

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090119\
 Data File : VX011987.D
 Acq On : 01 Sep 2019 12:36
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 2:04:51 AM

Quant Time: Sep 02 05:35:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	409906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	518255	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	470758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	278177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	156973	39.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.94%	
35) Dibromofluoromethane	5.48	113	156104	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
50) Toluene-d8	8.71	98	571107	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	11.13	95	226487	43.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	127943	51.716	ug/l	97
3) Chloromethane	1.31	50	124617	43.451	ug/l	99
4) Vinyl Chloride	1.39	62	132838	48.506	ug/l	99
5) Bromomethane	1.62	94	89302	47.128	ug/l	98
6) Chloroethane	1.71	64	84859	49.788	ug/l	96
7) Trichlorofluoromethane	1.92	101	257753	54.194	ug/l	99
8) Diethyl Ether	2.17	74	70796	43.313	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	169027	54.528	ug/l	97
10) Methyl Iodide	2.50	142	168197	49.721	ug/l	99
11) Tert butyl alcohol	3.02	59	73498	194.525	ug/l	99
12) 1,1-Dichloroethene	2.36	96	149340	51.873	ug/l	99
13) Acrolein	2.28	56	48749	259.227	ug/l	97
14) Allyl chloride	2.71	41	253820	46.999	ug/l	97
15) Acrylonitrile	3.12	53	185970	207.134	ug/l	99
16) Acetone	2.42	43	230709	273.031	ug/l	99
17) Carbon Disulfide	2.56	76	384059	46.508	ug/l	100
18) Methyl Acetate	2.76	43	88409	37.797	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	413278	44.311	ug/l	99
20) Methylene Chloride	2.84	84	163225	44.756	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	169634	50.021	ug/l	97
22) Diisopropyl ether	3.84	45	497273	45.104	ug/l	98
23) Vinyl Acetate	3.80	43	1559658	220.033	ug/l	98
24) 1,1-Dichloroethane	3.68	63	294483	48.437	ug/l	99
25) 2-Butanone	4.65	43	276480	224.653	ug/l	99
26) 2,2-Dichloropropane	4.56	77	295857	58.020	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	196192	49.114	ug/l	99
28) Bromochloromethane	5.00	49	108695	39.843	ug/l	94
29) Tetrahydrofuran	5.11	42	152453	198.466	ug/l	98
30) Chloroform	5.19	83	319808	49.196	ug/l	99
31) Cyclohexane	5.56	56	239328	48.804	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	308066	53.350	ug/l	100
36) 1,1-Dichloropropene	5.78	75	234381	57.085	ug/l	100
37) Ethyl Acetate	4.81	43	108580	44.676	ug/l	100
38) Carbon Tetrachloride	5.77	117	289616	60.820	ug/l	99

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Quant Time: Sep 02 05:35:53 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	277026	56.646	ug/l	99
40) Benzene	6.12	78	658197	53.705	ug/l	99
41) Methacrylonitrile	5.02	41	65671	45.891	ug/l	98
42) 1,2-Dichloroethane	6.17	62	215608	51.732	ug/l	100
43) Isopropyl Acetate	6.43	43	224485	45.557	ug/l	99
44) Trichloroethene	7.20	130	217186	57.276	ug/l	98
45) 1,2-Dichloropropane	7.50	63	164838	51.419	ug/l	99
46) Dibromomethane	7.65	93	94271	49.549	ug/l	97
47) Bromodichloromethane	7.89	83	248468	52.666	ug/l	99
48) Methyl methacrylate	7.76	41	110243	45.982	ug/l	99
49) 1,4-Dioxane	7.73	88	31447	953.827	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	560323	223.841	ug/l	99
52) Toluene	8.78	92	446320	55.047	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	249083	51.542	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	282238	52.027	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	138787	49.828	ug/l	99
56) Ethyl methacrylate	9.17	69	183489	47.466	ug/l	99
57) 1,3-Dichloropropane	9.37	76	228575	49.443	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	410280	222.834	ug/l	97
59) 2-Hexanone	9.48	43	424206	238.569	ug/l	99
60) Dibromochloromethane	9.57	129	196343	52.485	ug/l	100
61) 1,2-Dibromoethane	9.67	107	137837	49.914	ug/l	99
64) Tetrachloroethene	9.33	164	219483	57.961	ug/l	98
65) Chlorobenzene	10.14	112	513946	56.338	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	207840	56.339	ug/l	100
67) Ethyl Benzene	10.25	91	894732	57.659	ug/l	100
68) m/p-Xylenes	10.35	106	697166	116.351	ug/l	98
69) o-Xylene	10.70	106	332086	56.875	ug/l	98
70) Styrene	10.71	104	582597	56.609	ug/l	99
71) Bromoform	10.85	173	141815	54.366	ug/l #	100
73) Isopropylbenzene	11.01	105	947712	59.293	ug/l	100
74) N-amyl acetate	10.89	43	220384	46.462	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	160554	49.082	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	119775m	43.770	ug/l	
77) Bromobenzene	11.25	156	259834	56.052	ug/l	95
78) n-propylbenzene	11.35	91	1071944	59.143	ug/l	99
79) 2-Chlorotoluene	11.42	91	612641	56.156	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	798930	57.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53257	48.892	ug/l	100
82) 4-Chlorotoluene	11.51	91	735566	55.889	ug/l	99
83) tert-Butylbenzene	11.76	119	846568	60.474	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	803762	56.848	ug/l	100
85) sec-Butylbenzene	11.94	105	985139	60.587	ug/l	99
86) p-Isopropyltoluene	12.06	119	951839	60.370	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	491785	57.083	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	483128	55.472	ug/l	99
89) n-Butylbenzene	12.38	91	843075	60.439	ug/l	99
90) Hexachloroethane	12.59	117	179584	58.875	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	439499	54.870	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30885	47.399	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	389469	57.746	ug/l	99
94) Hexachlorobutadiene	13.77	225	289576	64.291	ug/l	99
95) Naphthalene	13.83	128	572320	49.444	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	333365	54.660	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 409906

Ion Ratio Lower Upper

168 100

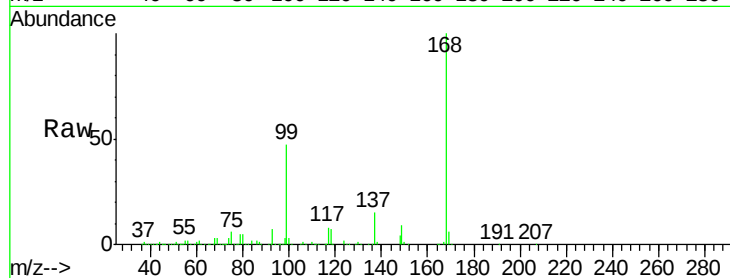
99 46.4 38.4 57.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

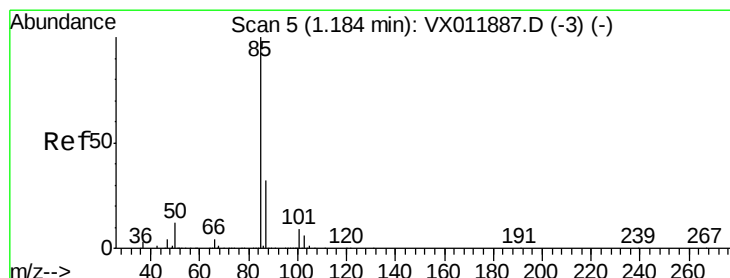
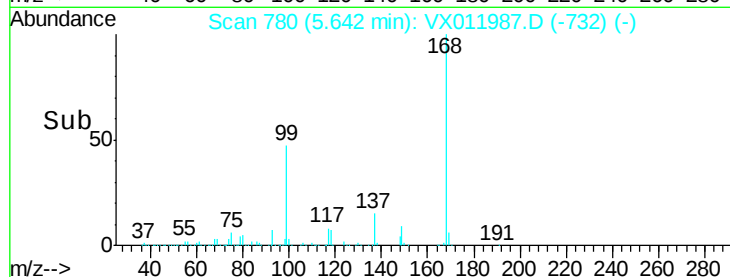
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.716 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011987.D

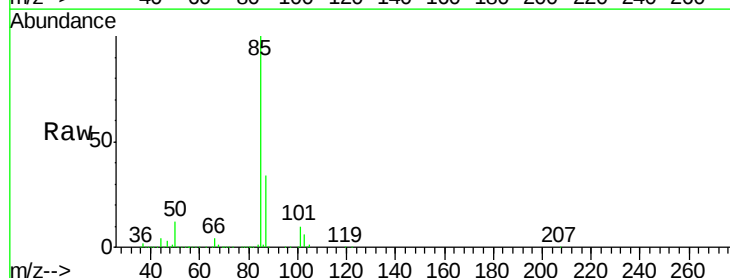
Acq: 01 Sep 2019 12:36

Tgt Ion: 85 Resp: 127943

Ion Ratio Lower Upper

85 100

87 33.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

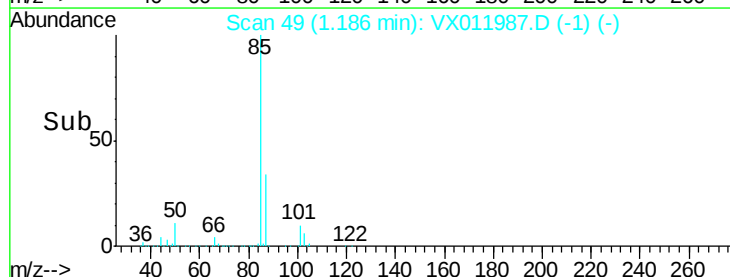
1.19

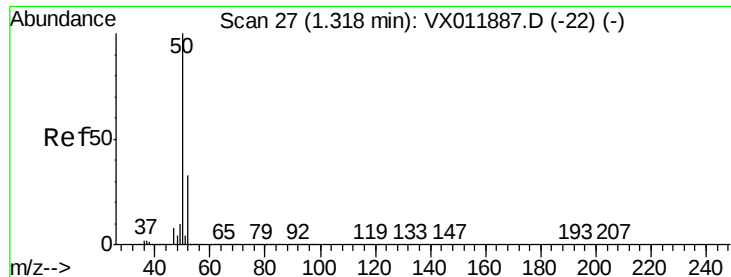
100000

50000

0

Time-->





#3

Chloromethane

Concen: 43.451 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 124617

Ion Ratio Lower Upper

50 100

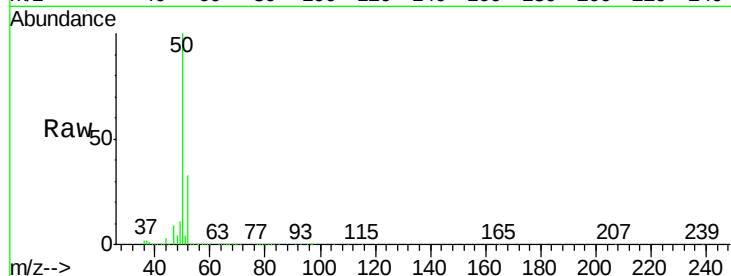
52 33.1 26.0 39.0

Manual Integrations

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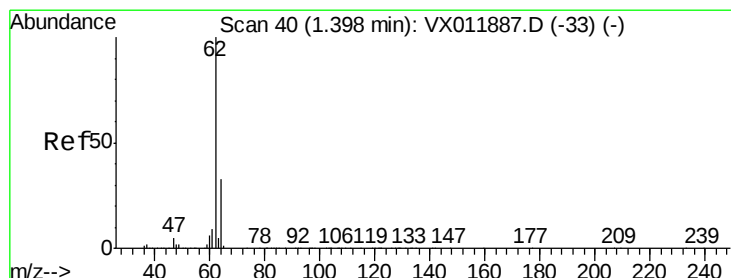
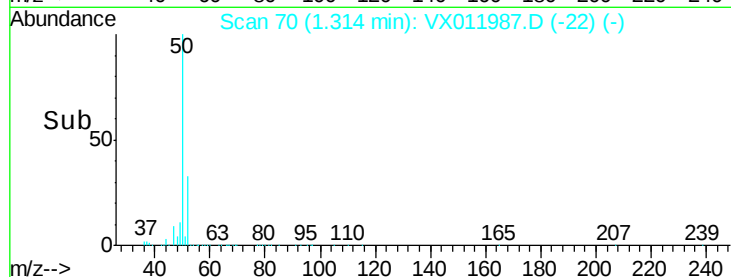
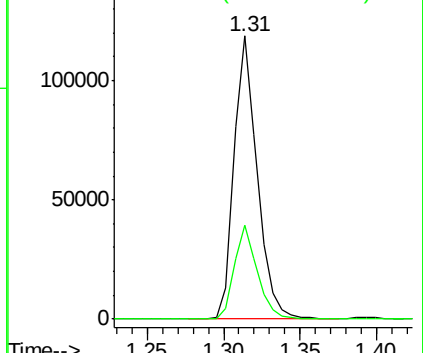
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.506 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011987.D

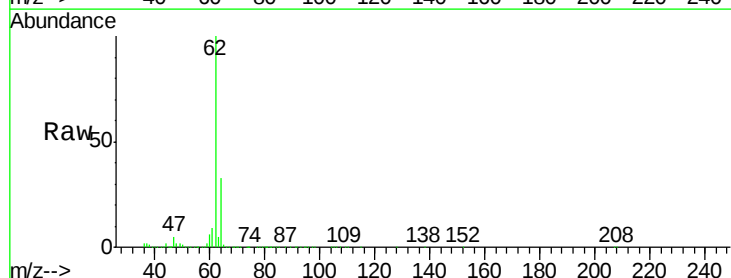
Acq: 01 Sep 2019 12:36

Tgt Ion: 62 Resp: 132838

Ion Ratio Lower Upper

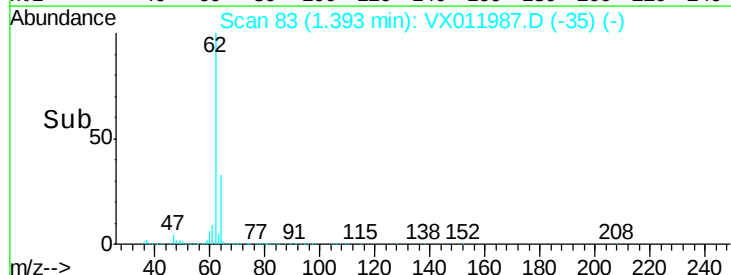
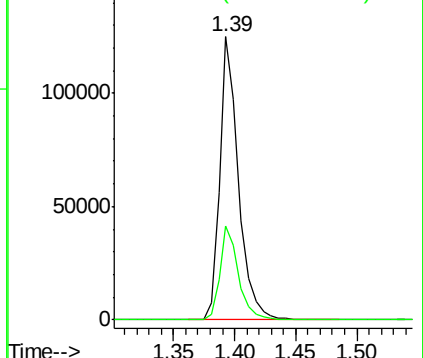
62 100

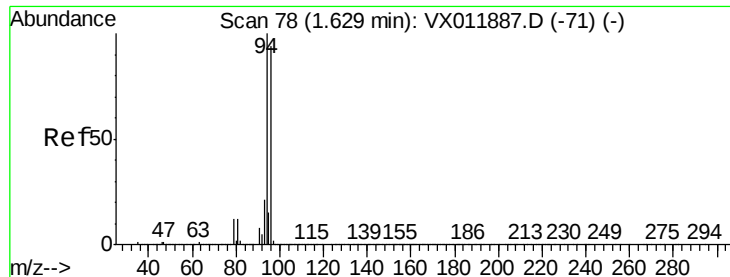
64 32.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 47.128 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 89302

Ion Ratio Lower Upper

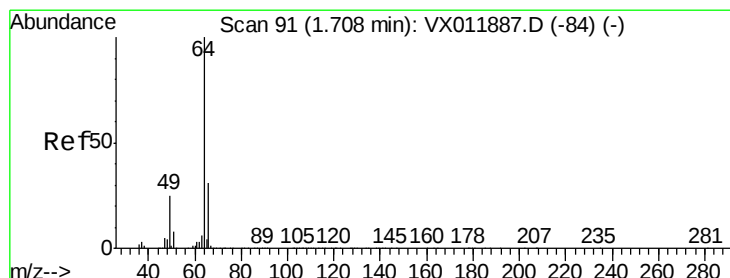
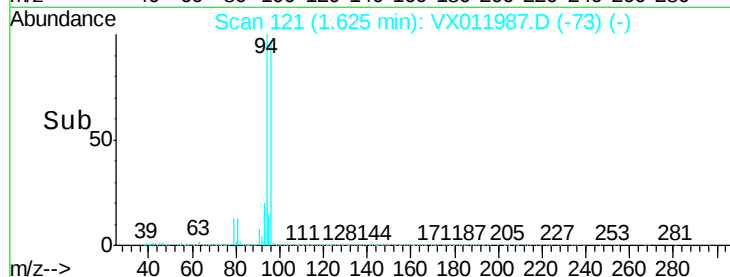
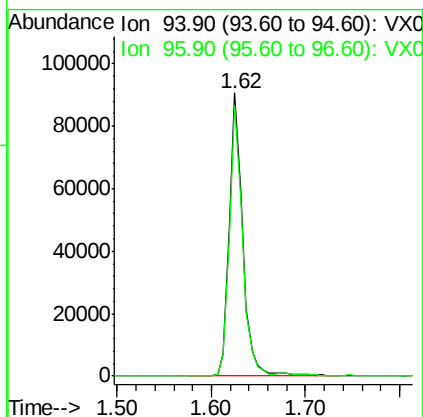
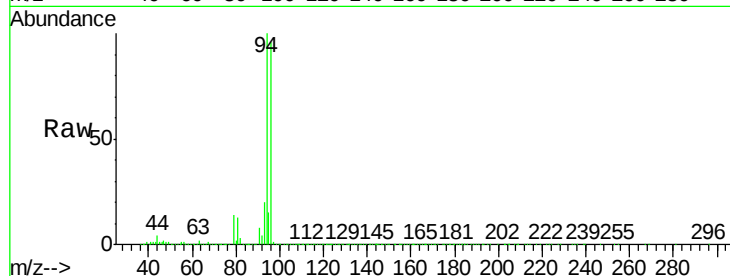
94 100

