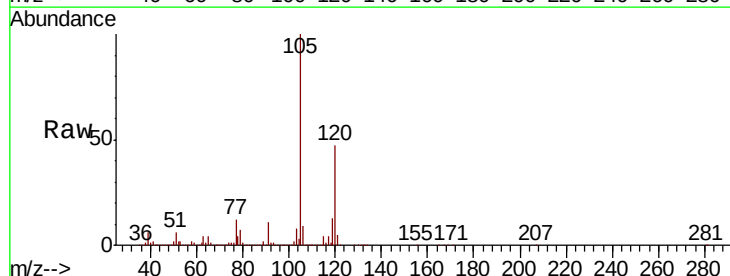
Manual Integrations
APPROVED

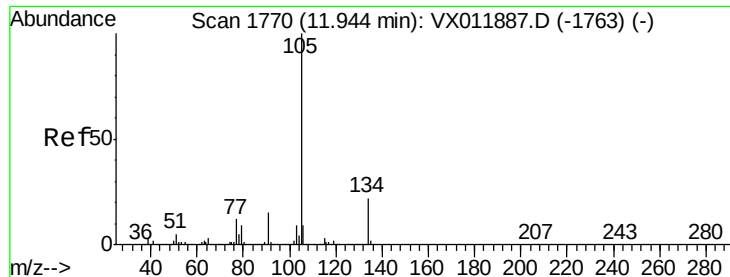
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#84
1,2,4-Trimethylbenzene
Concen: 53.066 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 52.111 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 771661

Ion Ratio Lower Upper

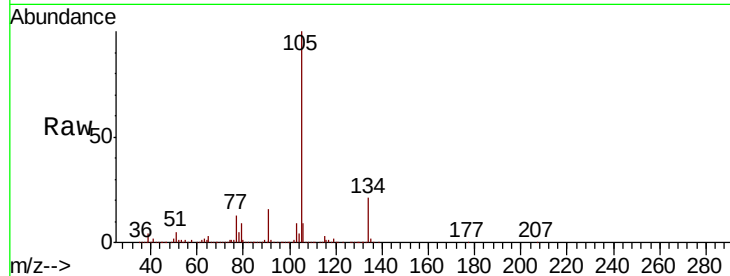
105 100

134 22.0 10.9 32.7

Manual Integrations
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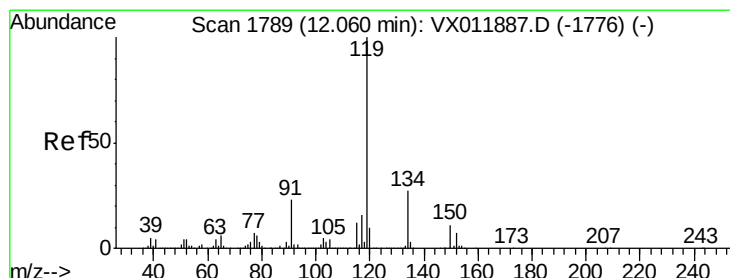
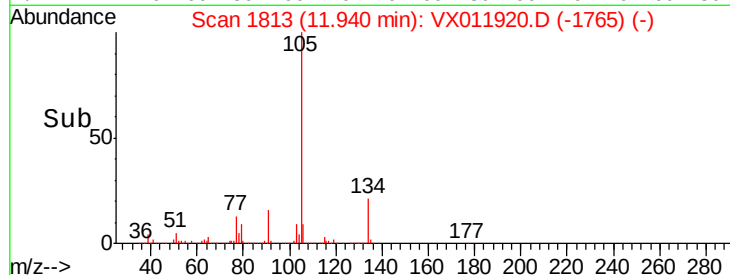
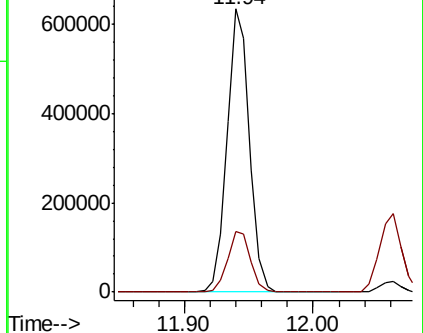
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.972 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

