

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011899.D
 Acq On : 30 Aug 2019 04:55
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:25 AM

Quant Time: Aug 30 06:30:41 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	5.65	168	308084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	466345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	447728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	267117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	166325	56.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.70%	
35) Dibromofluoromethane	5.48	113	154753	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	8.71	98	552773	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.13	95	244212	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	76397	41.086	ug/l	99
3) Chloromethane	1.31	50	108579	50.372	ug/l	100
4) Vinyl Chloride	1.40	62	96807	47.032	ug/l	98
5) Bromomethane	1.63	94	76342	53.604	ug/l	99
6) Chloroethane	1.71	64	65043	50.774	ug/l	95
7) Trichlorofluoromethane	1.92	101	160134	44.797	ug/l	99
8) Diethyl Ether	2.17	74	66102	53.807	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	103437	44.397	ug/l	100
10) Methyl Iodide	2.49	142	123981	48.834	ug/l	98
11) Tert butyl alcohol	3.03	59	77992	274.641	ug/l	100
12) 1,1-Dichloroethene	2.36	96	106181	49.071	ug/l	98
13) Acrolein	2.28	56	31158	220.444	ug/l	99
14) Allyl chloride	2.71	41	210797	51.933	ug/l	99
15) Acrylonitrile	3.13	53	191083	283.170	ug/l	99
16) Acetone	2.43	43	160850	253.270	ug/l	100
17) Carbon Disulfide	2.56	76	314441	50.663	ug/l	100
18) Methyl Acetate	2.76	43	112329	63.894	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	391042	55.784	ug/l	99
20) Methylene Chloride	2.84	84	152018	56.762	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	133165	52.245	ug/l	100
22) Diisopropyl ether	3.84	45	456264	55.062	ug/l	98
23) Vinyl Acetate	3.80	43	1427538	267.955	ug/l	99
24) 1,1-Dichloroethane	3.68	63	245979	53.831	ug/l	100
25) 2-Butanone	4.65	43	258827	279.816	ug/l	98
26) 2,2-Dichloropropane	4.57	77	172269	44.949	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	166927	55.599	ug/l	97
28) Bromochloromethane	5.00	49	114172	55.682	ug/l	99
29) Tetrahydrofuran	5.12	42	164937	285.682	ug/l	99
30) Chloroform	5.20	83	266396	54.524	ug/l	96
31) Cyclohexane	5.57	56	158406	42.979	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	221137	50.952	ug/l	99
36) 1,1-Dichloropropene	5.79	75	168231	45.535	ug/l	99
37) Ethyl Acetate	4.82	43	113082	51.707	ug/l	99
38) Carbon Tetrachloride	5.77	117	193745	45.216	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	174769	39.714	ug/l	100
40) Benzene	6.13	78	548868	49.770	ug/l	99
41) Methacrylonitrile	5.02	41	70310	54.602	ug/l	97
42) 1,2-Dichloroethane	6.18	62	194509	51.864	ug/l	100
43) Isopropyl Acetate	6.43	43	230368	51.955	ug/l	100
44) Trichloroethene	7.21	130	167249	49.016	ug/l	99
45) 1,2-Dichloropropane	7.51	63	145271	50.359	ug/l	99
46) Dibromomethane	7.65	93	89658	52.370	ug/l	100
47) Bromodichloromethane	7.89	83	218381	51.441	ug/l	99
48) Methyl methacrylate	7.76	41	112547	52.168	ug/l	98
49) 1,4-Dioxane	7.73	88	32461	1094.179	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	596284	264.722	ug/l	99
52) Toluene	8.78	92	362877	49.737	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	218035	50.140	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	244631	50.114	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	129501	51.670	ug/l	99
56) Ethyl methacrylate	9.17	69	180592	51.917	ug/l	100
57) 1,3-Dichloropropane	9.37	76	215127	51.714	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	428708	258.761	ug/l	99
59) 2-Hexanone	9.49	43	417291	260.802	ug/l	100
60) Dibromochloromethane	9.58	129	174786	51.924	ug/l	100
61) 1,2-Dibromoethane	9.66	107	129288	52.030	ug/l	99
64) Tetrachloroethene	9.33	164	177905	49.397	ug/l	98
65) Chlorobenzene	10.13	112	433095	49.917	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	176964	50.437	ug/l	99
67) Ethyl Benzene	10.25	91	713307	48.332	ug/l	100
68) m/p-Xylenes	10.35	106	557227	97.780	ug/l	99
69) o-Xylene	10.69	106	275867	49.676	ug/l	99
70) Styrene	10.71	104	492856	50.352	ug/l	100
71) Bromoform	10.85	173	128806	51.919	ug/l #	100
73) Isopropylbenzene	11.01	105	706286	46.018	ug/l	99
74) N-amyl acetate	10.89	43	219524	48.197	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	154196	49.090	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	130886m	49.811	ug/l	
77) Bromobenzene	11.25	156	220929	49.633	ug/l	98
78) n-propylbenzene	11.35	91	805078	46.258	ug/l	100
79) 2-Chlorotoluene	11.41	91	502371	47.955	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	630902	47.624	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	46860	44.801	ug/l	100
82) 4-Chlorotoluene	11.51	91	605386	47.902	ug/l	100
83) tert-Butylbenzene	11.77	119	621519	46.236	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	652167	48.036	ug/l	100
85) sec-Butylbenzene	11.94	105	710237	45.489	ug/l	99
86) p-Isopropyltoluene	12.06	119	704313	46.521	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	400963	48.468	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	406003	48.547	ug/l	100
89) n-Butylbenzene	12.38	91	605571	45.210	ug/l	100
90) Hexachloroethane	12.59	117	138903	47.424	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	380909	49.524	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32534	51.997	ug/l	100

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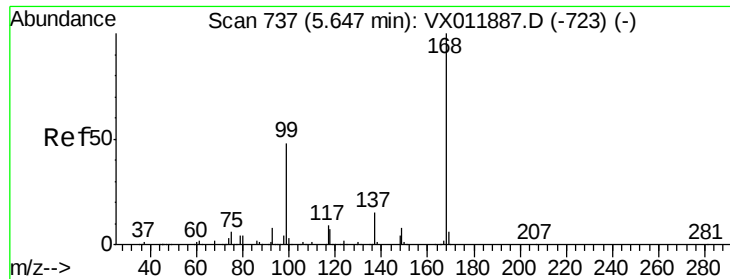
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	327435	50.559	ug/l	99
94) Hexachlorobutadiene	13.78	225	200096	46.264	ug/l	99
95) Naphthalene	13.83	128	571303	51.400	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	298816	51.023	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 308084

Ion Ratio Lower Upper

168 100

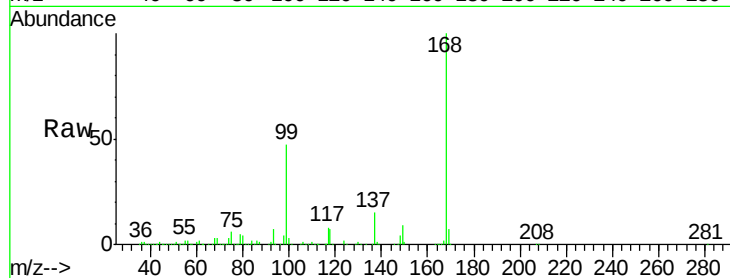
99 46.9 38.4 57.6

Manual Integrations

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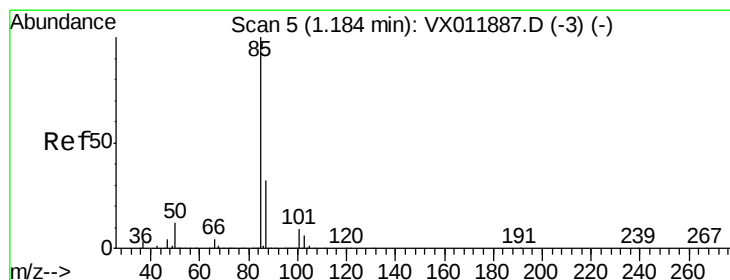
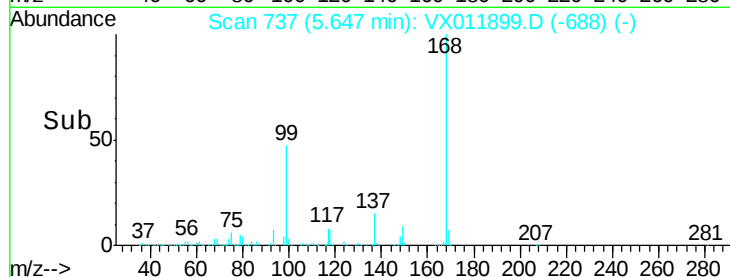
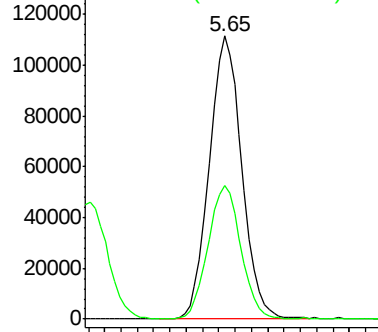
MMDadoda

9/3/2019 2:39:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.086 ug/l

RT: 1.18 min Scan# 5

Delta R.T. 0.00 min

Lab File: VX011899.D

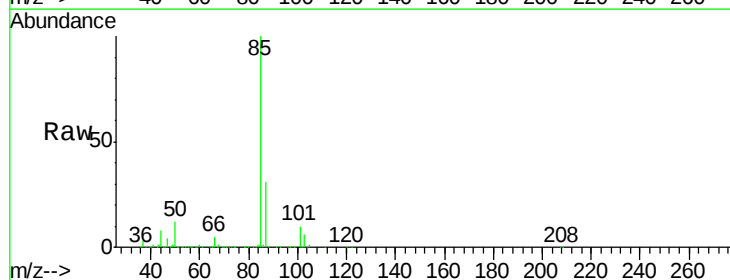
Acq: 30 Aug 2019 04:55

Tgt Ion: 85 Resp: 76397

Ion Ratio Lower Upper

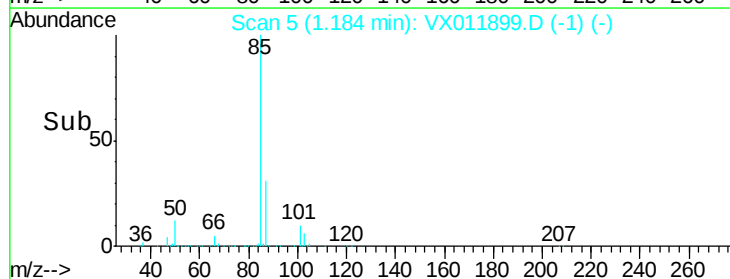
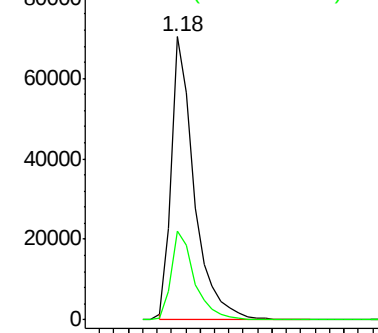
85 100

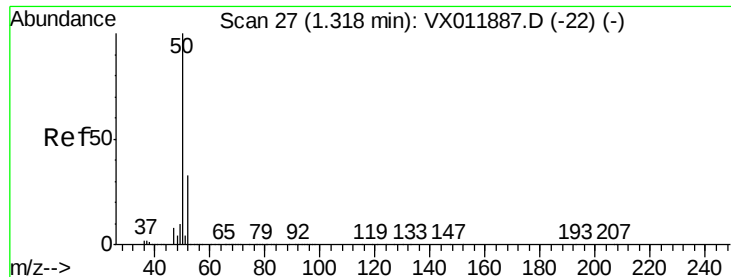
87 31.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 50.372 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108579

Ion Ratio Lower Upper

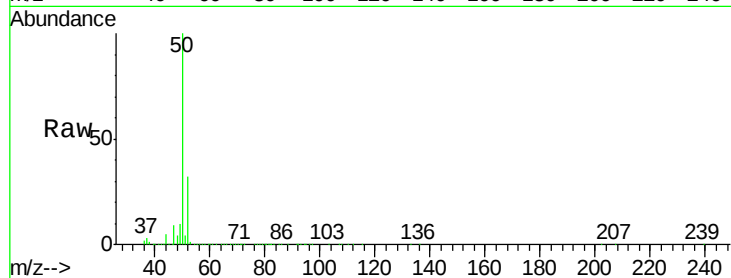
50 100

52 32.2 26.0 39.0

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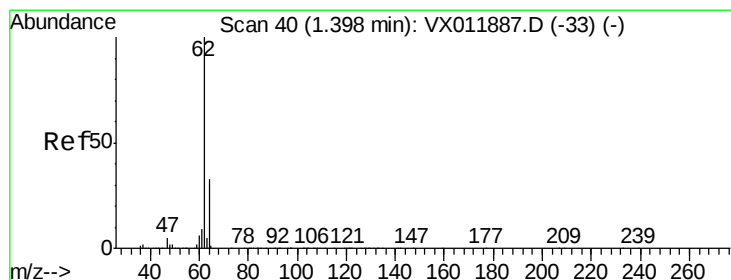
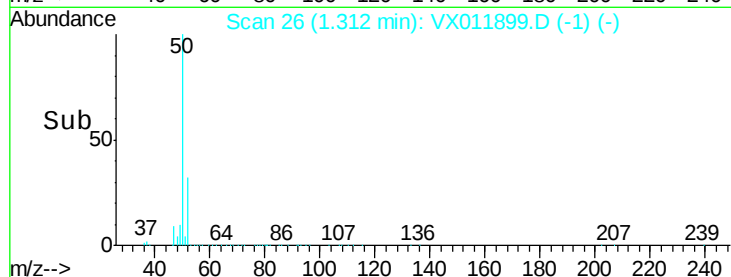
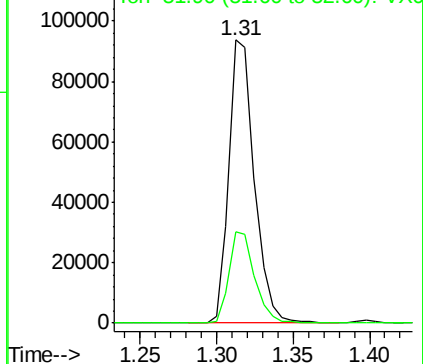
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.032 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011899.D

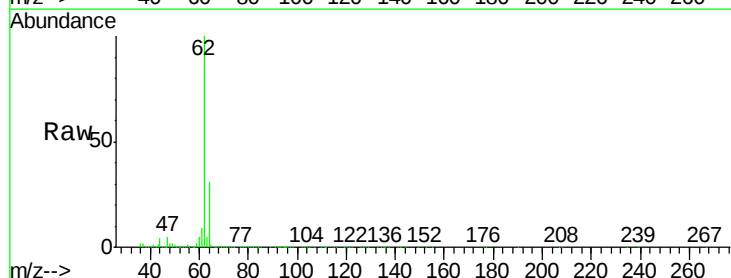
Acq: 30 Aug 2019 04:55

Tgt Ion: 62 Resp: 96807

Ion Ratio Lower Upper

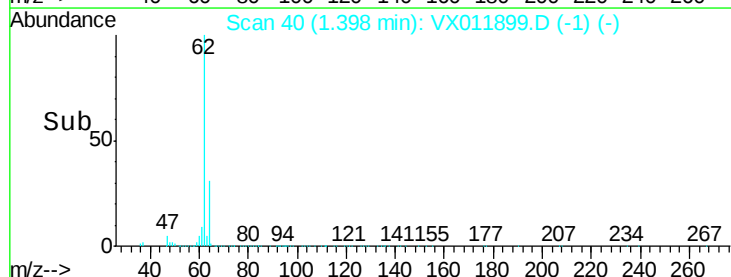
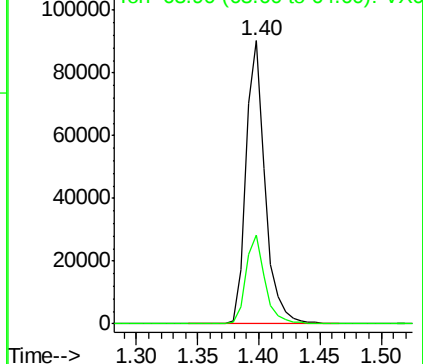
62 100

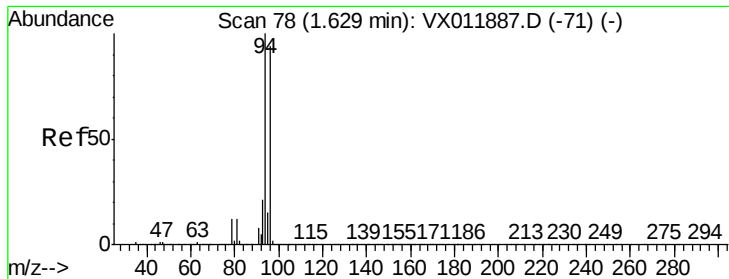
64 31.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 53.604 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 76342

Ion Ratio Lower Upper

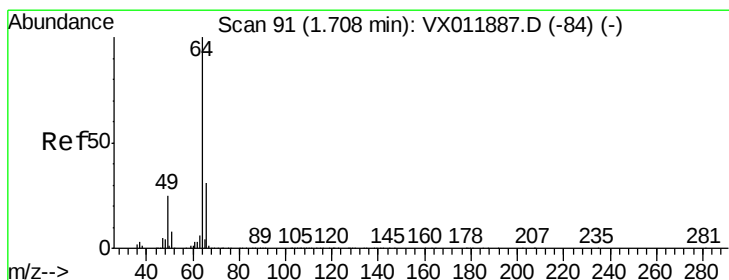
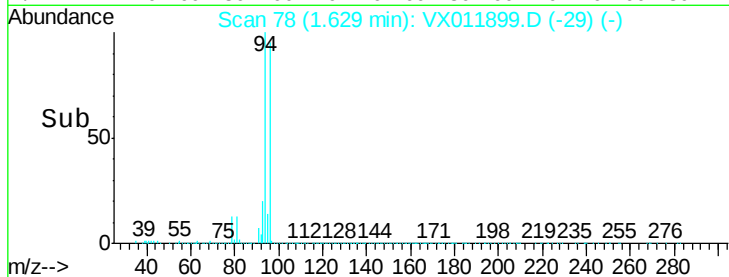
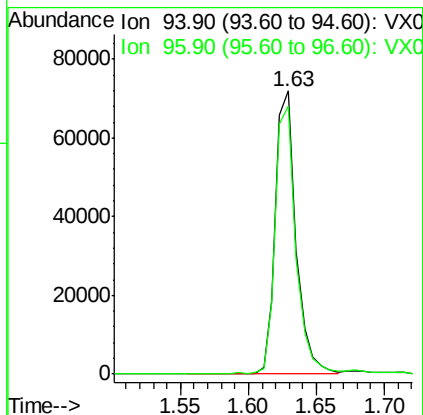
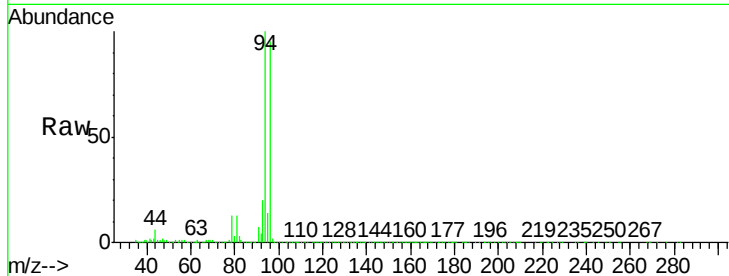
94 100

96 94.7 75.0 112.6

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#6

Chloroethane

Concen: 50.774 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX011899.D

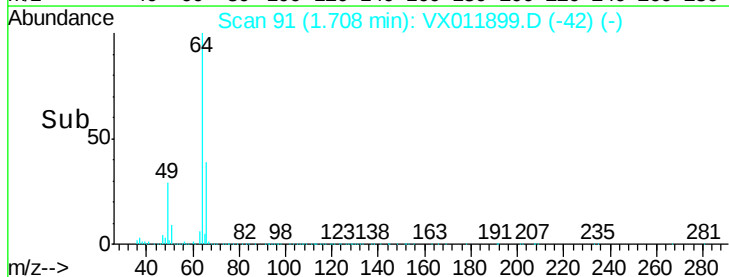
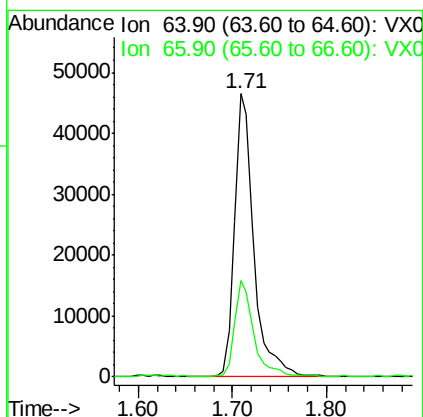
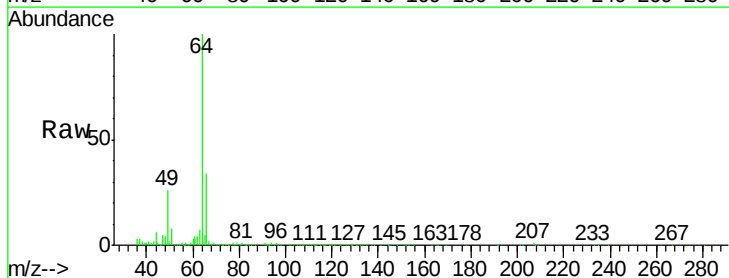
Acq: 30 Aug 2019 04:55

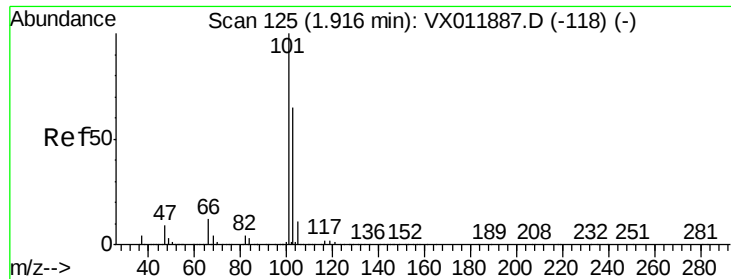
Tgt Ion: 64 Resp: 65043

Ion Ratio Lower Upper

64 100

66 34.1 25.0 37.4





#7

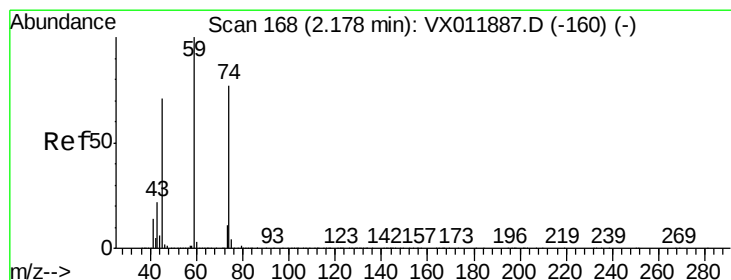
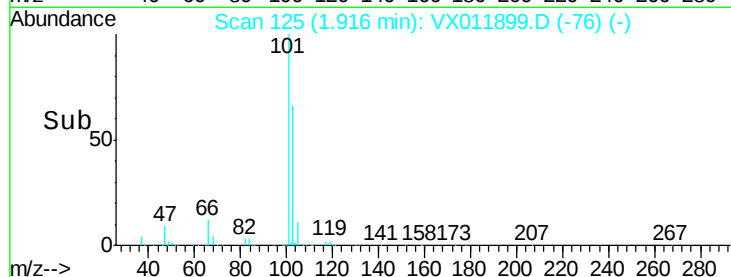
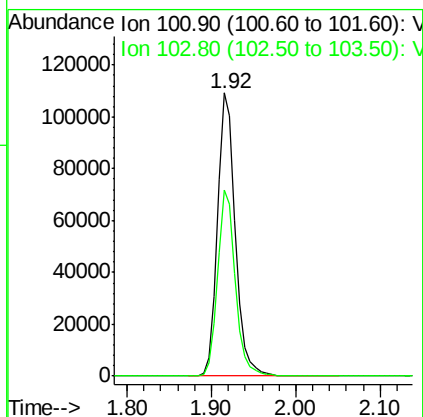
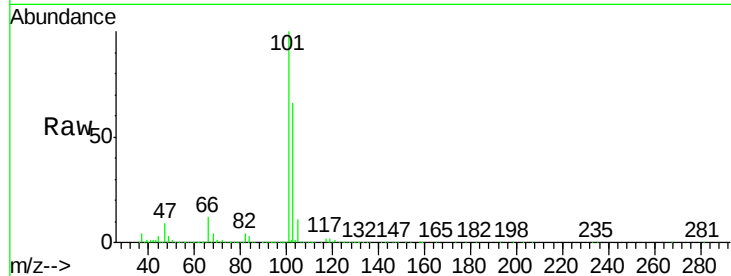
Trichlorofluoromethane
Concen: 44.797 ug/l
RT: 1.92 min Scan# 125
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	160134		
103	65.6	51.6	77.4	

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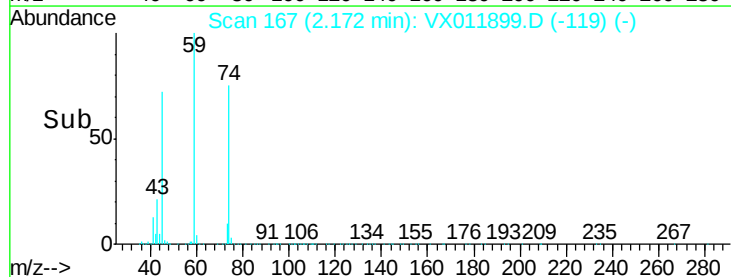
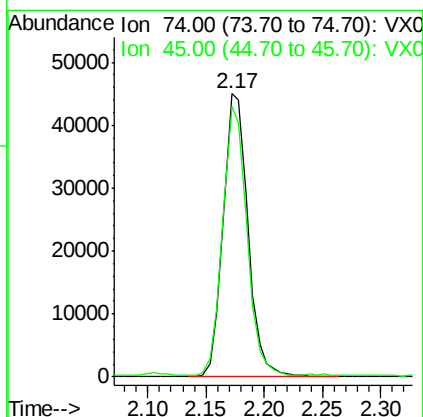
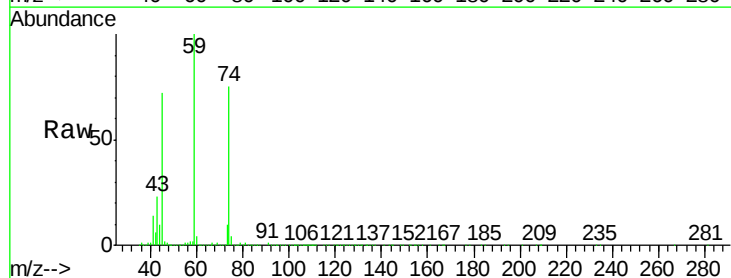
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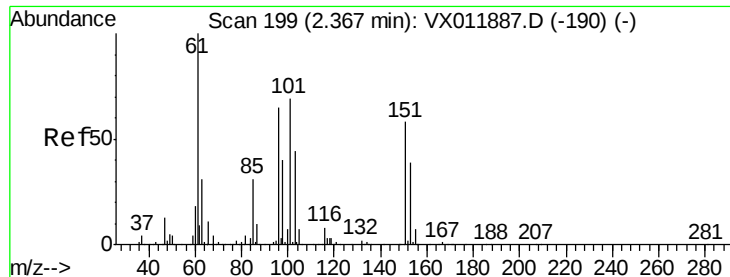


#8

Diethyl Ether
Concen: 53.807 ug/l
RT: 2.17 min Scan# 167
Delta R.T. -0.01 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	66102		
45	93.6	46.7	140.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.397 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

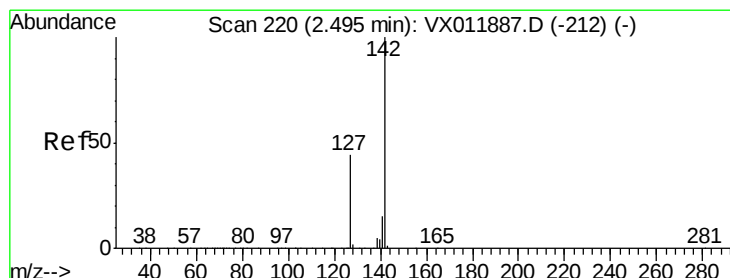
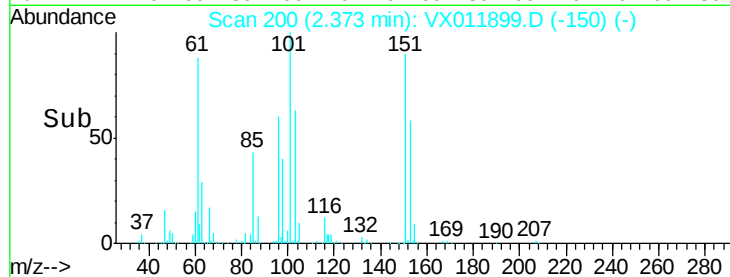
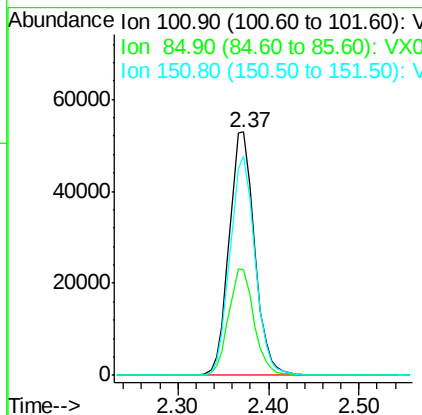
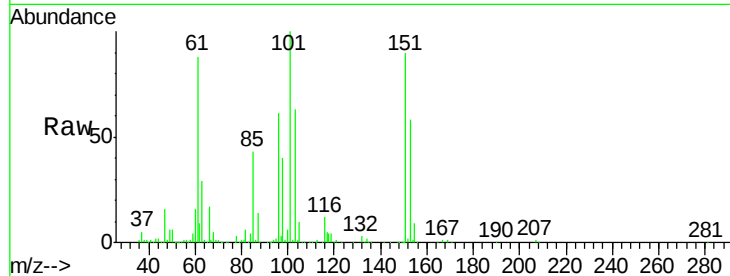
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	103437
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.9	52.3
151	88.9	70.9	106.3

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#10

Methyl Iodide

Concen: 48.834 ug/l

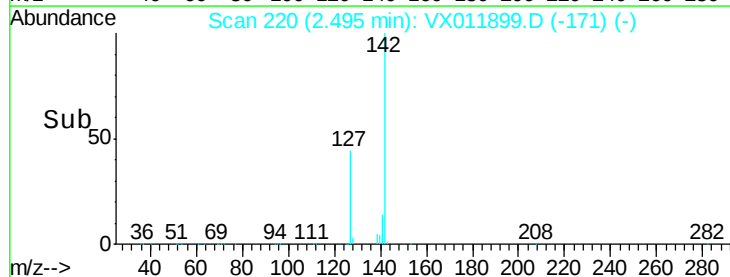
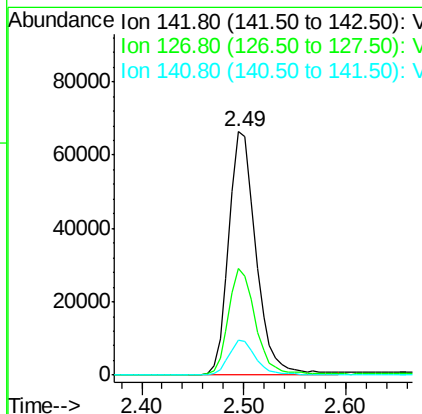
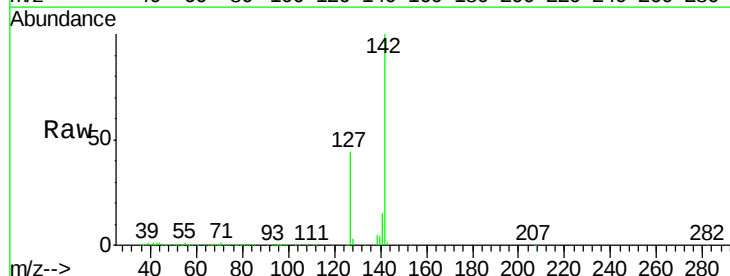
RT: 2.49 min Scan# 220

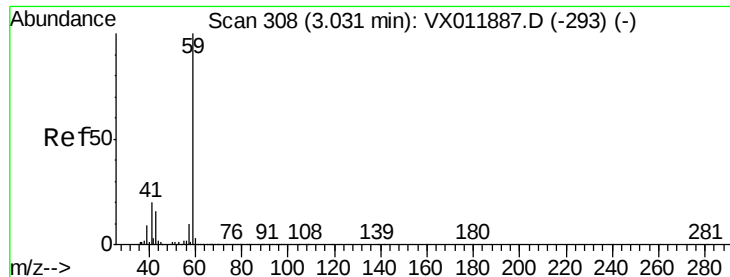
Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tgt Ion:	142	Resp:	123981
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.7	53.5
141	14.2	11.8	17.6