96 95.6 75.0 112.6

Manual Integrations
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#6

Chloroethane

Concen: 49.788 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX011887.D

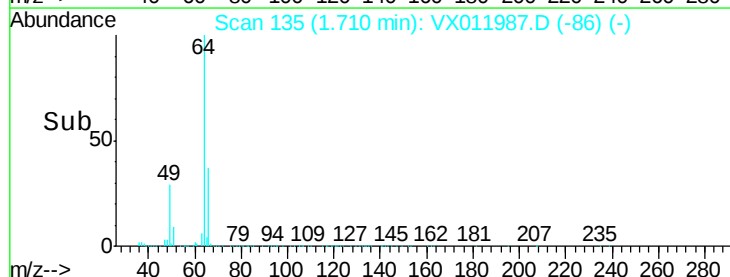
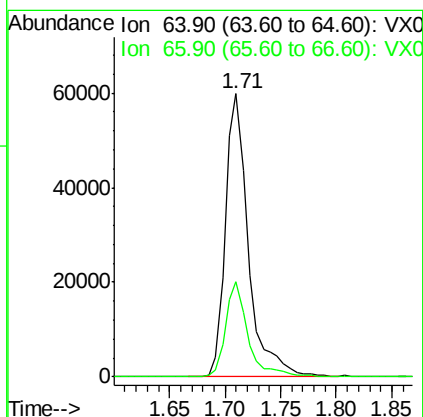
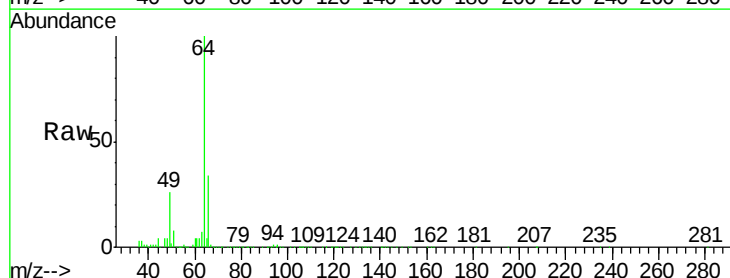
Acq: 01 Sep 2019 12:36

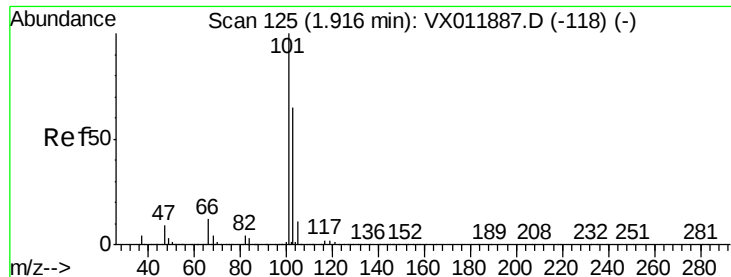
Tgt Ion: 64 Resp: 84859

Ion Ratio Lower Upper

64 100

66 33.6 25.0 37.4





#7

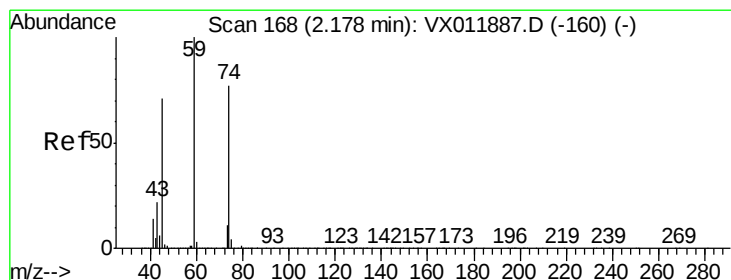
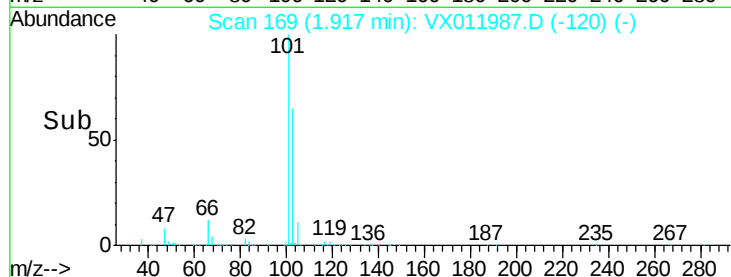
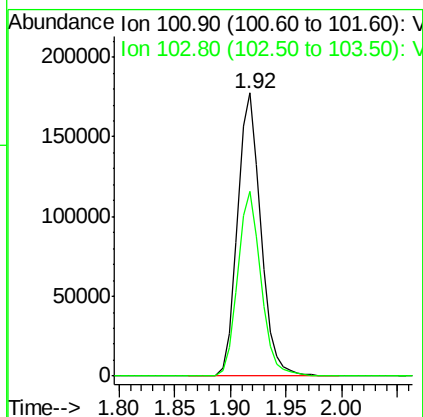
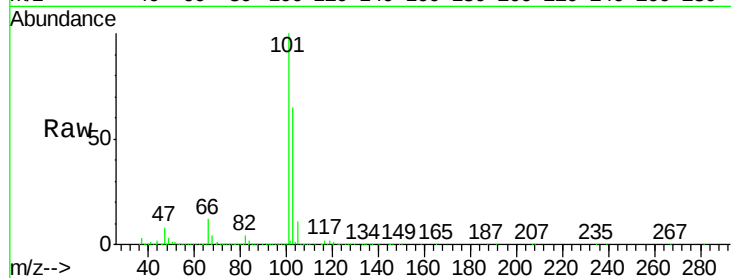
Trichlorofluoromethane
Concen: 54.194 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	257753		
103	65.3	51.6	77.4	

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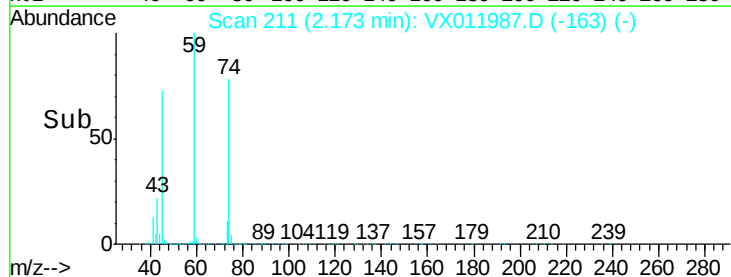
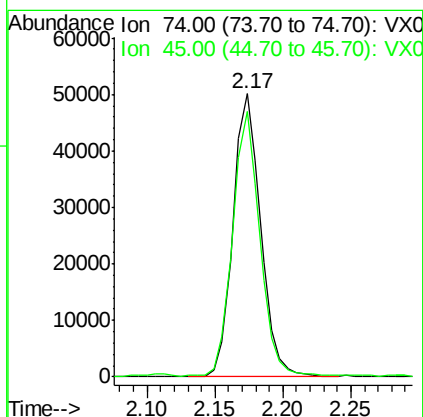
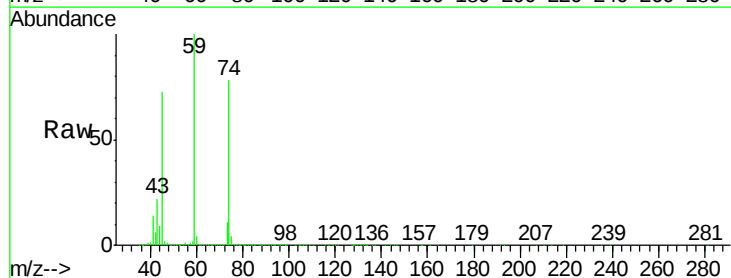
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9/5/2019 2:04:51 AM

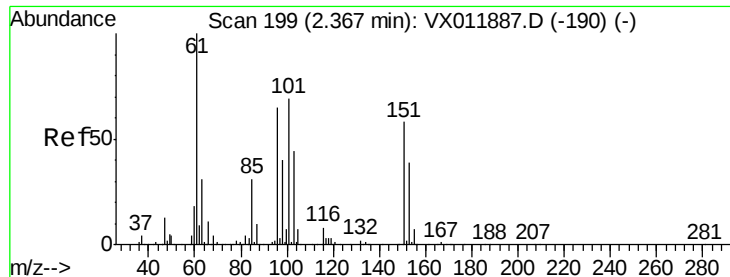


#8

Diethyl Ether
Concen: 43.313 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	70796		
45	92.6	46.7	140.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.528 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

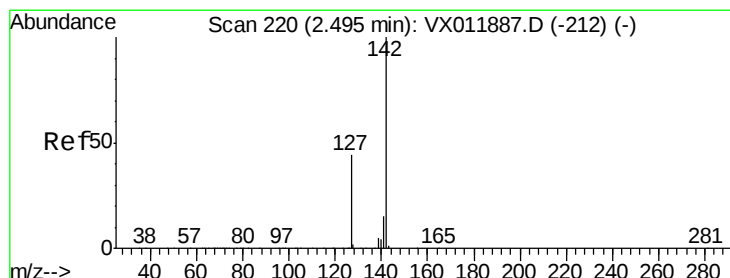
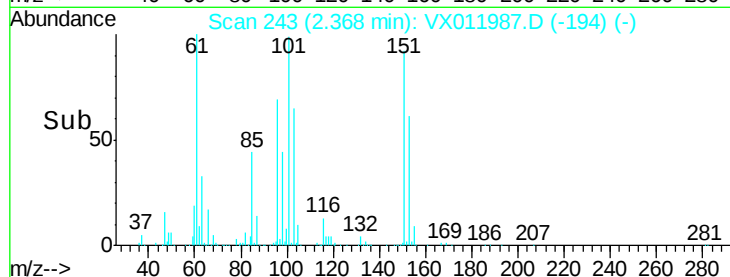
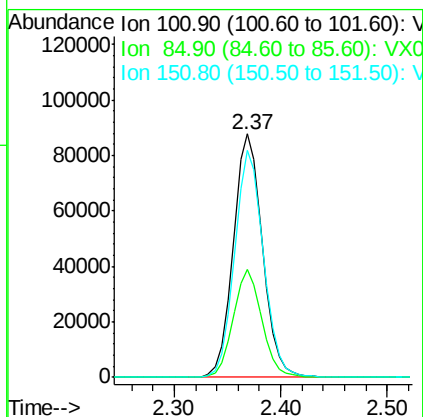
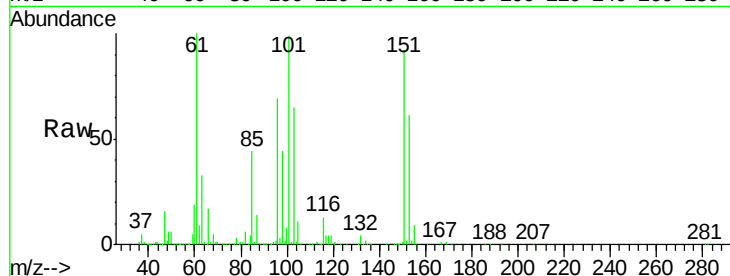
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	169027
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.9	52.3
151	92.2	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 49.721 ug/l

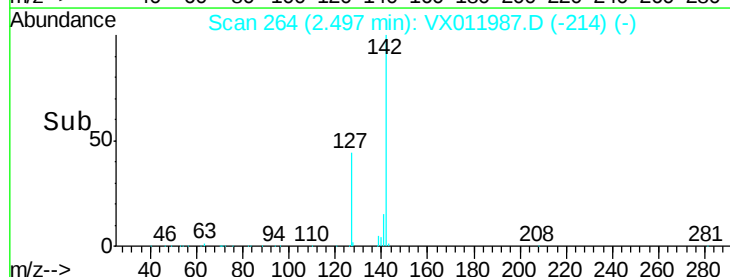
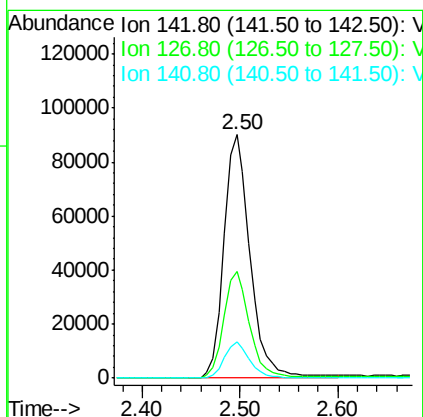
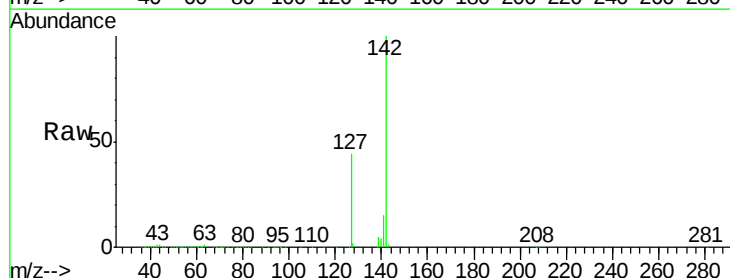
RT: 2.50 min Scan# 264

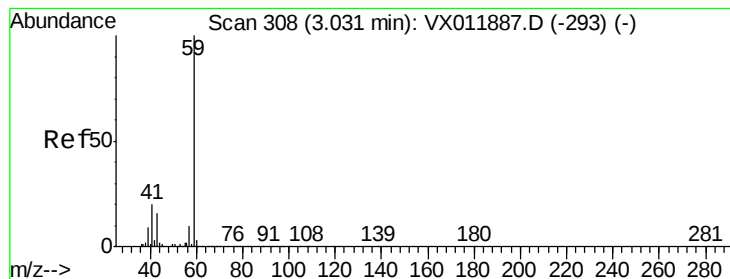
Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Tgt Ion:	142	Resp:	168197
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.7	53.5
141	14.5	11.8	17.6





#11

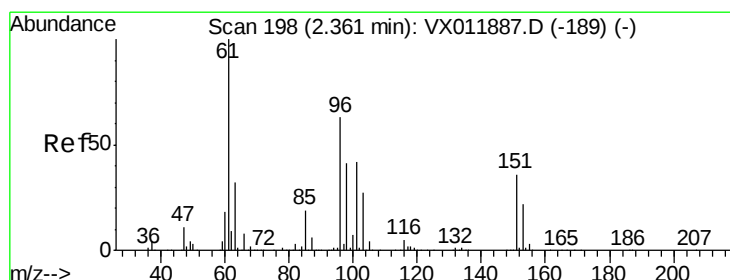
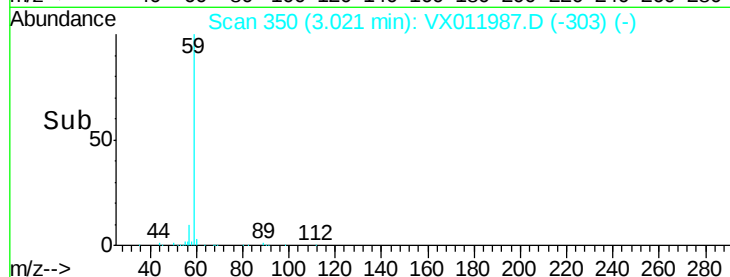
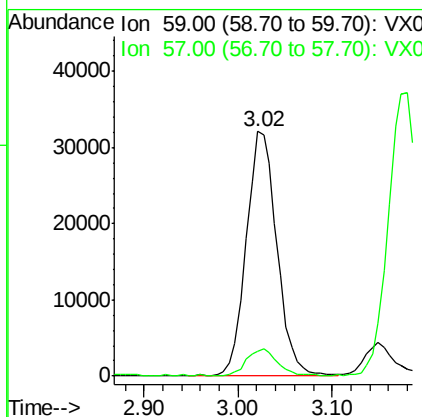
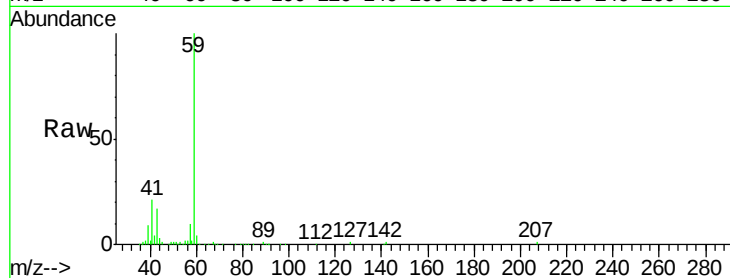
Tert butyl alcohol
Concen: 194.525 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	73498
Ion Ratio	100	Lower	Upper
57	10.4	8.6	12.8