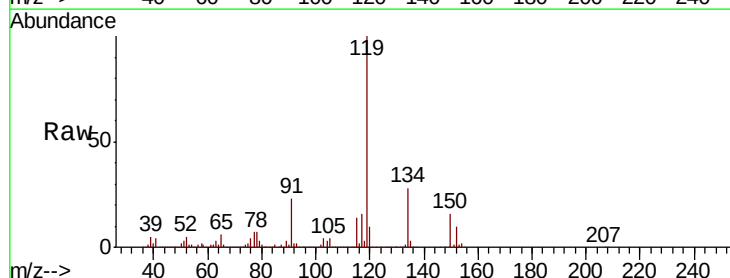
Tgt Ion:119 Resp: 760614

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

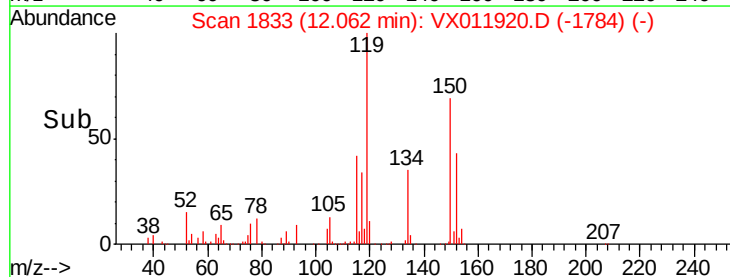
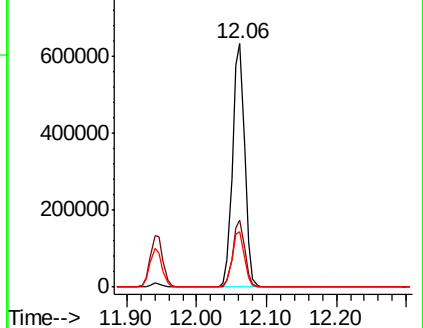
91 23.1 11.6 34.7