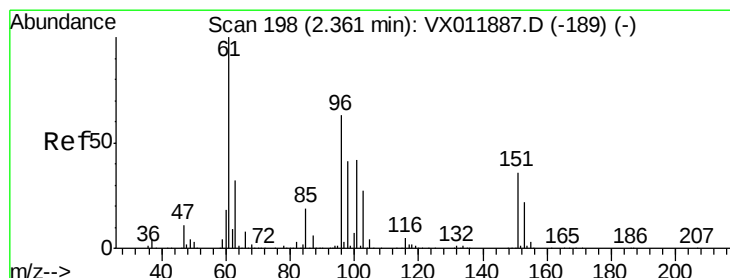
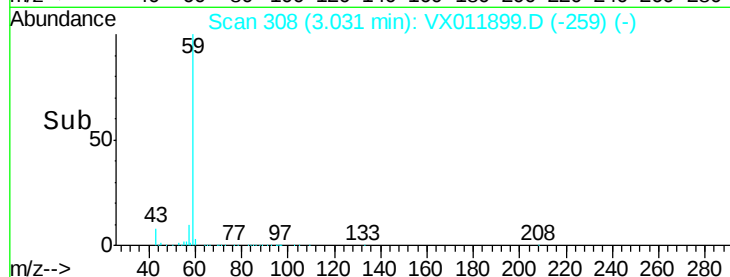
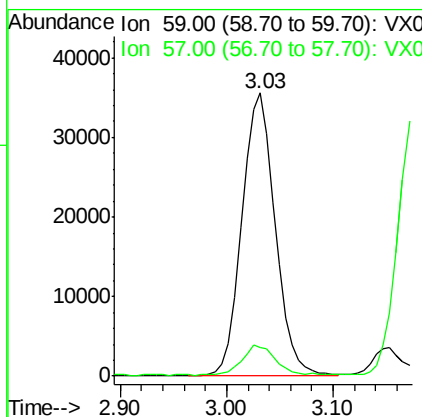
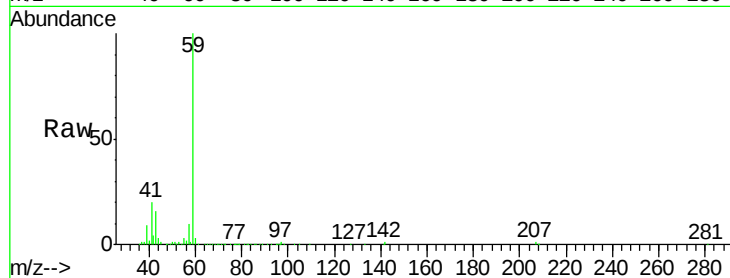
#11
Tert butyl alcohol
Concen: 274.641 ug/l
RT: 3.03 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 77992
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

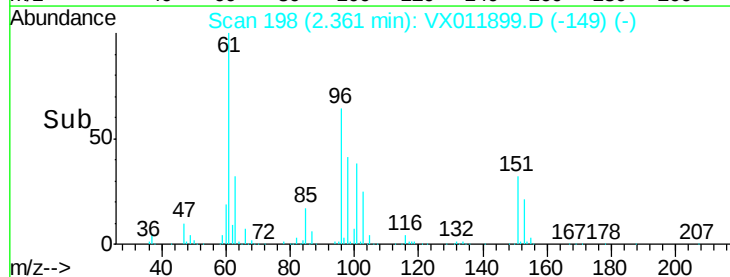
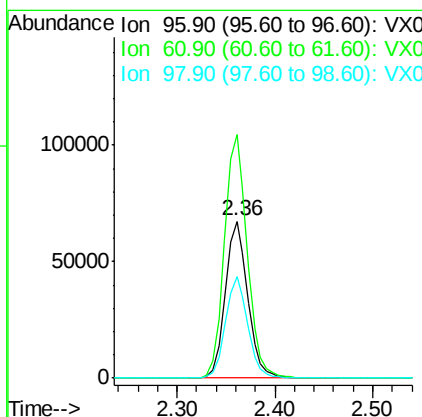
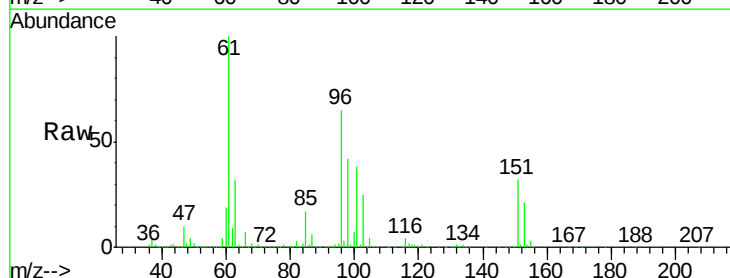
Manual Integrations
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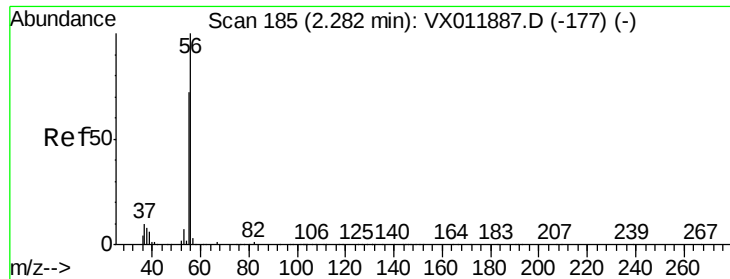
MMDadoda
9/3/2019 2:39:25 AM



#12
1,1-Dichloroethene
Concen: 49.071 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion: 96 Resp: 106181
Ion Ratio Lower Upper
96 100
61 155.2 126.6 190.0
98 64.4 51.6 77.4





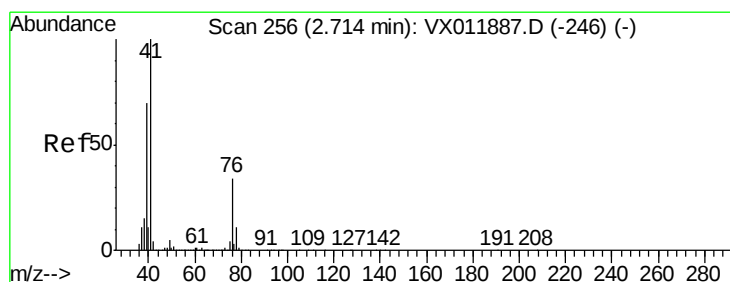
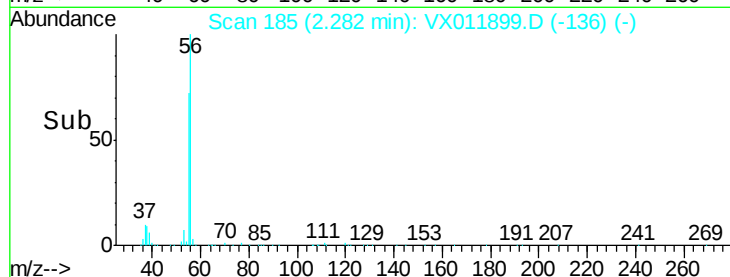
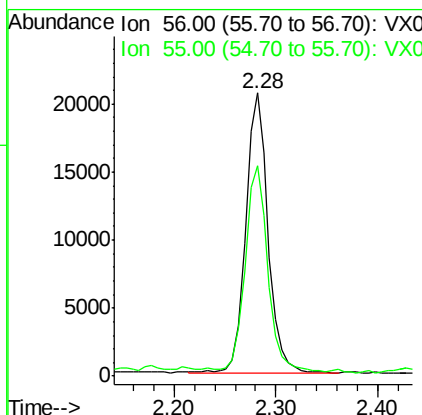
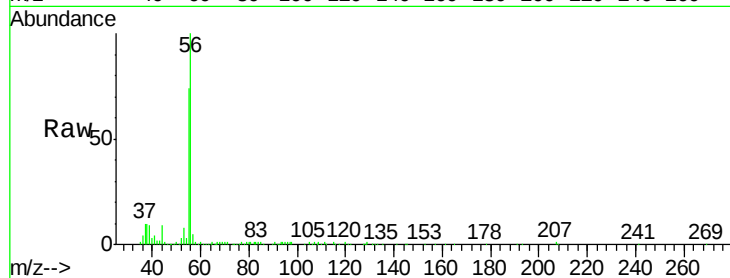
#13
Acrolein
Concen: 220.444 ug/l
RT: 2.28 min Scan# 185
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	74.1	58.6	88.0

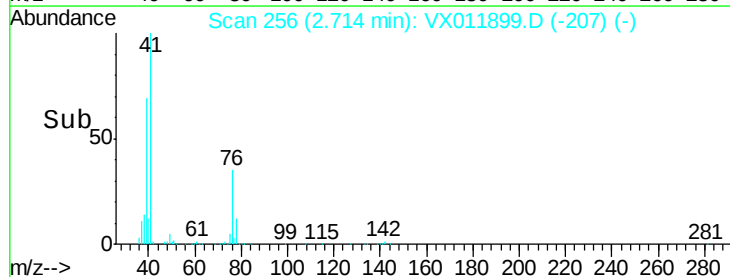
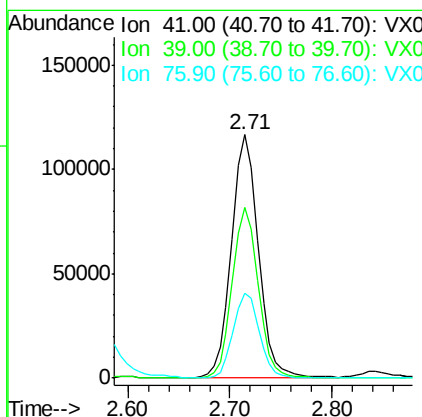
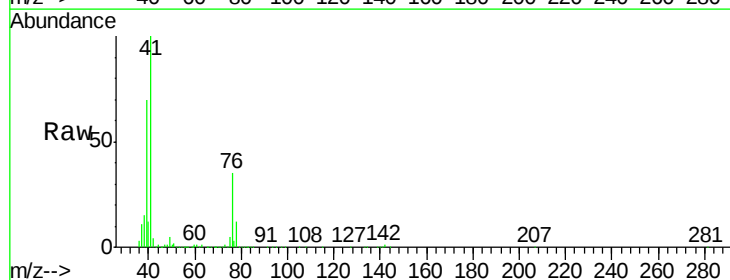
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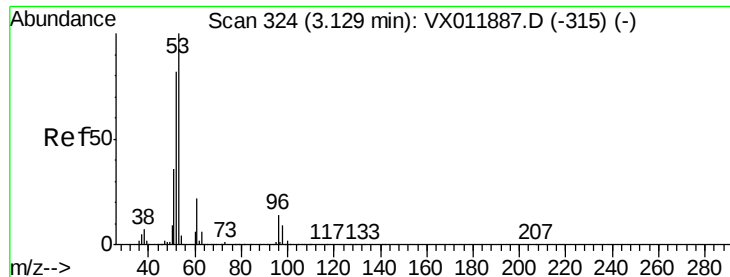
MMDadoda
9/3/2019 2:39:25 AM



#14
Allyl chloride
Concen: 51.933 ug/l
RT: 2.71 min Scan# 256
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	68.0	55.0	82.6
76	76	34.4	27.0	40.4





#15

Acrylonitrile

Concen: 283.170 ug/l

RT: 3.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

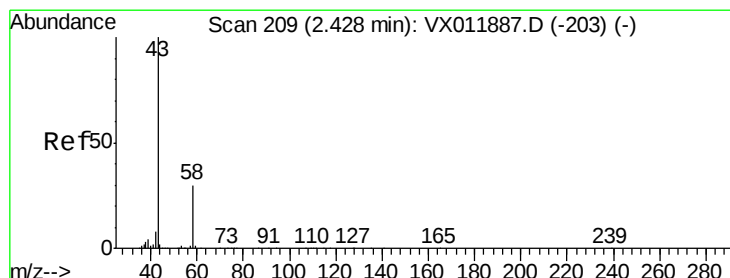
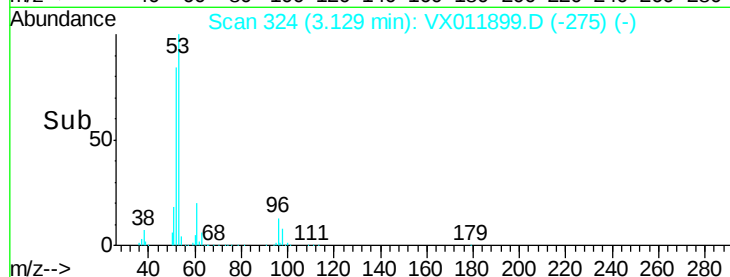
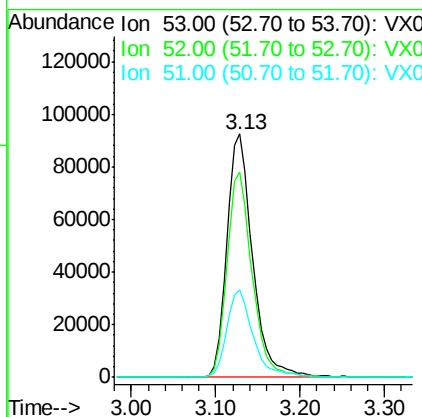
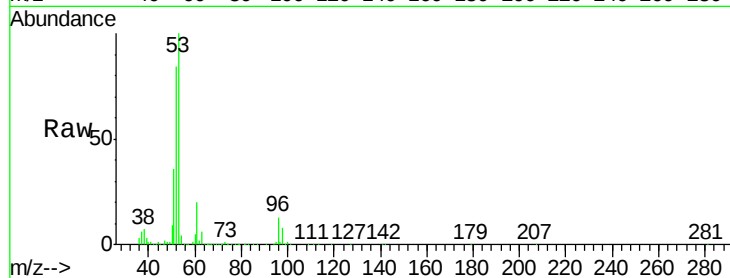
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	191083
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.3	97.9
51	36.9	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 253.270 ug/l

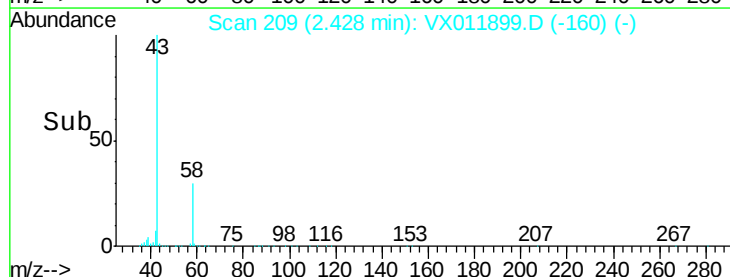
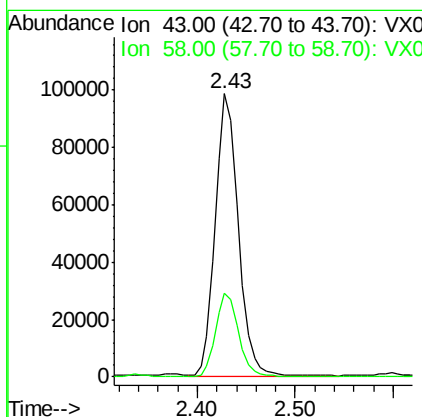
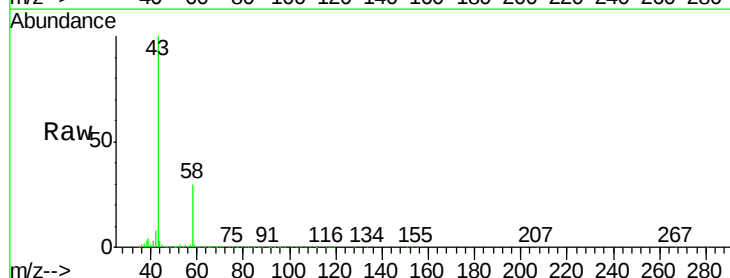
RT: 2.43 min Scan# 209

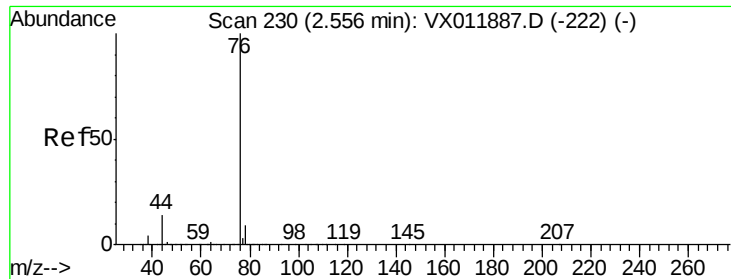
Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tgt Ion:	43	Resp:	160850
Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.8	35.8





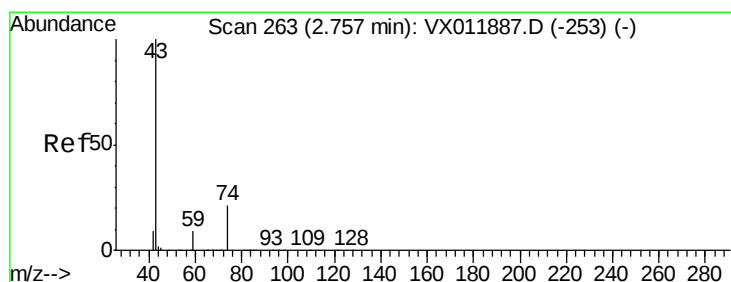
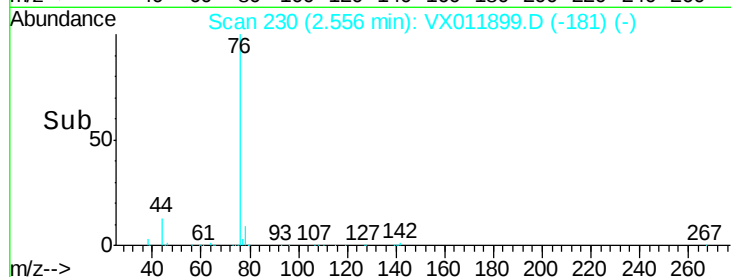
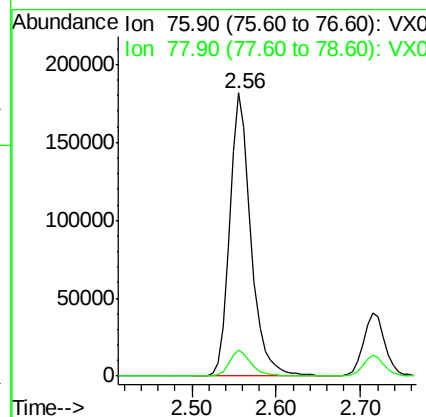
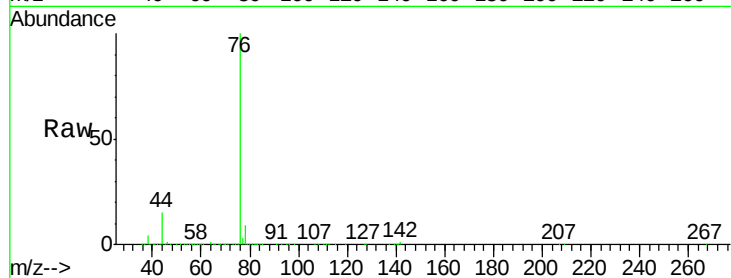
#17
Carbon Disulfide
Concen: 50.663 ug/l
RT: 2.56 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

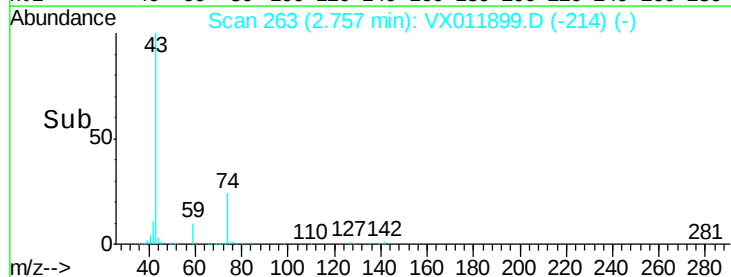
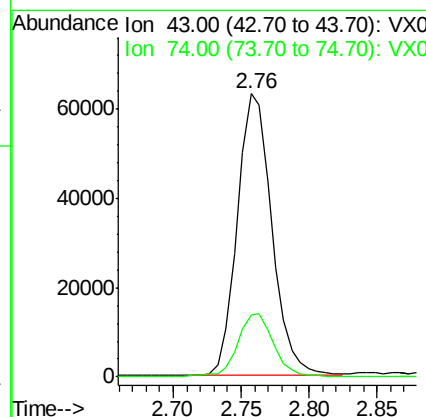
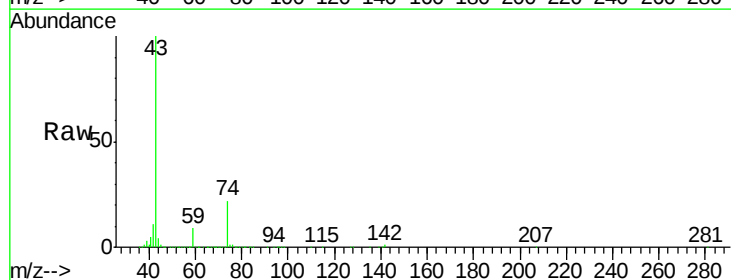
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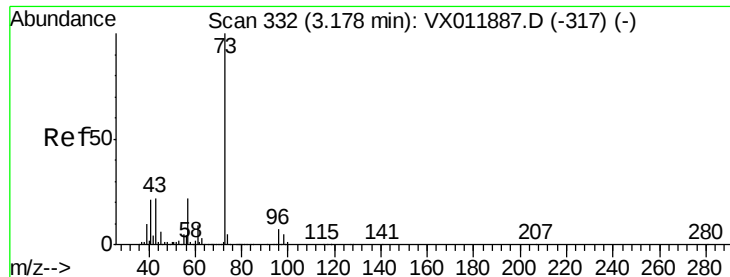
MMDadoda
9/3/2019 2:39:25 AM



#18
Methyl Acetate
Concen: 63.894 ug/l
RT: 2.76 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.4	27.6





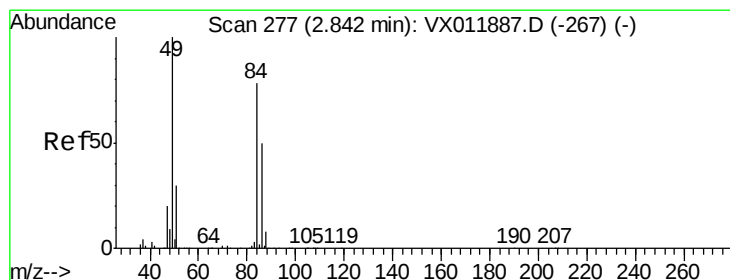
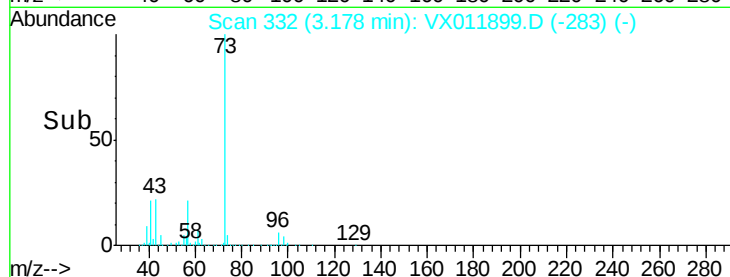
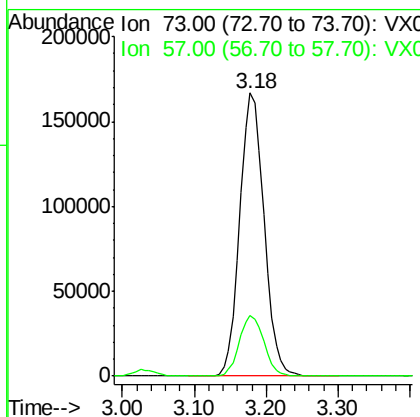
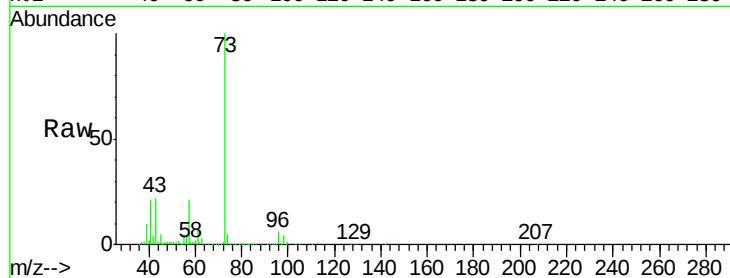
#19
Methvl tert-butvl Ether
Concen: 55.784 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	21.4	17.4	26.0

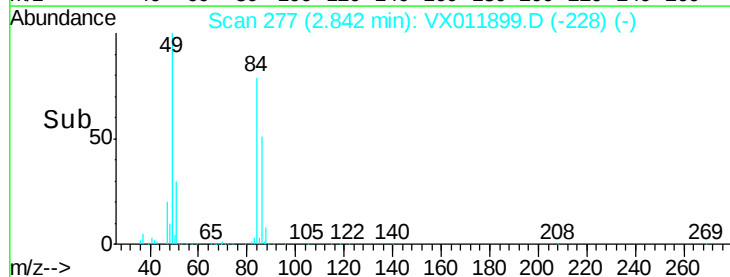
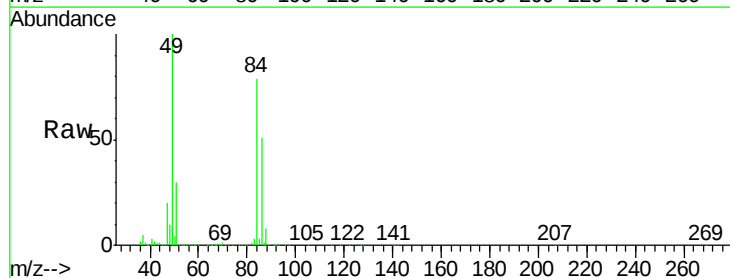
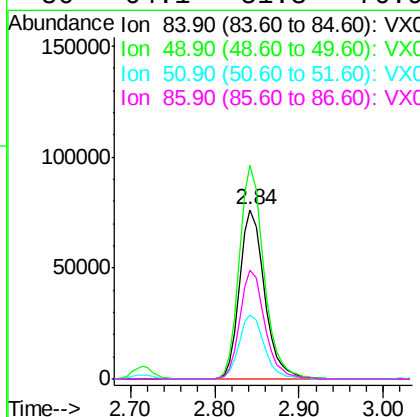
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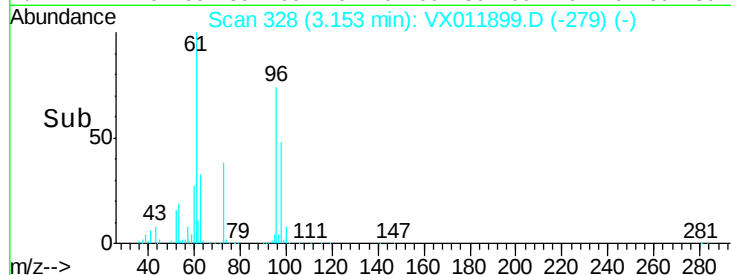
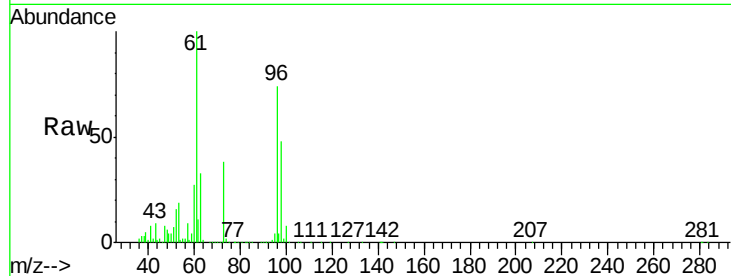
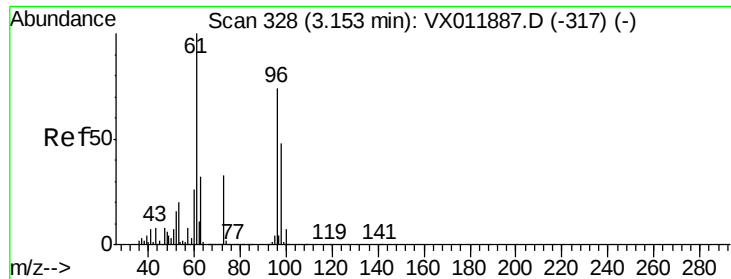
MMDadoda
9/3/2019 2:39:25 AM



#20
Methylene Chloride
Concen: 56.762 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	126.3	103.0	154.4
51	51	37.7	30.8	46.2
86	86	64.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 52.245 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tot Ion:	96	Resp:	133165
Ion	Ratio	Lower	Upper
96	100		
61	134.6	107.4	161.2
98	64.4	51.4	77.2

Instrument :

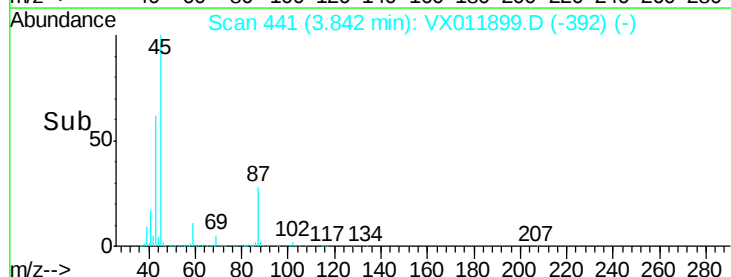
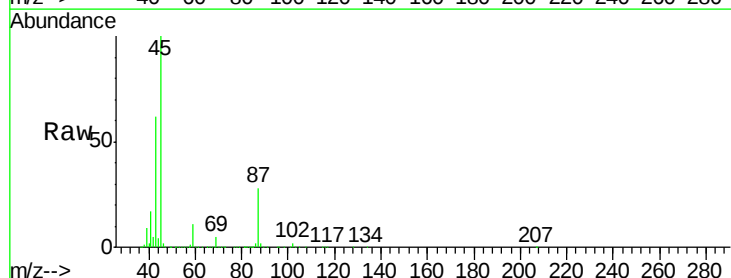
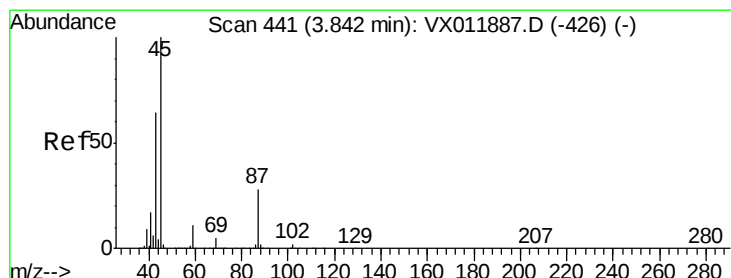
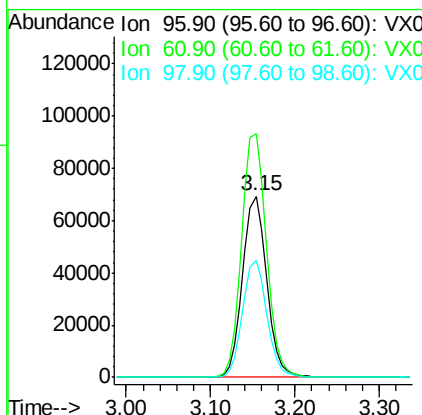
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.062 ug/l

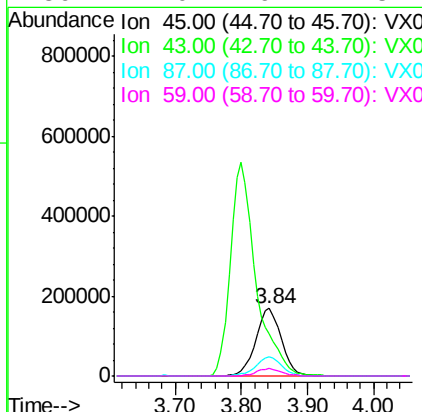
RT: 3.84 min Scan# 441

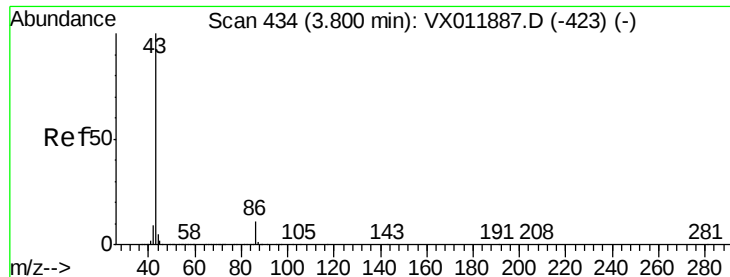
Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tgt Ion:	45	Resp:	456264
Ion	Ratio	Lower	Upper
45	100		
43	61.9	51.0	76.6
87	27.5	22.0	33.0
59	11.0	9.1	13.7