Manual Integrations
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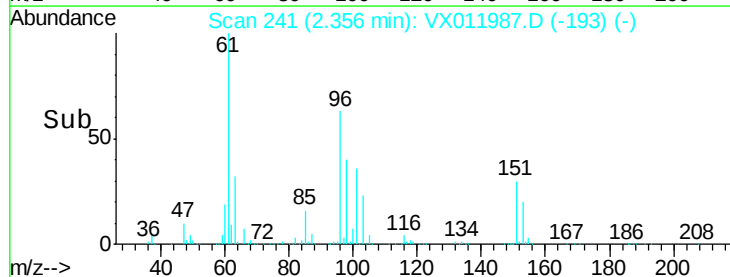
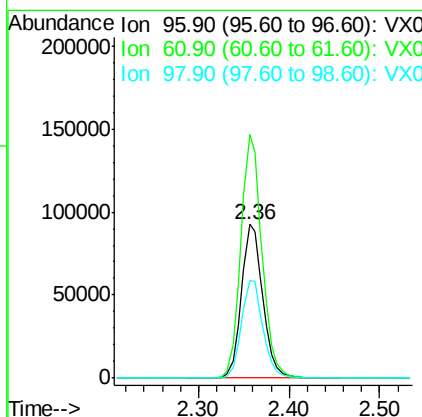
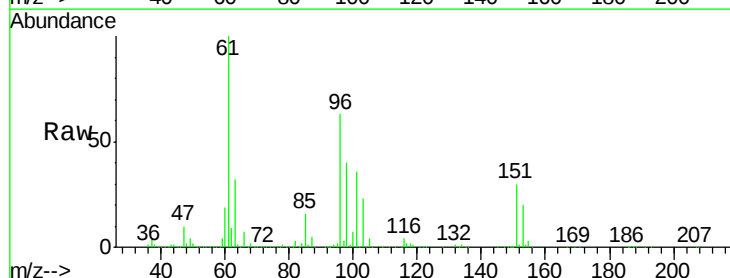
MMDadoda
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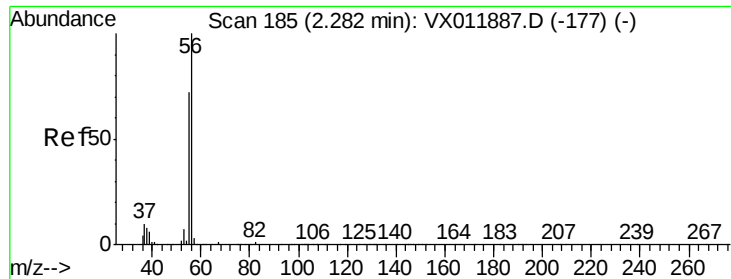


#12

1,1-Dichloroethene
Concen: 51.873 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	96	Resp	149340
Ion Ratio	100	Lower	Upper
61	158.6	126.6	190.0
98	63.3	51.6	77.4





#13

Acrolein

Concen: 259.227 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48749

Ion Ratio Lower Upper

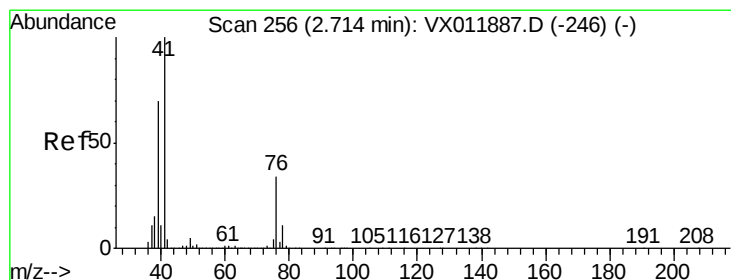
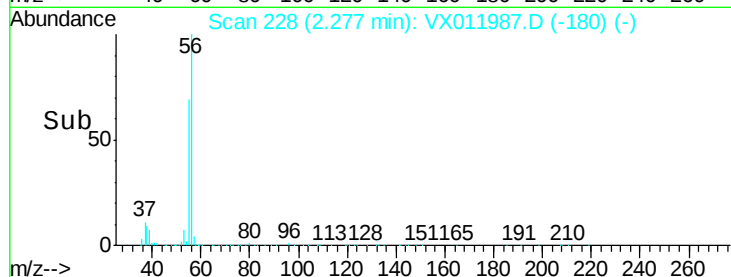
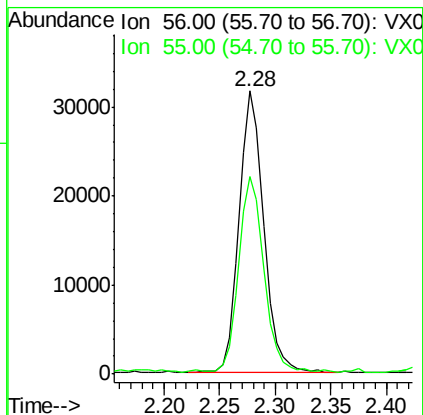
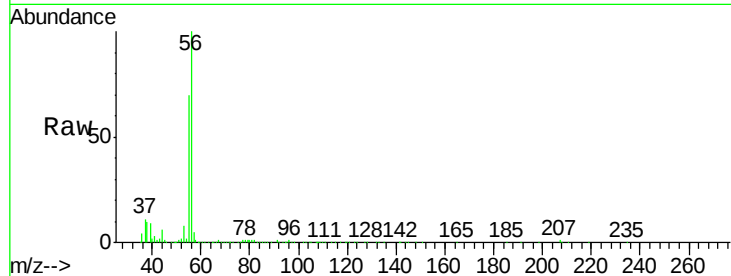
56 100

55 71.0 58.6 88.0

Manual Integrations
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#14

Allyl chloride

Concen: 46.999 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

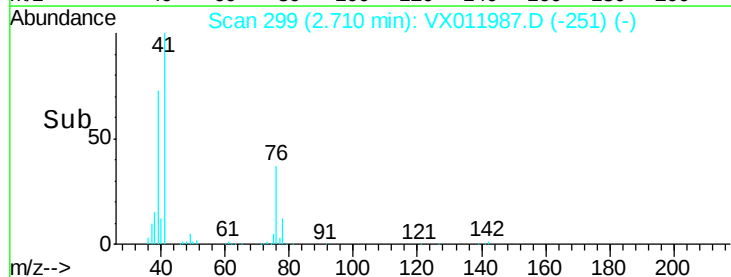
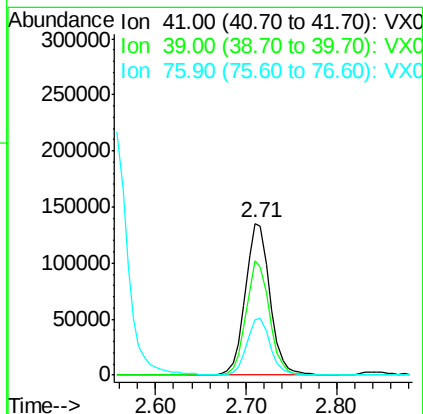
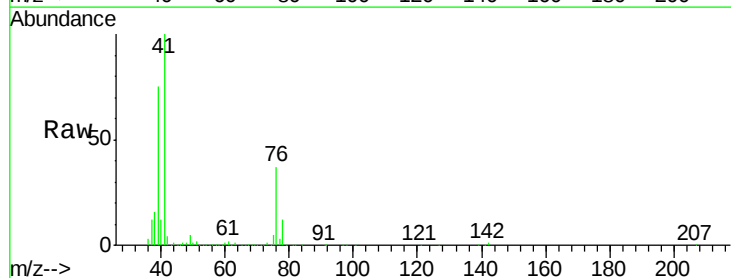
Tgt Ion: 41 Resp: 253820

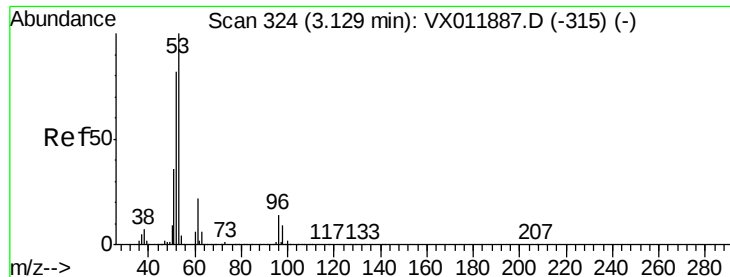
Ion Ratio Lower Upper

41 100

39 71.5 55.0 82.6

76 35.5 27.0 40.4





#15

Acrylonitrile

Concen: 207.134 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

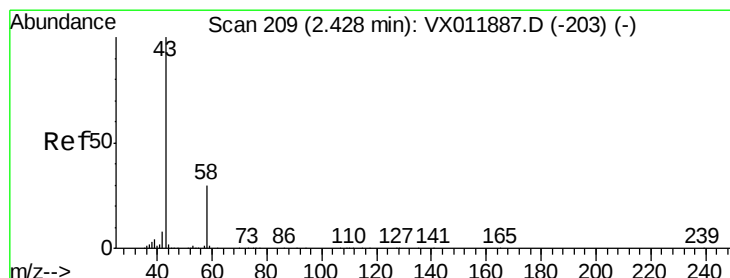
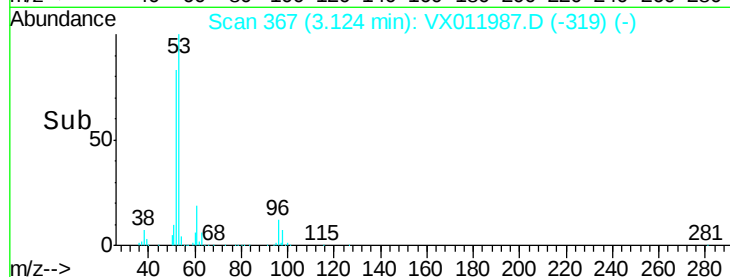
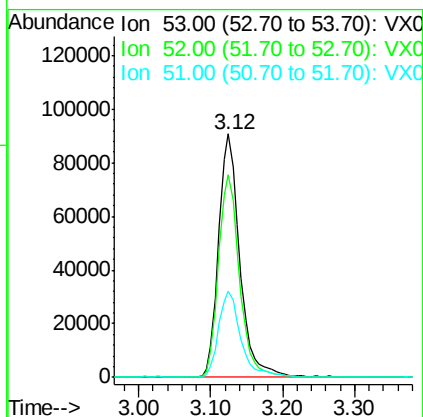
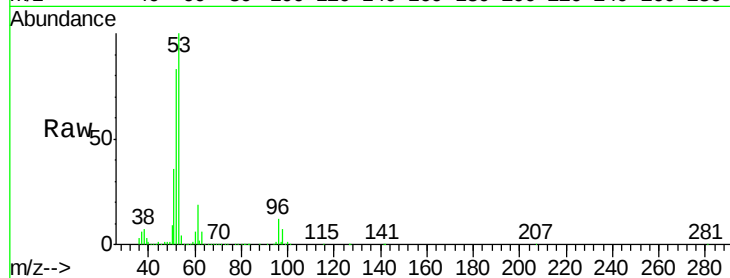
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	185970
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.3	97.9
51	36.9	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 273.031 ug/l

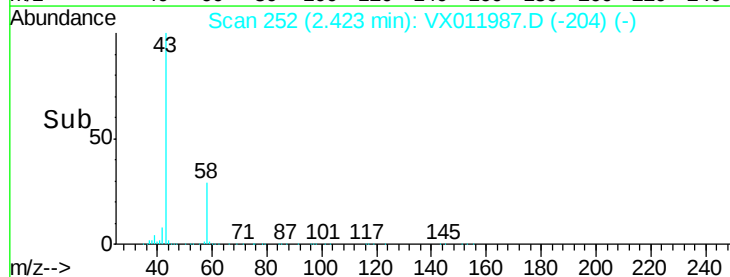
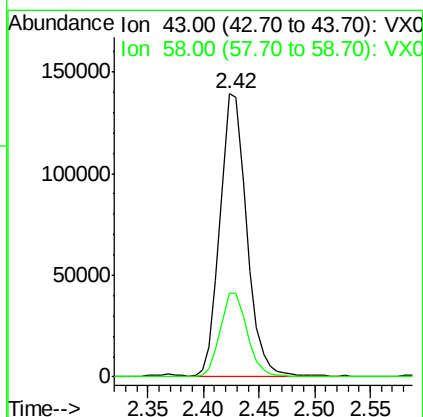
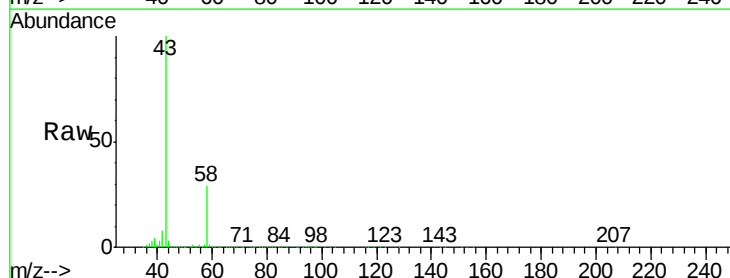
RT: 2.42 min Scan# 252

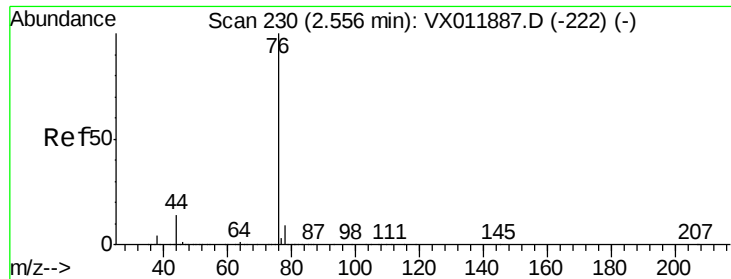
Delta R.T. -0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 12:36

Tgt Ion:	43	Resp:	230709
Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.8	35.8





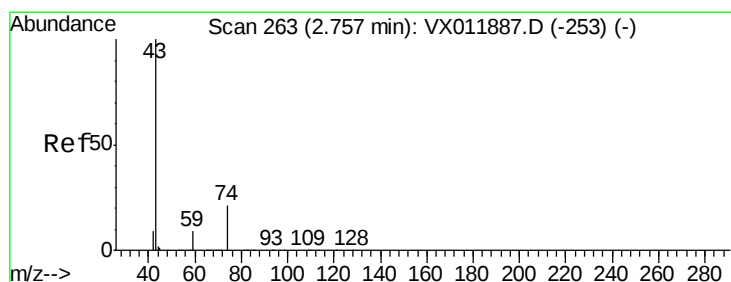
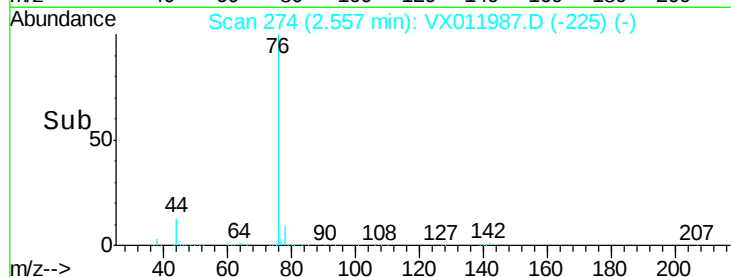
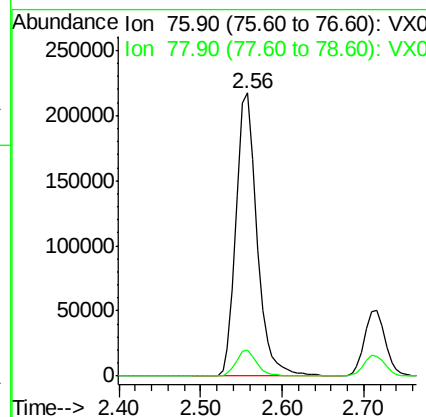
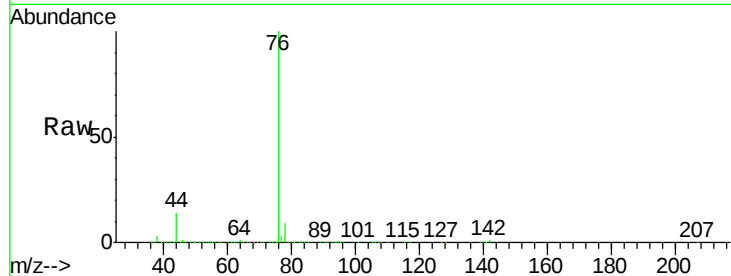
#17
Carbon Disulfide
Concen: 46.508 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