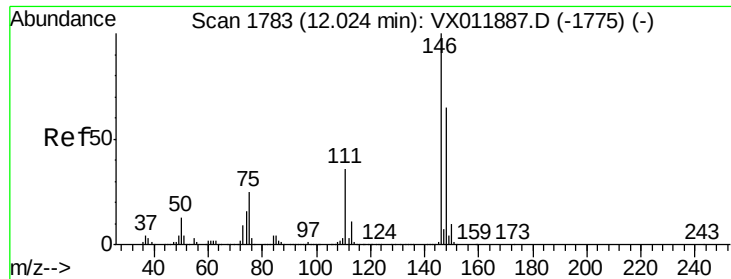


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





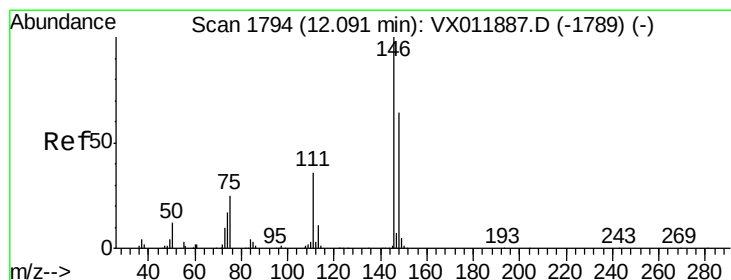
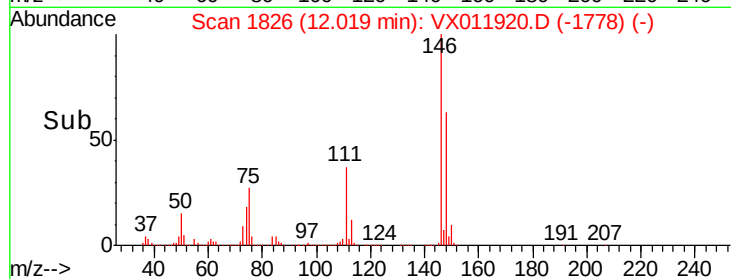
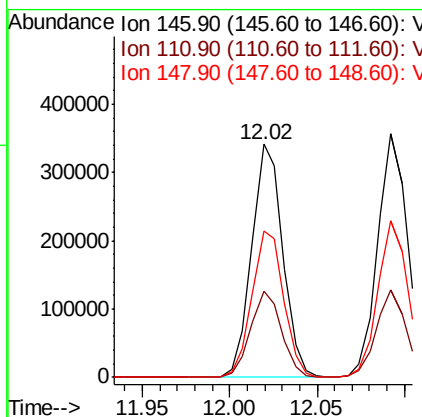
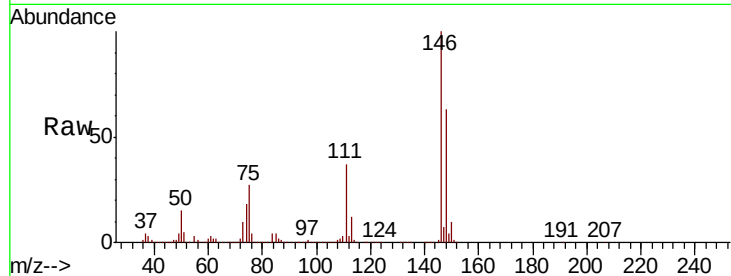
#87
 1,3-Dichlorobenzene
 Concen: 53.790 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	64.3	32.1	96.5

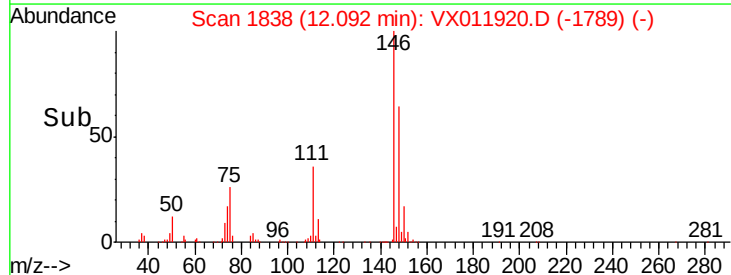
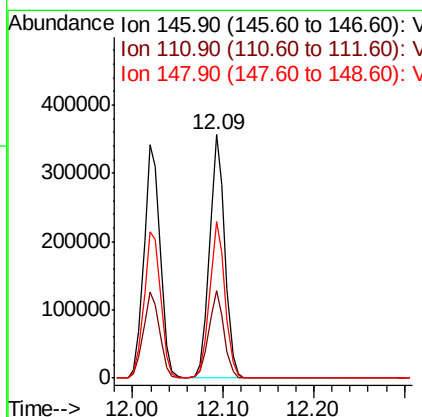
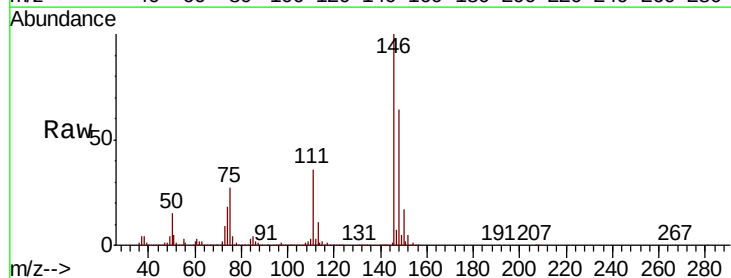
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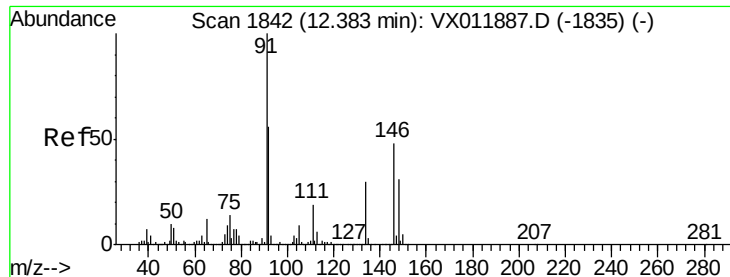
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#88
 1,4-Dichlorobenzene
 Concen: 53.671 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.9	53.7
148	64.2	32.4	97.0