#23

Vinyl Acetate

Concen: 267.955 ug/l

RT: 3.80 min Scan# 434

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tot Ion: 43 Resp: 1427538

Ion Ratio Lower Upper

43 100

86 11.1 8.6 12.8

Instrument :

MSVOA_X

ClientSampleId :

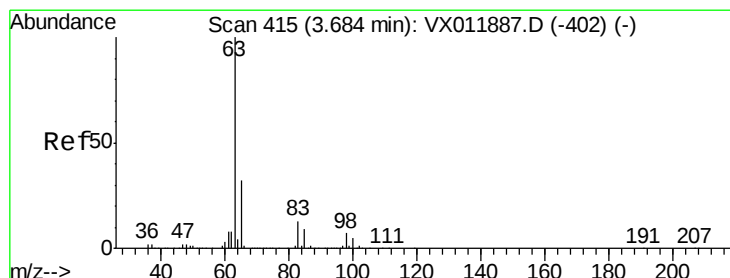
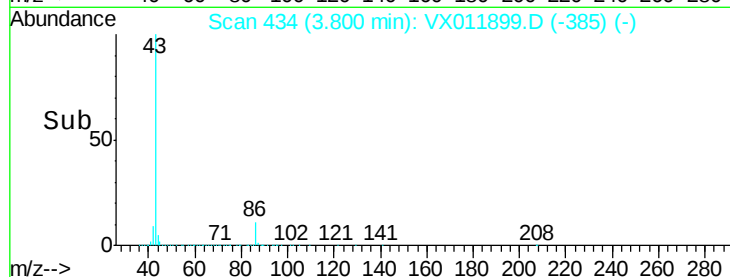
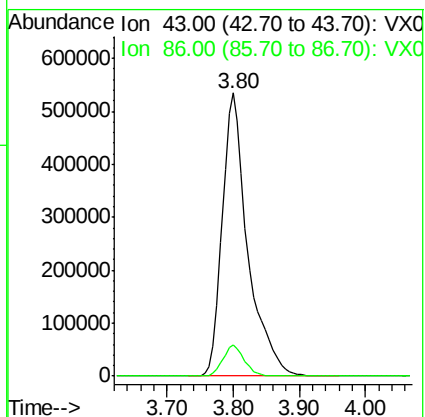
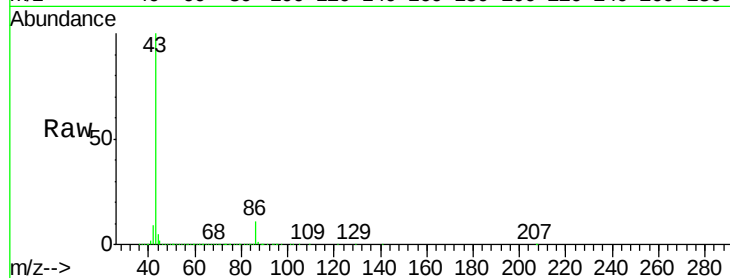
VSTDCCC050EC

Manual Integrations

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MMDadoda

9/3/2019 2:39:25 AM



#24

1,1-Dichloroethane

Concen: 53.831 ug/l

RT: 3.68 min Scan# 415

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

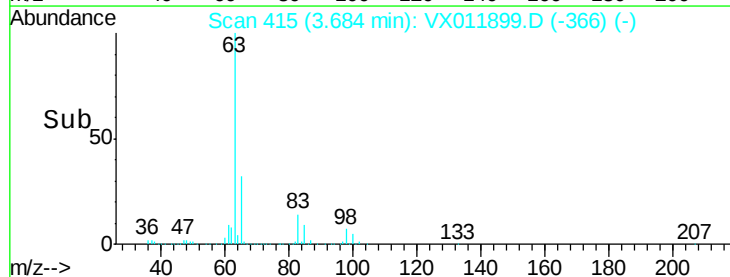
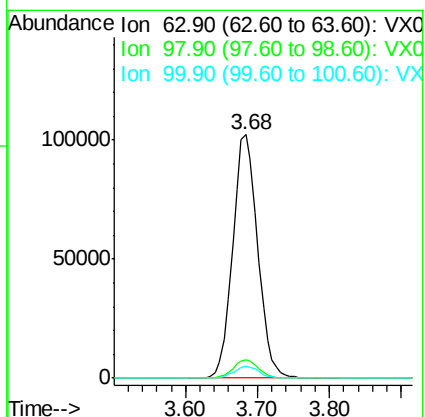
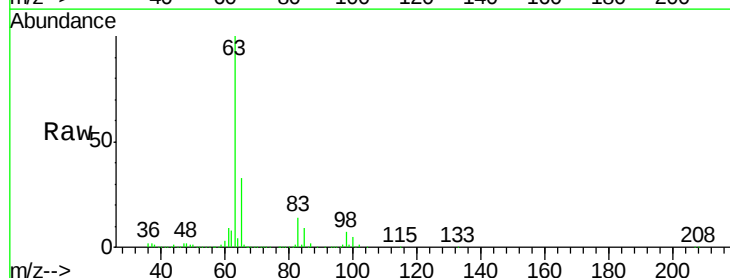
Tgt Ion: 63 Resp: 245979

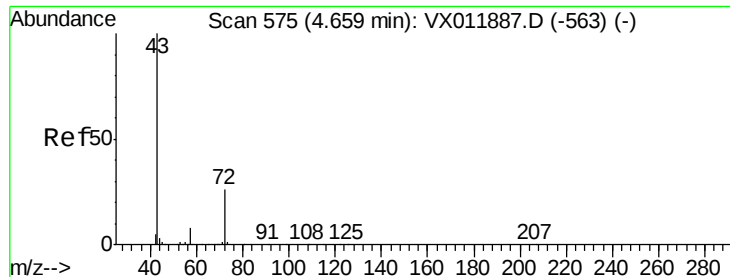
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 279.816 ug/l

RT: 4.65 min Scan# 574

Delta R.T. -0.01 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tot Ion: 43 Resp: 258827

Ion Ratio Lower Upper

43 100

72 25.0 21.0 31.4

Instrument :

MSVOA_X

ClientSampleId :

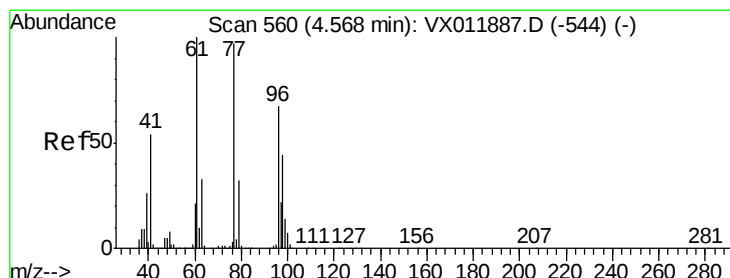
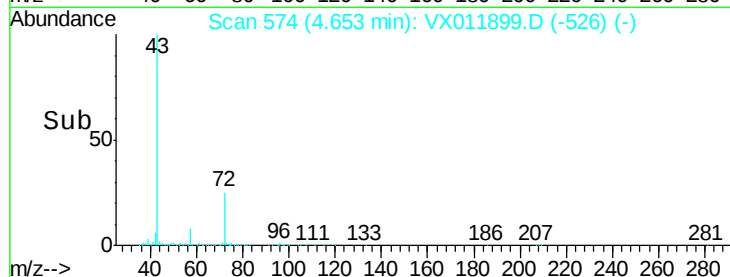
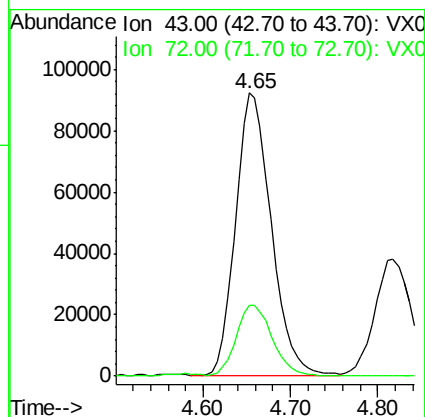
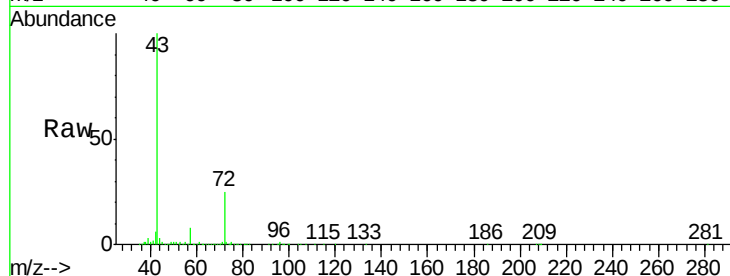
VSTDCCC050EC

Manual Integrations

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9/3/2019 2:39:25 AM



#26

2,2-Dichloropropane

Concen: 44.949 ug/l

RT: 4.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VX011899.D

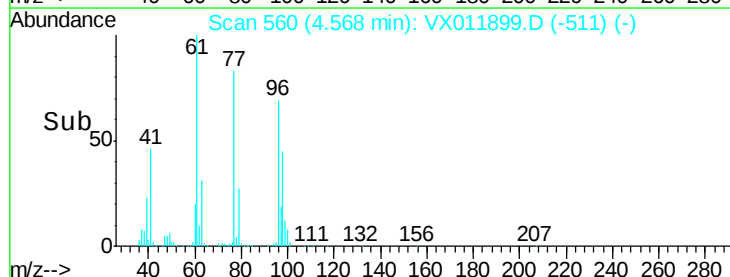
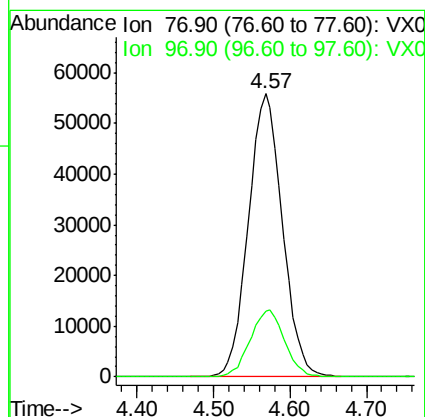
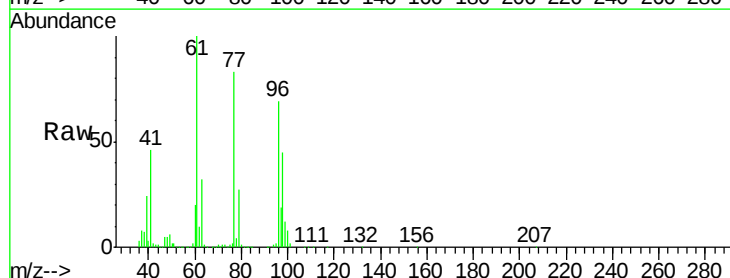
Acq: 30 Aug 2019 04:55

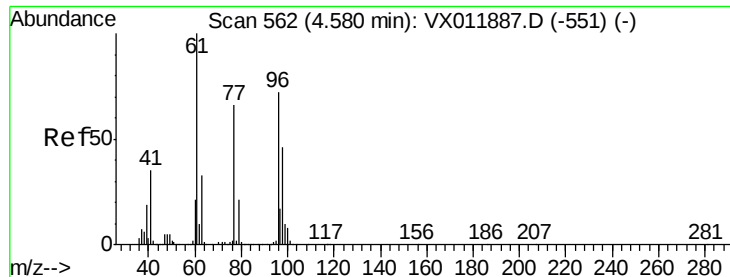
Tgt Ion: 77 Resp: 172269

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.1





#27

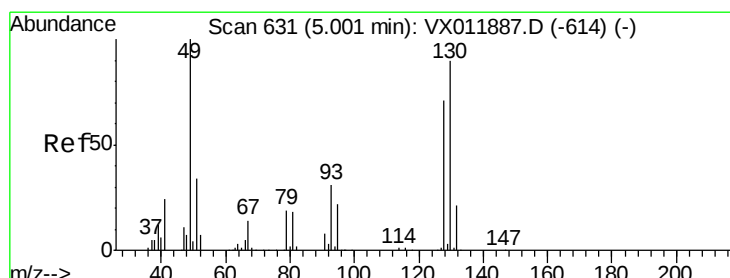
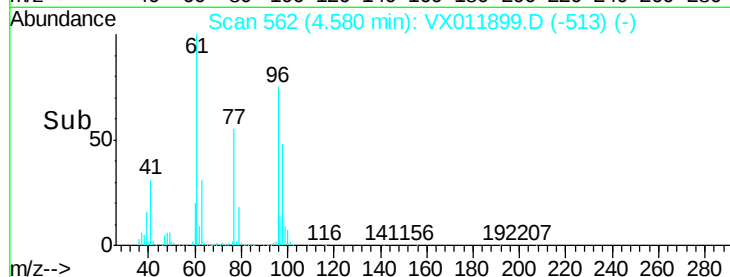
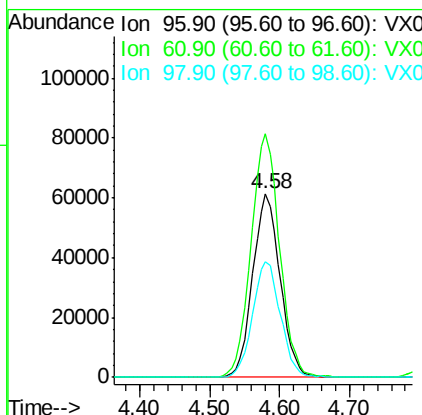
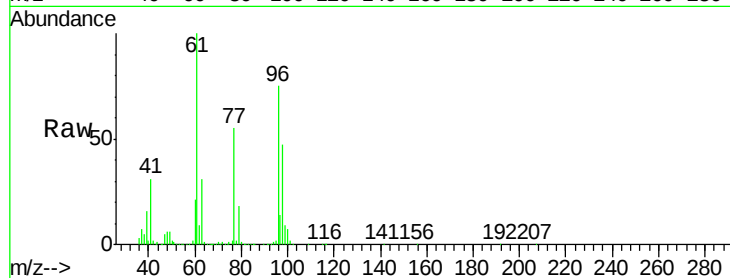
cis-1,2-Dichloroethene
Concen: 55.599 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	166927		
61	138.1	0.0	283.8	
98	64.0	0.0	131.2	

Manual Integrations
APPROVED

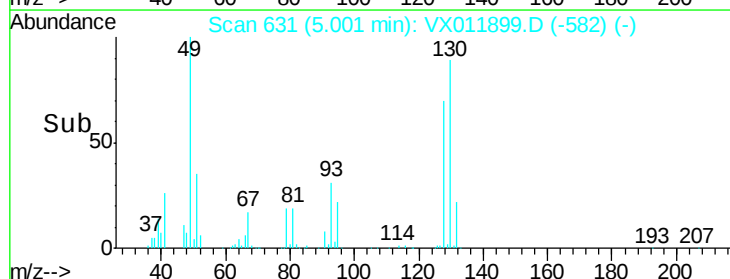
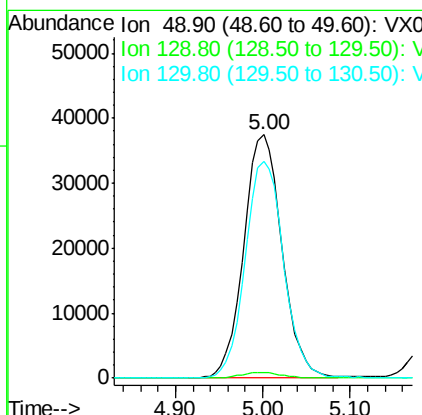
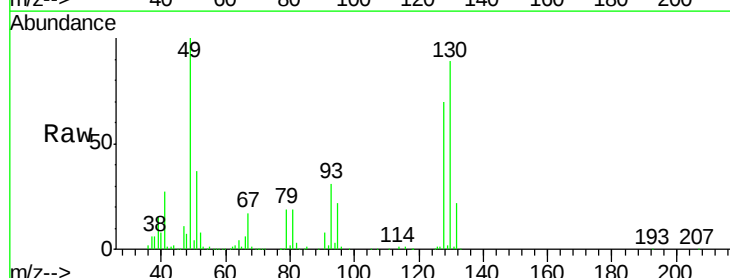
MMDadoda
9/3/2019 2:39:25 AM

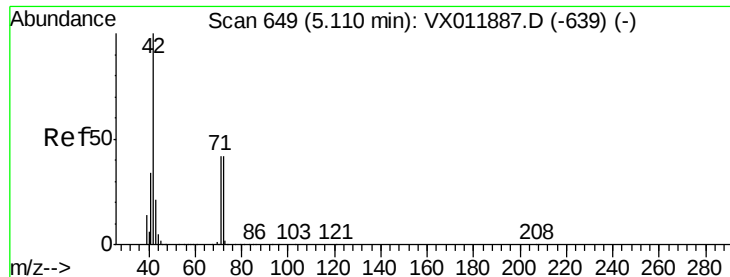


#28

Bromochloromethane
Concen: 55.682 ug/l
RT: 5.00 min Scan# 631
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	114172		
129	2.5	0.0	4.8	
130	89.5	70.6	105.8	





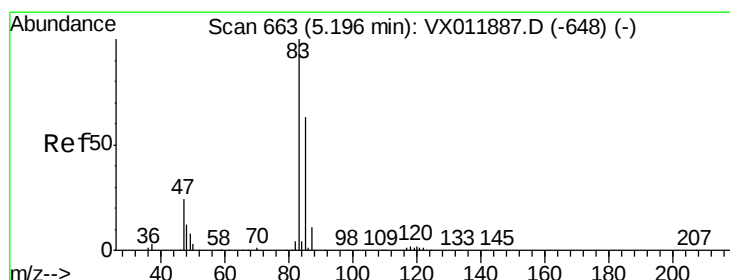
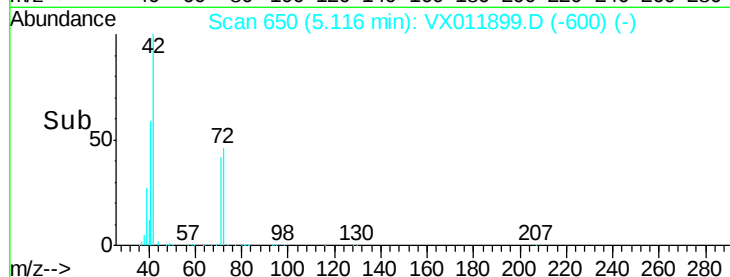
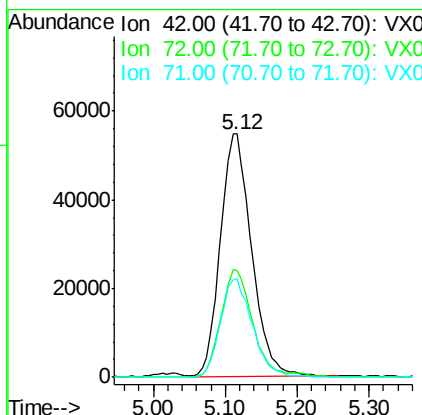
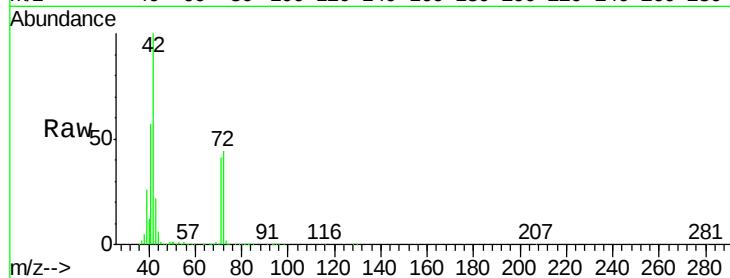
#29
Tetrahydrofuran
Concen: 285.682 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.01 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100	164937		
72	45.8	36.2	54.4	
71	41.6	33.1	49.7	

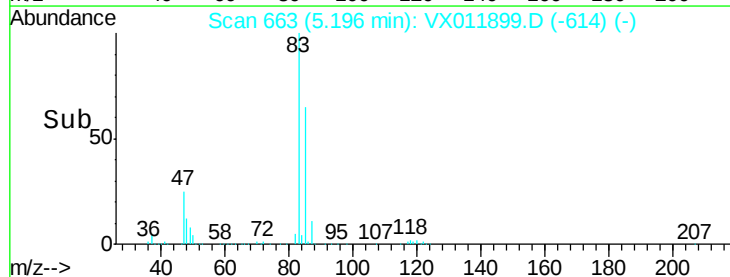
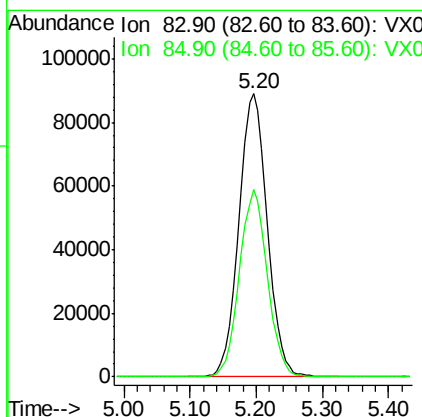
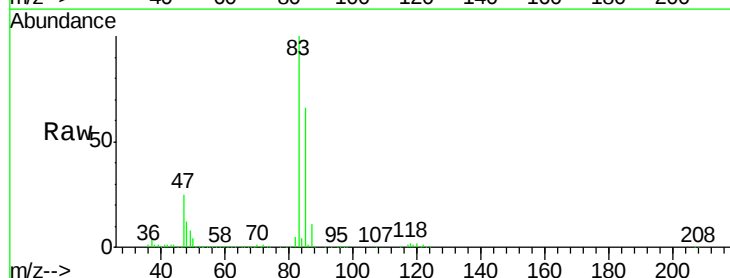
Manual Integrations
APPROVED

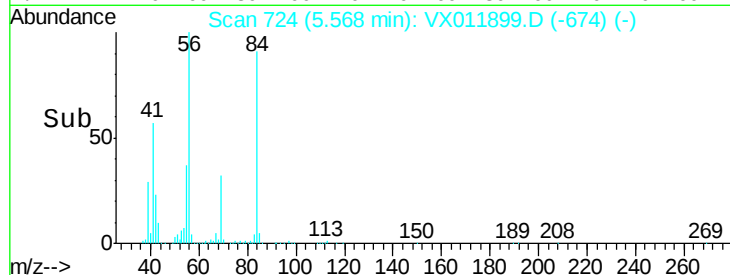
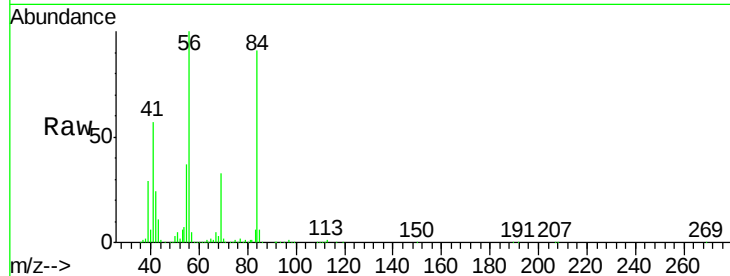
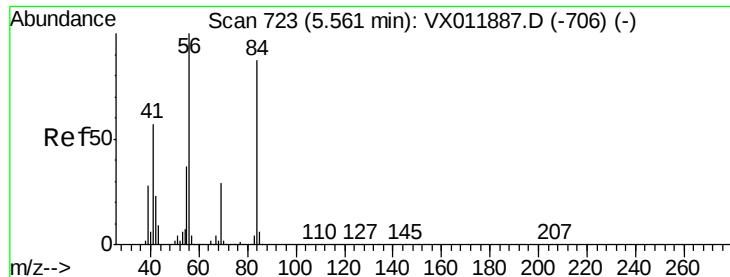
MMDadoda
9/3/2019 2:39:25 AM



#30
Chloroform
Concen: 54.524 ug/l
RT: 5.20 min Scan# 663
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	266396		
85	66.0	50.6	75.8	





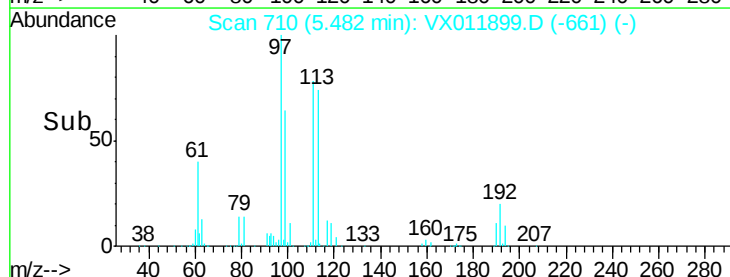
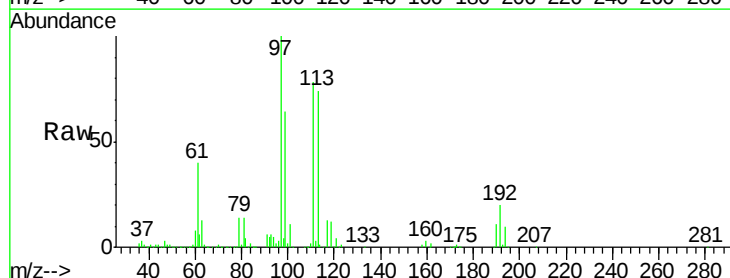
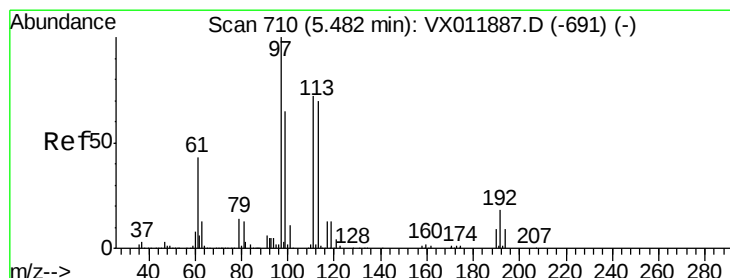
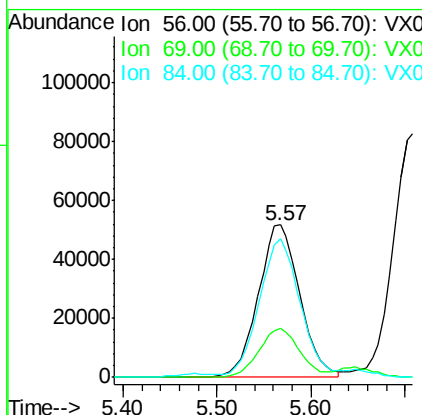
#31
Cyclohexane
Concen: 42.979 ug/l
RT: 5.57 min Scan# 724
Delta R.T. 0.01 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		158406		
69	32.5	23.1		34.7	
84	88.8	69.6		104.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

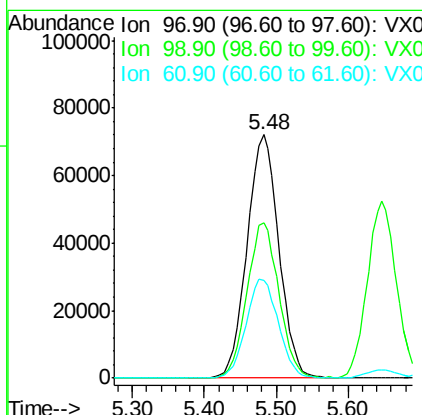
Manual Integrations
APPROVED

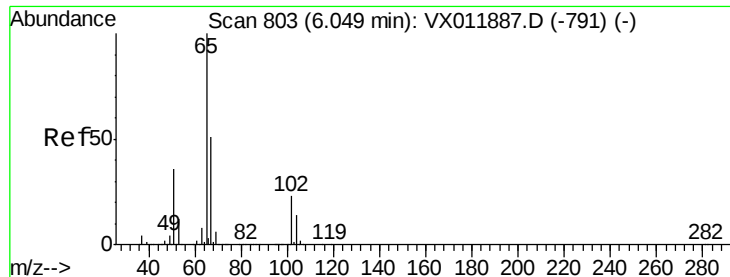
MMDadoda
9/3/2019 2:39:25 AM



#32
1,1,1-Trichloroethane
Concen: 50.952 ug/l
RT: 5.48 min Scan# 710
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		221137		
99	63.9	51.8		77.8	
61	41.6	33.8		50.6	





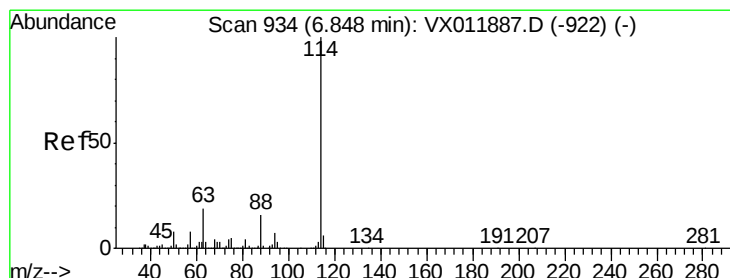
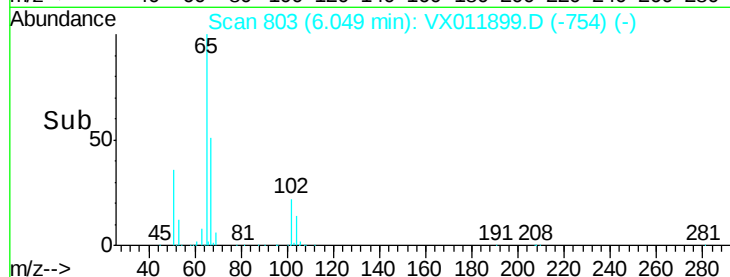
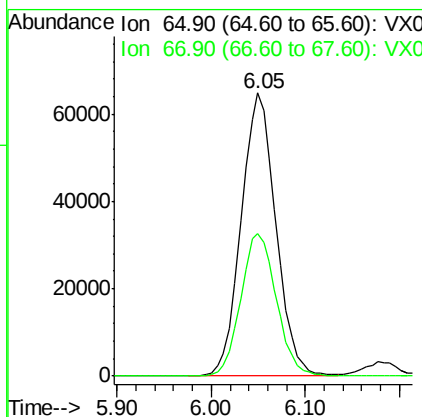
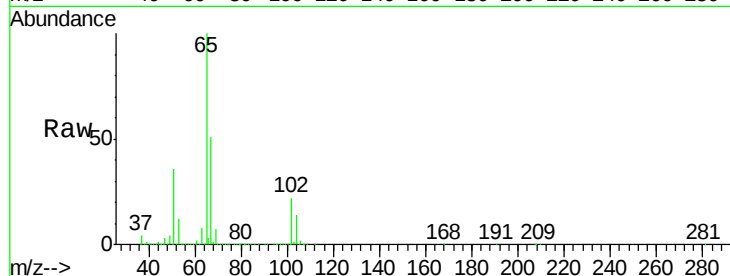
#33
 1,2-Dichloroethane-d4
 Concen: 56.348 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166325		
67	51.6	0.0	102.2	

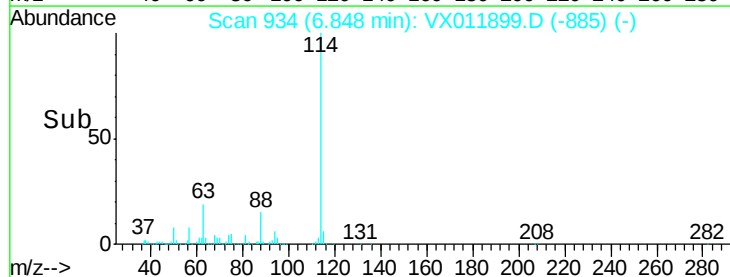
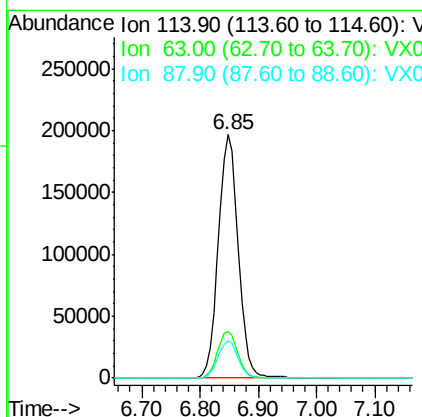
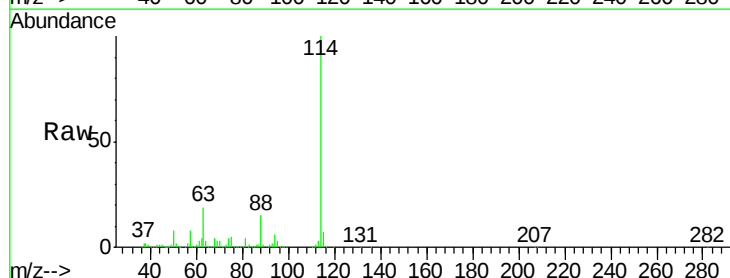
Manual Integrations
 APPROVED