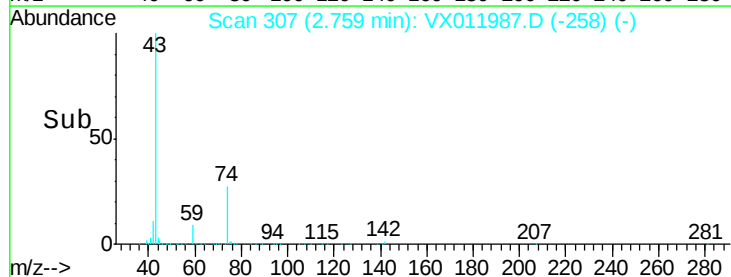
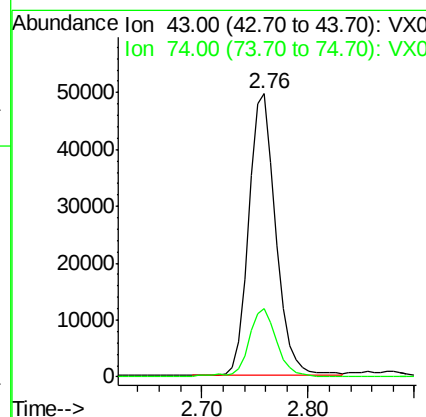
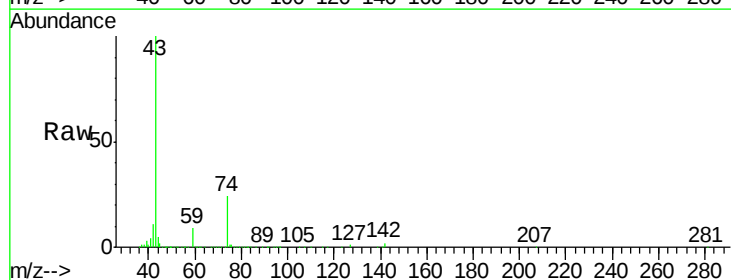
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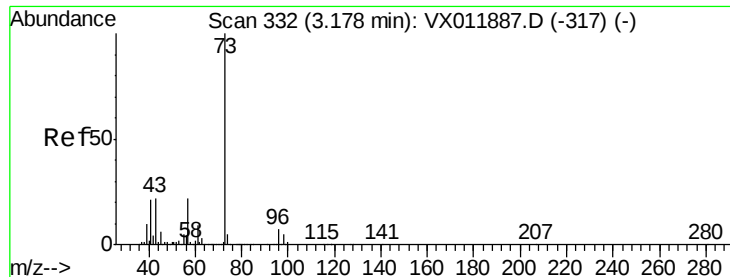
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#18
Methyl Acetate
Concen: 37.797 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	18.4	27.6





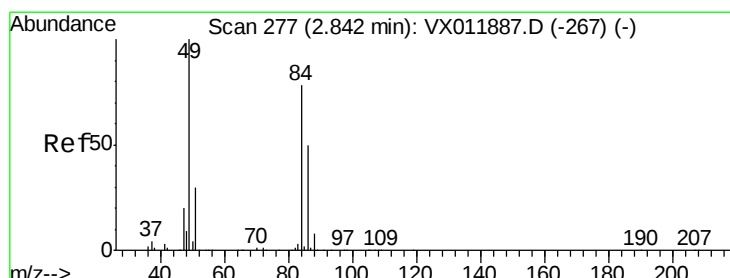
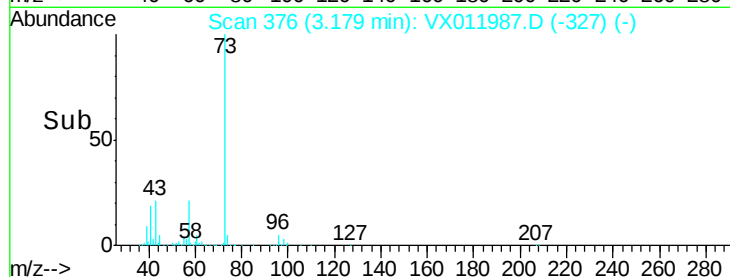
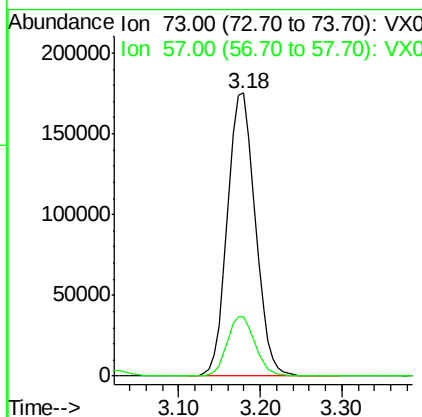
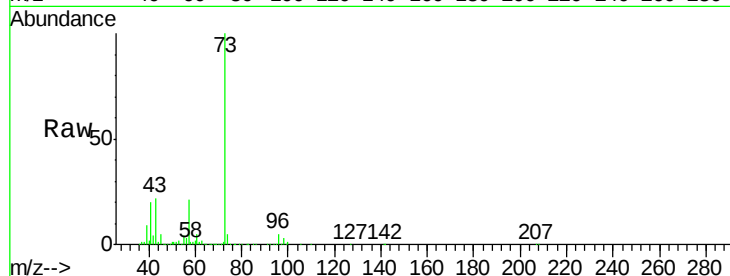
#19
Methvl tert-butvl Ether
Concen: 44.311 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.0

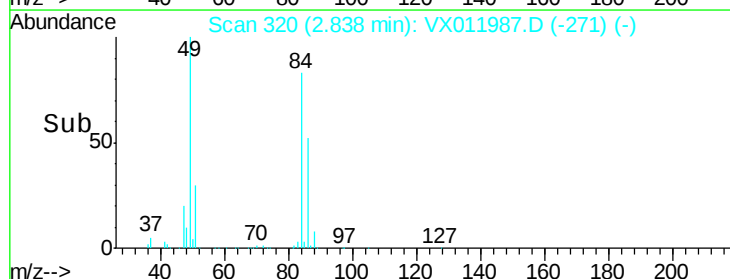
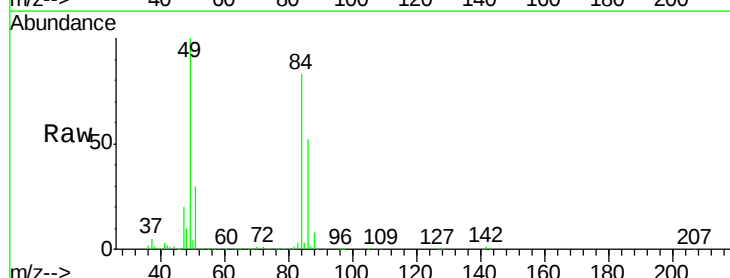
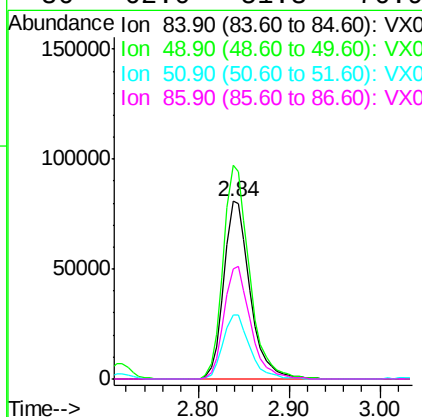
Manual Integrations
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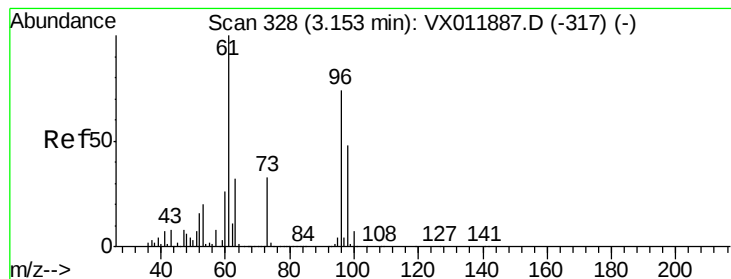
MMDadoda
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#20
Methylene Chloride
Concen: 44.756 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.0	103.0	154.4
51	35.6	30.8	46.2
86	62.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 50.021 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

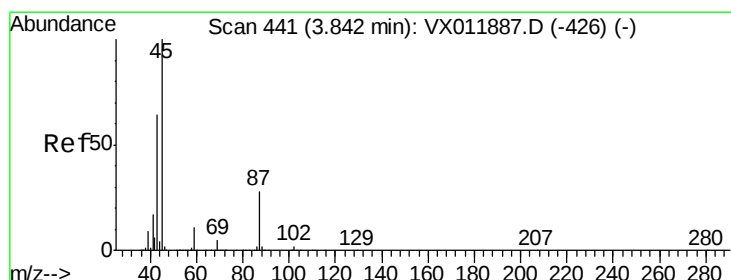
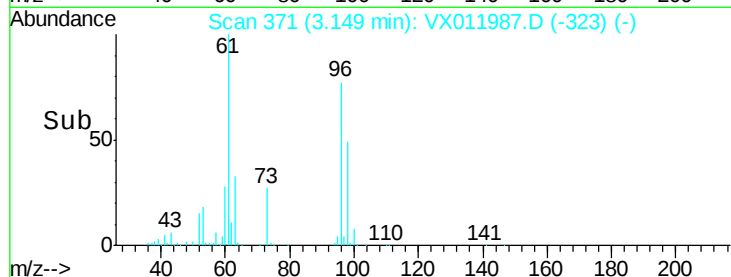
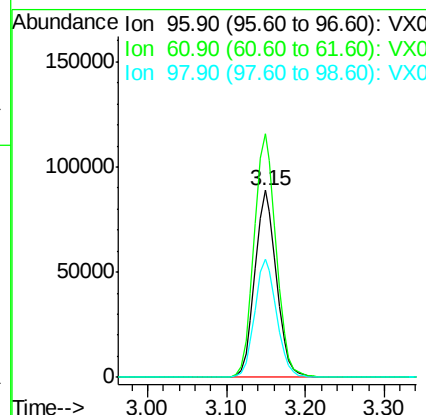
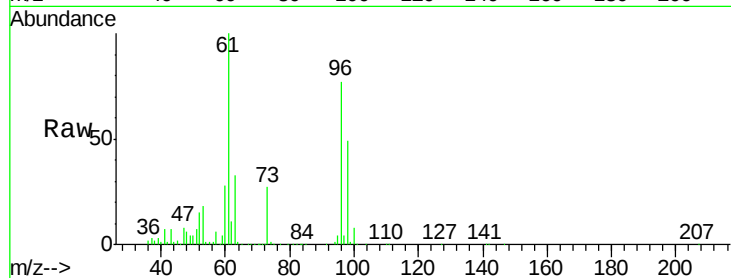
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	169634
Ion	Ratio	Lower	Upper
96	100		
61	130.4	107.4	161.2
98	63.6	51.4	77.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.104 ug/l

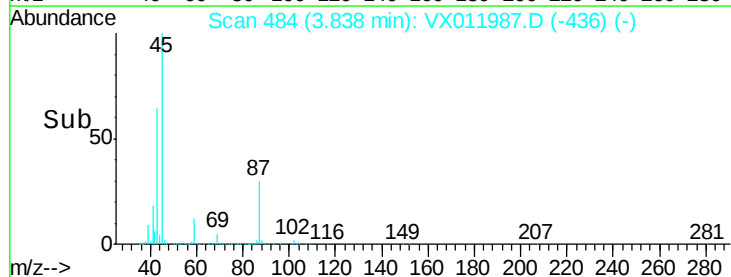
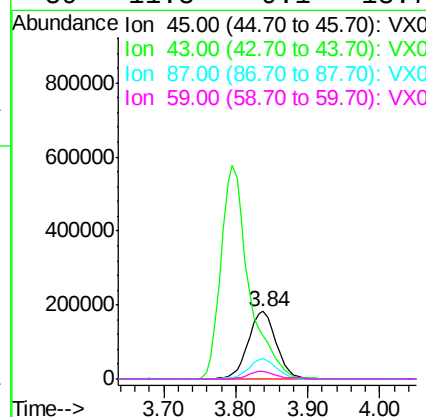
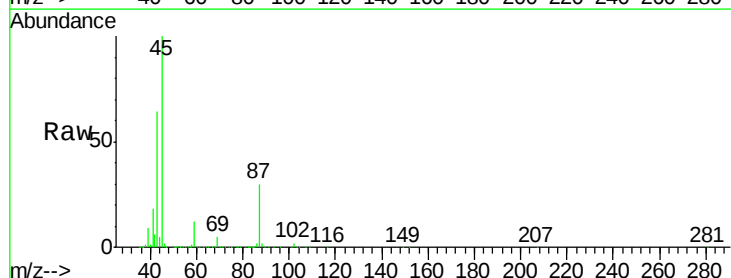
RT: 3.84 min Scan# 484

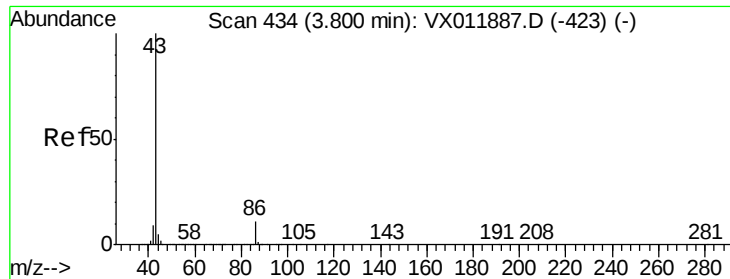
Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Tgt Ion:	45	Resp:	497273
Ion	Ratio	Lower	Upper
45	100		
43	64.2	51.0	76.6
87	29.6	22.0	33.0
59	11.8	9.1	13.7





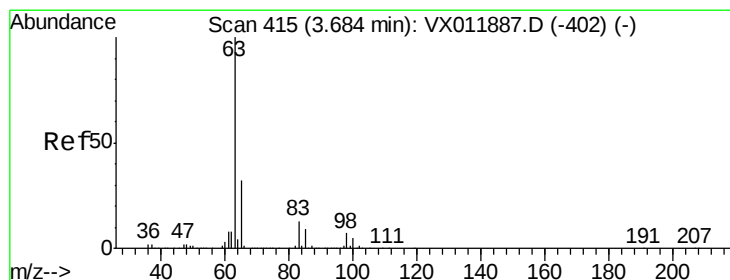
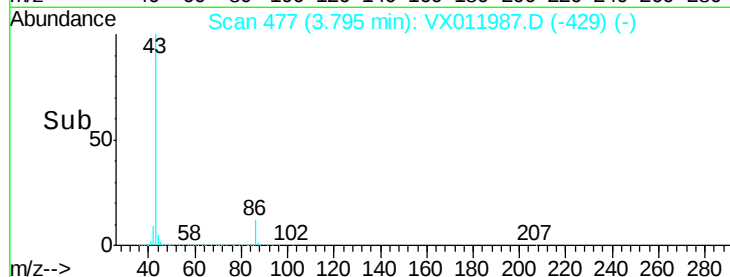
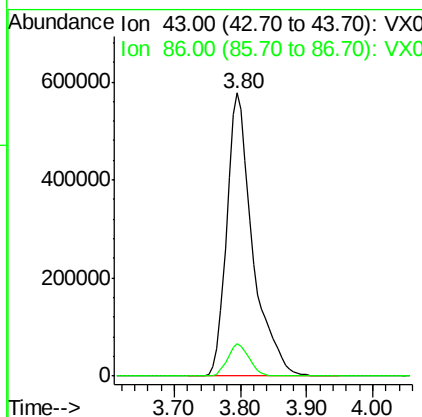
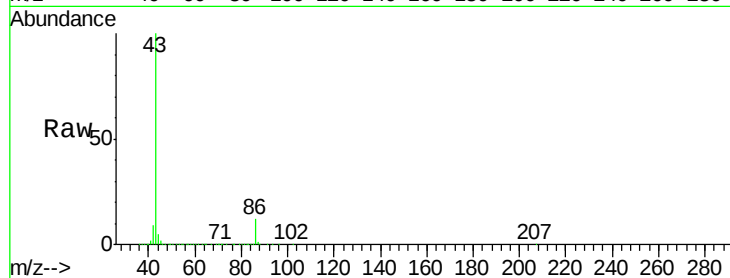
#23
 Vinyl Acetate
 Concen: 220.033 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1559658
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.6 12.8

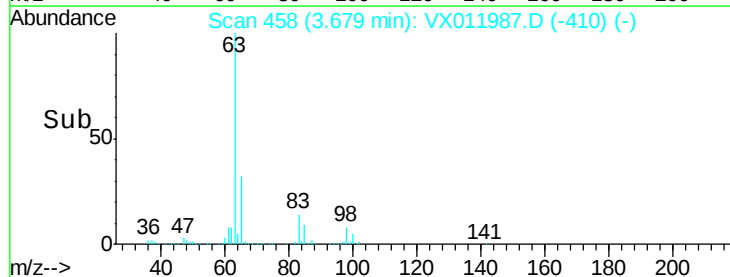
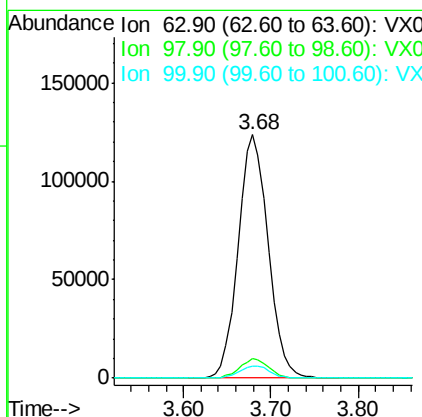
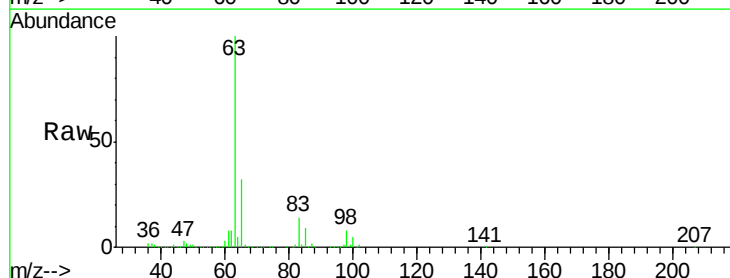
Manual Integrations
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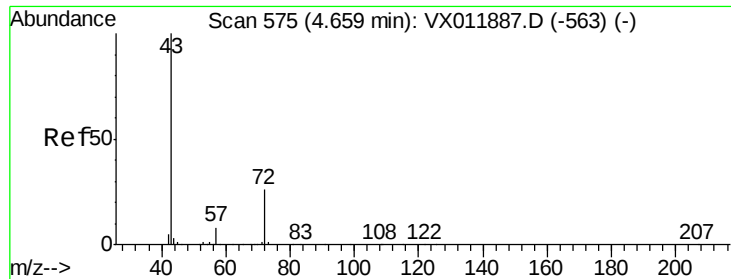
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#24
 1,1-Dichloroethane
 Concen: 48.437 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Tgt Ion: 63 Resp: 294483
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.8 11.2
 100 4.8 2.4 7.2