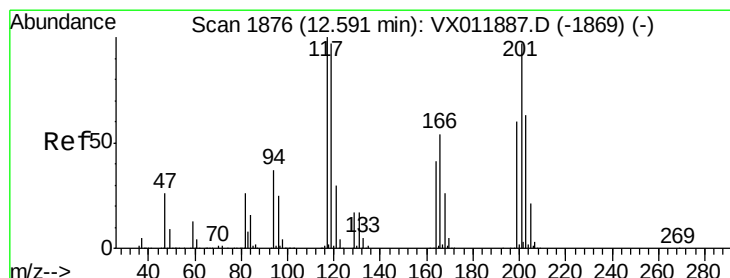
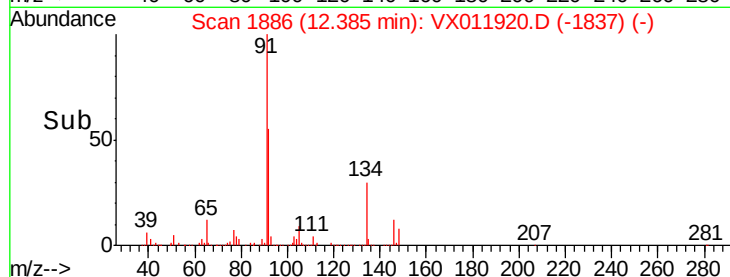
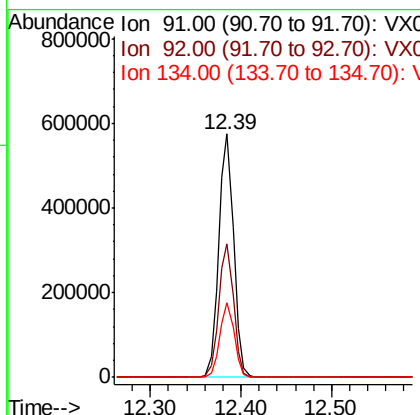
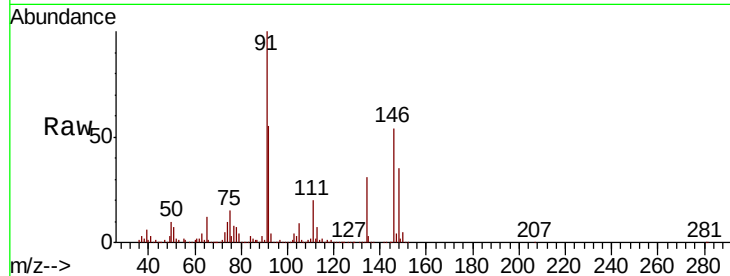
#89
n-Butylbenzene
Concen: 51.825 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.6	82.8
134	29.9	14.8	44.3