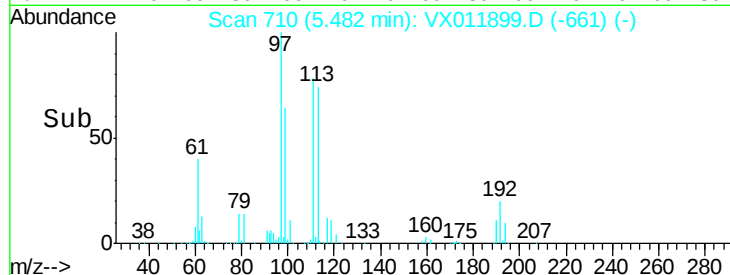
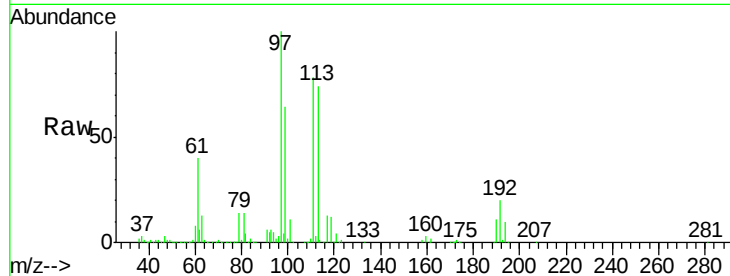
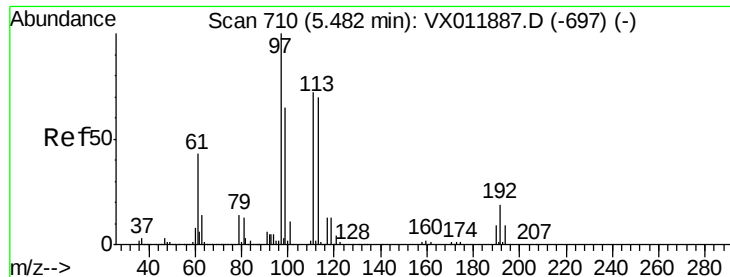
MMDadoda
 9/3/2019 2:39:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	466345		
63	19.3	0.0	38.8	
88	15.4	0.0	31.2	





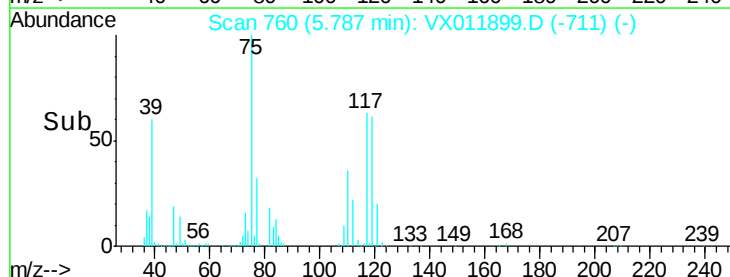
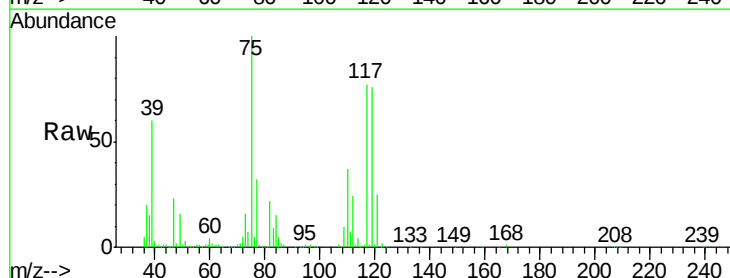
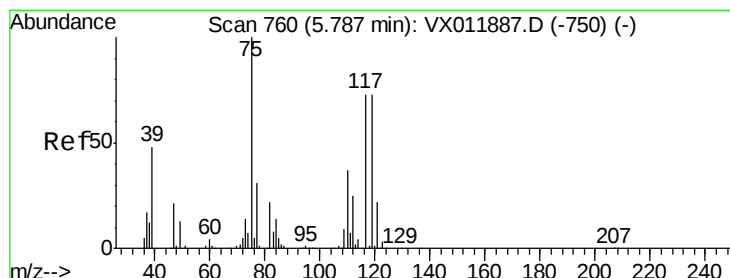
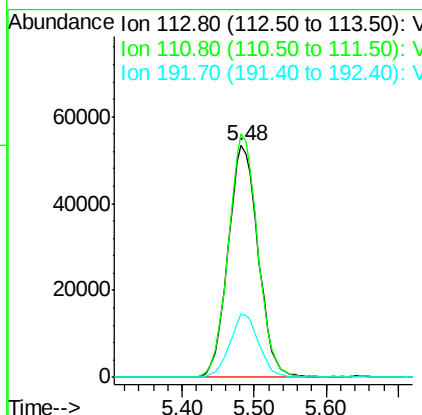
#35
Dibromofluoromethane
Concen: 51.750 ug/l
RT: 5.48 min Scan# 710
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tot Ion	Ratio	Resp	Lower	Upper
113	100	154753		
111	102.3	82.1	123.1	
192	26.5	21.5	32.3	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

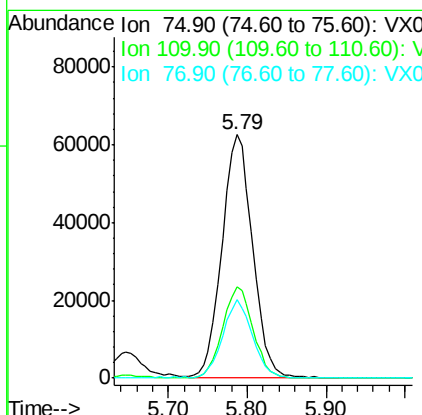
Manual Integrations
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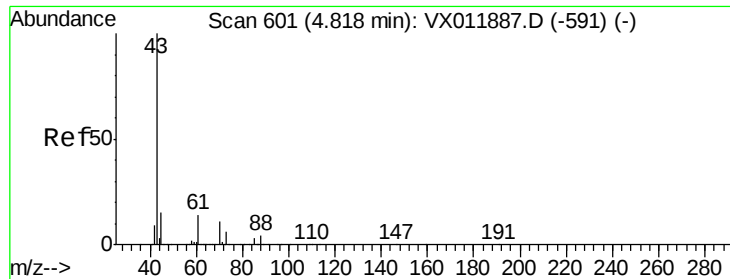
MMDadoda
9/3/2019 2:39:25 AM



#36
1,1-Dichloropropene
Concen: 45.535 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	168231		
110	37.5	19.1	57.3	
77	31.0	24.4	36.6	





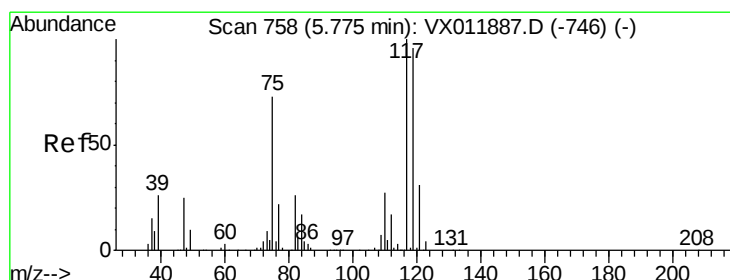
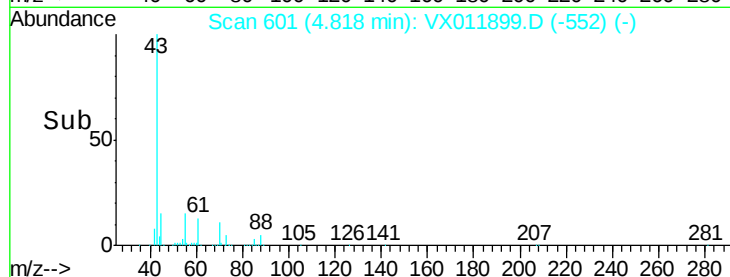
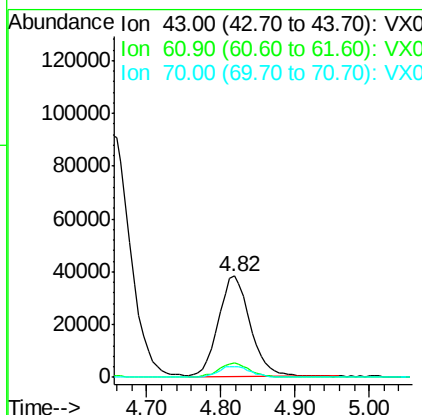
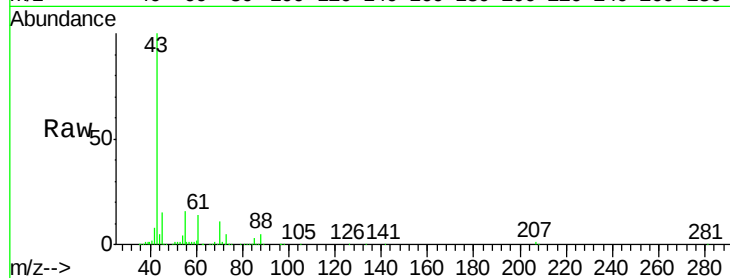
#37
Ethyl Acetate
Concen: 51.707 ug/l
RT: 4.82 min Scan# 601
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	11.2	9.2	13.8

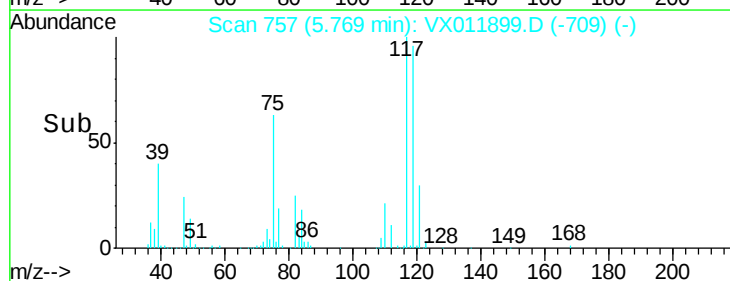
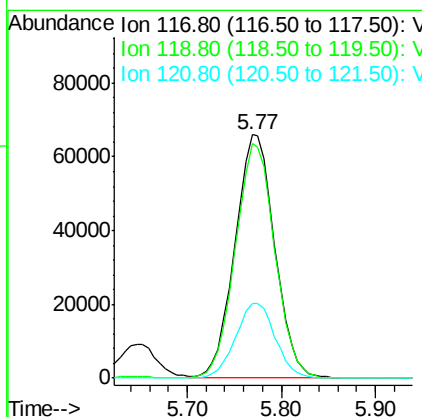
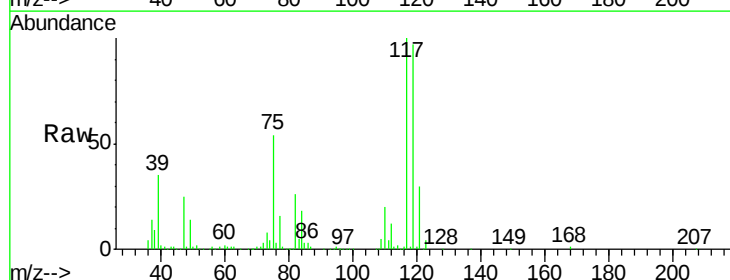
Manual Integrations
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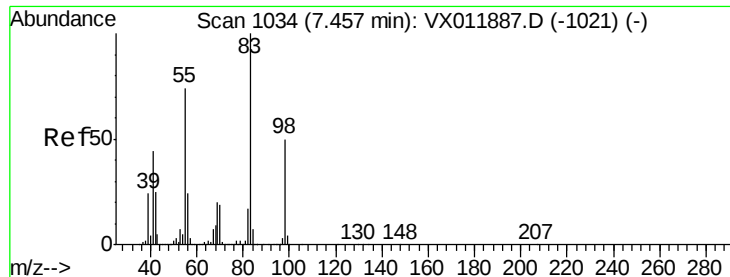
MMDadoda
9/3/2019 2:39:25 AM



#38
Carbon Tetrachloride
Concen: 45.216 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	114.8
121	30.4	24.7	37.1





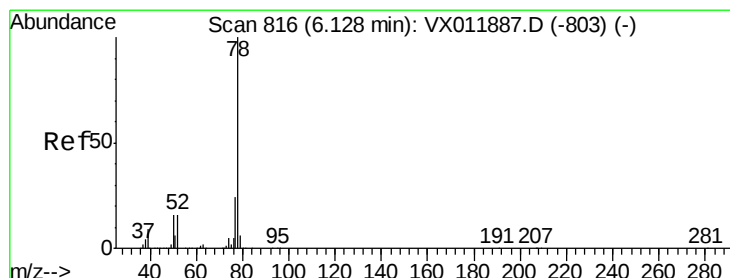
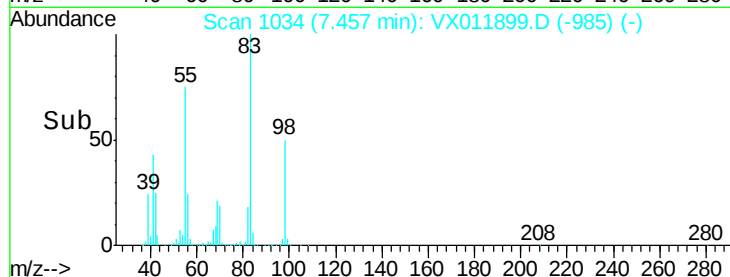
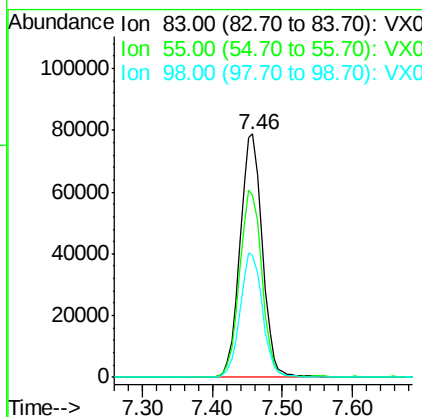
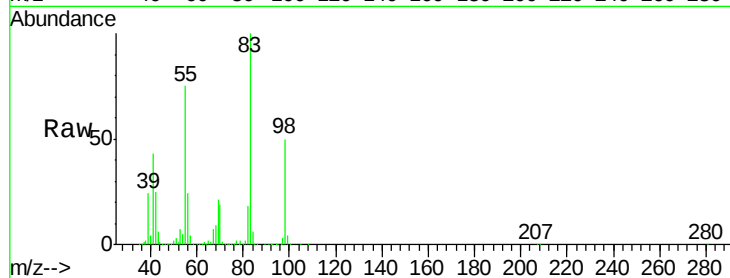
#39
Methvlcvclohexane
Concen: 39.714 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	59.4	89.0
98	50.0	40.3	60.5

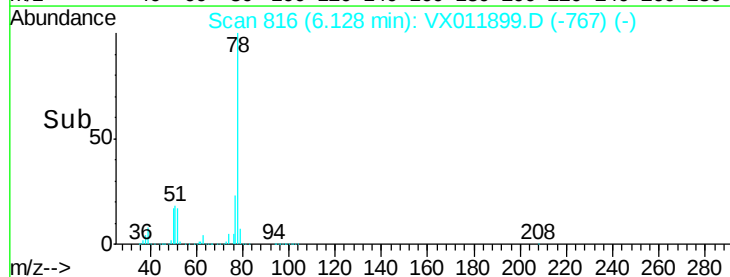
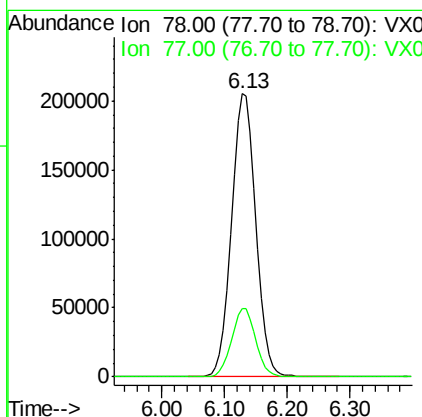
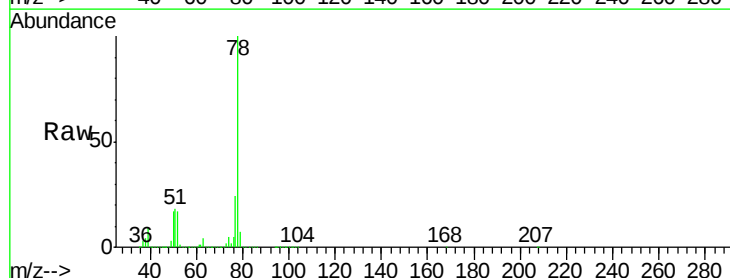
Manual Integrations
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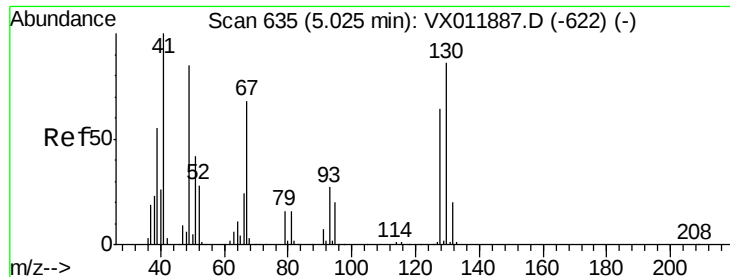
MMDadoda
9/3/2019 2:39:25 AM



#40
Benzene
Concen: 49.770 ug/l
RT: 6.13 min Scan# 816
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





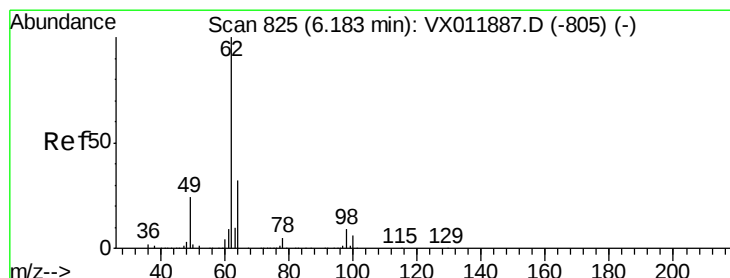
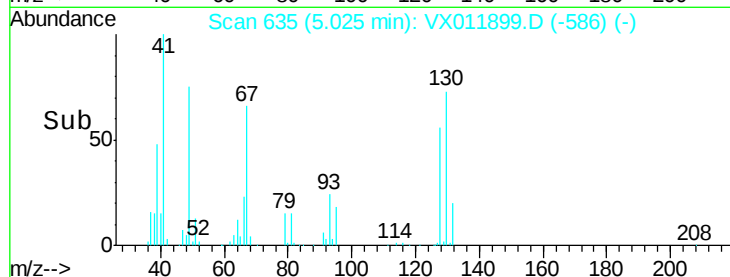
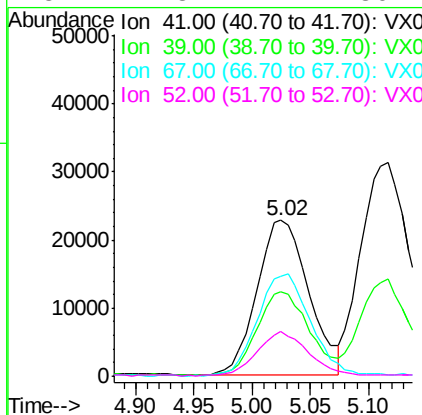
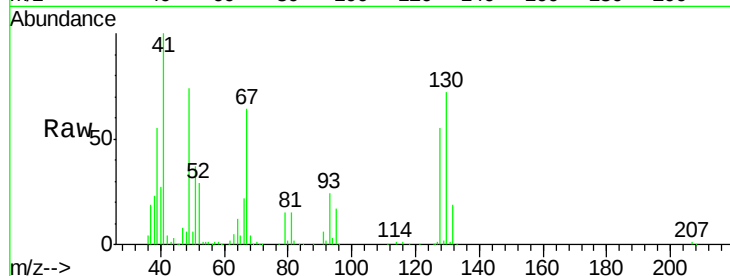
#41
Methacrylonitrile
Concen: 54.602 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	45.0	67.6
67	67.2	55.0	82.4
52	27.8	24.1	36.1

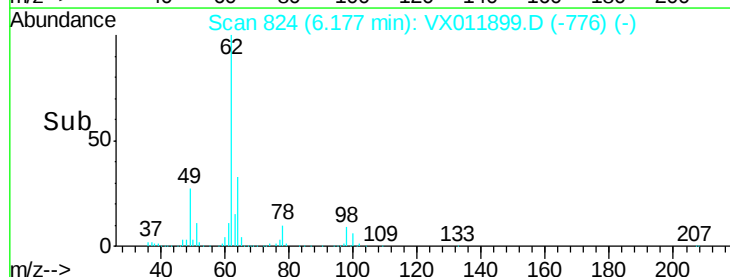
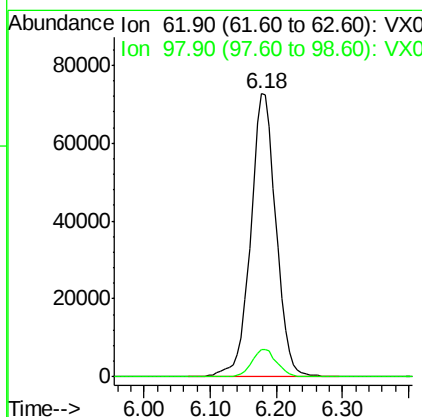
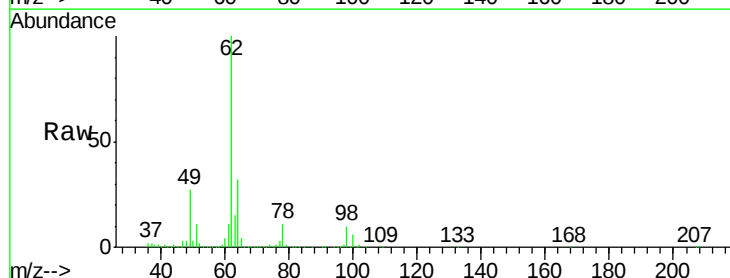
Manual Integrations
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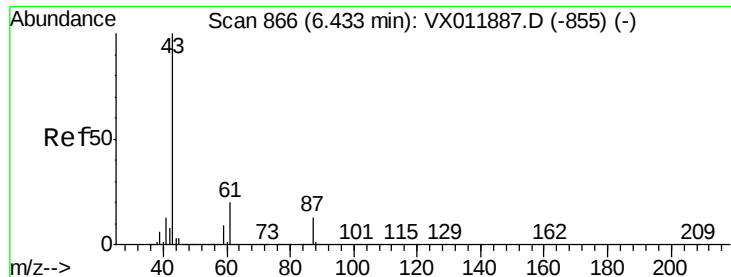
MMDadoda
9/3/2019 2:39:25 AM



#42
1,2-Dichloroethane
Concen: 51.864 ug/l
RT: 6.18 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2





#43

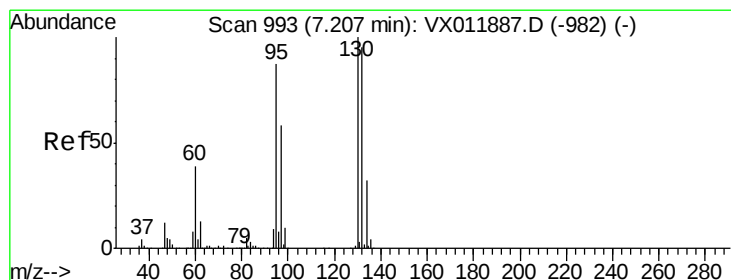
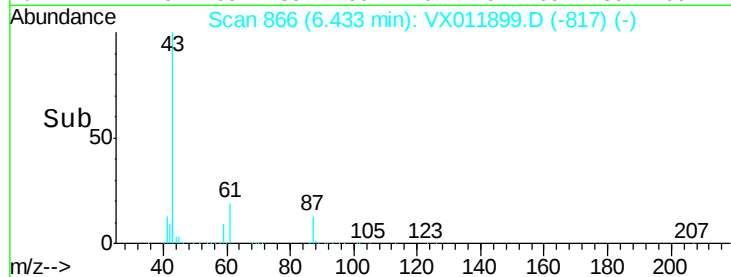
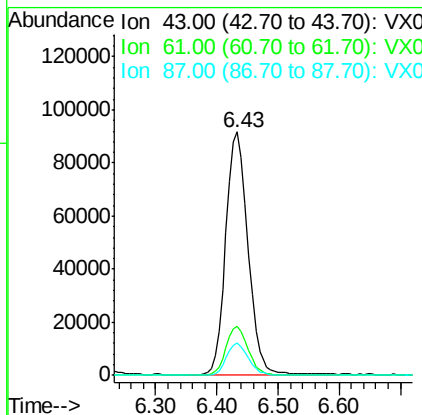
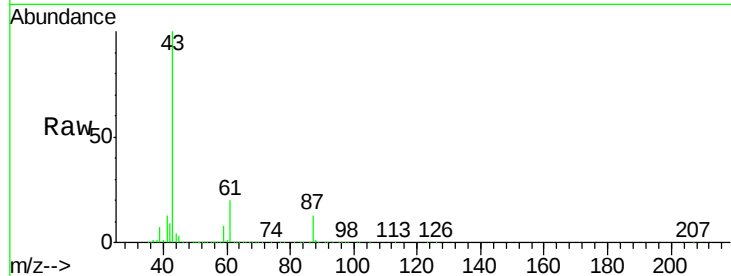
Isopropyl Acetate
 Concen: 51.955 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	13.2	10.6	16.0

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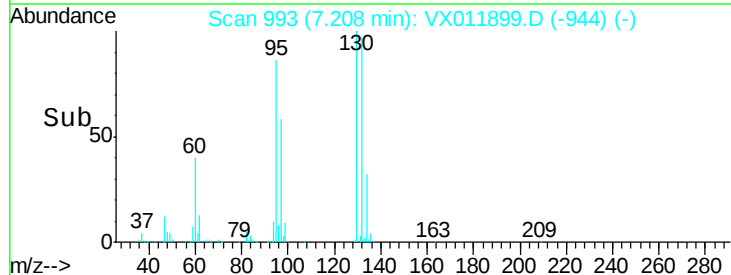
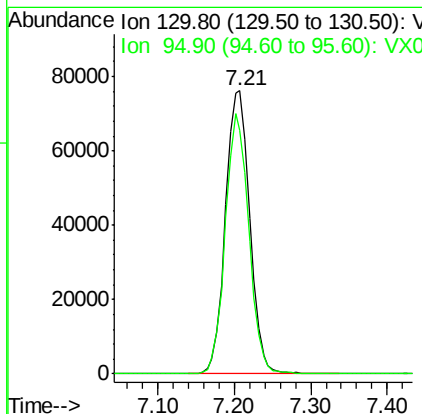
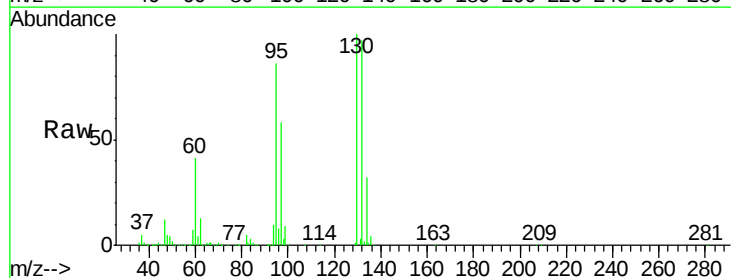
MMDadoda
 9/3/2019 2:39:25 AM

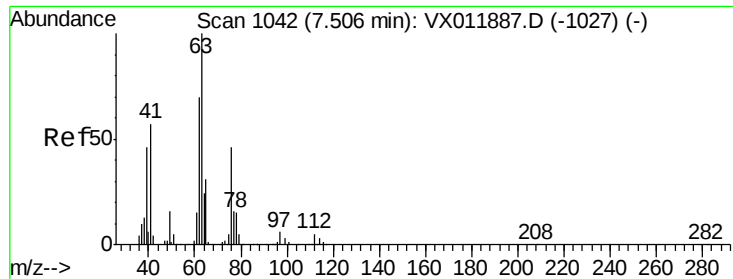


#44

Trichloroethene
 Concen: 49.016 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.1	0.0	174.6





#45

1,2-Dichloropropane

Concen: 50.359 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 145271

Ion Ratio Lower Upper

63 100

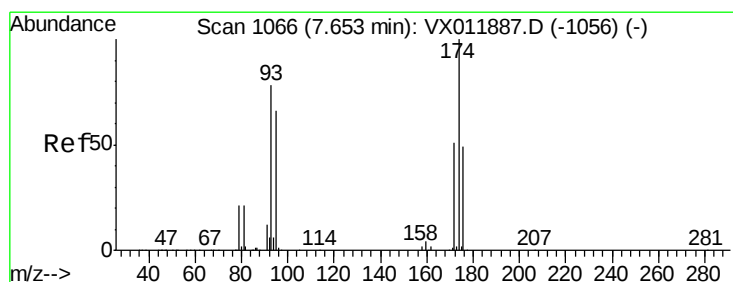
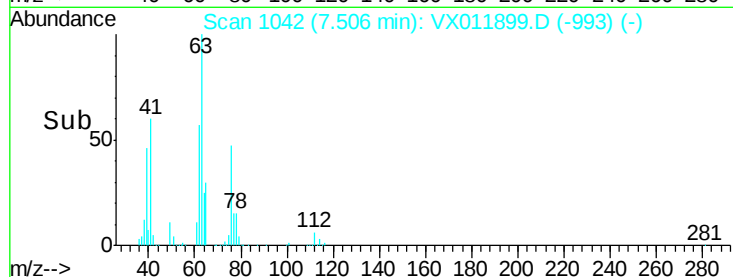
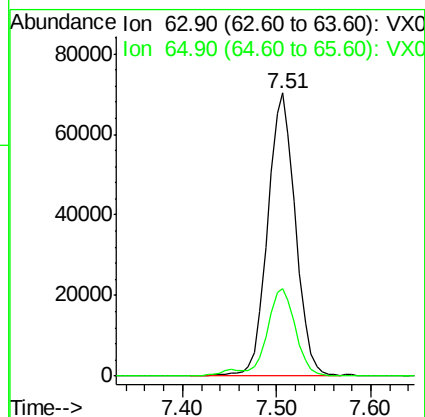
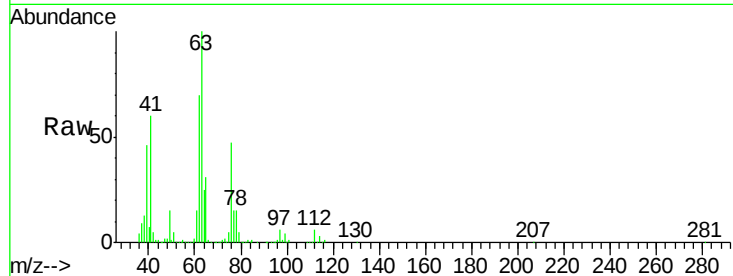
65 30.6 25.1 37.7

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#46

Dibromomethane

Concen: 52.370 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

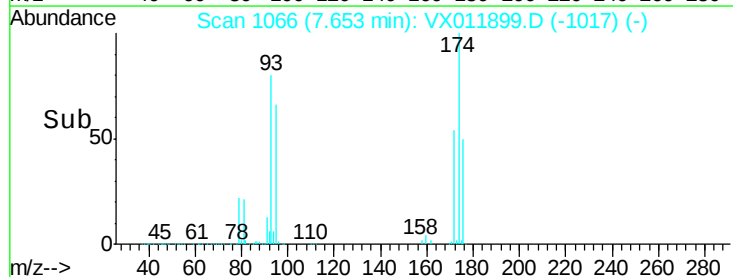
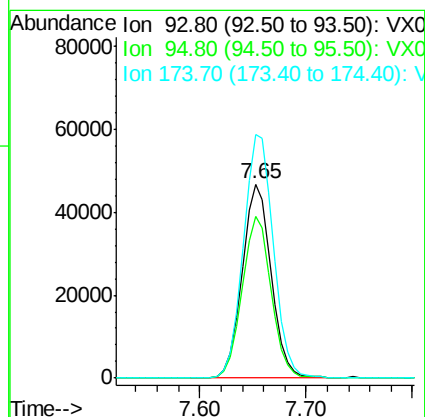
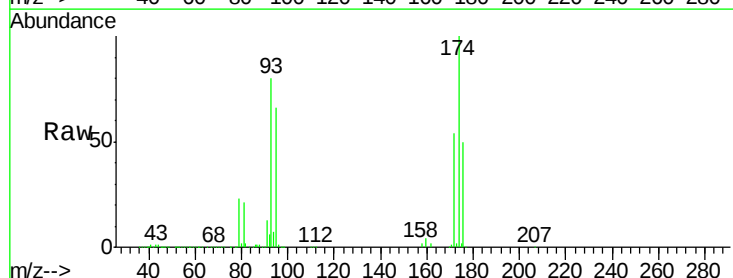
Tgt Ion: 93 Resp: 89658