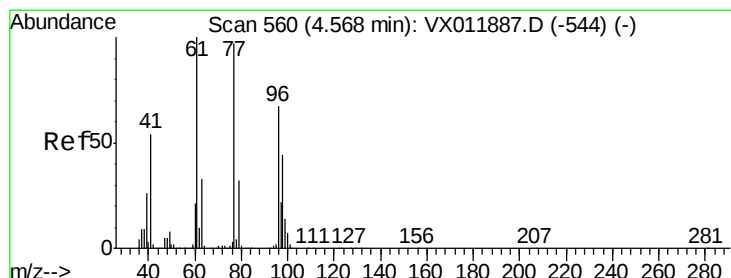
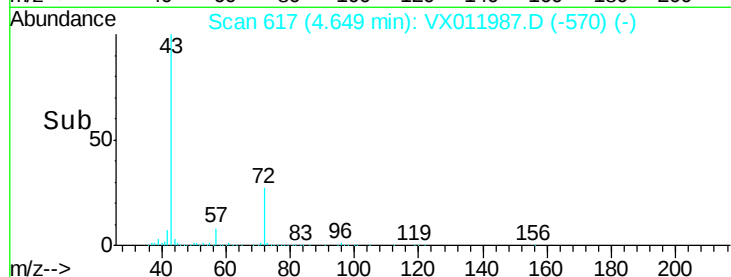
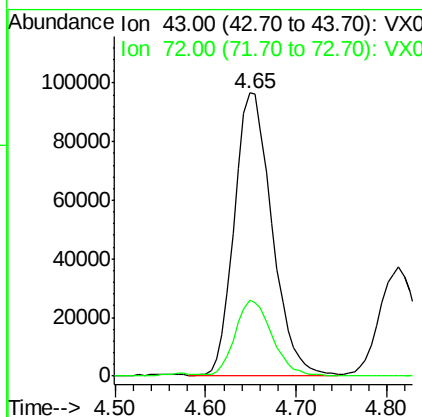
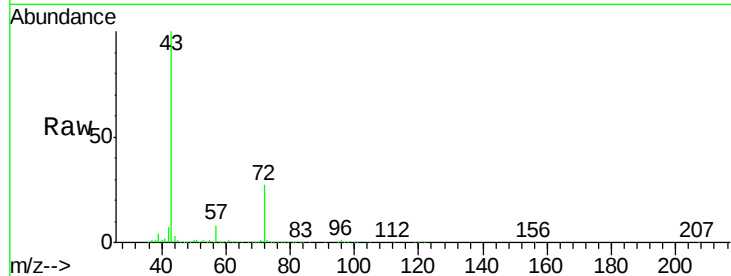
#25
2-Butanone
Concen: 224.653 ug/l
RT: 4.65 min Scan# 617
Delta R.T. -0.01 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 276480
Ion Ratio Lower Upper
43 100
72 26.9 21.0 31.4

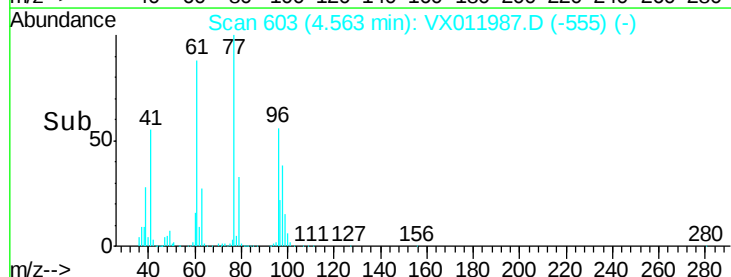
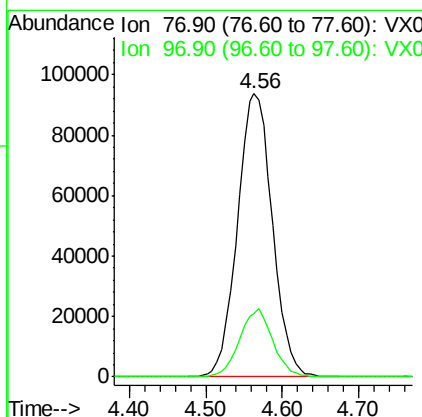
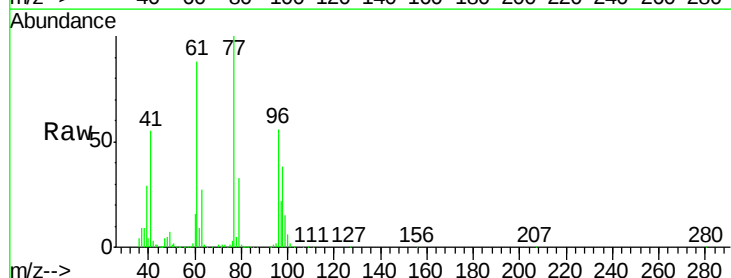
Manual Integrations
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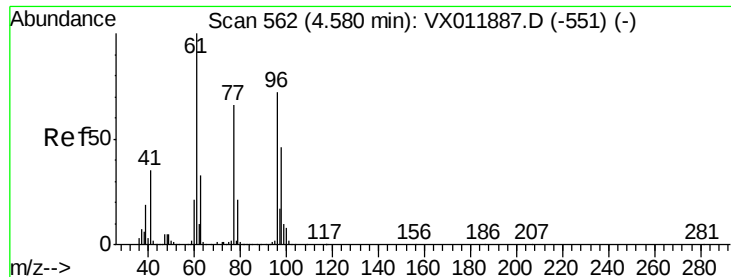
MMDadoda
9/5/2019 2:04:51 AM



#26
2,2-Dichloropropane
Concen: 58.020 ug/l
RT: 4.56 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion: 77 Resp: 295857
Ion Ratio Lower Upper
77 100
97 23.0 11.7 35.1





#27

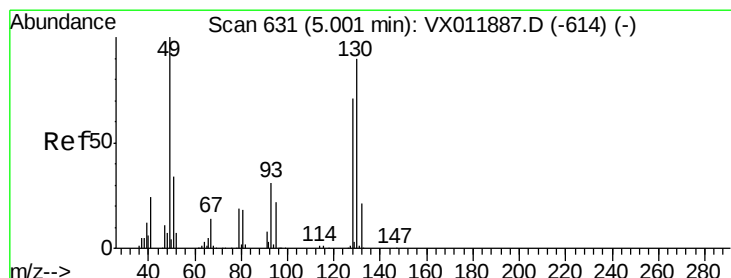
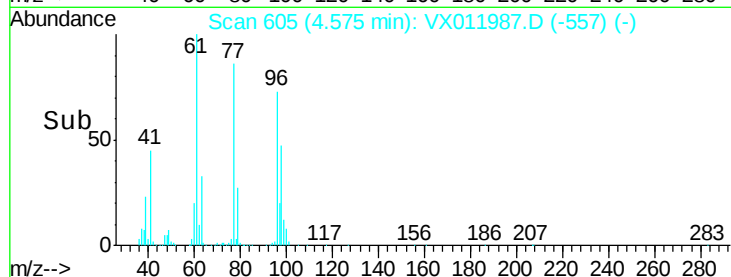
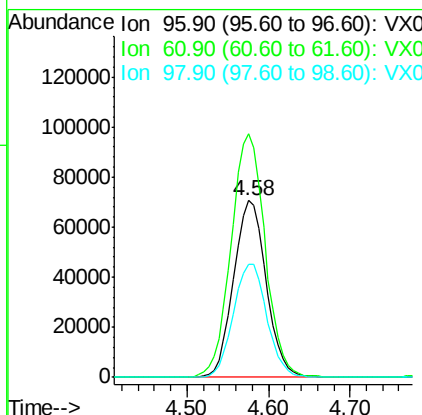
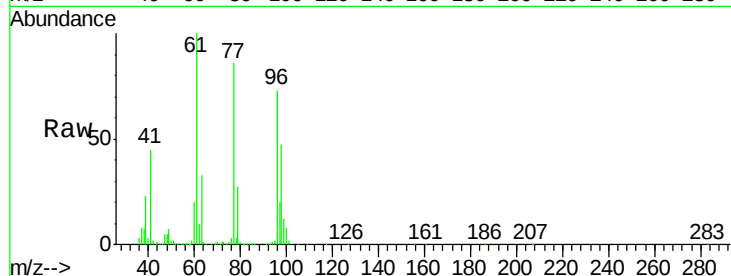
cis-1,2-Dichloroethene
Concen: 49.114 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	196192		
61	143.6	0.0	283.8	
98	65.6	0.0	131.2	

Manual Integrations
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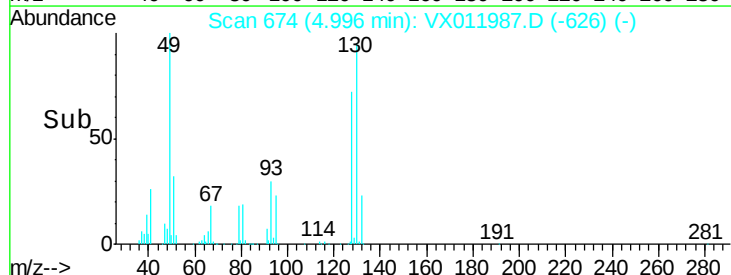
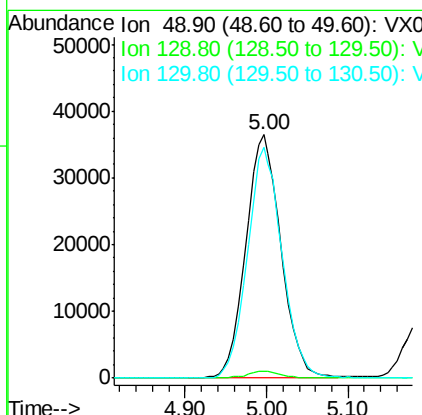
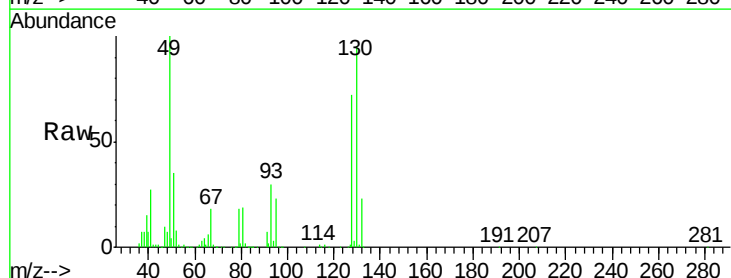
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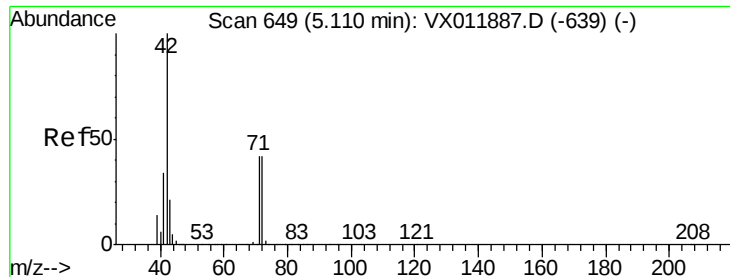


#28

Bromochloromethane
Concen: 39.843 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108695		
129	2.8	0.0	4.8	
130	94.0	70.6	105.8	





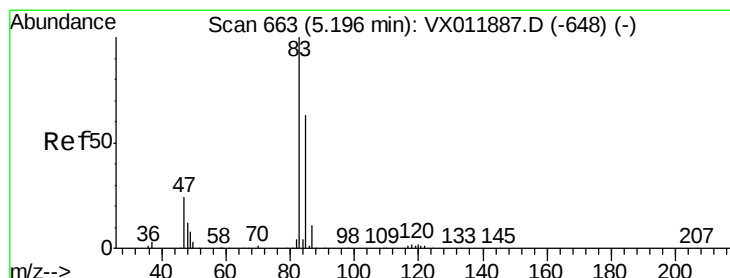
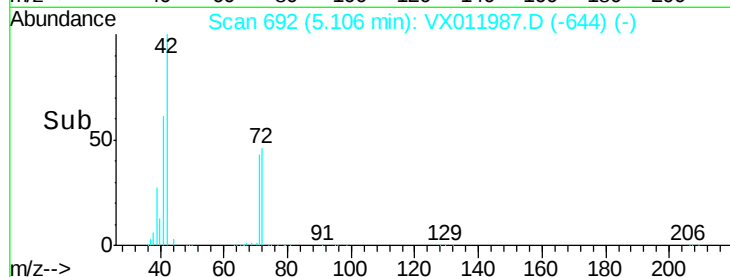
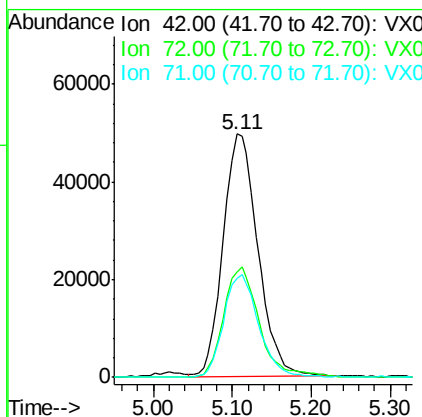
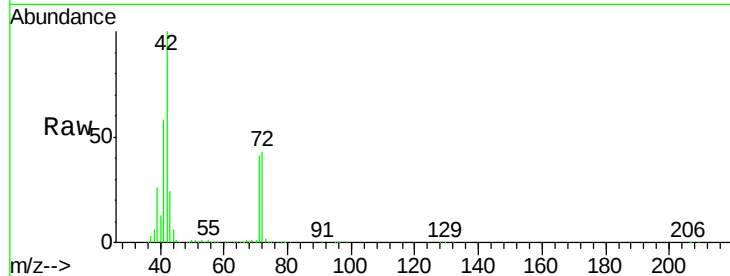
#29
Tetrahydrofuran
Concen: 198.466 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	36.2	54.4
71	42.2	33.1	49.7

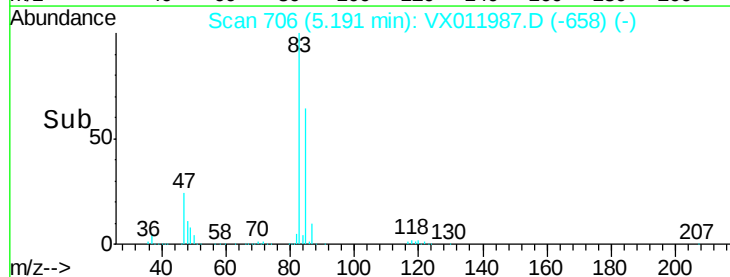
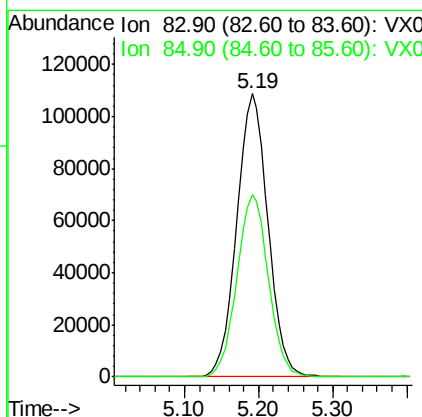
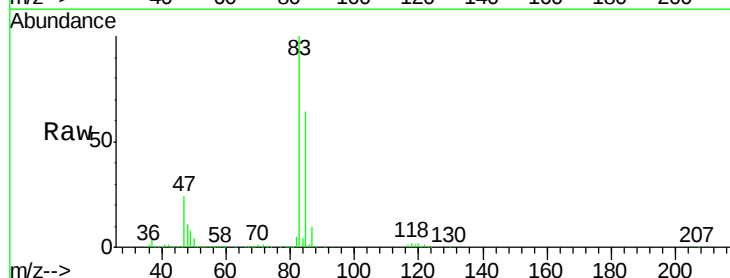
Manual Integrations
APPROVED

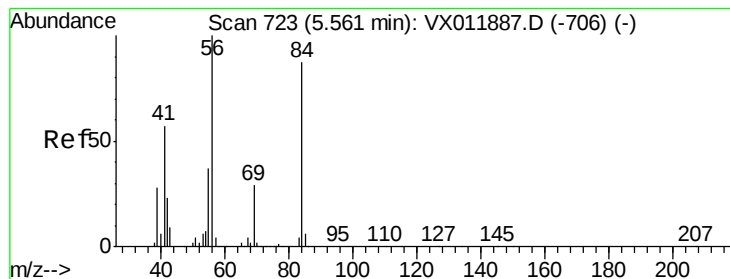
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#30
Chloroform
Concen: 49.196 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.6	75.8