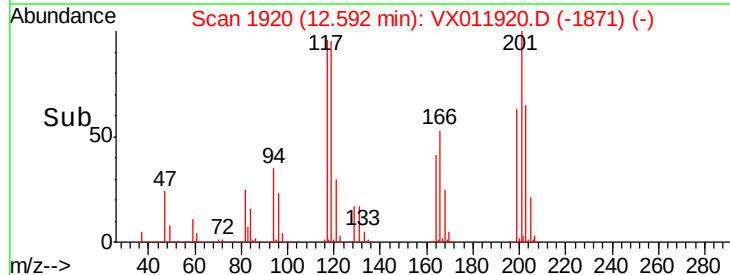
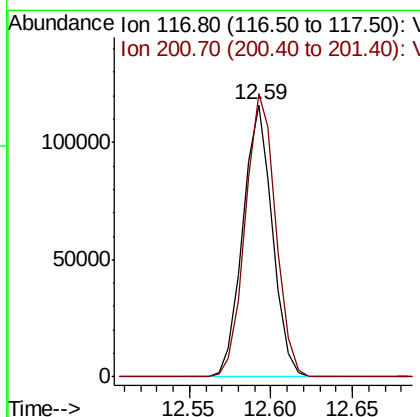
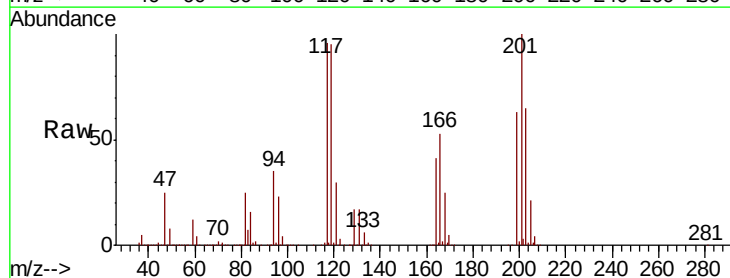
Manual Integrations
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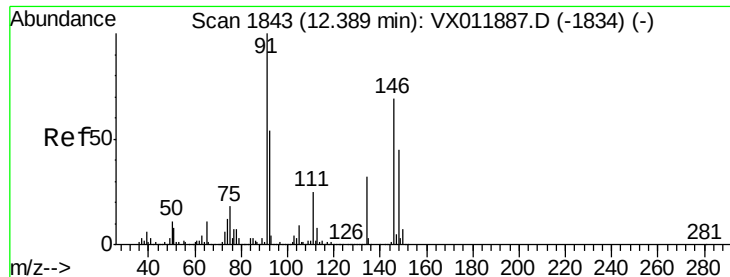
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#90
Hexachloroethane
Concen: 52.777 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011920.D
Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.7	52.8	158.5





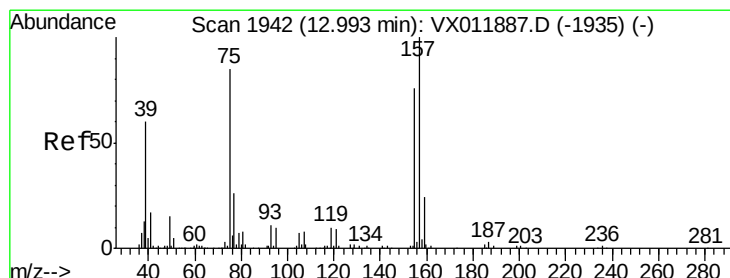
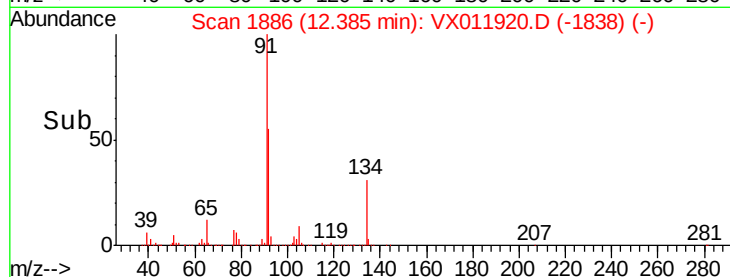
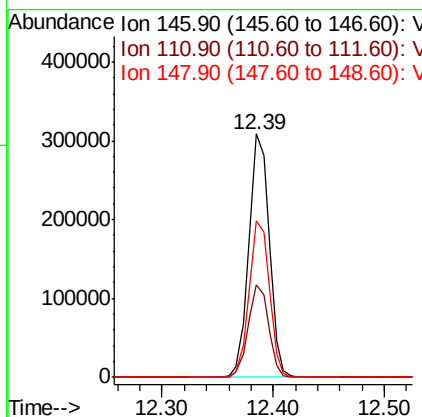
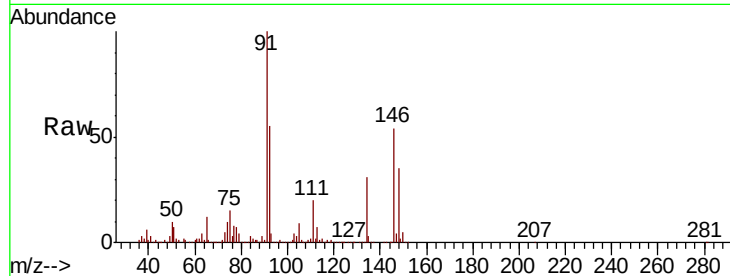
#91
 1,2-Dichlorobenzene
 Concen: 53.932 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	393413		
111	38.1	18.9	56.5	
148	64.4	32.1	96.3	