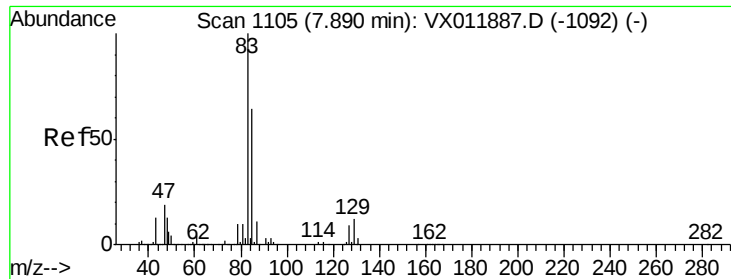
Ion Ratio Lower Upper

93 100

95 82.9 65.7 98.5

174 130.1 104.2 156.4





#47

Bromodichloromethane

Concen: 51.441 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

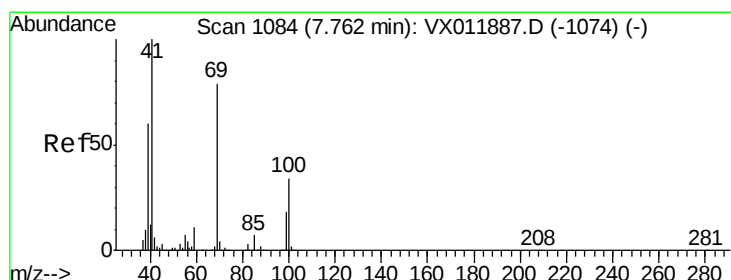
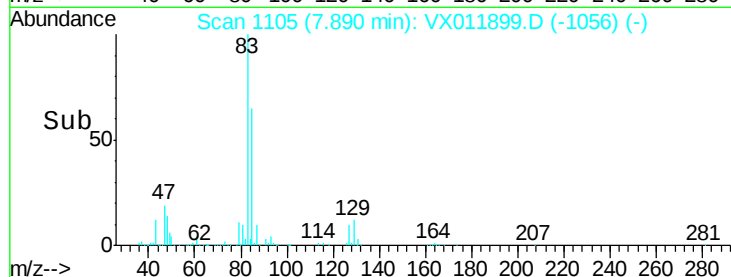
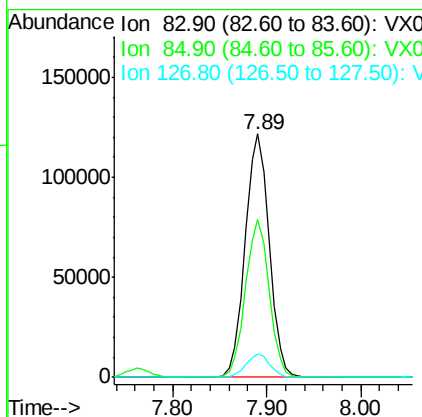
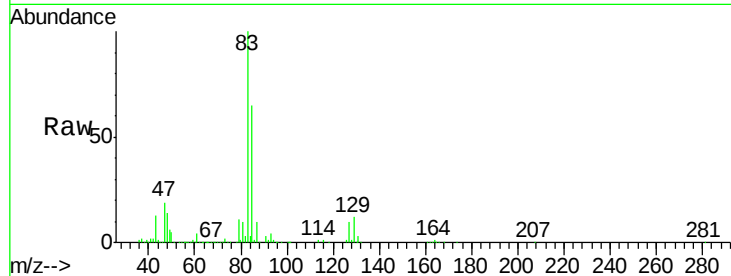
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	218381
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.1	76.7
127	9.5	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.168 ug/l

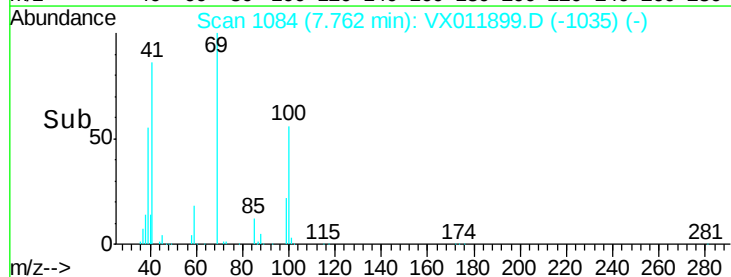
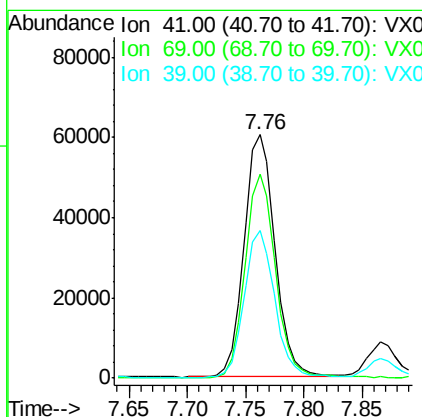
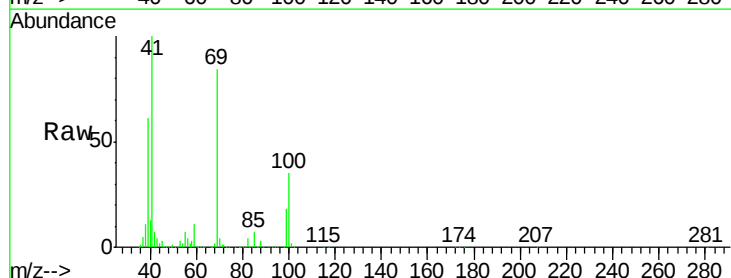
RT: 7.76 min Scan# 1084

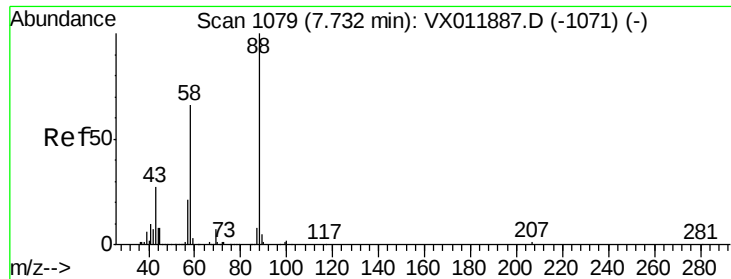
Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tgt Ion:	41	Resp:	112547
Ion Ratio	Lower	Upper	
41	100		
69	83.0	64.4	96.6
39	59.6	47.2	70.8





#49

1,4-Dioxane

Concen: 1094.179 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

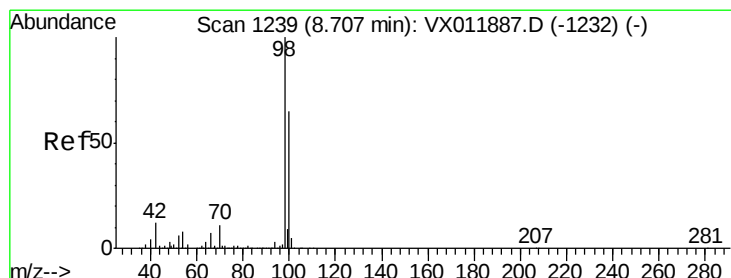
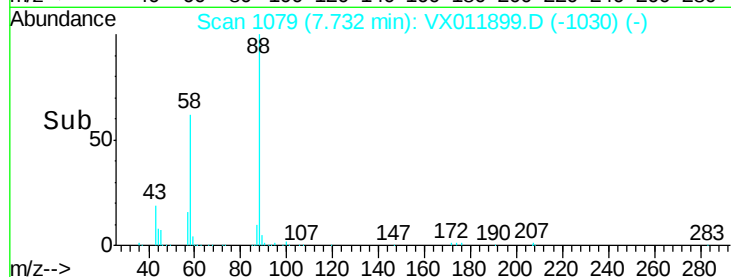
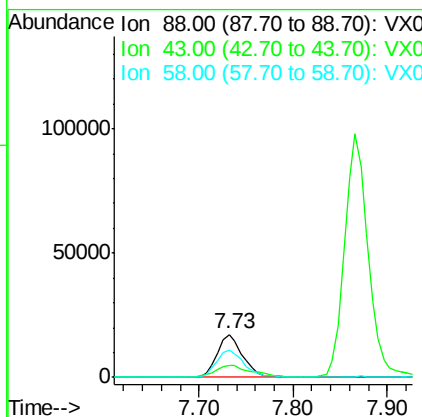
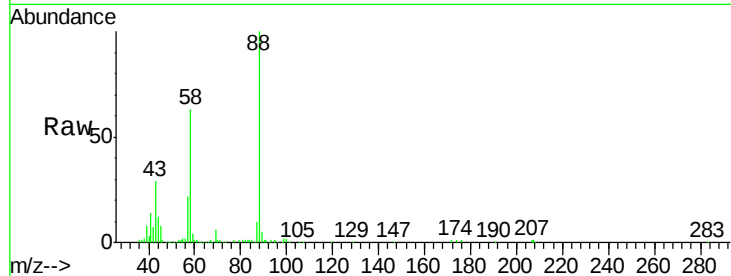
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	32461
Ion	Ratio	Lower	Upper
88	100		
43	35.6	27.3	40.9
58	67.9	53.9	80.9

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#50

Toluene-d8

Concen: 51.711 ug/l

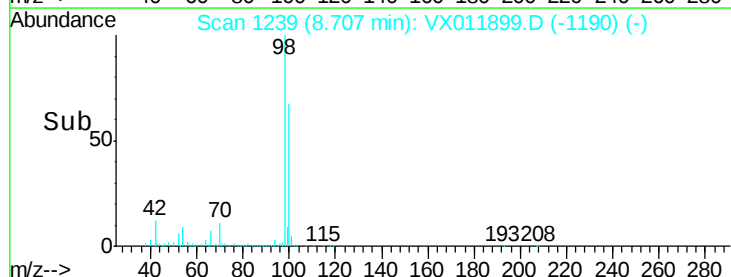
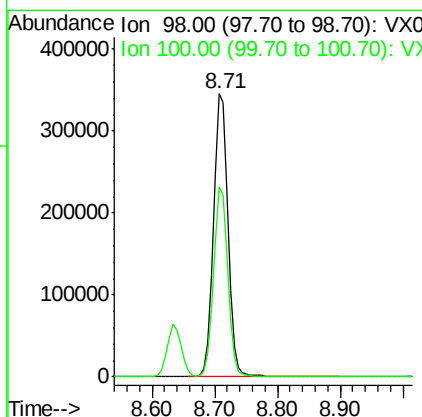
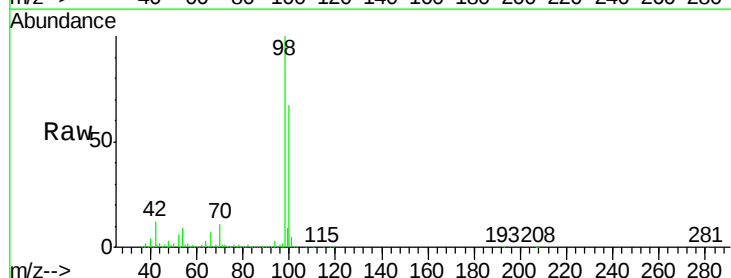
RT: 8.71 min Scan# 1239

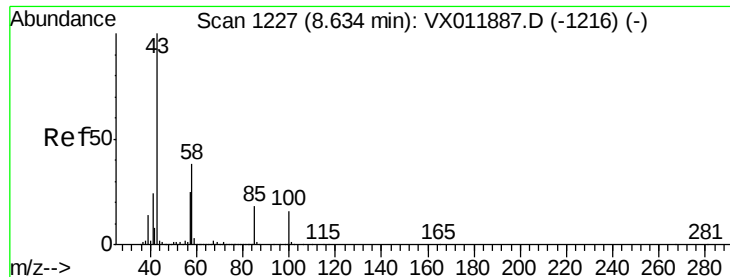
Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tgt Ion:	98	Resp:	552773
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.6





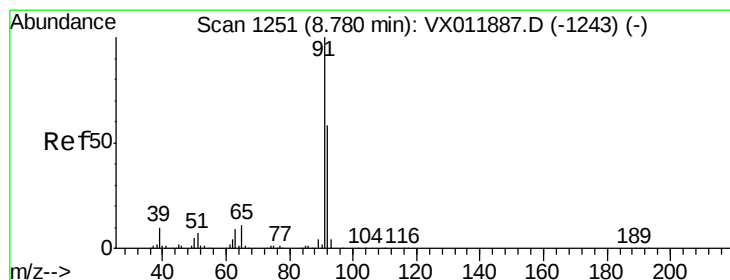
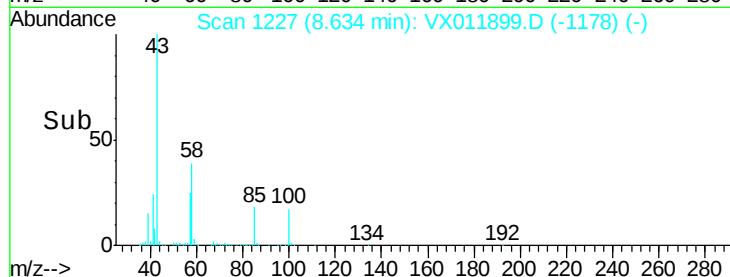
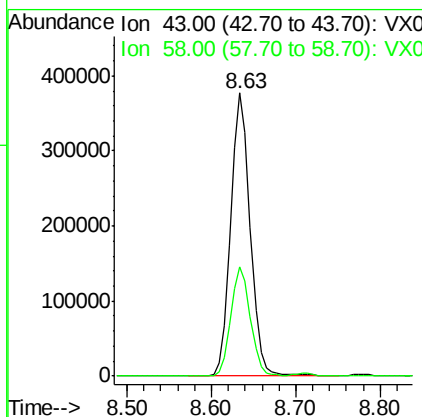
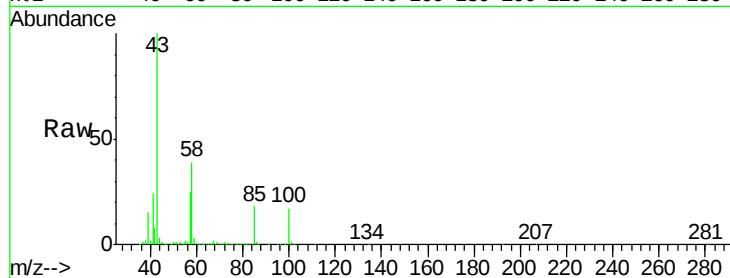
#51
4-Methyl-2-Pentanone
Concen: 264.722 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.9	46.3

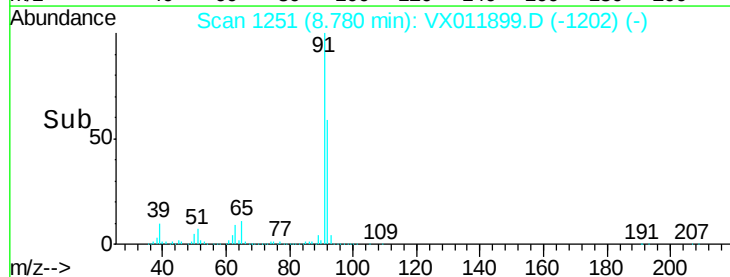
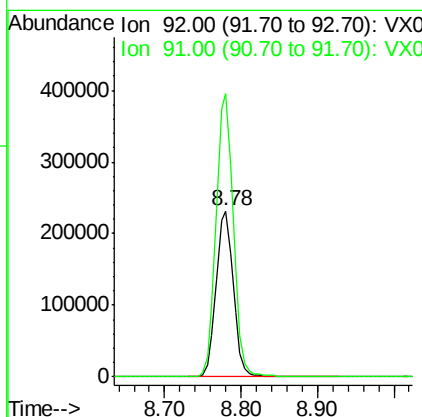
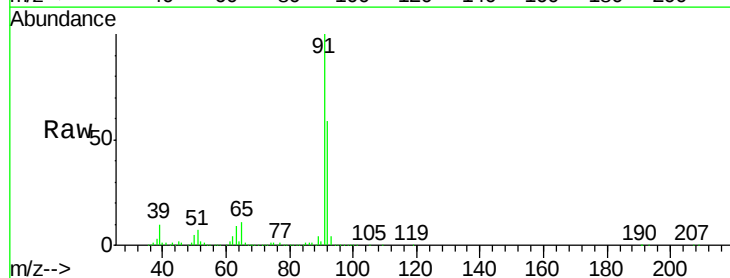
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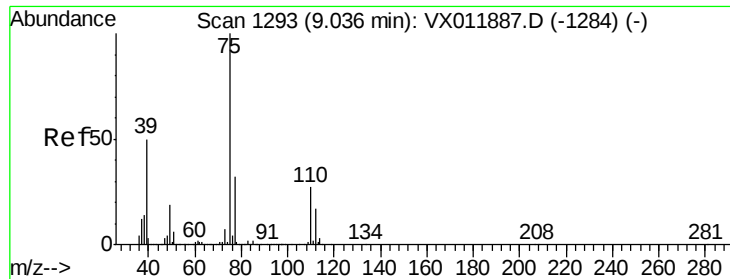
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9/3/2019 2:39:25 AM



#52
Toluene
Concen: 49.737 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.1	136.8	205.2





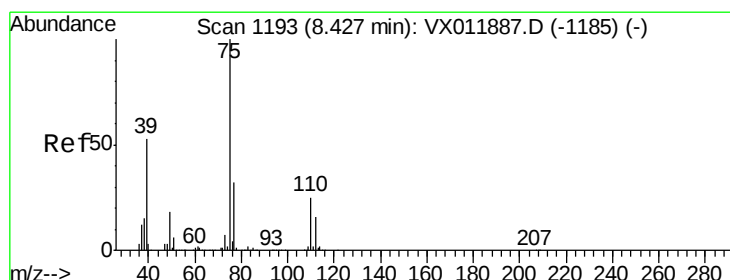
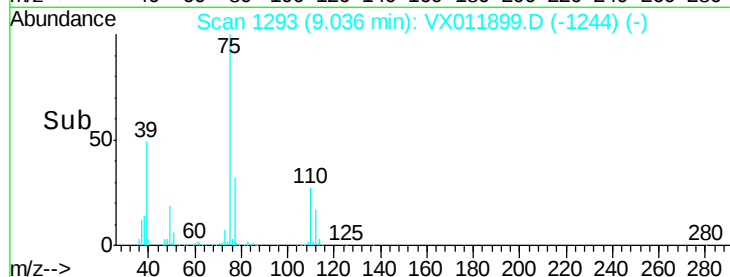
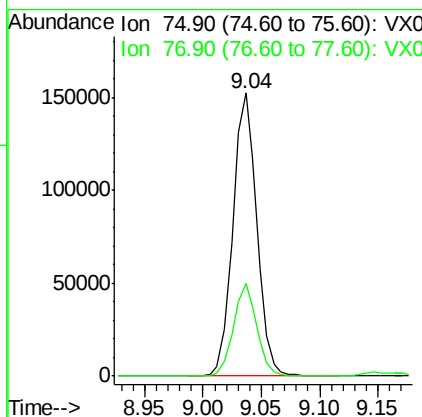
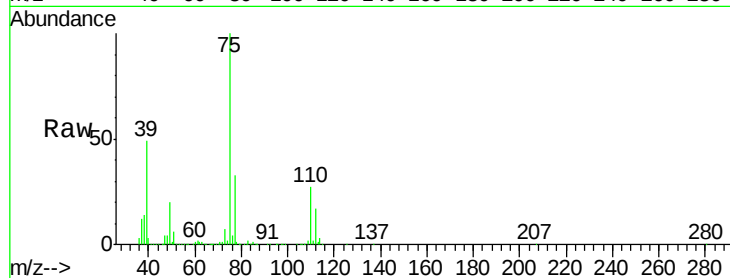
#53
t-1,3-Dichloropropene
Concen: 50.140 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.6	38.4

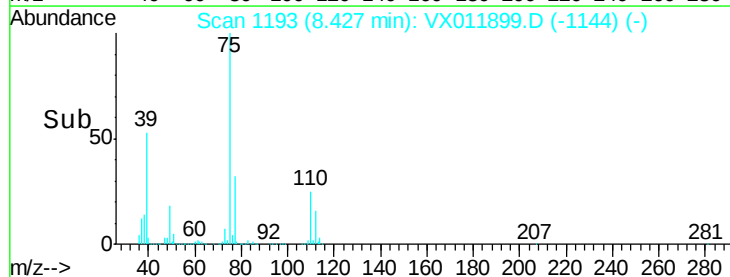
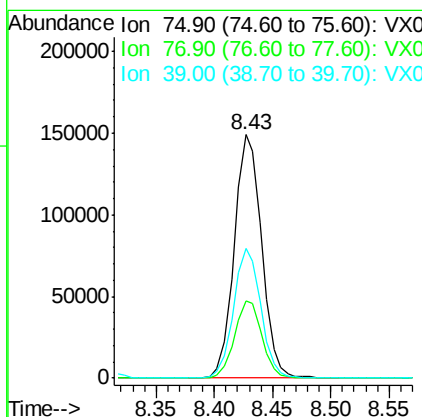
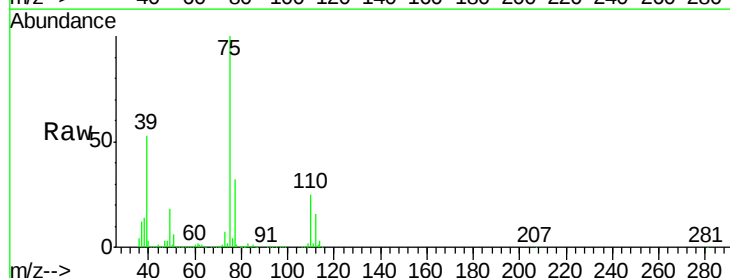
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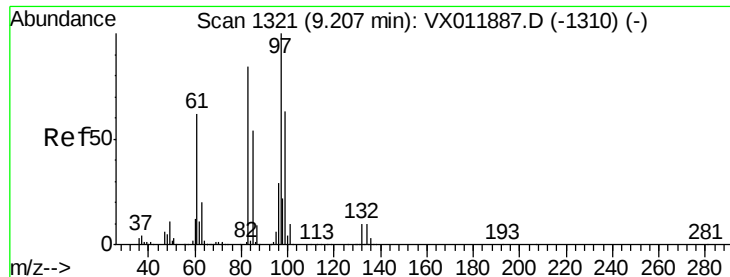
MMDadoda
9/3/2019 2:39:25 AM



#54
cis-1,3-Dichloropropene
Concen: 50.114 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	52.9	42.6	64.0





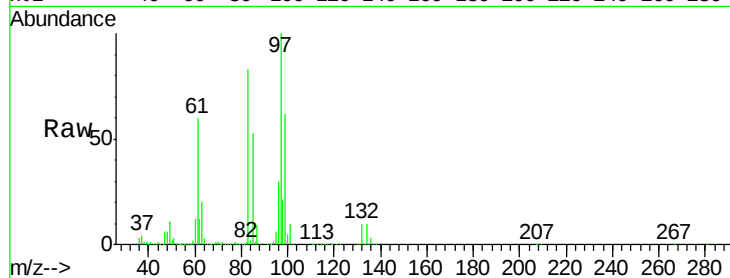
#55
 1,1,2-Trichloroethane
 Concen: 51.670 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

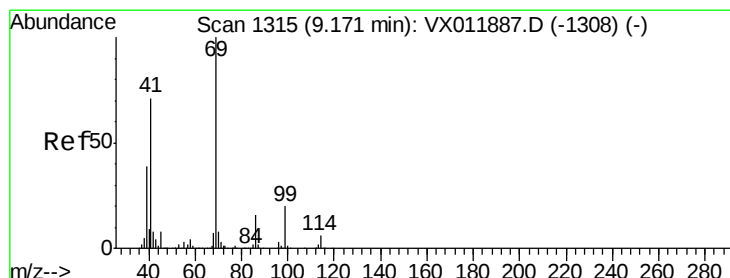
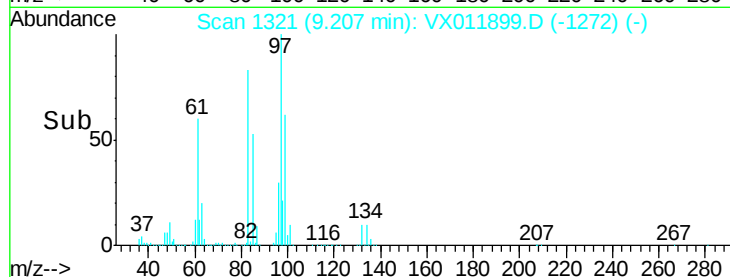
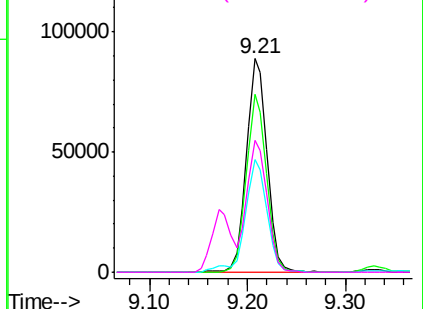
Tot Ion:	97	Resp:	129501
Ion	Ratio	Lower	Upper
97	100		
83	83.2	66.8	100.2
85	52.9	43.5	65.3
99	61.7	50.6	75.8

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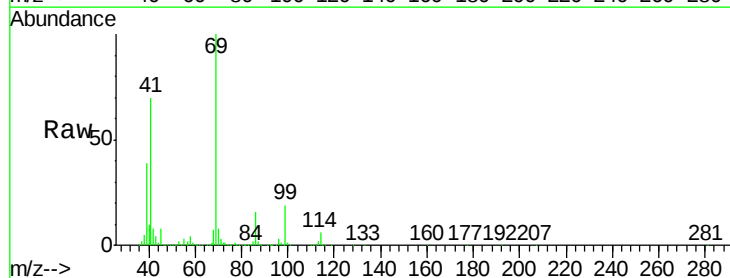


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

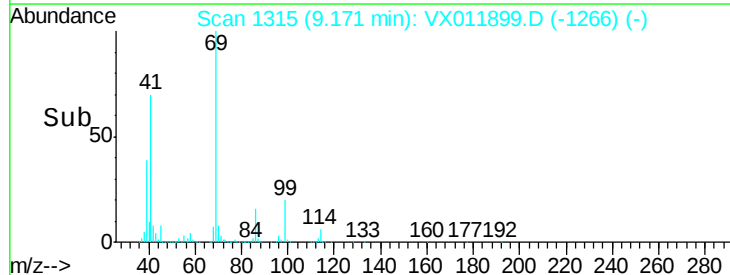
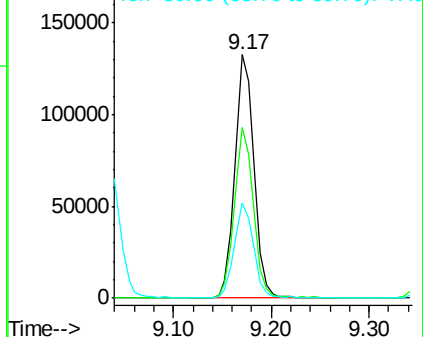


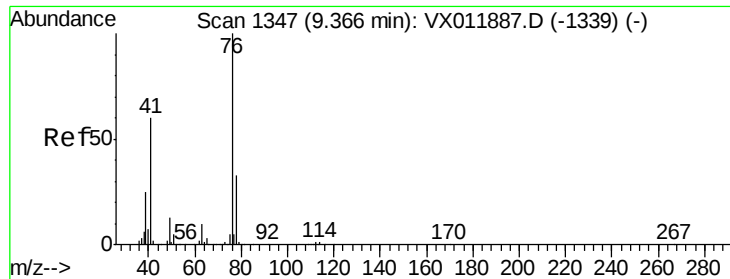
#56
 Ethyl methacrylate
 Concen: 51.917 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Tgt Ion:	69	Resp:	180592
Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.8	83.8
39	38.9	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: 51.714 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 215127

Ion Ratio Lower Upper

76 100

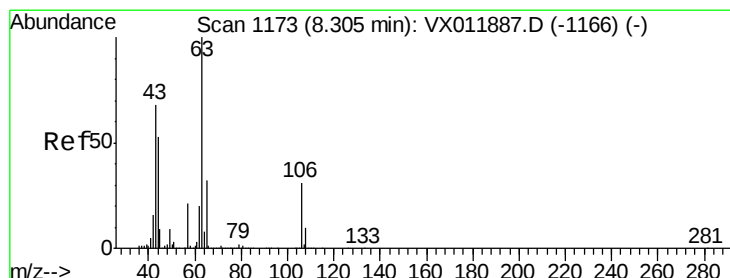
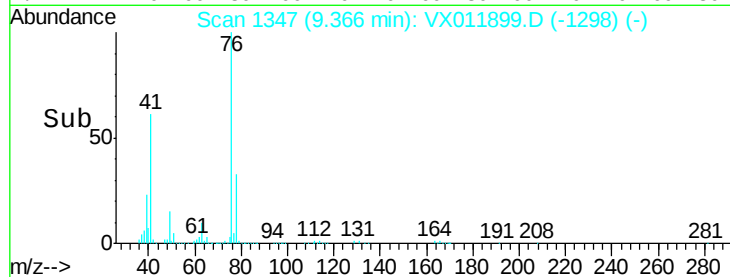
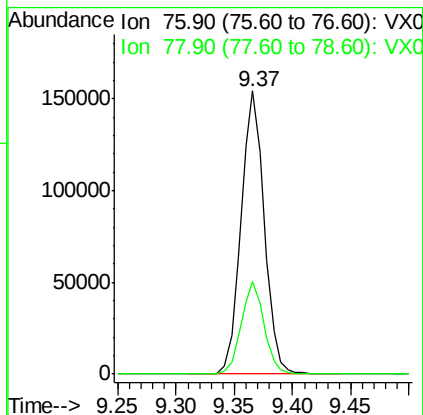
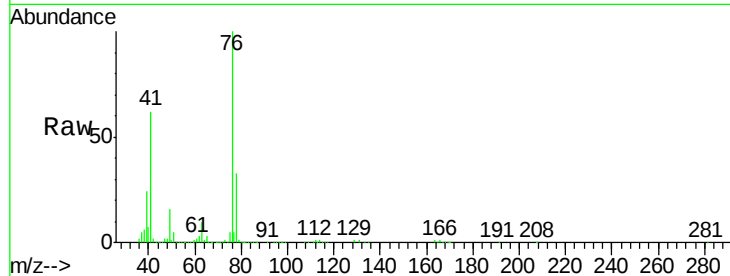
78 32.1 26.4 39.6

Manual Integrations

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MMDadoda

9/3/2019 2:39:25 AM



#58

2-Chloroethyl Vinyl ether

Concen: 258.761 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011899.D

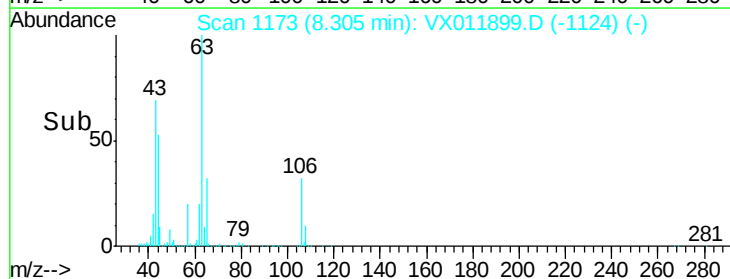
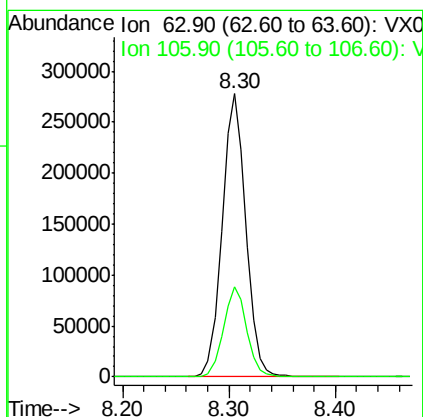
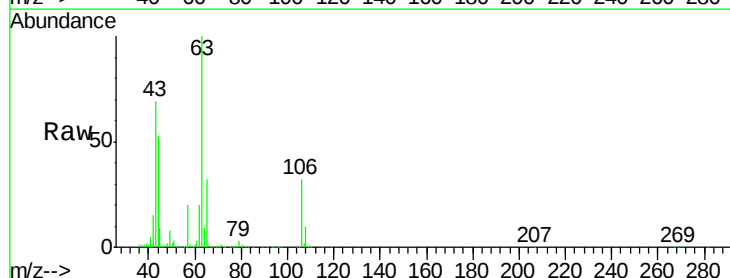
Acq: 30 Aug 2019 04:55