#31

Cvclohexane

Concen: 48.804 ug/l

RT: 5.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

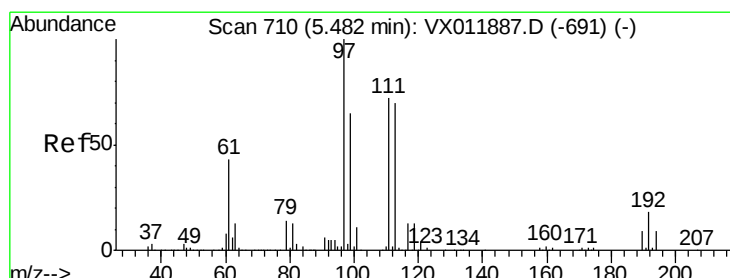
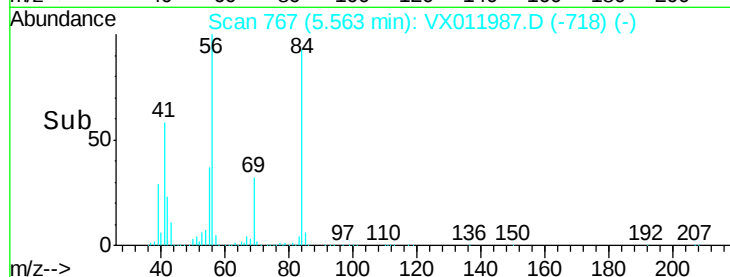
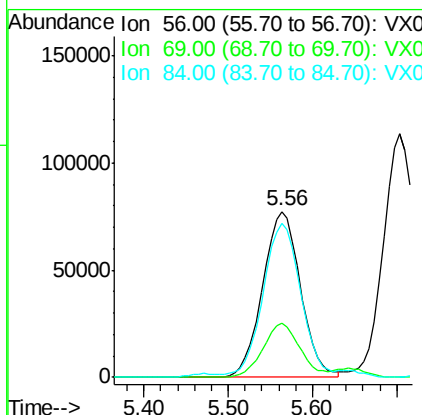
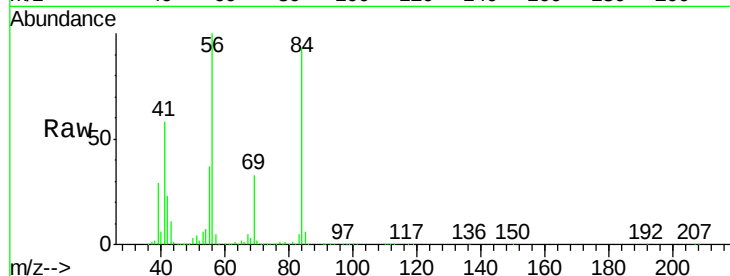
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	239328
Ion	Ratio	Lower	Upper
56	100		
69	32.5	23.1	34.7
84	91.7	69.6	104.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.350 ug/l

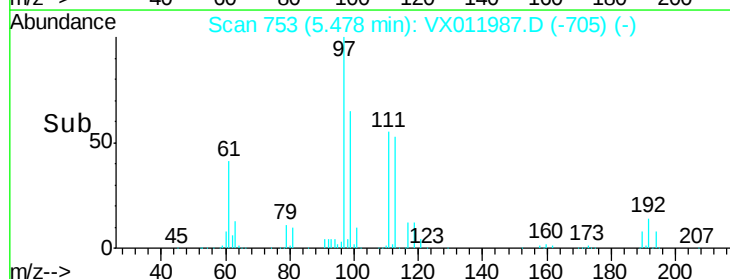
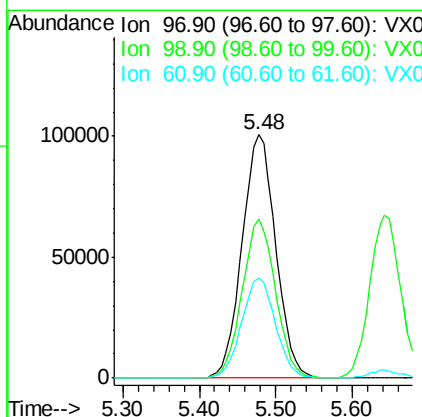
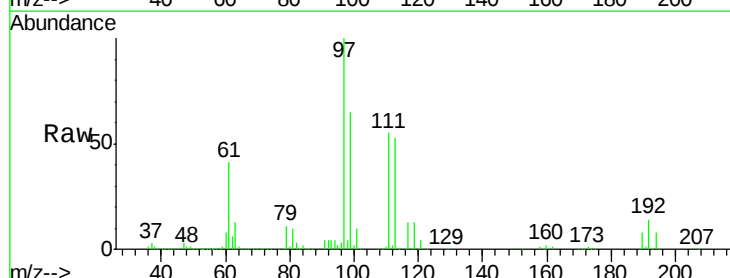
RT: 5.48 min Scan# 753

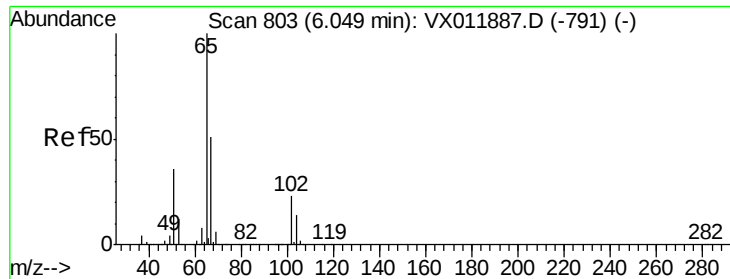
Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Tgt Ion	97	Resp	308066
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	41.4	33.8	50.6





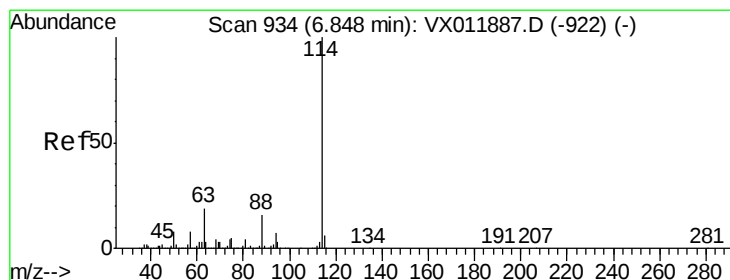
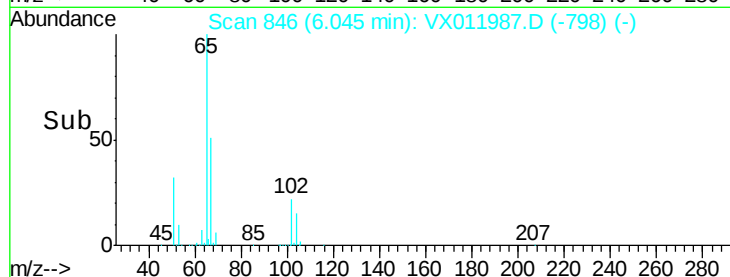
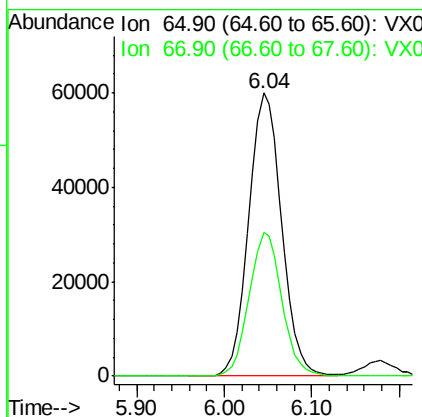
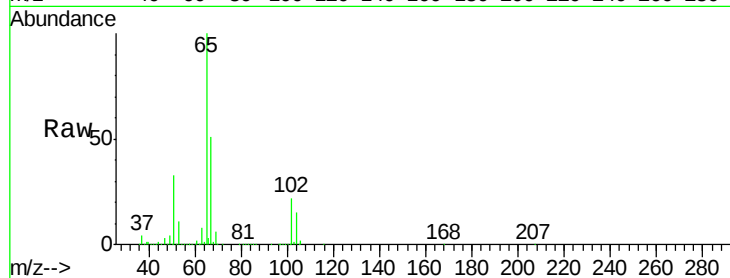
#33
 1,2-Dichloroethane-d4
 Concen: 39.970 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	102.2

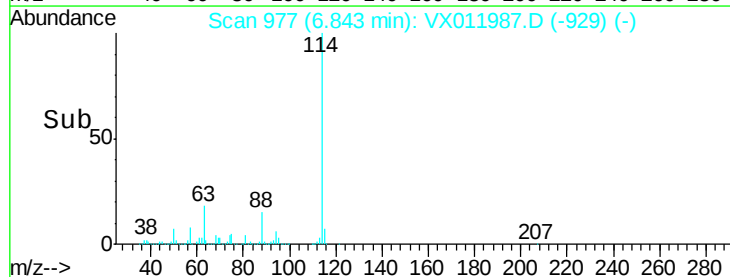
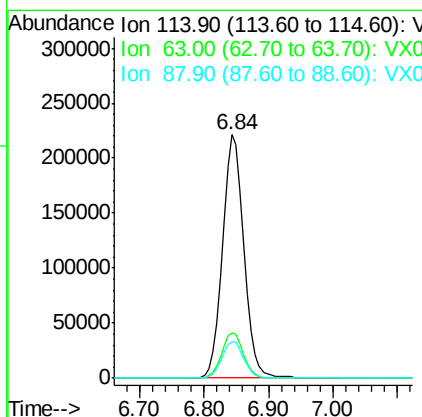
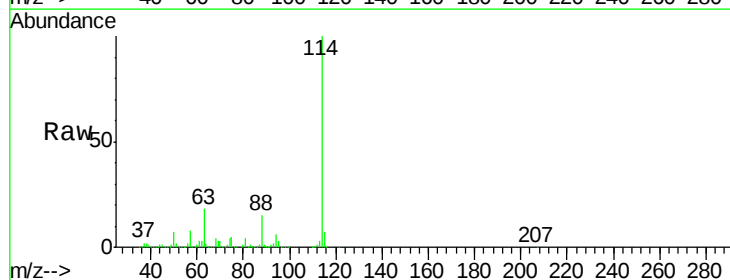
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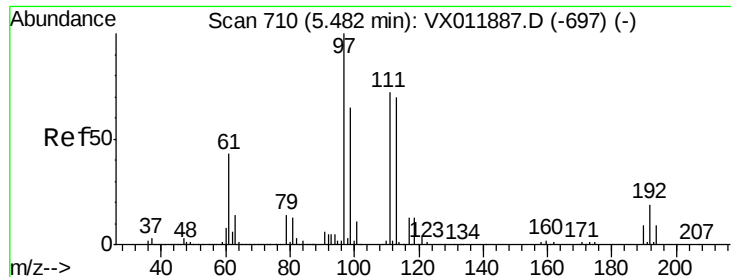
MMDadoda
 9/5/2019 2:04:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	38.8
88	15.1	0.0	31.2





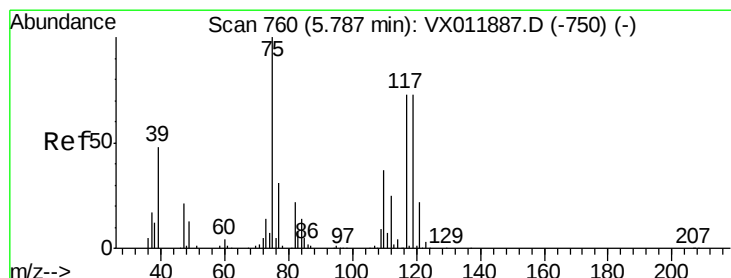
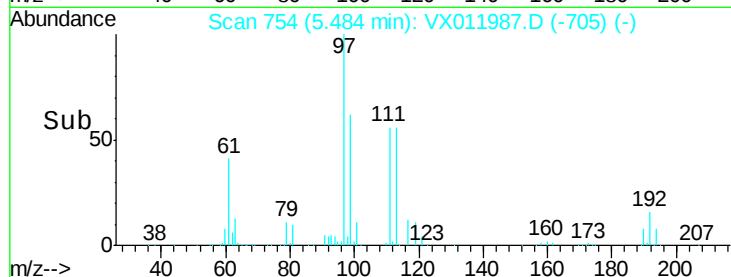
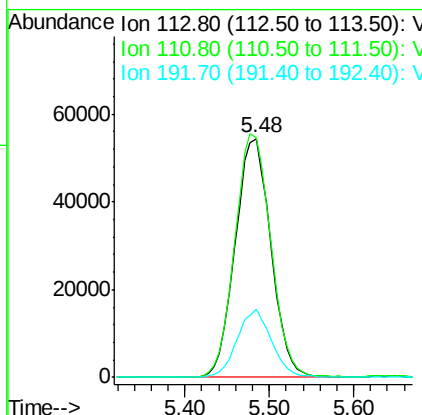
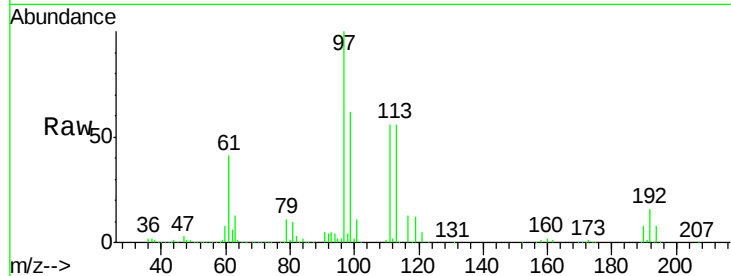
#35
 Dibromofluoromethane
 Concen: 46.973 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011887.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156104		
111	102.8	82.1	123.1	
192	27.6	21.5	32.3	

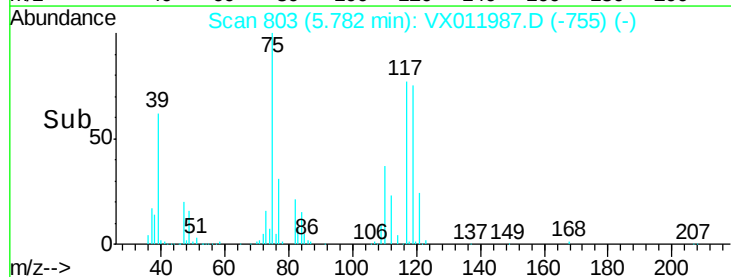
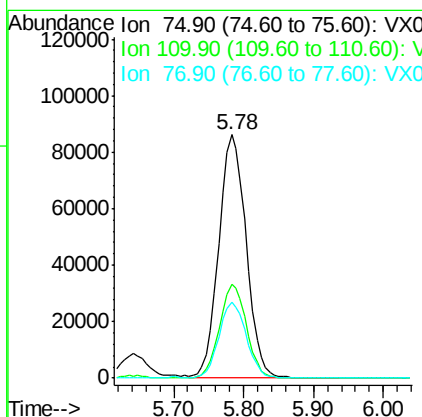
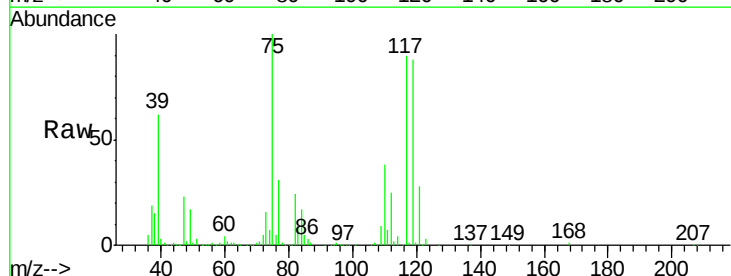
Manual Integrations
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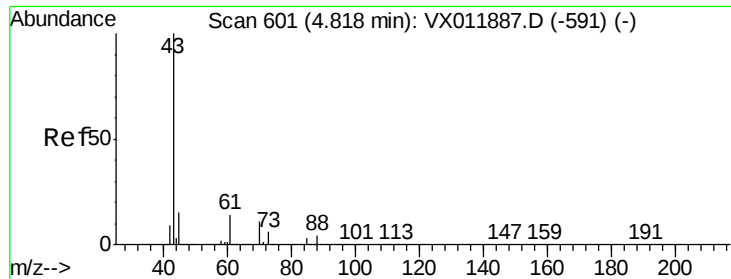
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#36
 1,1-Dichloropropene
 Concen: 57.085 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VX011887.D
 Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	234381		
110	38.2	19.1	57.3	
77	30.8	24.4	36.6	





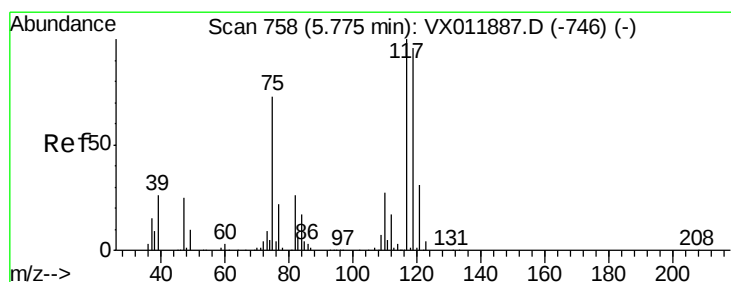
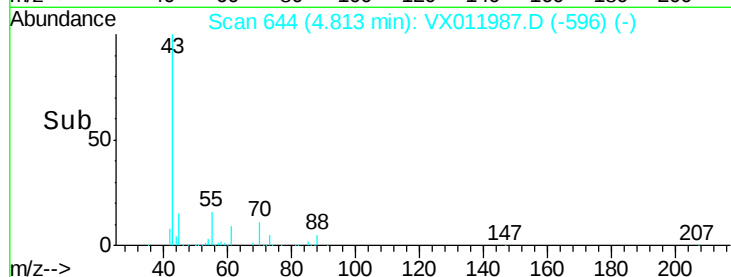
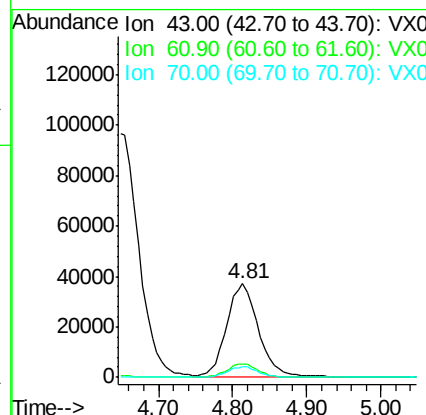
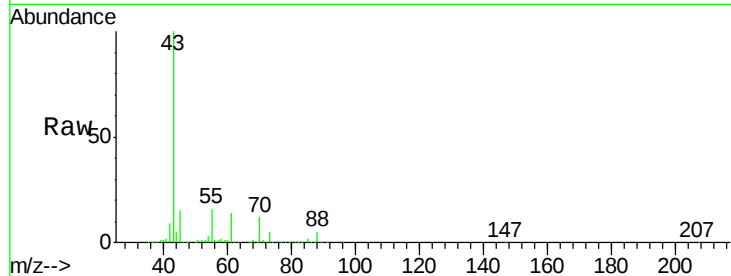
#37
Ethyl Acetate
Concen: 44.676 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	11.5	9.2	13.8