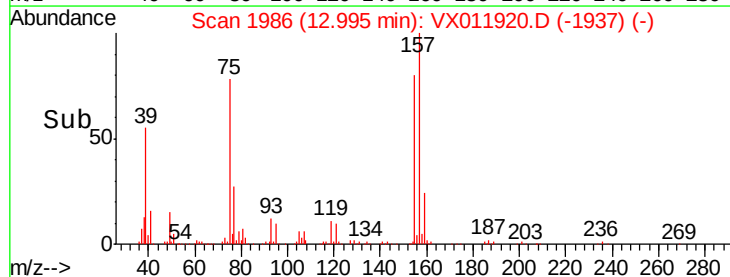
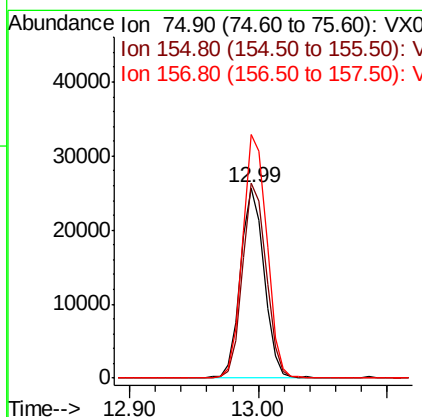
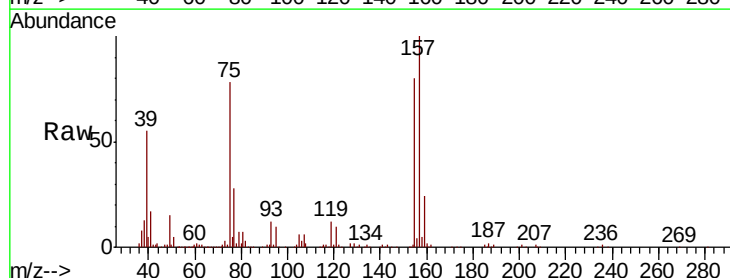
Manual Integrations
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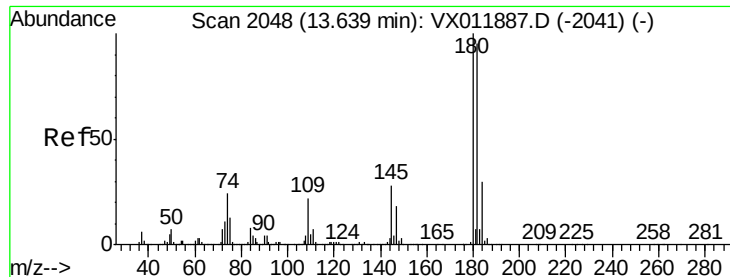
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 9/3/2019 2:41:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.325 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32831		
155	101.7	50.1	150.4	
157	129.8	63.9	191.7	





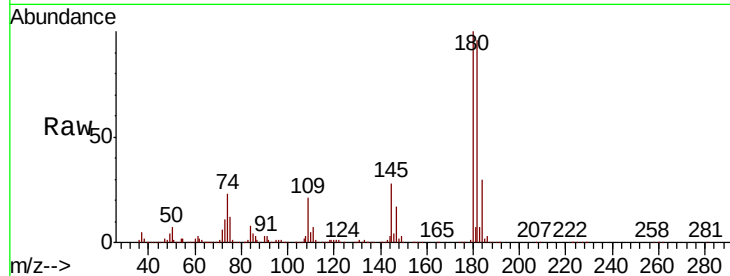
#93
 1,2,4-Trichlorobenzene
 Concen: 54.414 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