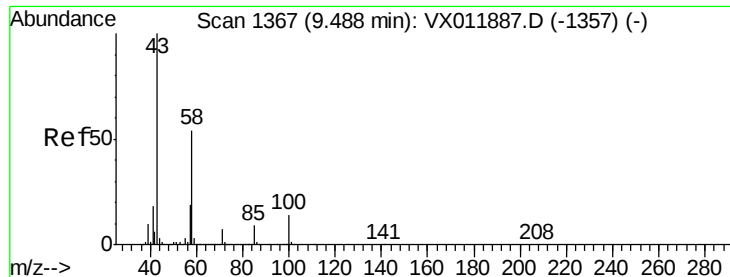
Tgt Ion: 63 Resp: 428708

Ion Ratio Lower Upper

63 100

106 31.5 24.8 37.2





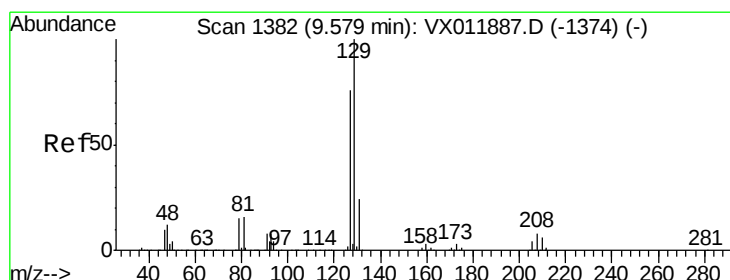
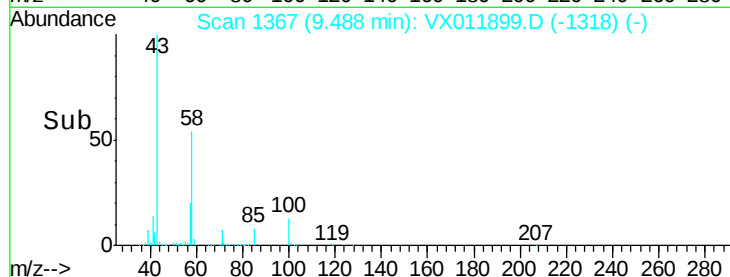
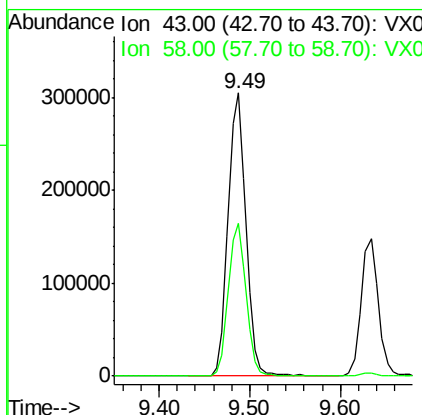
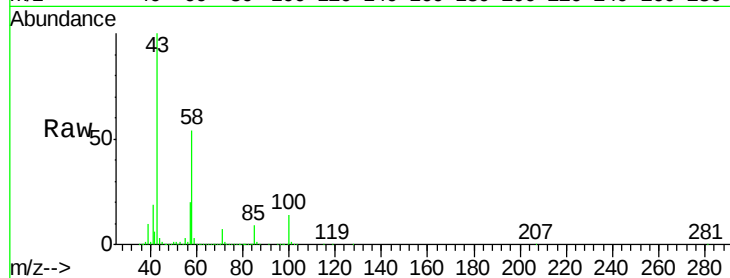
#59
2-Hexanone
Concen: 260.802 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 417291
Ion Ratio Lower Upper
43 100
58 53.9 26.8 80.4

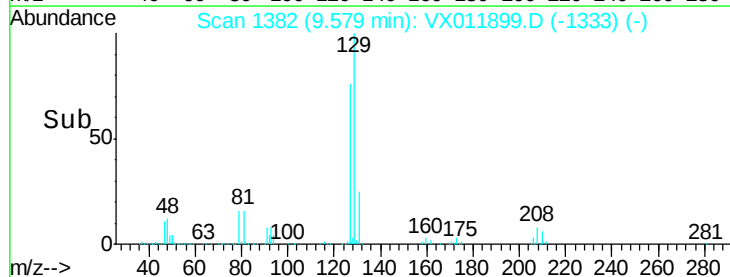
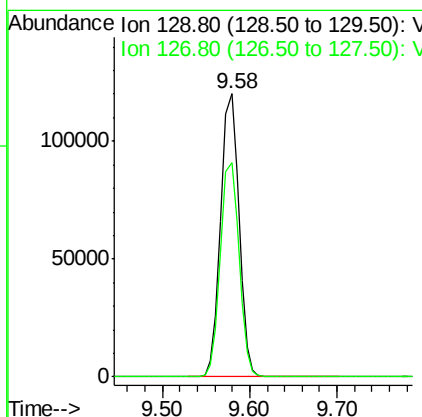
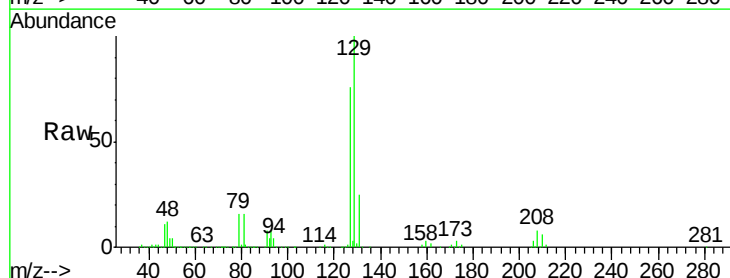
Manual Integrations
APPROVED

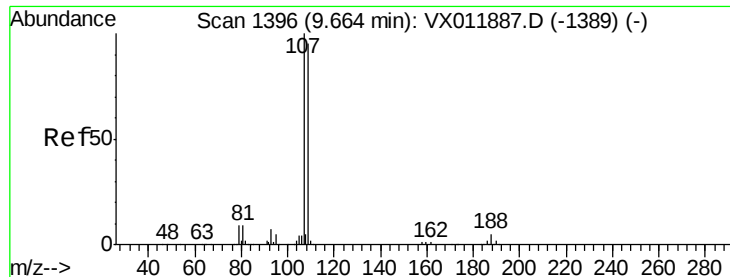
MMDadoda
9/3/2019 2:39:25 AM



#60
Dibromochloromethane
Concen: 51.924 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion: 129 Resp: 174786
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.7





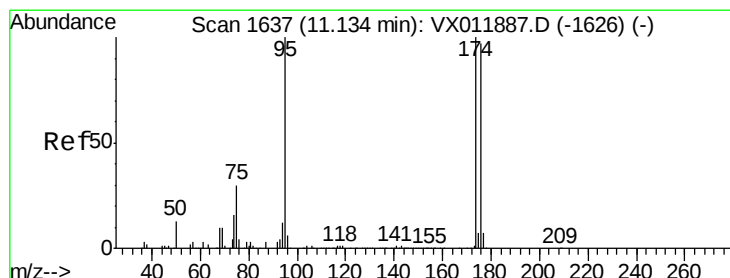
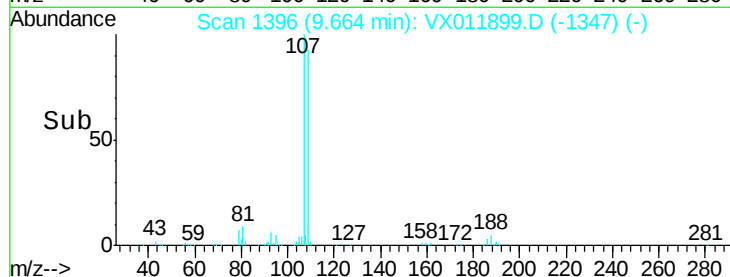
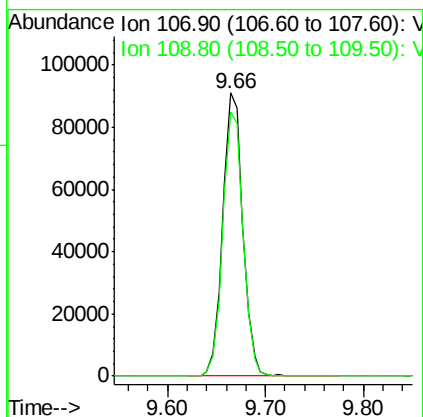
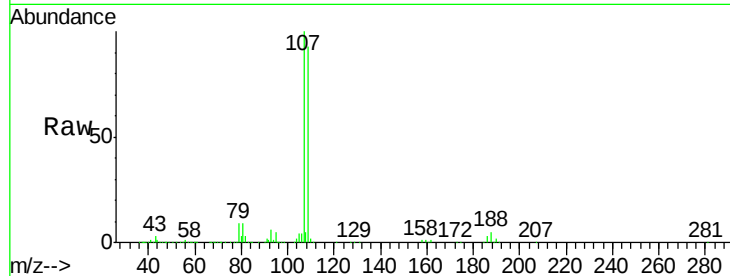
#61
 1,2-Dibromoethane
 Concen: 52.030 ug/l
 RT: 9.66 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.3	112.9

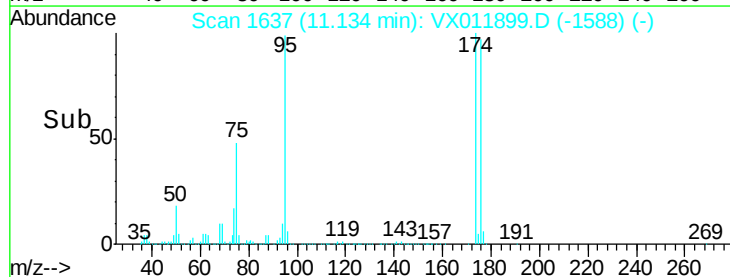
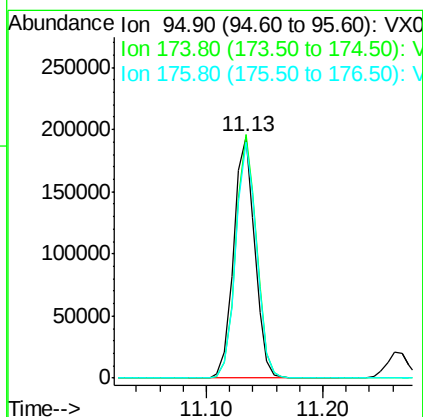
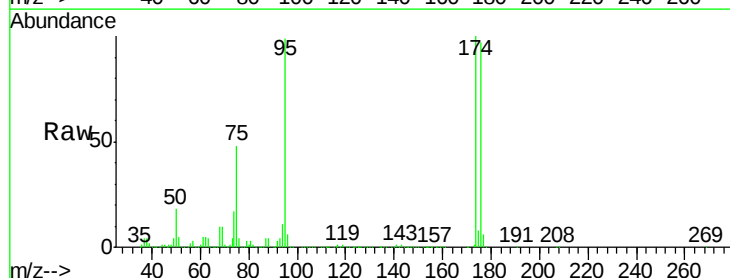
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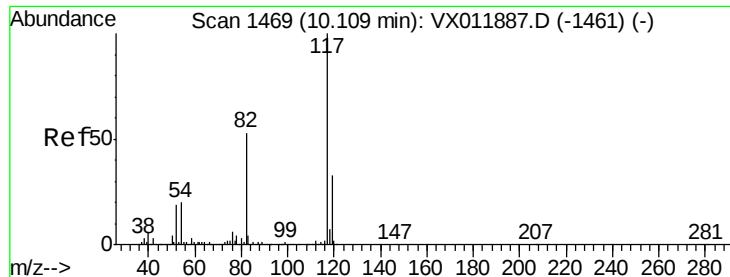
MMDadoda
 9/3/2019 2:39:25 AM



#62
 4-Bromofluorobenzene
 Concen: 52.080 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.7	0.0	196.0
176	97.1	0.0	191.4





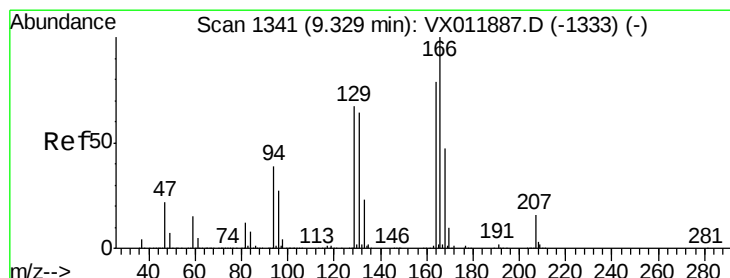
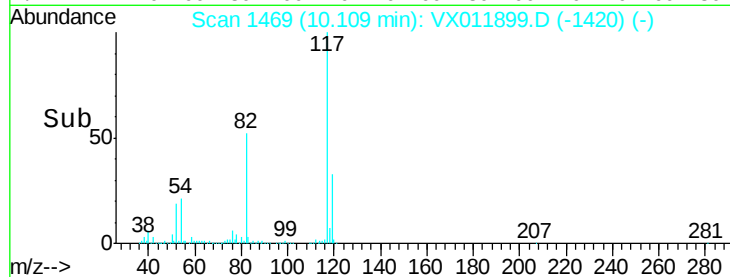
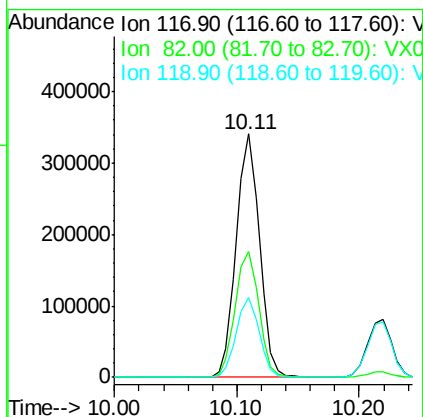
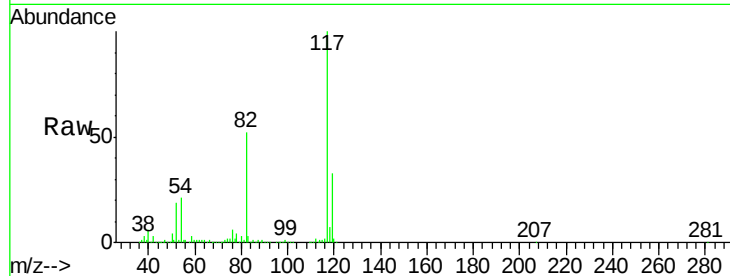
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.0	63.0
119	32.6	26.2	39.4

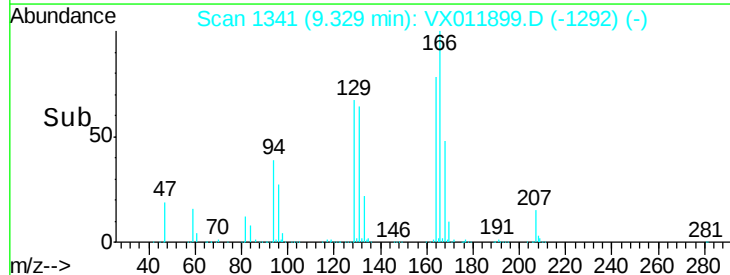
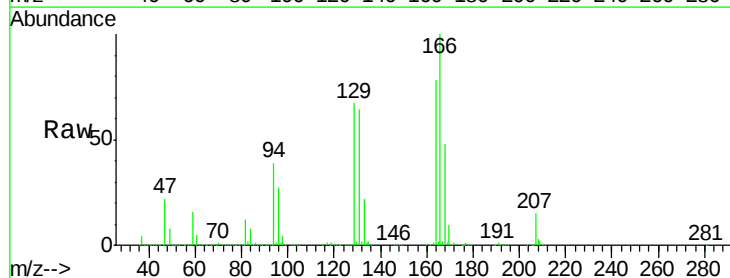
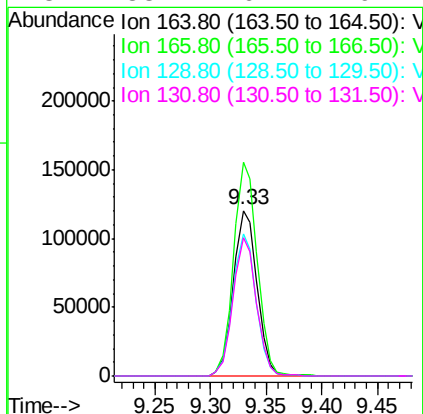
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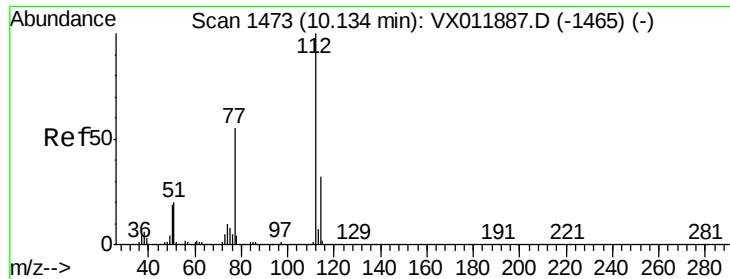
MMDadoda
9/3/2019 2:39:25 AM



#64
Tetrachloroethene
Concen: 49.397 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.4	152.0
129	86.2	68.0	102.0
131	83.1	64.7	97.1





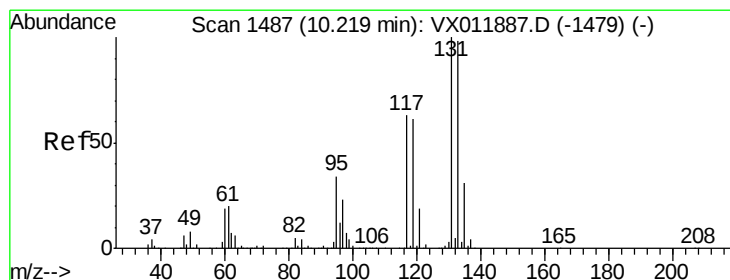
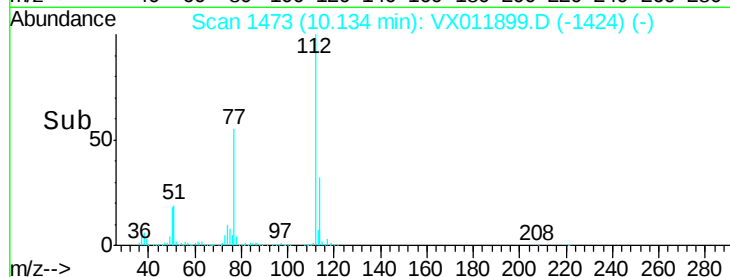
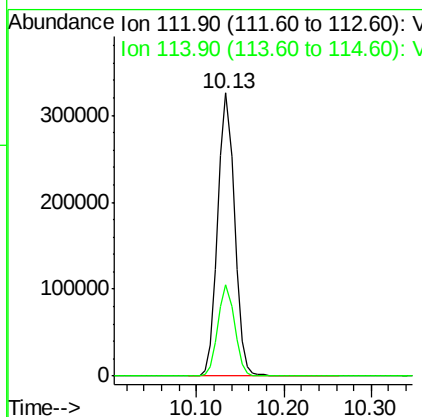
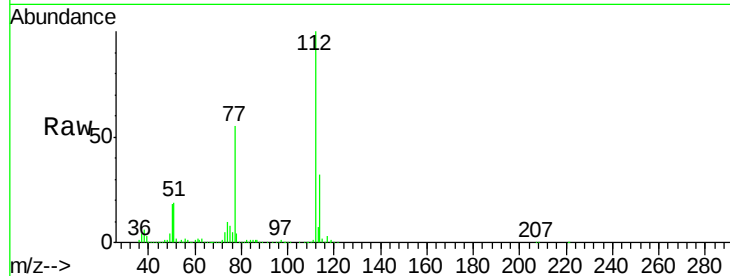
#65
Chlorobenzene
Concen: 49.917 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 433095
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9

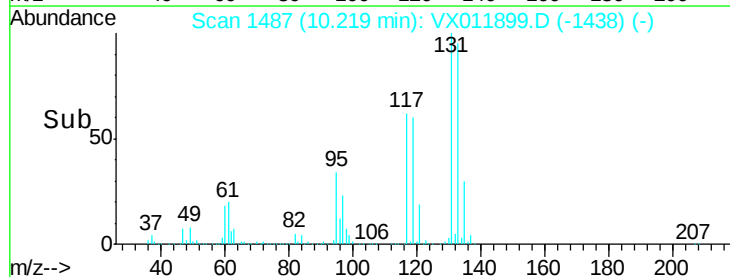
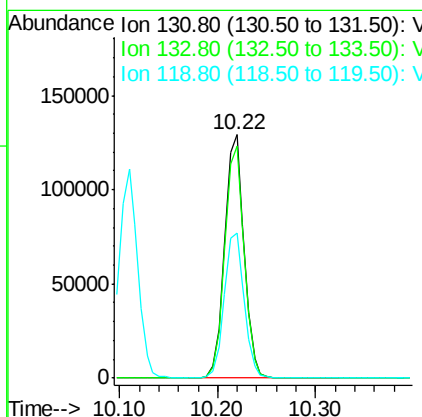
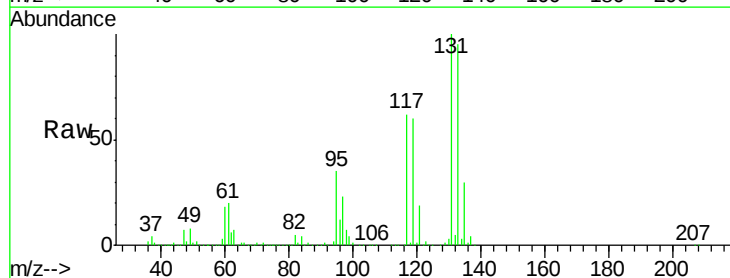
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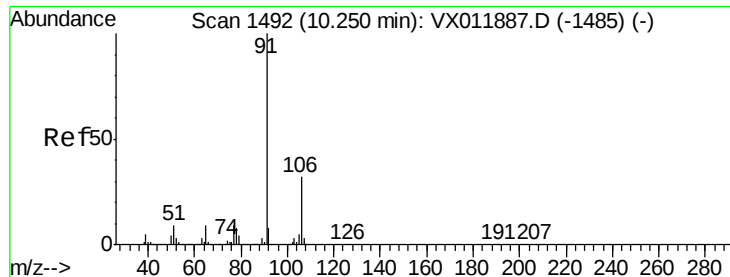
MMDadoda
9/3/2019 2:39:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.437 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion:131 Resp: 176964
Ion Ratio Lower Upper
131 100
133 95.9 48.4 145.0
119 61.5 30.6 92.0





#67

Ethyl Benzene

Concen: 48.332 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 713307

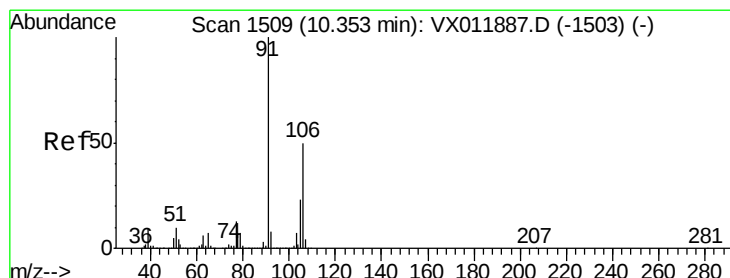
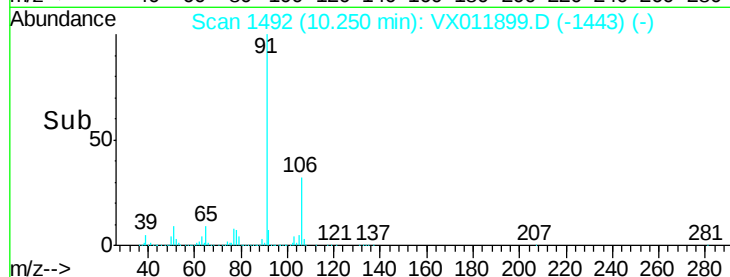
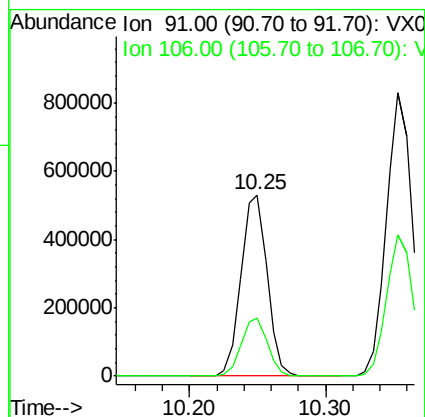
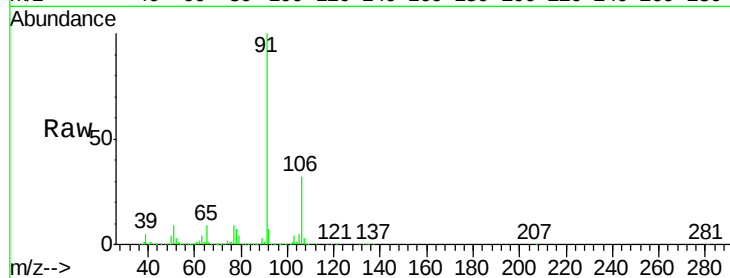
Ion Ratio Lower Upper

91 100

106 32.3 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:25 AM



#68

m/p-Xylenes

Concen: 97.780 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011899.D

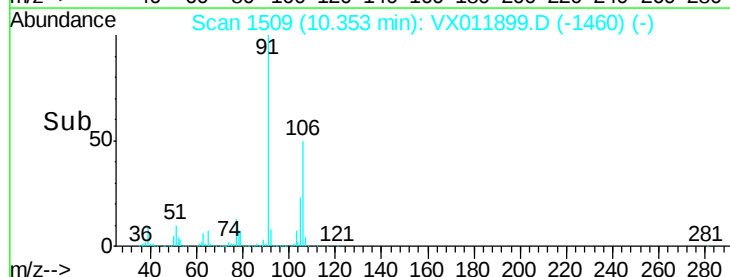
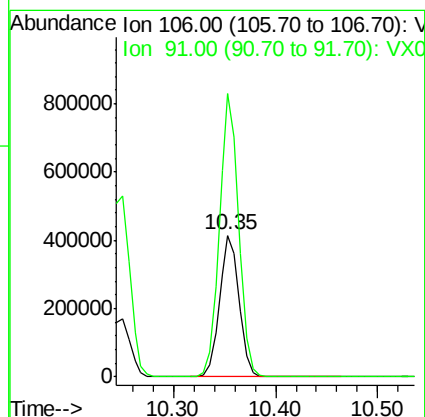
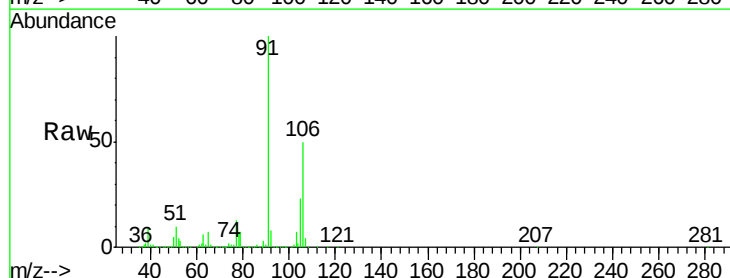
Acq: 30 Aug 2019 04:55

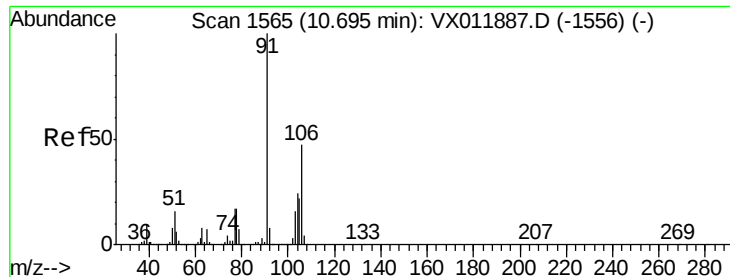
Tgt Ion: 106 Resp: 557227

Ion Ratio Lower Upper

106 100

91 197.3 158.6 237.8





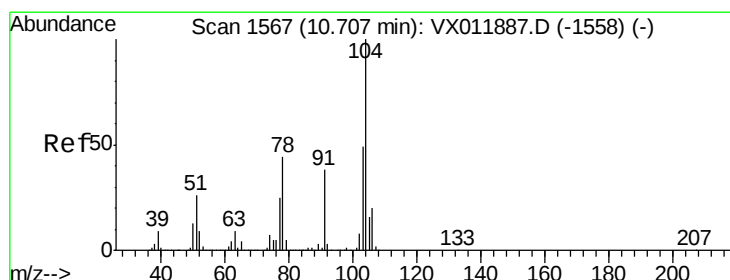
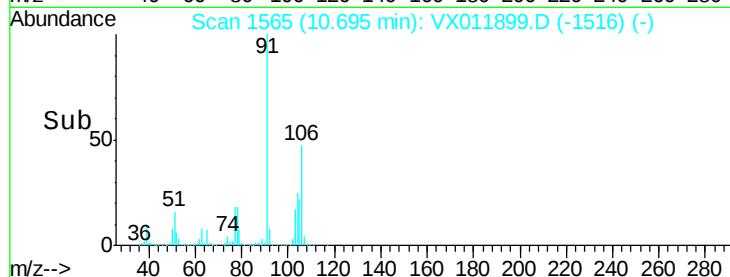
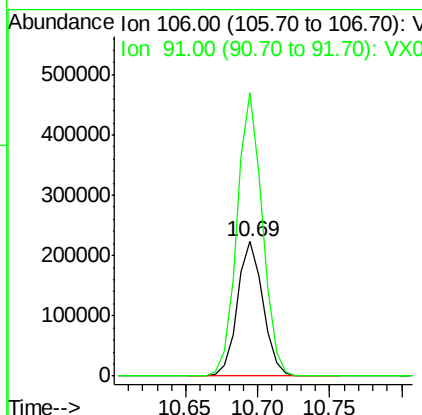
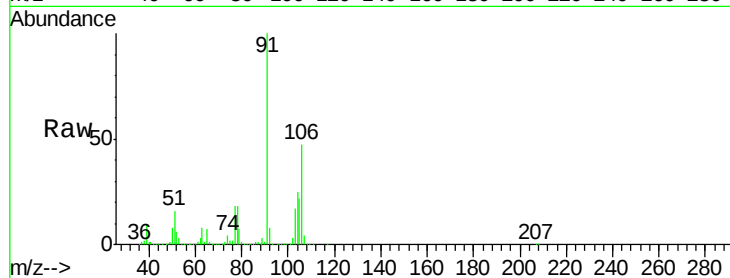
#69
o-Xylene
Concen: 49.676 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		275867		
91	208.7	104.8	314.6		

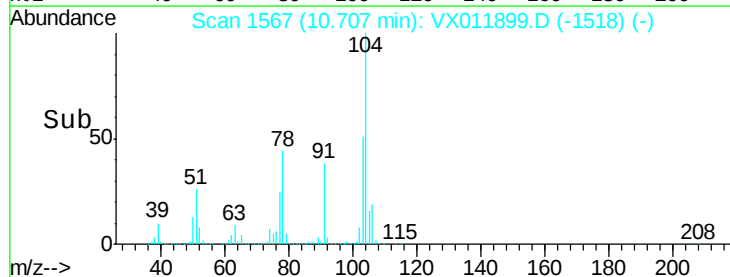
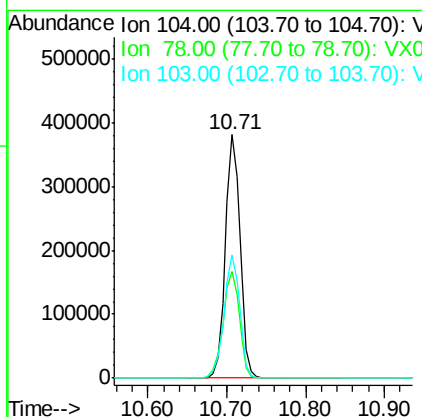
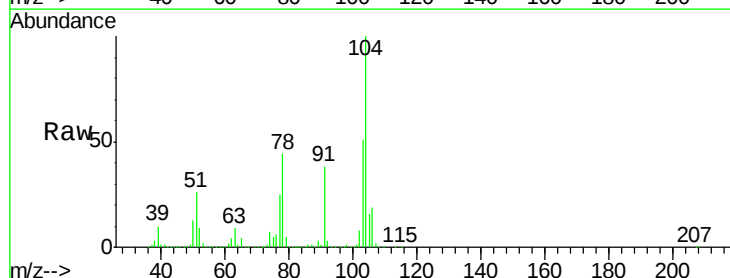
Manual Integrations
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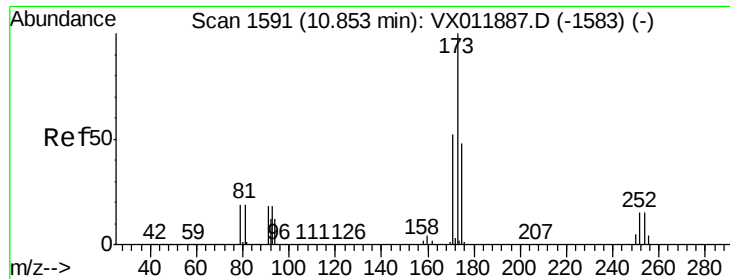
MMDadoda
9/3/2019 2:39:25 AM



#70
Styrene
Concen: 50.352 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		492856		
78	49.0	39.2	58.8		
103	54.0	43.0	64.6		