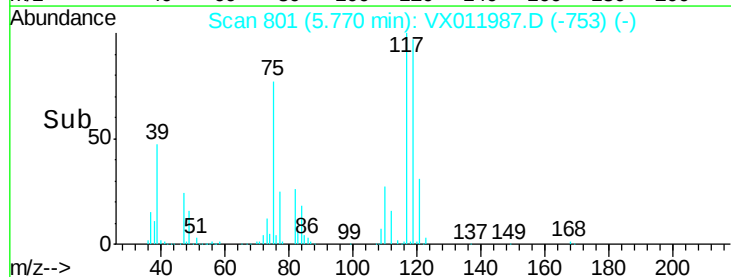
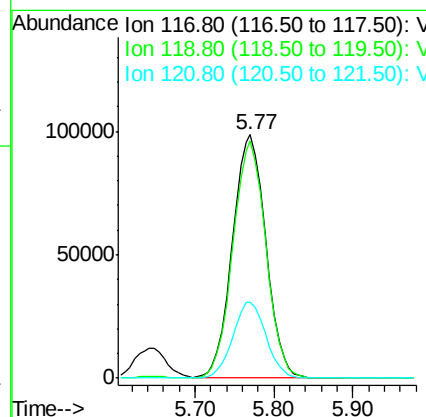
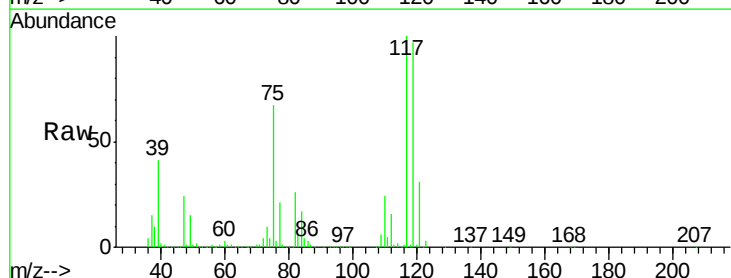
Manual Integrations
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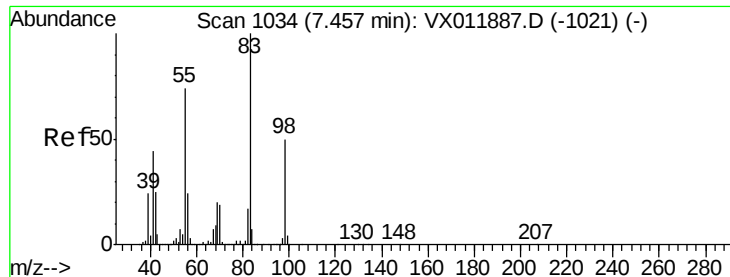
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#38
Carbon Tetrachloride
Concen: 60.820 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.6	114.8
121	31.1	24.7	37.1





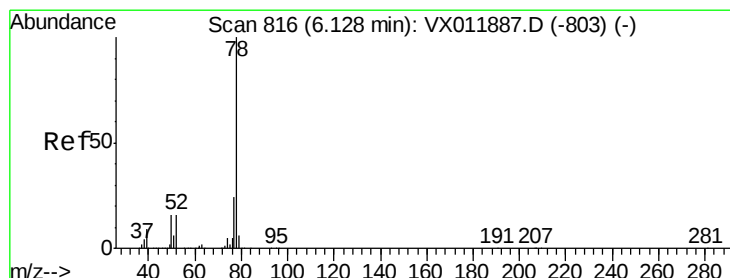
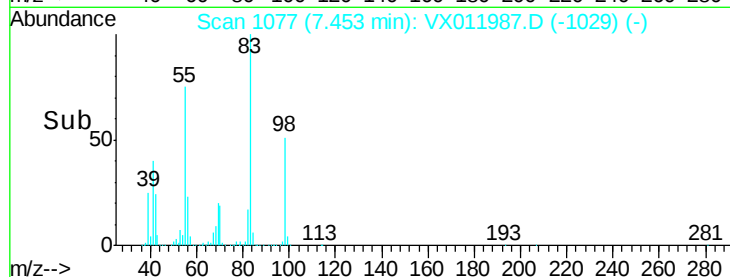
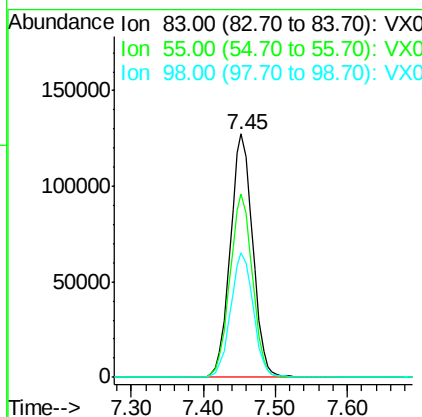
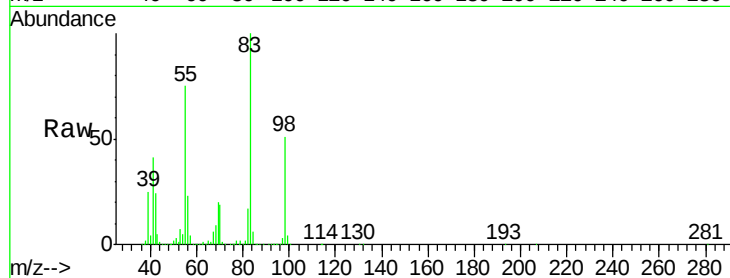
#39
Methvlcvclohexane
Concen: 56.646 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	59.4	89.0
98	51.0	40.3	60.5

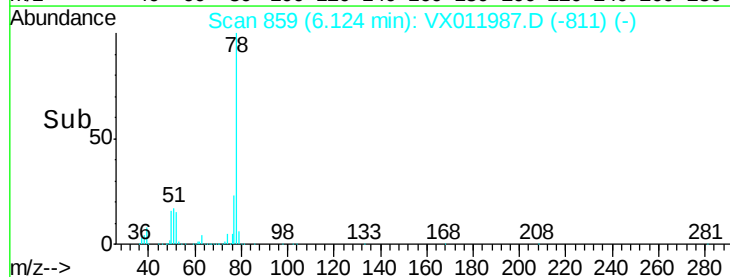
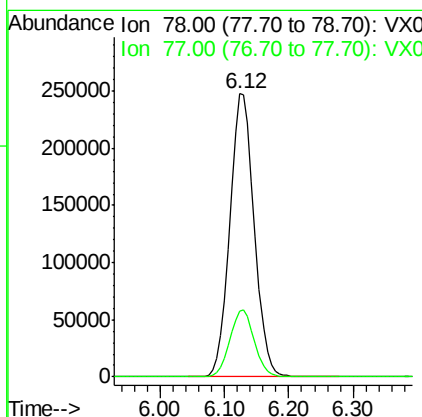
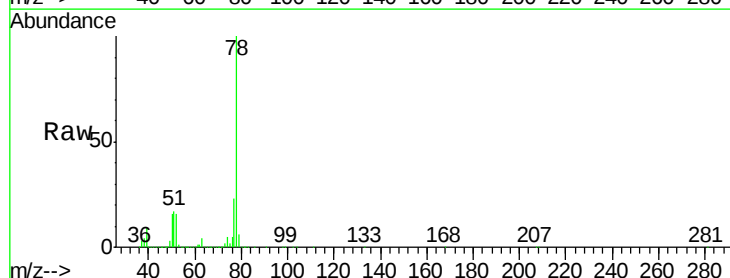
Manual Integrations
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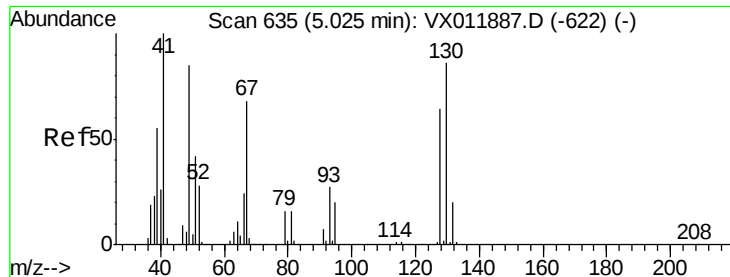
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#40
Benzene
Concen: 53.705 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





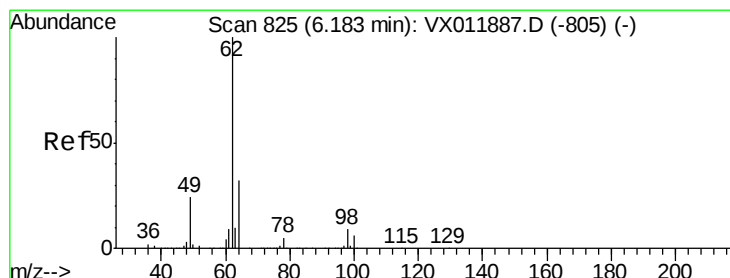
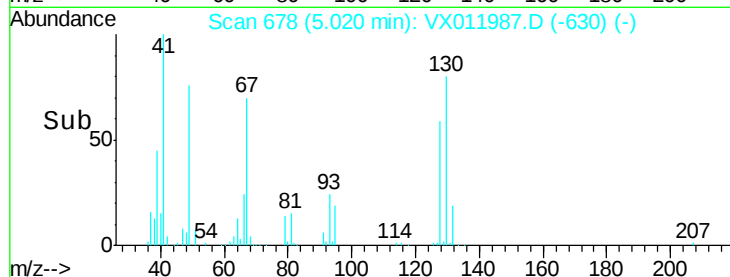
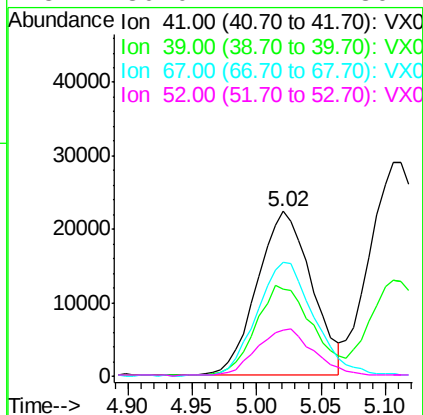
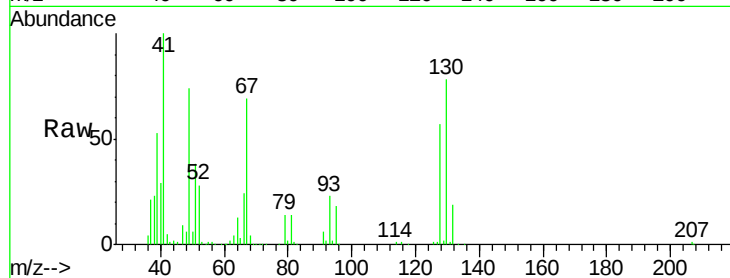
#41
Methacrylonitrile
Concen: 45.891 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.6	45.0	67.6
67	72.9	55.0	82.4
52	30.0	24.1	36.1

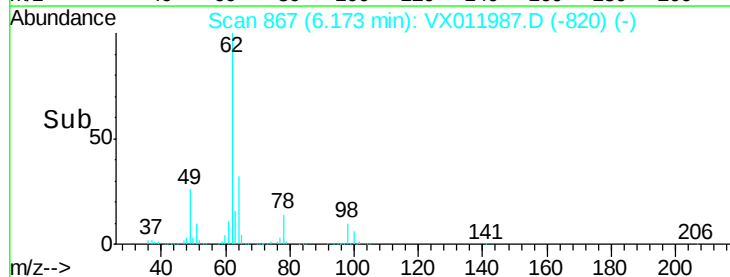
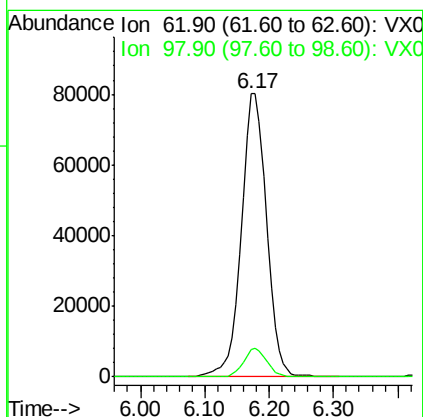
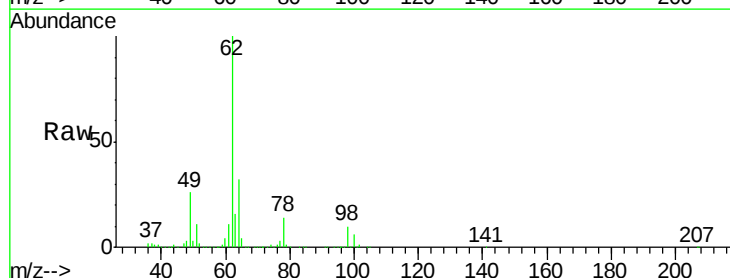
Manual Integrations
APPROVED

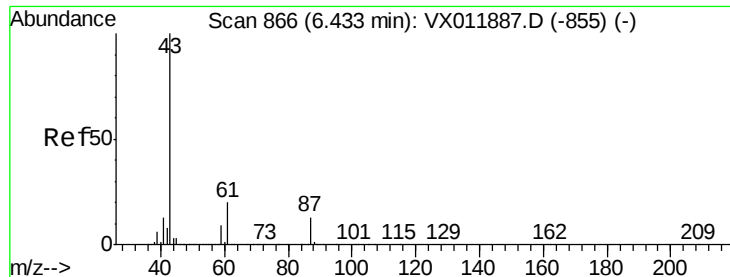
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.732 ug/l
RT: 6.17 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.2





#43

Isopropyl Acetate

Concen: 45.557 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

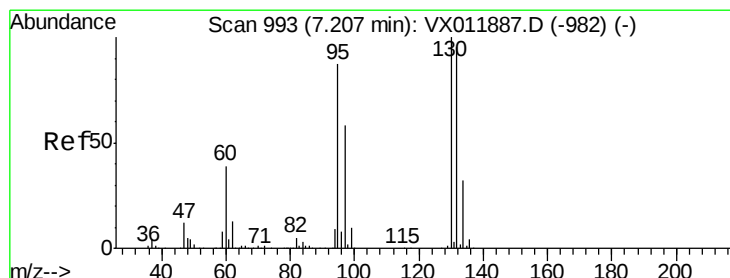
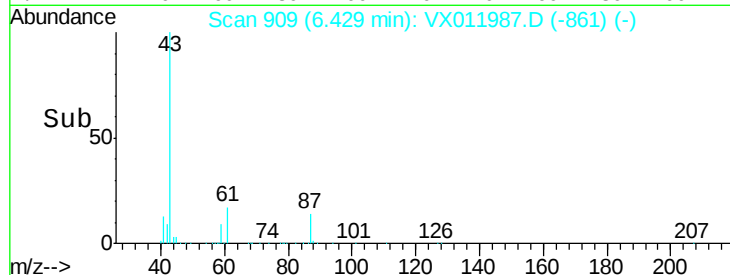
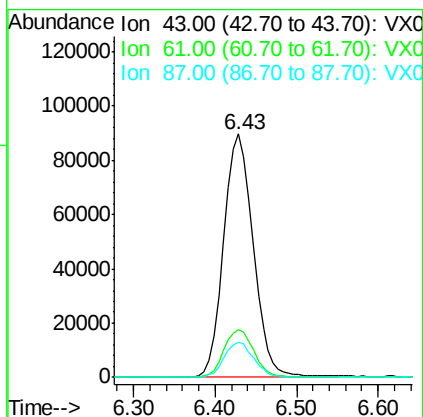
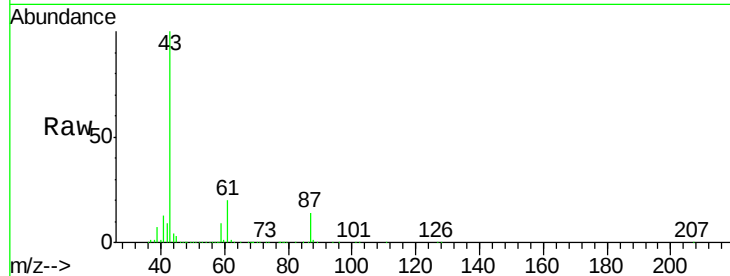
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	224485
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	14.5	10.6	16.0