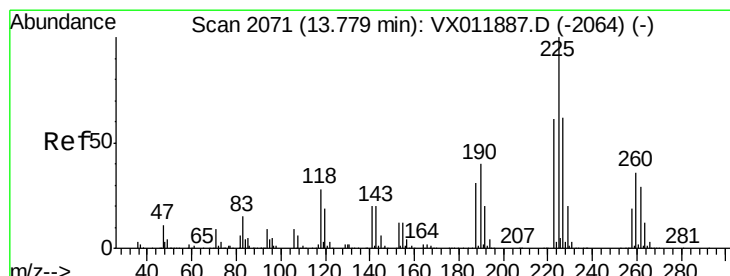
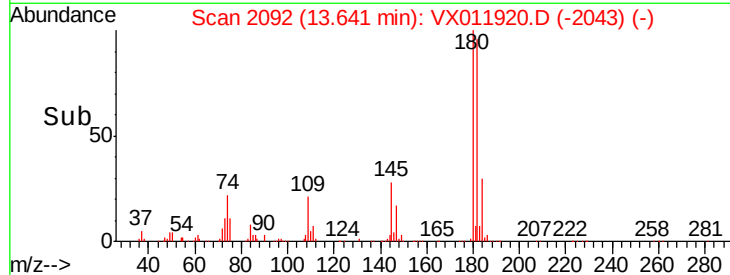
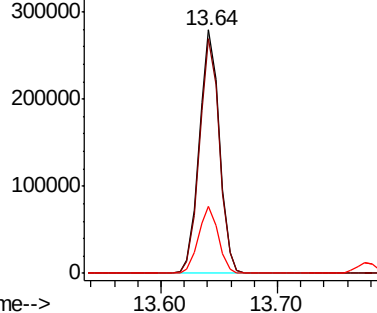
Tot Ion:	180	Resp:	334221
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.1	144.4
145	27.2	13.8	41.3

Manual Integrations
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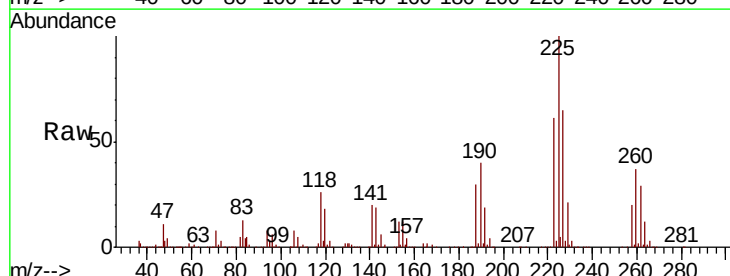


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

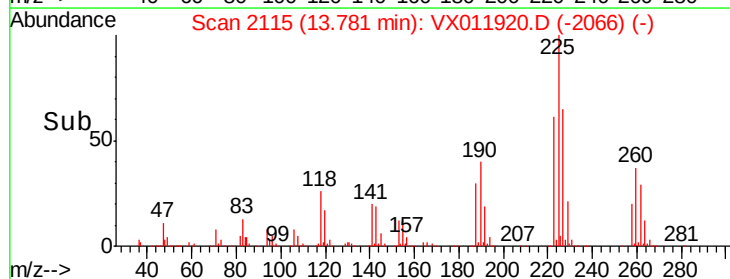
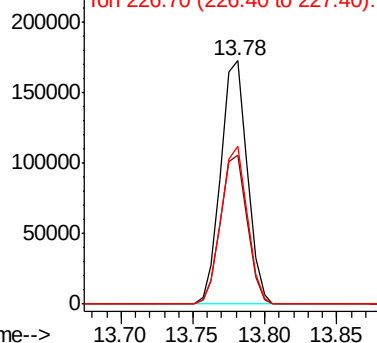