#71

Bromoform

Concen: 51.919 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 128806

Ion Ratio Lower Upper

173 100

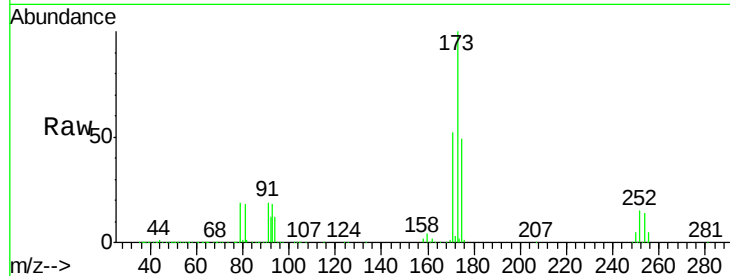
175 49.1 24.4 73.2

254 0.2 0.1 0.1#

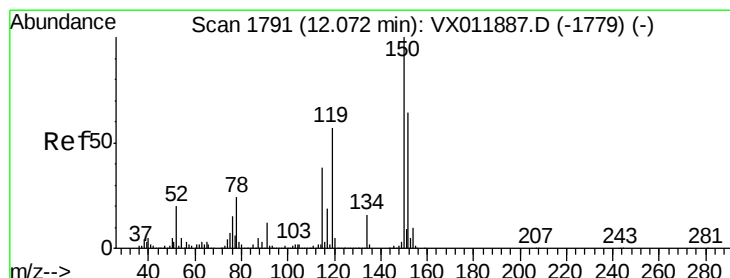
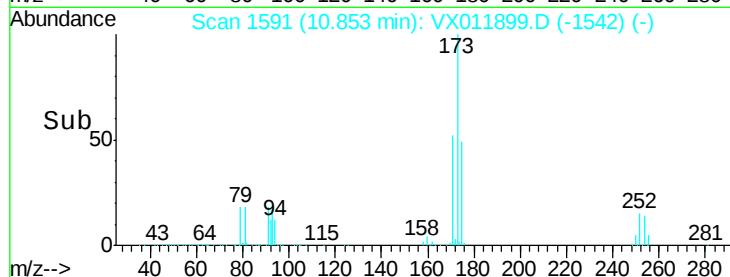
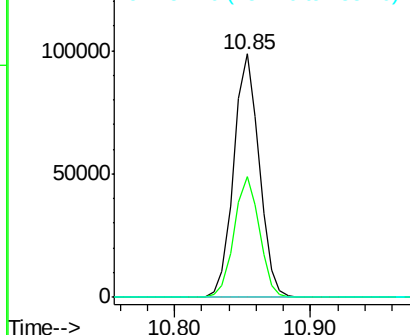
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

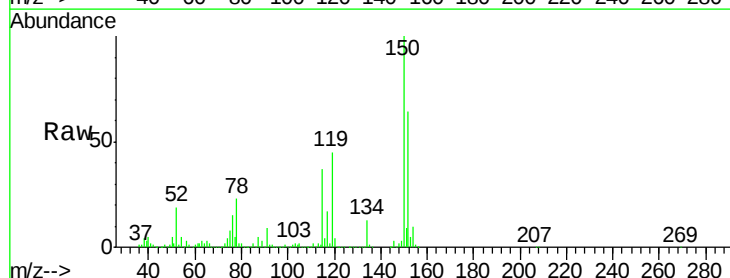
Tgt Ion:152 Resp: 267117

Ion Ratio Lower Upper

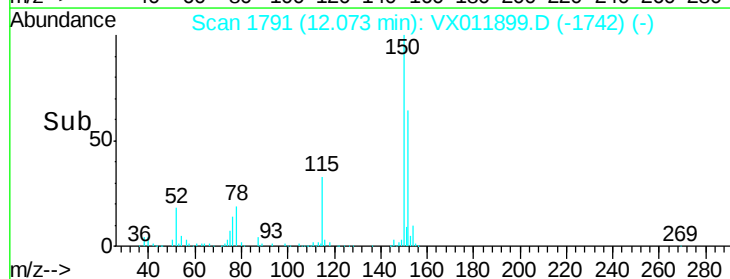
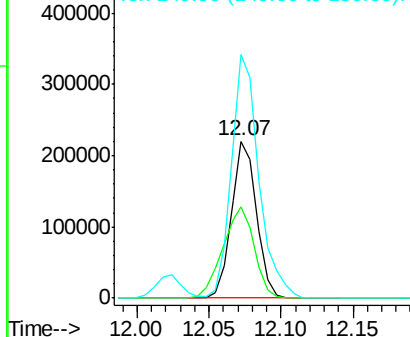
152 100

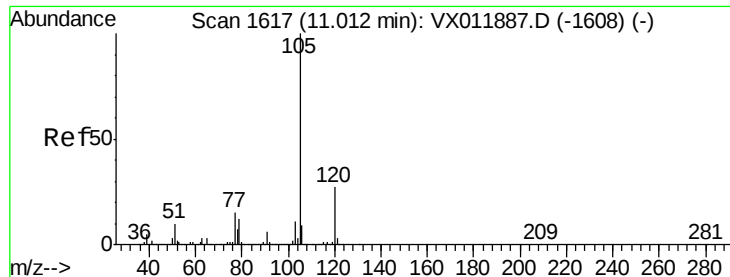
115 72.2 37.1 111.3

150 171.0 0.0 339.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.018 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 706286

Ion Ratio Lower Upper

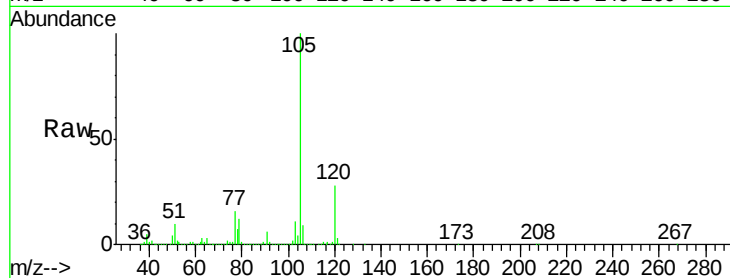
105 100

120 27.9 13.8 41.4

Manual Integrations
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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

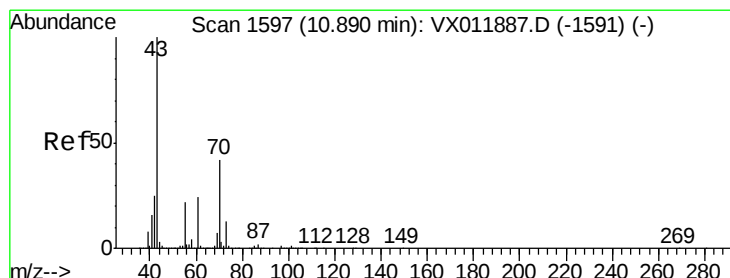
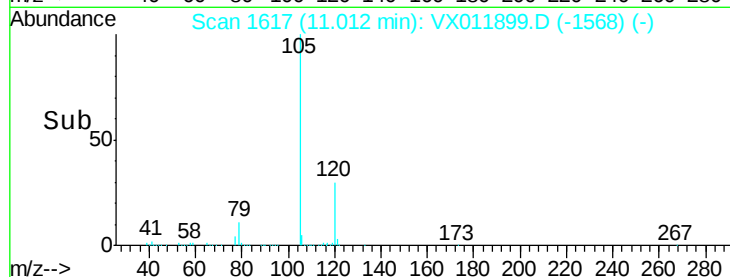
200000

100000

0

11.01

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 48.197 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tgt Ion: 43 Resp: 219524

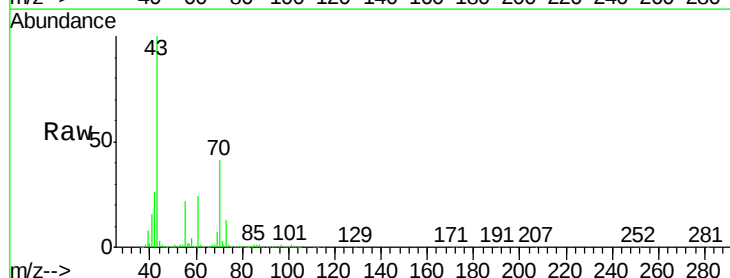
Ion Ratio Lower Upper

43 100

70 42.1 0.2 0.2#

55 22.8 0.1 0.1#

61 24.3 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

150000

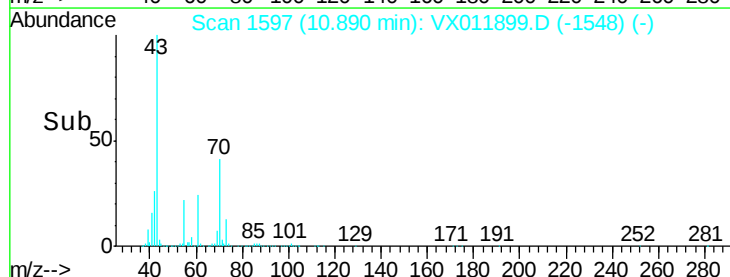
100000

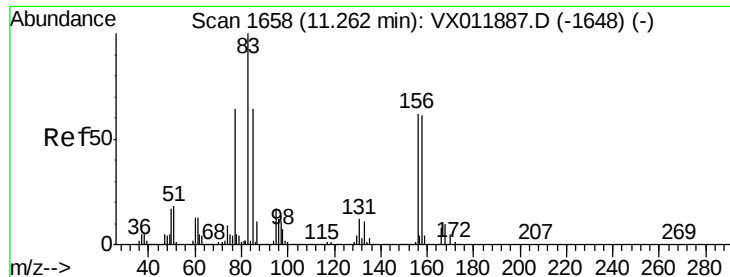
50000

0

10.89

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.090 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

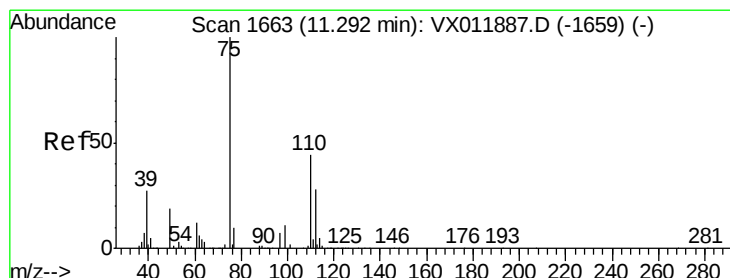
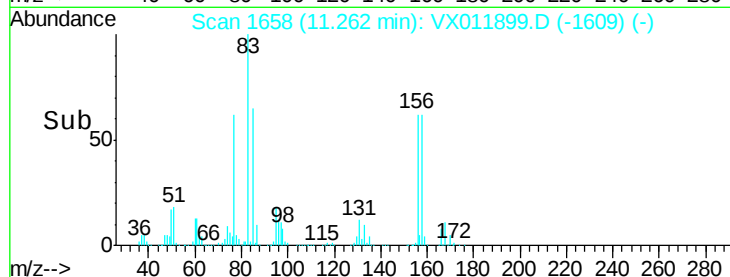
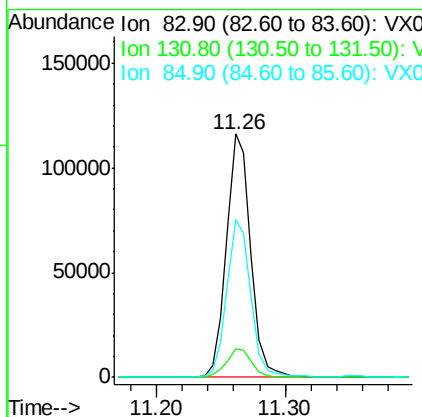
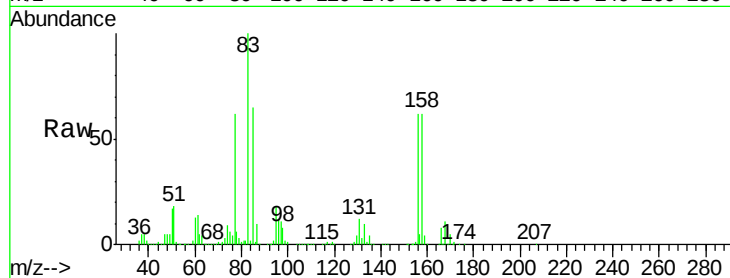
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	154196
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.0	18.0
85	64.2	31.9	95.9

Manual Integrations
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MMDadoda
9/3/2019 2:39:25 AM



#76

1,2,3-Trichloropropane

Concen: 49.811 ug/l m

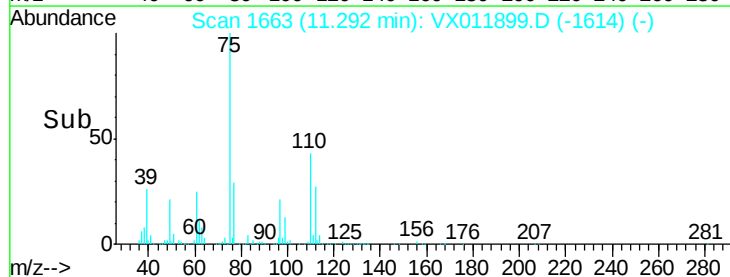
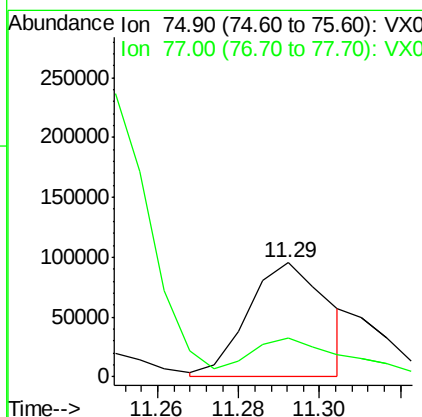
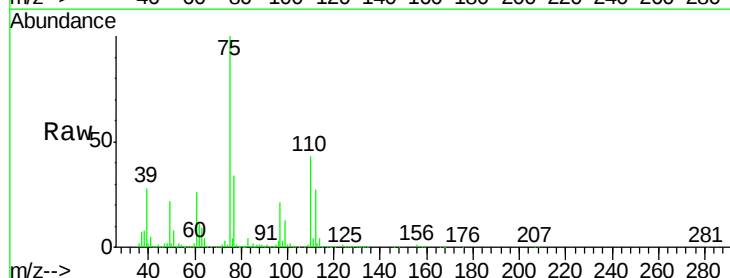
RT: 11.29 min Scan# 1663

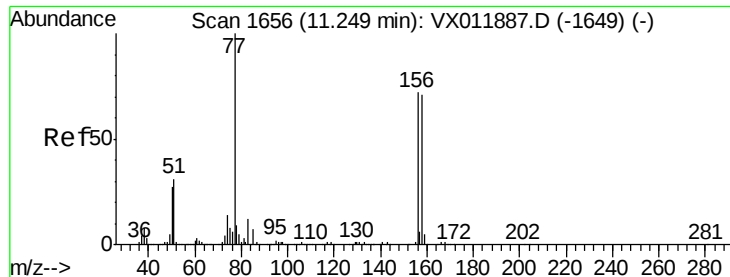
Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tgt Ion:	75	Resp:	130886
Ion Ratio	Lower	Upper	
75	100		
77	41.3	20.9	62.7





#77

Bromobenzene

Concen: 49.633 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

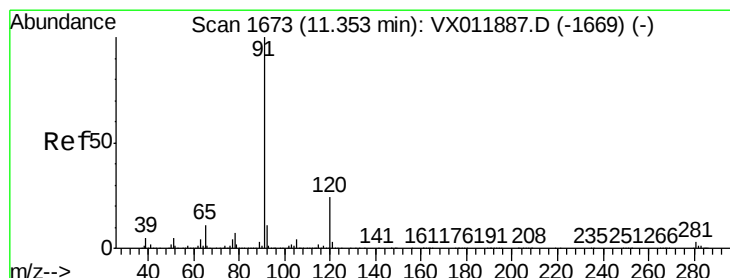
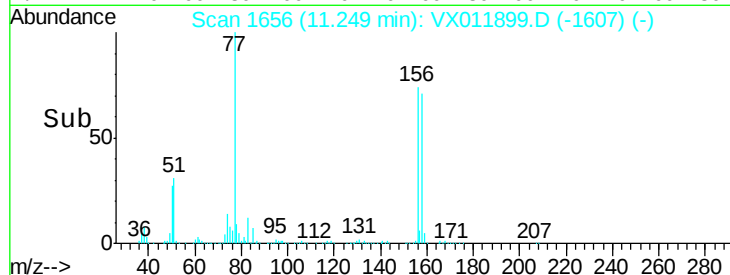
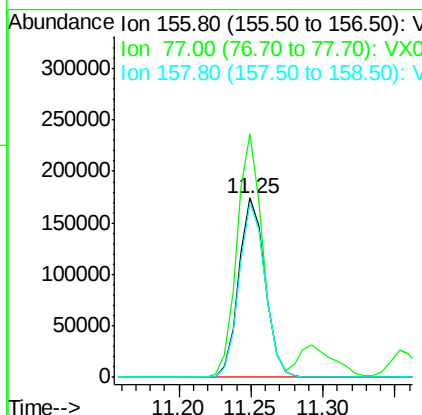
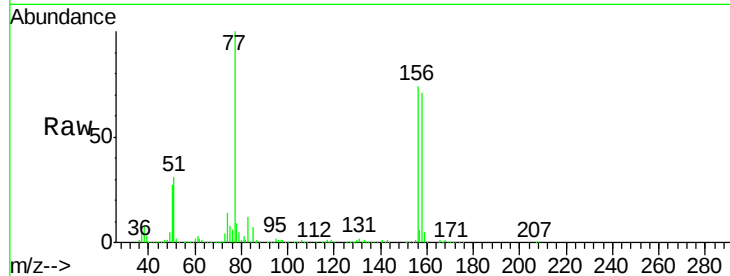
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	220929
Ion Ratio	Lower	Upper	
156	100		
77	132.7	68.1	204.3
158	96.7	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:25 AM



#78

n-propylbenzene

Concen: 46.258 ug/l

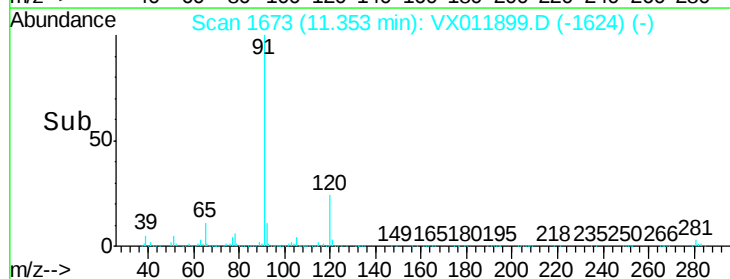
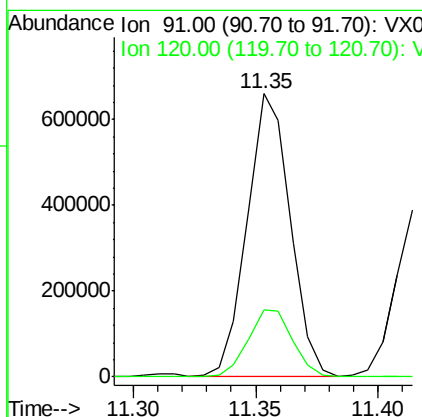
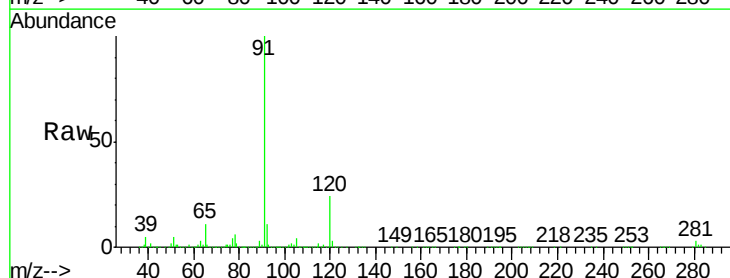
RT: 11.35 min Scan# 1673

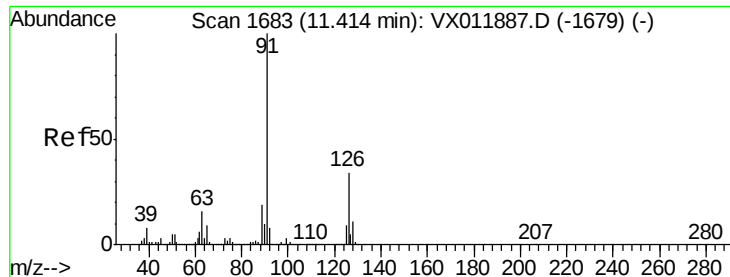
Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tgt Ion:	91	Resp:	805078
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 47.955 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 502371

Ion Ratio Lower Upper

91 100

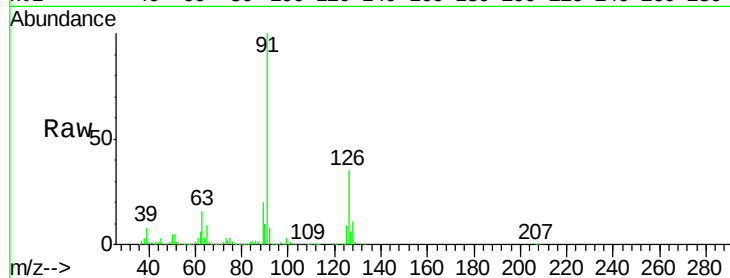
126 36.4 17.9 53.8

Manual Integrations

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MMDadoda

9/3/2019 2:39:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011887.D (-1679) (-)

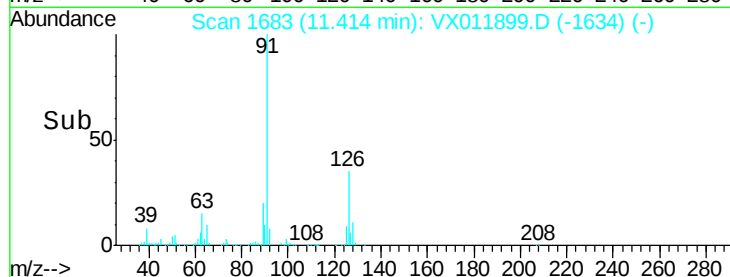
600000

400000

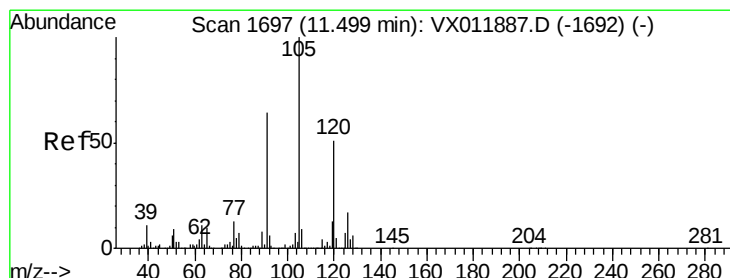
200000

0

11.35 11.40 11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.624 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VX011899.D

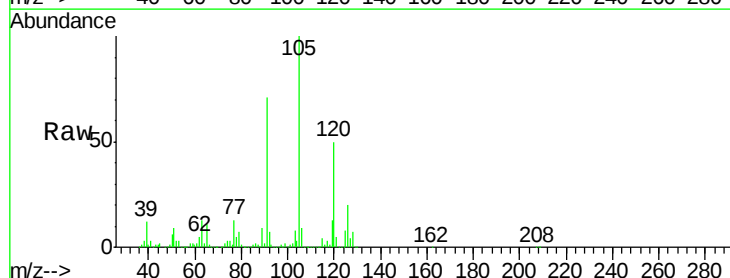
Acq: 30 Aug 2019 04:55

Tgt Ion: 105 Resp: 630902

Ion Ratio Lower Upper

105 100

120 50.8 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX011887.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011887.D (-1692) (-)

500000

400000

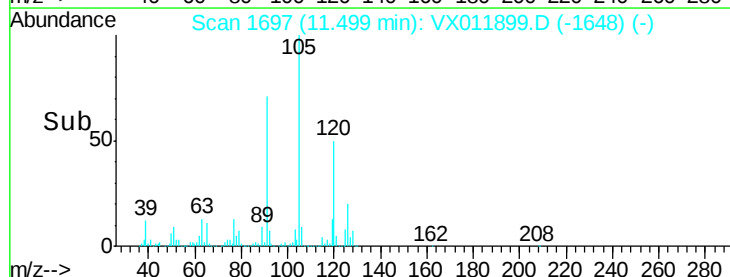
300000

200000

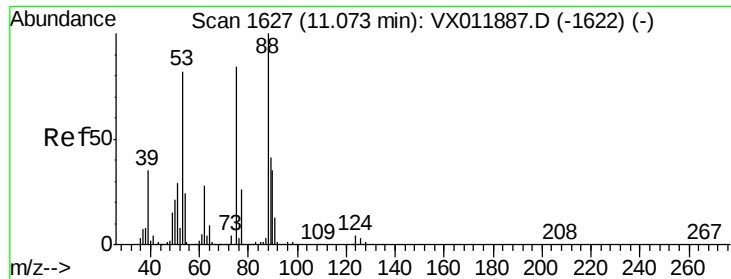
100000

0

11.45 11.50 11.55



Time-->



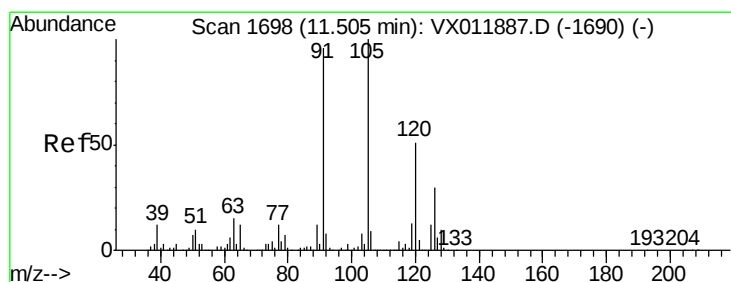
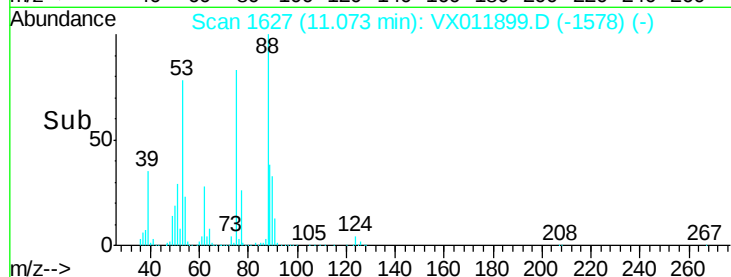
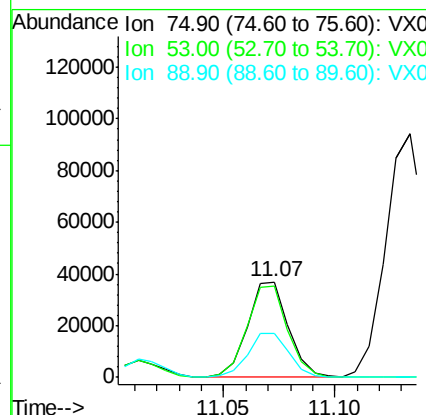
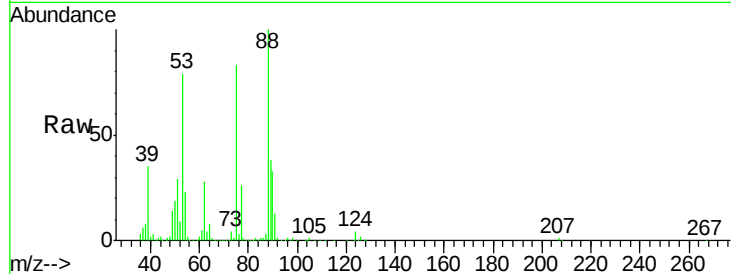
#81
trans-1,4-Dichloro-2-butene
Concen: 44.801 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.2	77.1	115.7
89	47.1	38.2	57.2

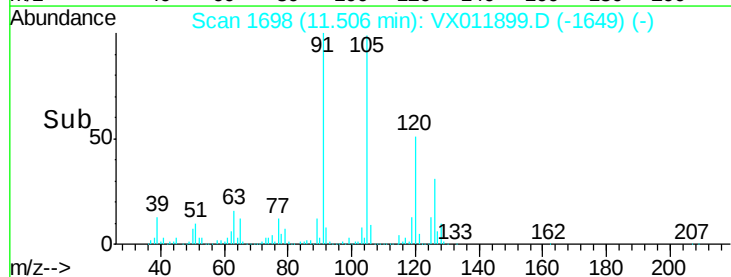
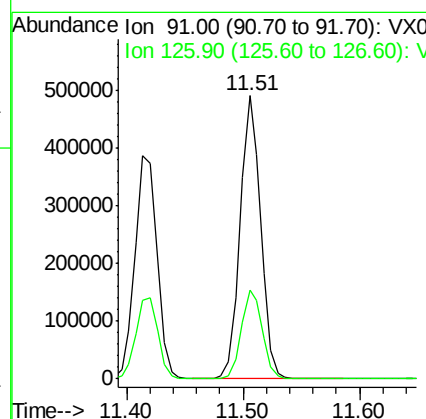
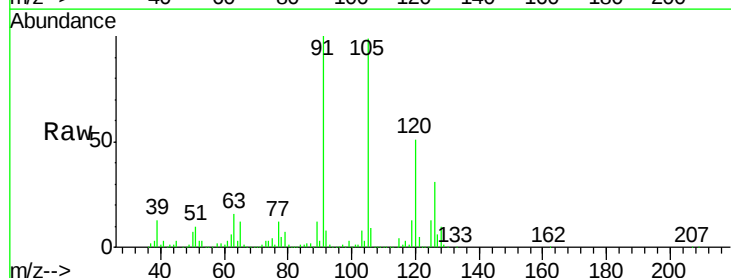
Manual Integrations
APPROVED

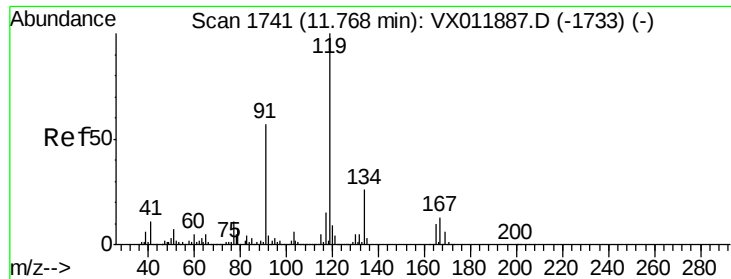
MMDadoda
9/3/2019 2:39:25 AM



#82
4-Chlorotoluene
Concen: 47.902 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.6





#83

tert-Butylbenzene

Concen: 46.236 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

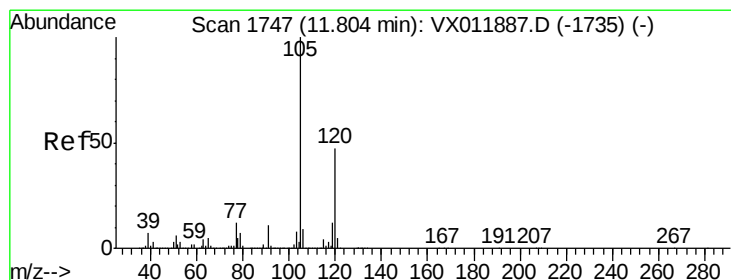
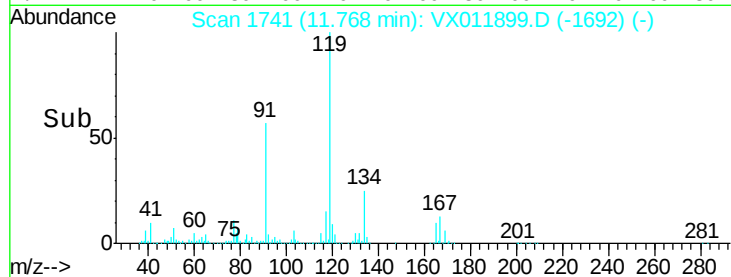
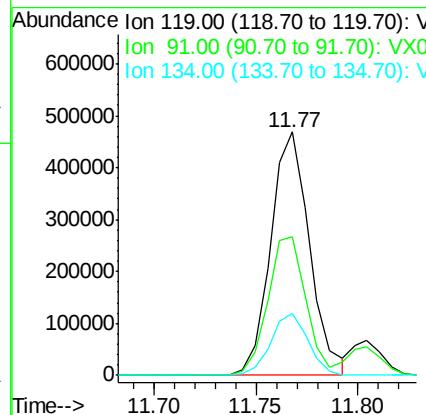
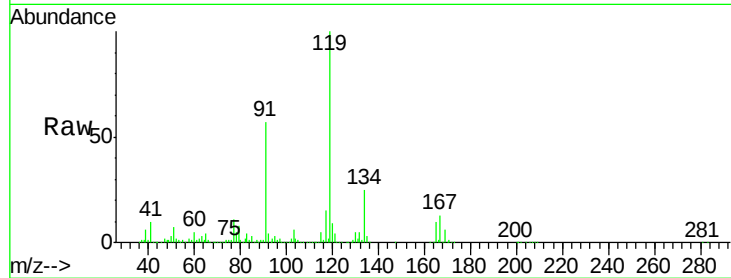
ClientSampleId :

VSTDCCC050EC

Tot Ion:119	Resp:	621519
Ion Ratio	Lower	Upper
119 100		
91 56.0	27.9	83.6
134 24.4	12.3	36.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:25 AM



#84

1,2,4-Trimethylbenzene

Concen: 48.036 ug/l

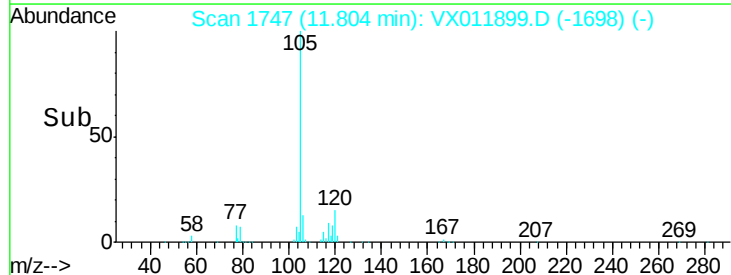
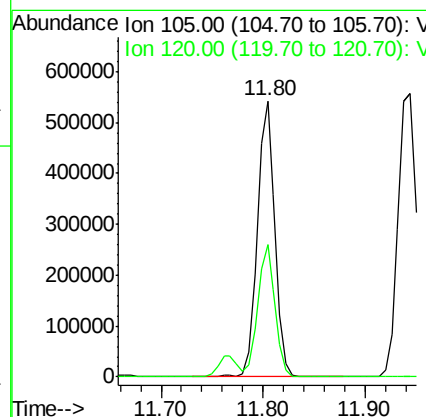
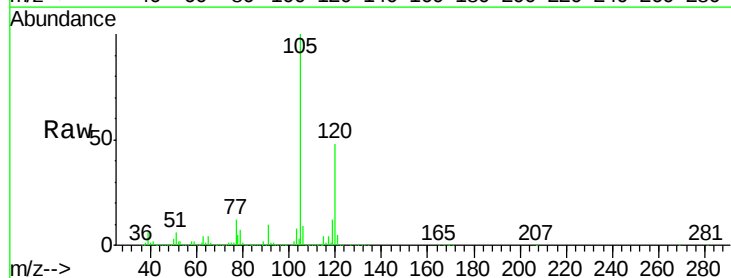
RT: 11.80 min Scan# 1747

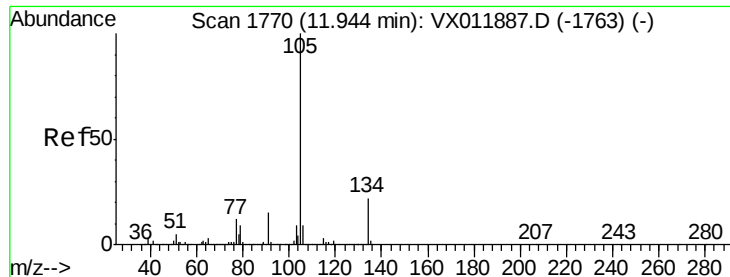
Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tgt Ion:105	Resp:	652167
Ion Ratio	Lower	Upper
105 100		
120 47.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 45.489 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 710237

Ion Ratio Lower Upper

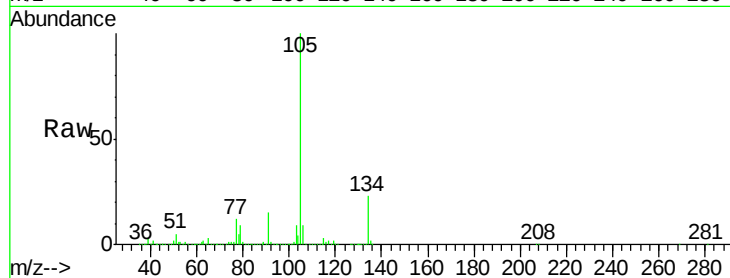
105 100

134 22.2 10.9 32.7

Manual Integrations
APPROVED

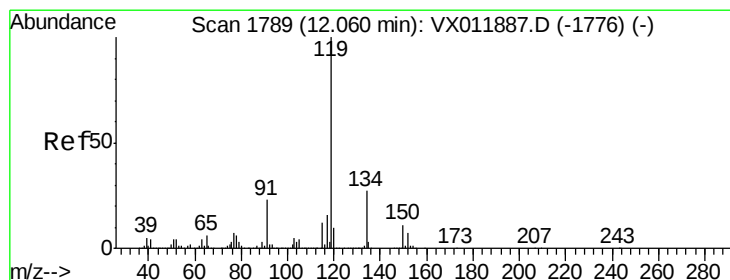
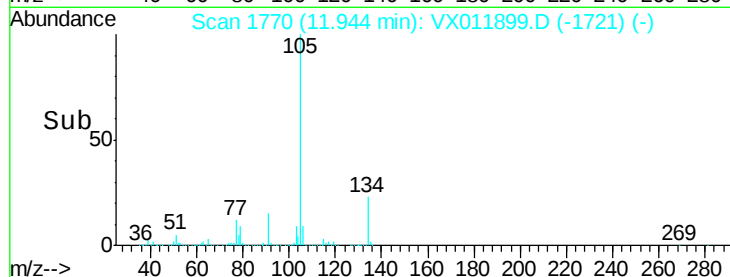
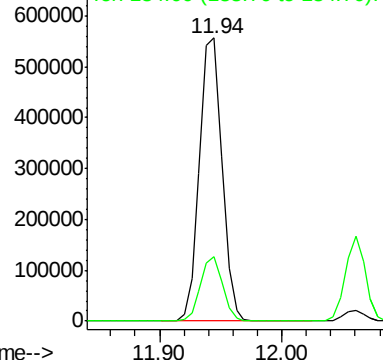
MMDadoda

9/3/2019 2:39:25 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.521 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

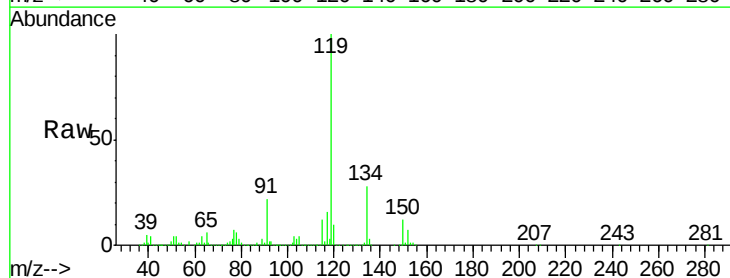
Tgt Ion:119 Resp: 704313

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

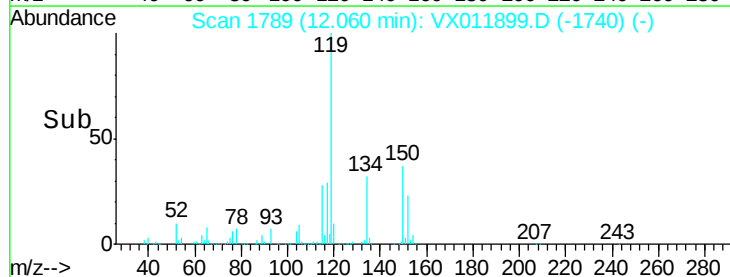
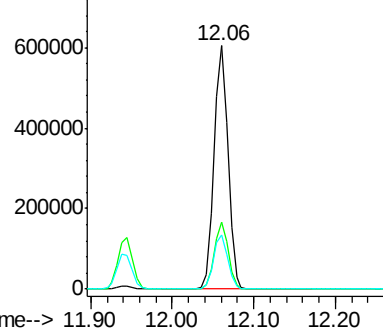
91 22.7 11.6 34.7

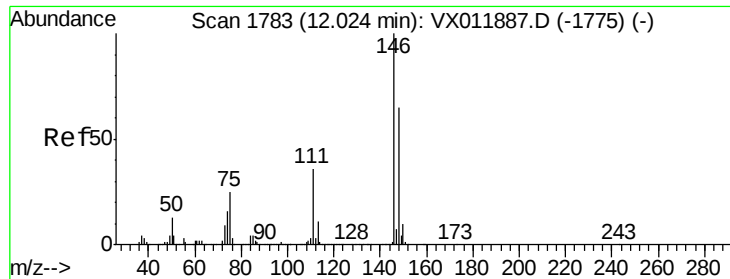


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





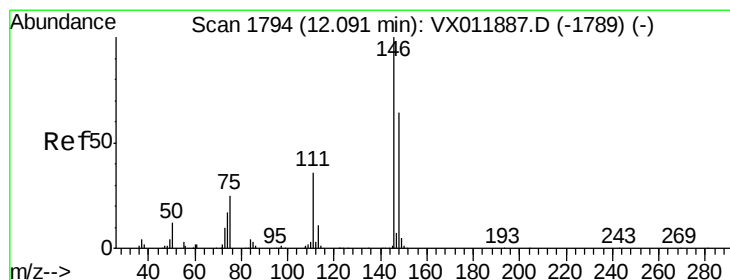
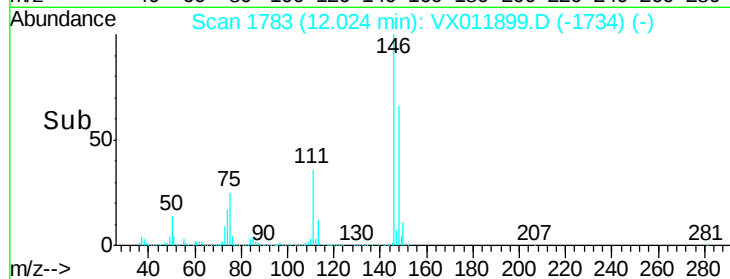
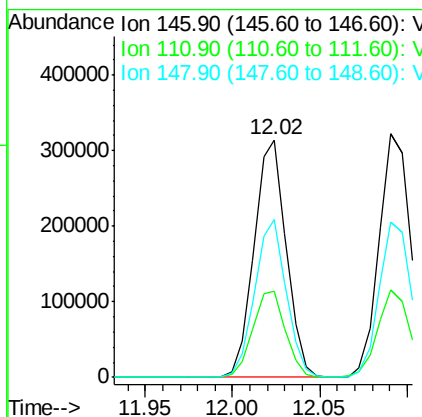
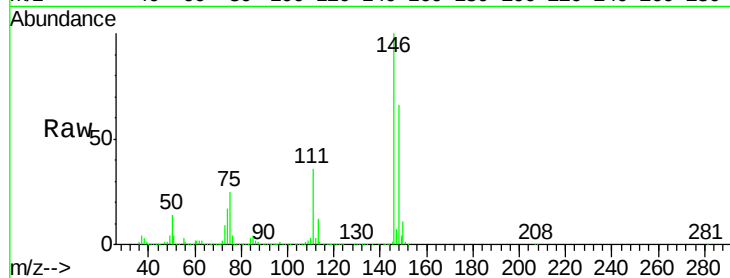
#87
 1,3-Dichlorobenzene
 Concen: 48.468 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	65.3	32.1	96.5

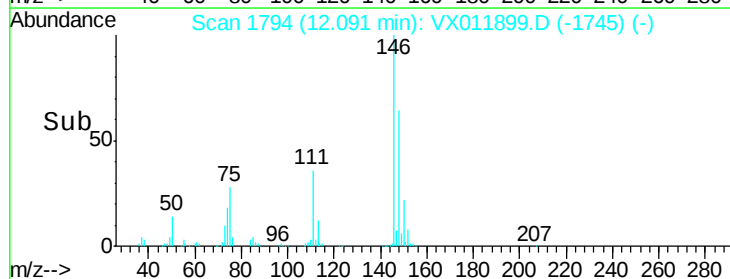
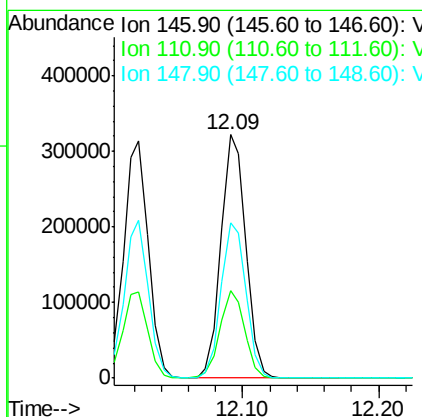
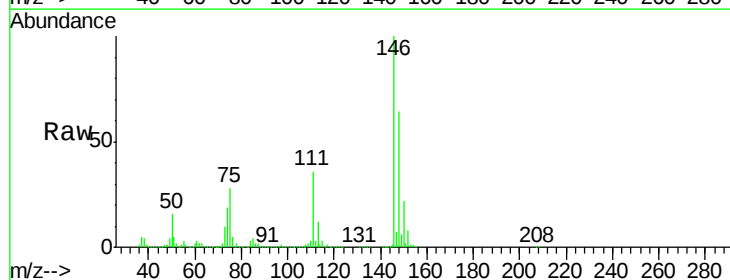
Manual Integrations
 APPROVED

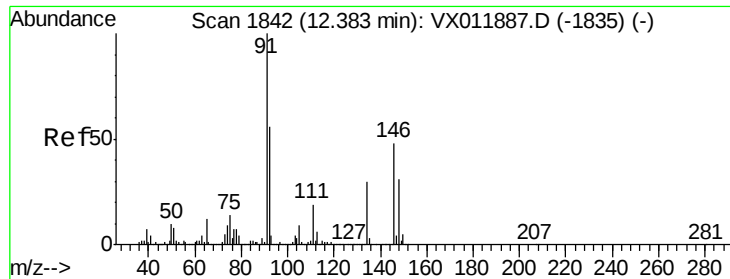
MMDadoda
 9/3/2019 2:39:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.547 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.9	53.7
148	64.5	32.4	97.0





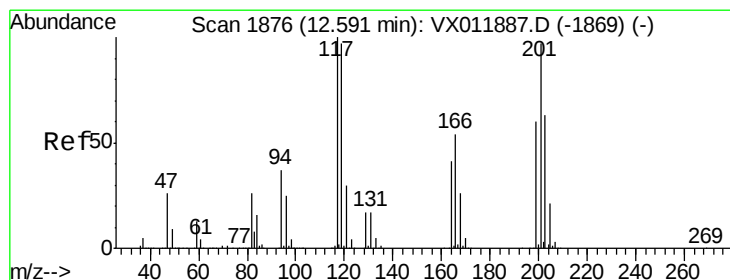
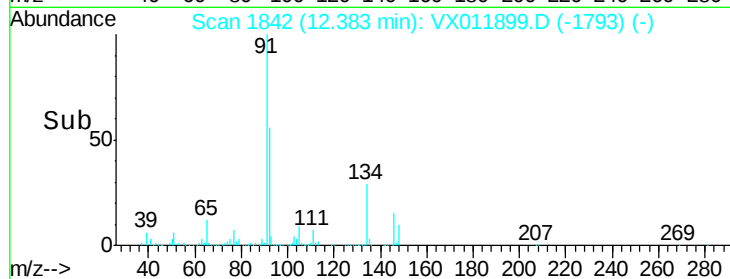
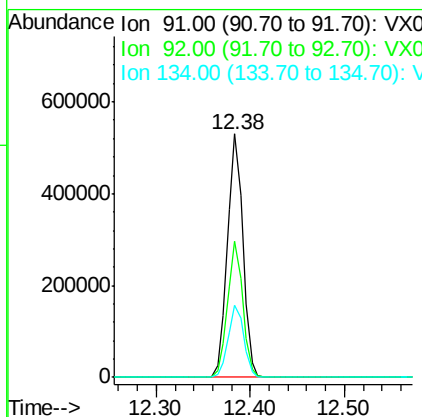
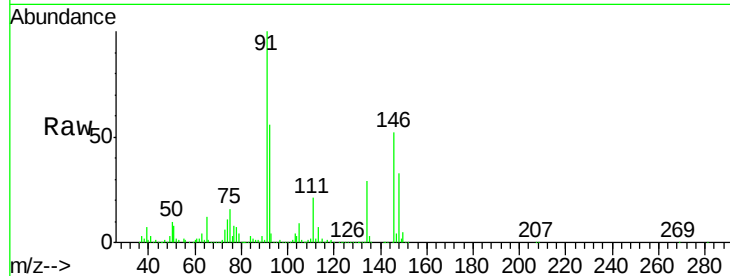
#89
n-Butylbenzene
Concen: 45.210 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	605571		
92	54.8		27.6	82.8
134	29.7		14.8	44.3

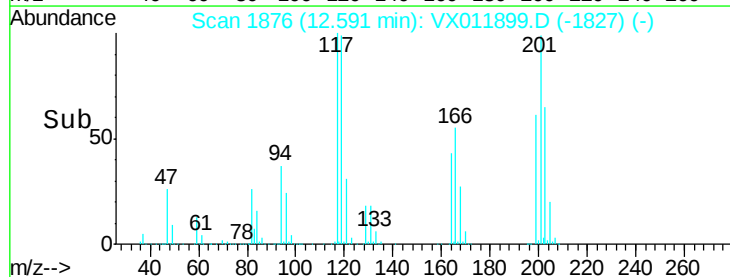
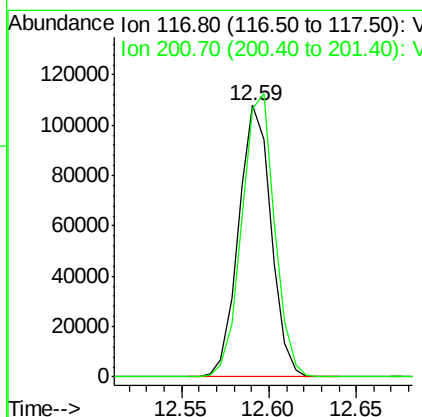
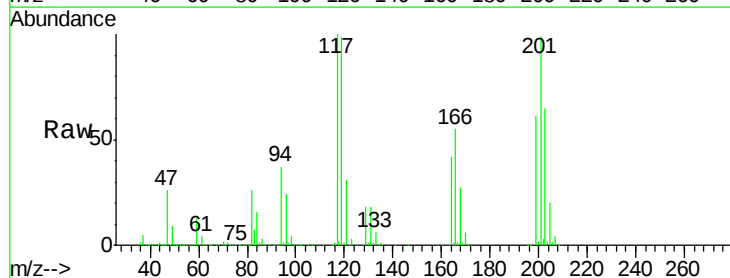
Manual Integrations
APPROVED

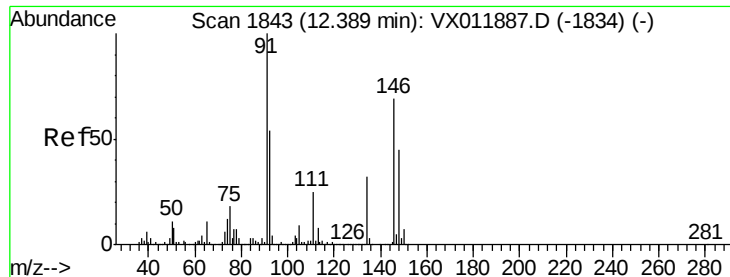
MMDadoda
9/3/2019 2:39:25 AM



#90
Hexachloroethane
Concen: 47.424 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011899.D
Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	138903		
201	104.8		52.8	158.5





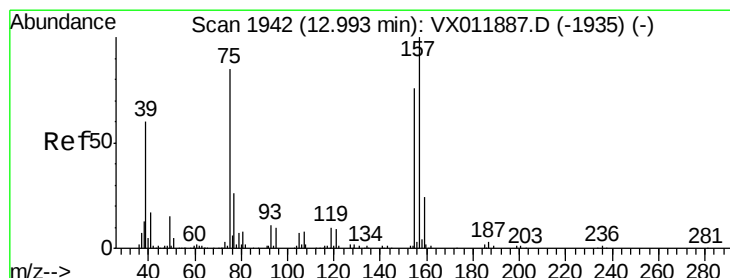
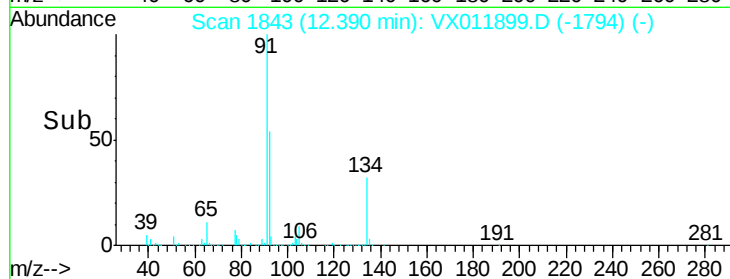
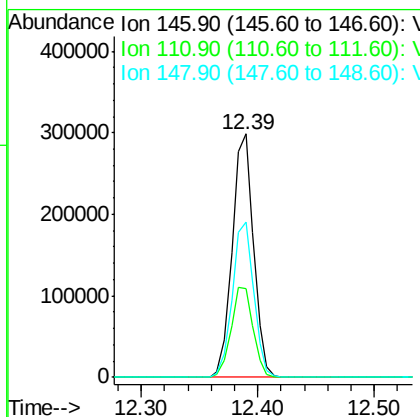
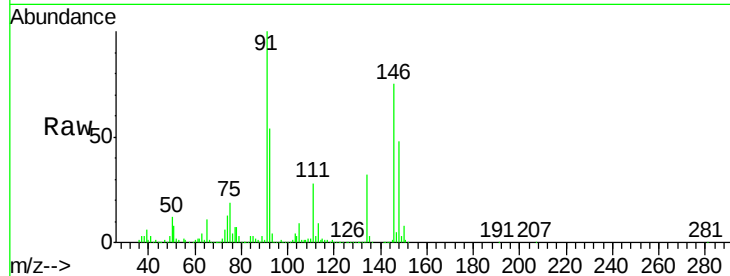
#91
 1,2-Dichlorobenzene
 Concen: 49.524 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	380909		
111	38.2	18.9	56.5	
148	64.1	32.1	96.3	

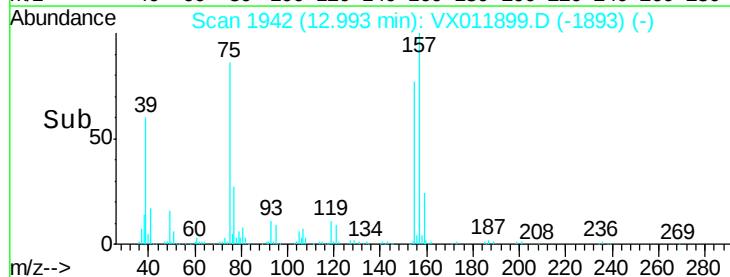
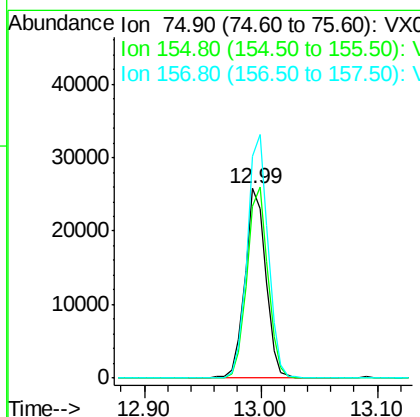
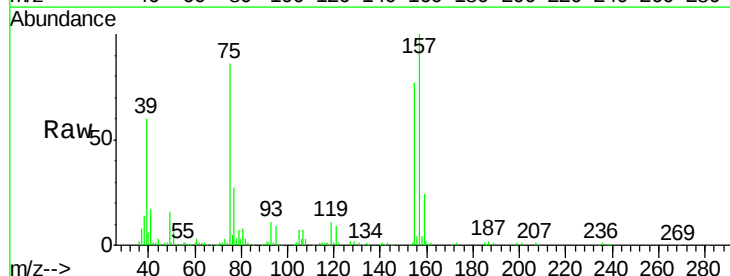
Manual Integrations
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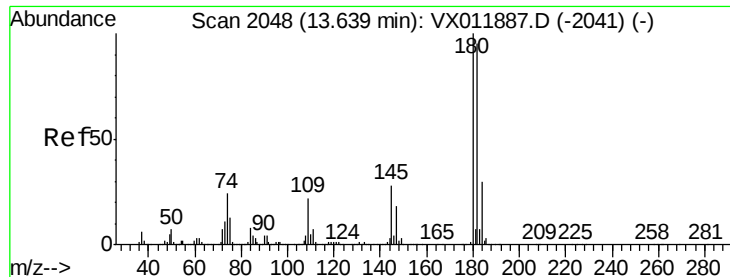
MMDadoda
 9/3/2019 2:39:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.997 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32534		
155	101.0	50.1	150.4	
157	127.5	63.9	191.7	





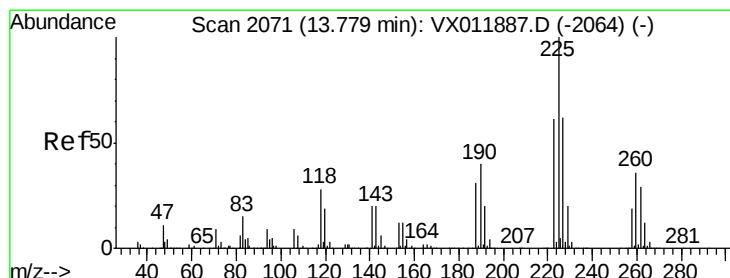
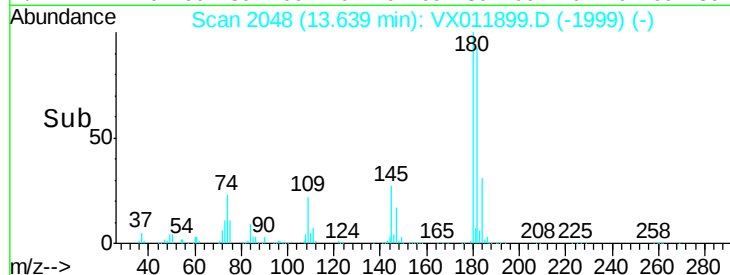
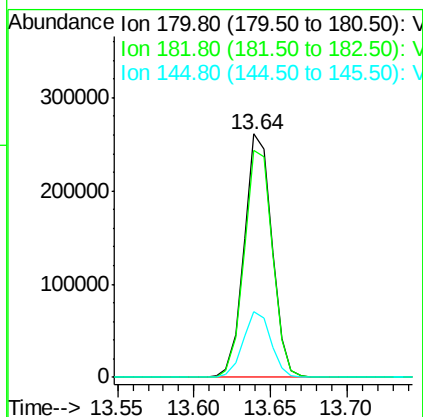
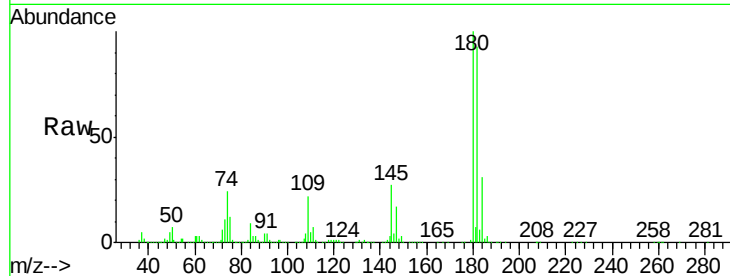
#93
 1,2,4-Trichlorobenzene
 Concen: 50.559 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	327435		
182	95.2	48.1	144.4	
145	27.0	13.8	41.3	

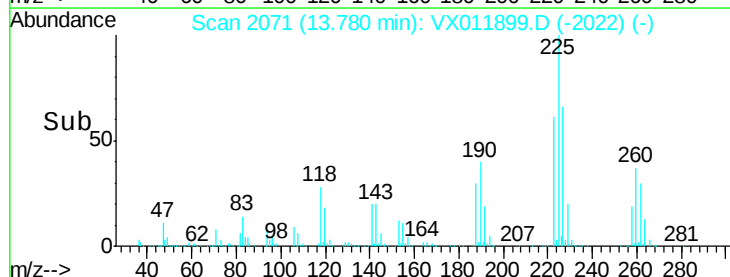
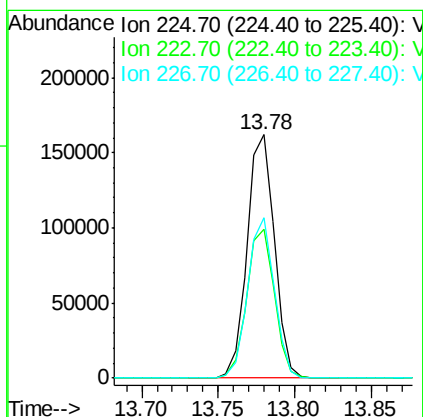
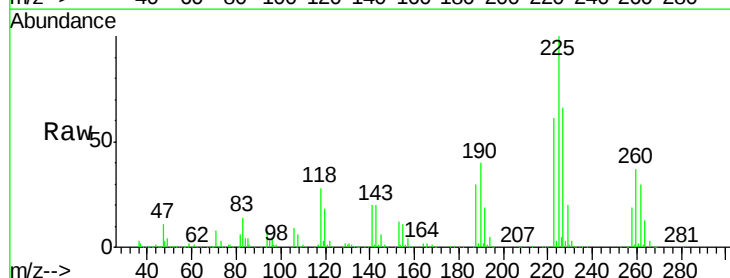
Manual Integrations
 APPROVED

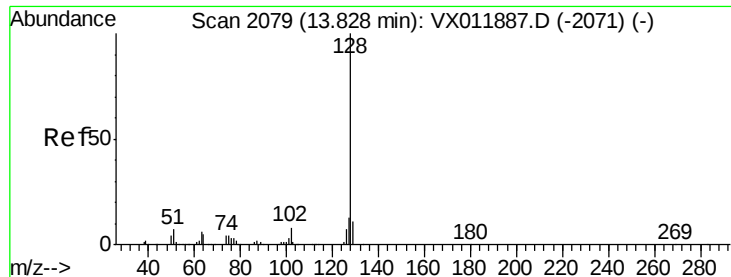
MMDadoda
 9/3/2019 2:39:25 AM



#94
 Hexachlorobutadiene
 Concen: 46.264 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011899.D
 Acq: 30 Aug 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	200096		
223	62.0	30.8	92.3	
227	64.4	31.9	95.7	





#95

Naphthalene

Concen: 51.400 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Instrument :

MSVOA_X

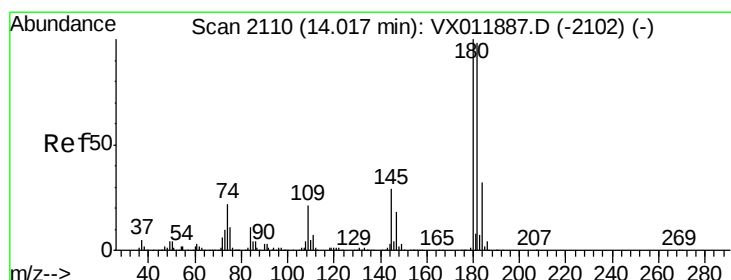
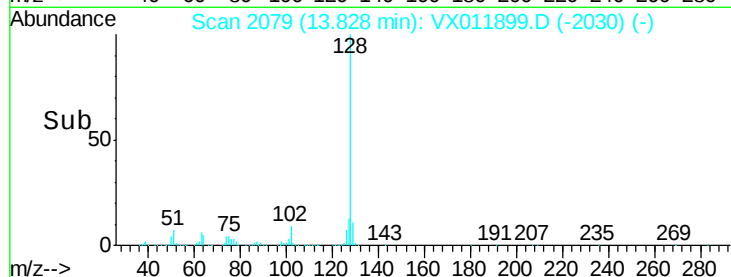
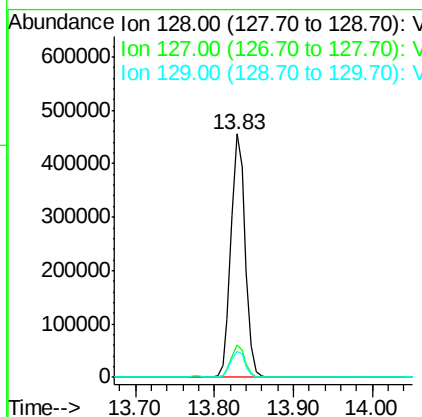
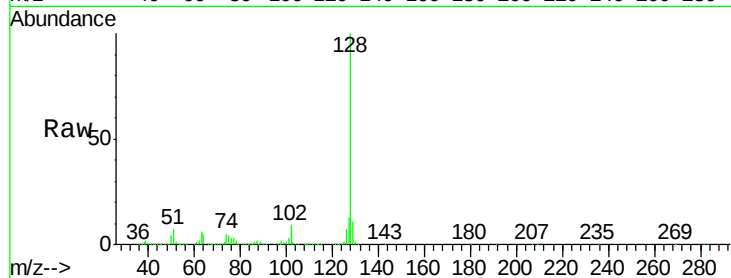
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	571303
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 2:39:25 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.023 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011899.D

Acq: 30 Aug 2019 04:55

Tgt Ion:	180	Resp:	298816
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.3	144.8
145	29.1	14.6	43.8