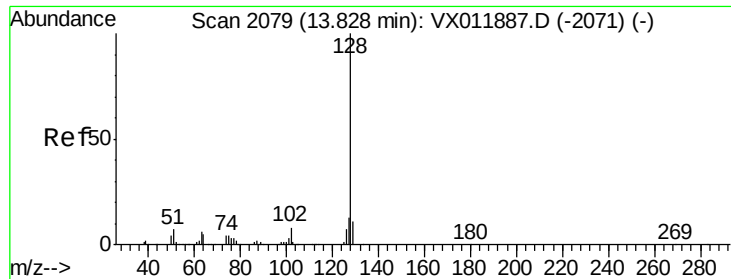
#94
 Hexachlorobutadiene
 Concen: 53.261 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX011920.D
 Acq: 30 Aug 2019 21:46

Tgt Ion:	225	Resp:	218474
Ion Ratio	Lower	Upper	
225	100		
223	61.5	30.8	92.3
227	64.0	31.9	95.7



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





#95

Naphthalene

Concen: 54.960 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Instrument :

MSVOA_X

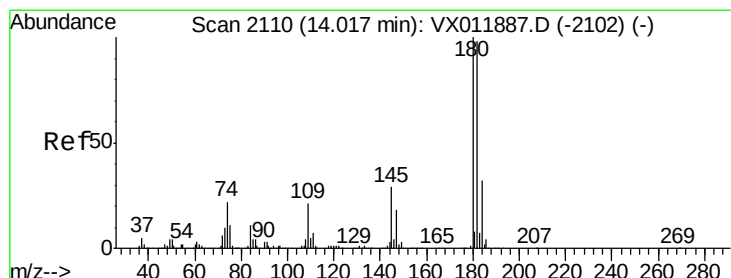
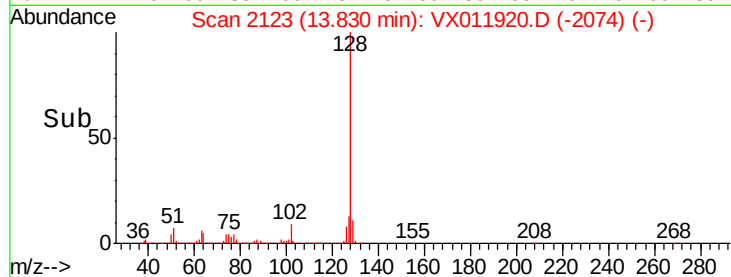
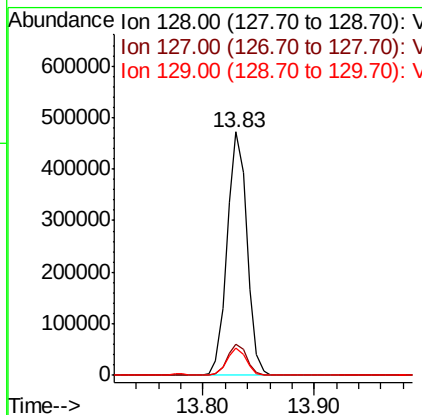
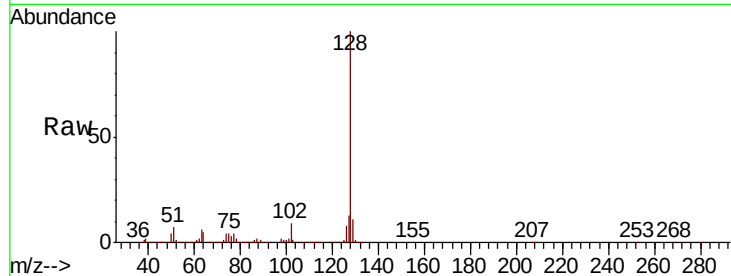
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	579354
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:41:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.291 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX011920.D

Acq: 30 Aug 2019 21:46

Tgt Ion:	180	Resp:	301551
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.3	144.8
145	29.1	14.6	43.8