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#44

Trichloroethene

Concen: 57.276 ug/l

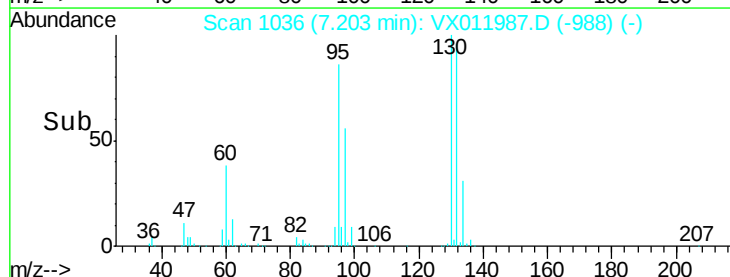
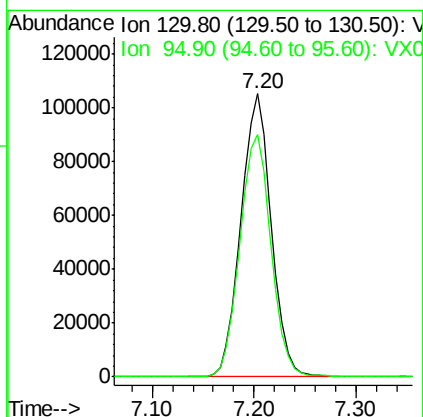
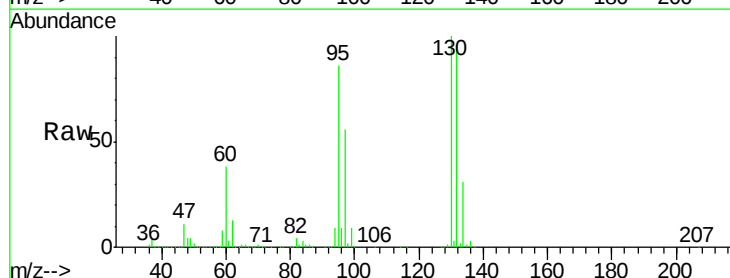
RT: 7.20 min Scan# 1036

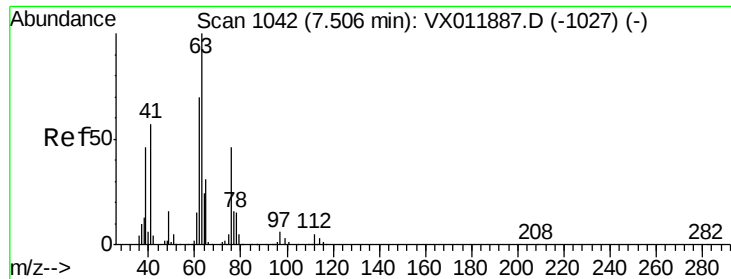
Delta R.T. -0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 12:36

Tgt Ion:	130	Resp:	217186
Ion	Ratio	Lower	Upper
130	100		
95	85.7	0.0	174.6





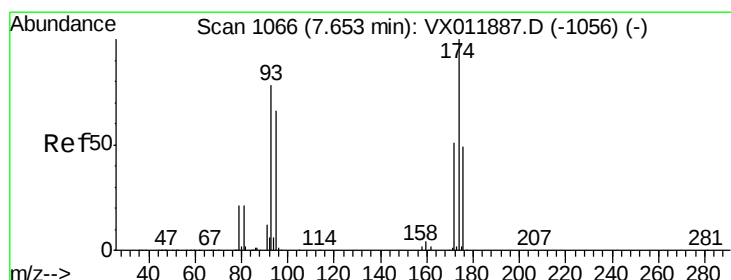
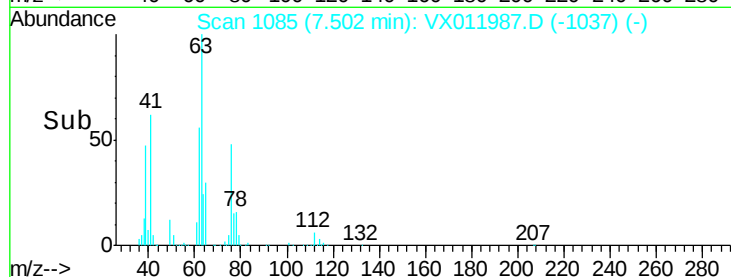
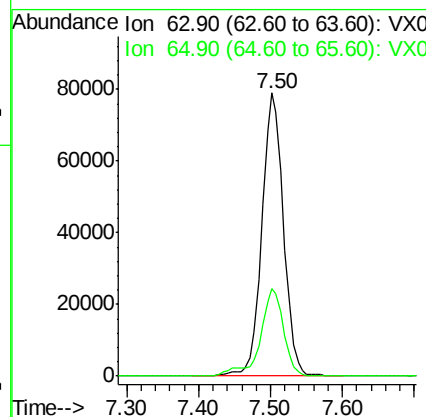
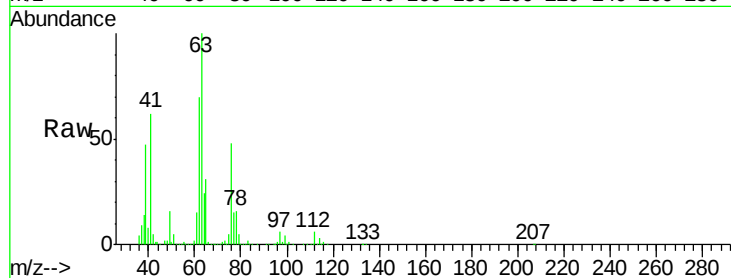
#45
 1,2-Dichloropropane
 Concen: 51.419 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.1	37.7

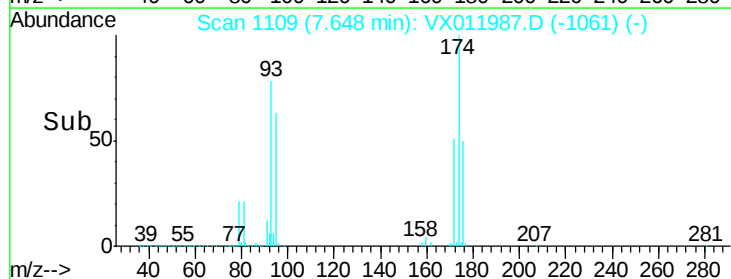
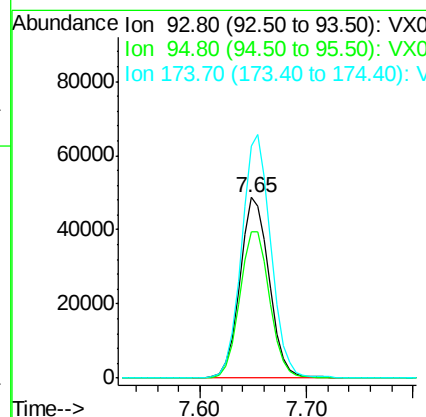
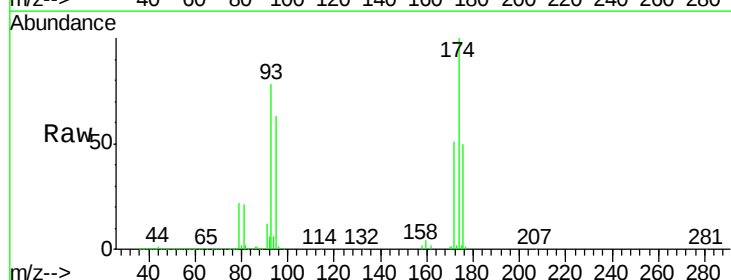
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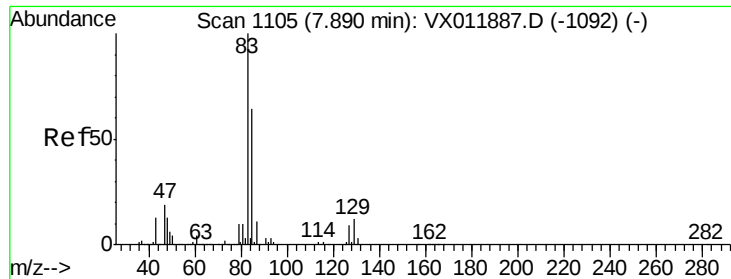
MMDadoda
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#46
 Dibromomethane
 Concen: 49.549 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.7	98.5
174	134.7	104.2	156.4





#47

Bromodichloromethane

Concen: 52.666 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

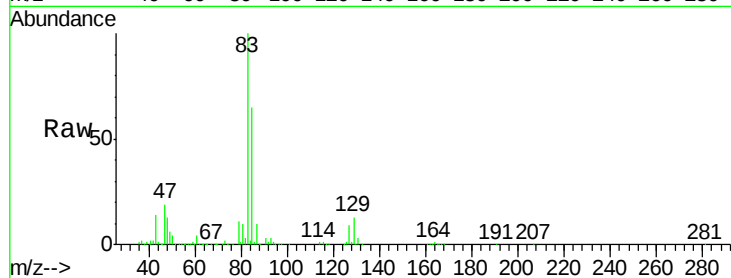
ClientSampleId :

VSTDCCC050

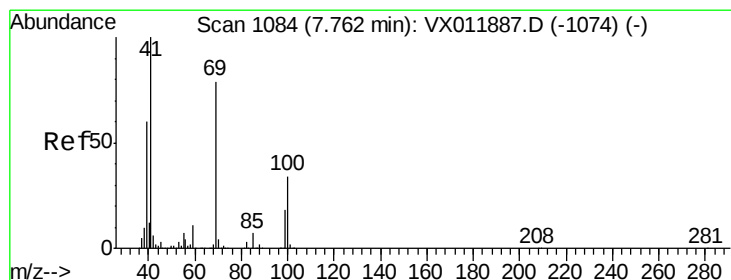
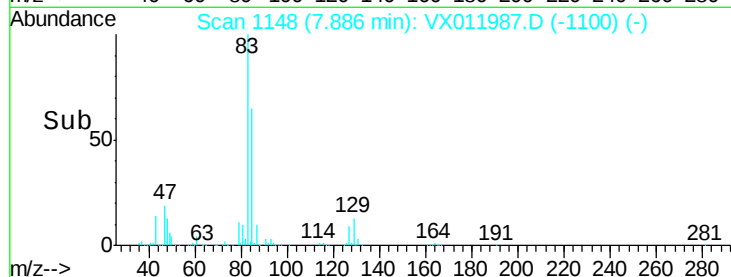
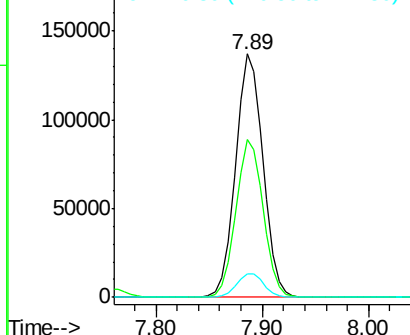
Tot Ion:	83	Resp:	248468
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.1	76.7
127	9.4	7.4	11.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 45.982 ug/l

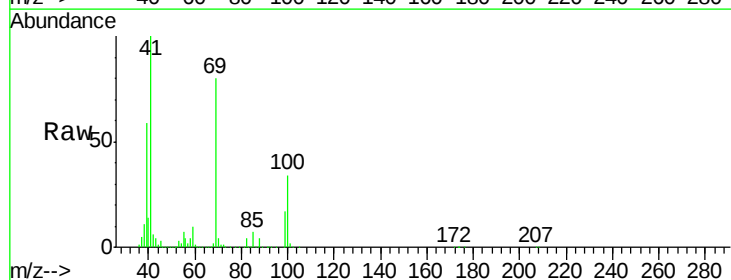
RT: 7.76 min Scan# 1127

Delta R.T. -0.00 min

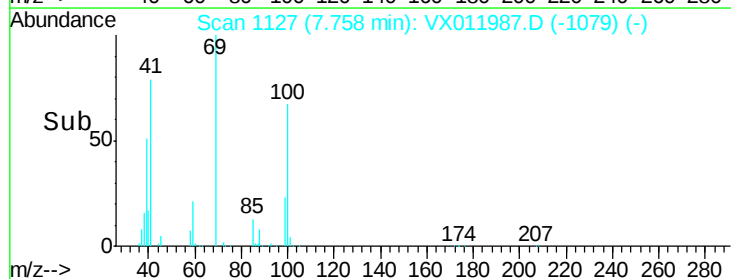
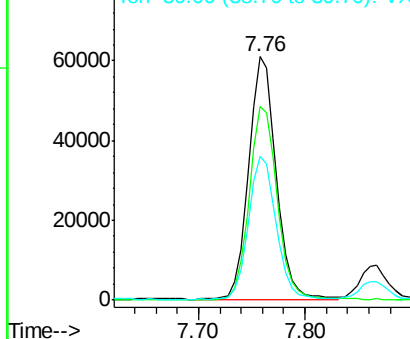
Lab File: VX011987.D

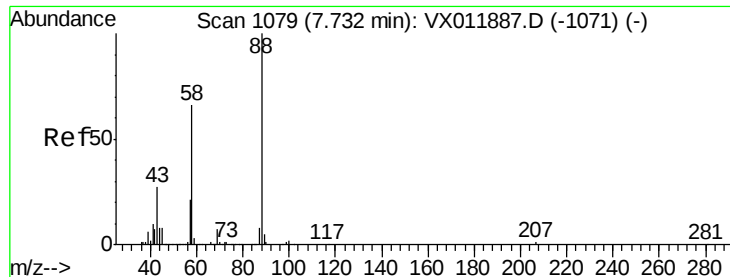
Acq: 01 Sep 2019 12:36

Tgt Ion:	41	Resp:	110243
Ion Ratio	Lower	Upper	
41	100		
69	81.5	64.4	96.6
39	59.6	47.2	70.8



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





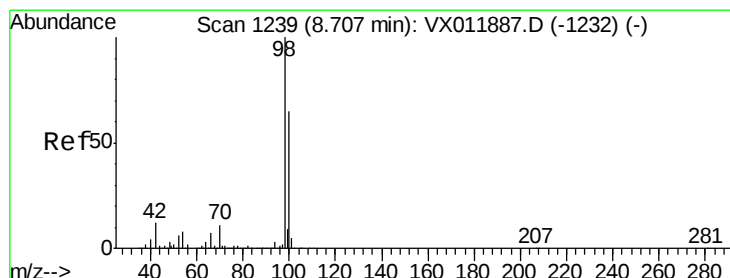
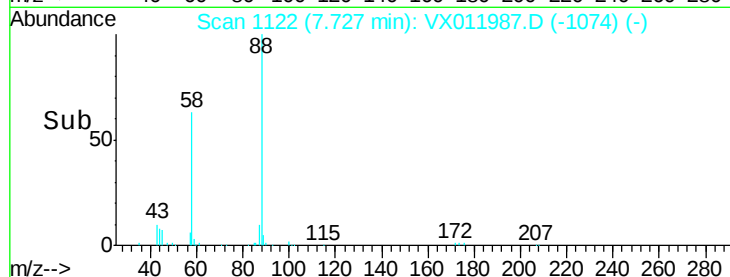
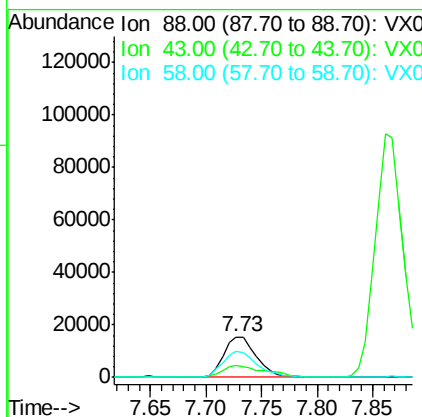
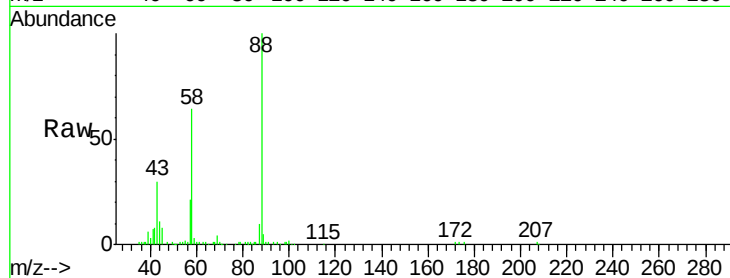
#49
1,4-Dioxane
Concen: 953.827 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	27.3	40.9
58	67.4	53.9	80.9

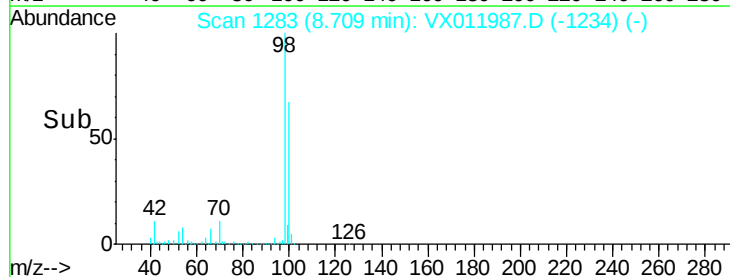
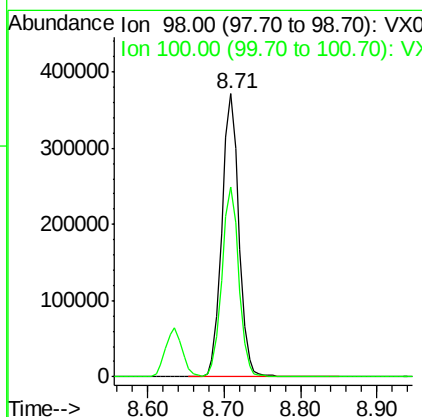
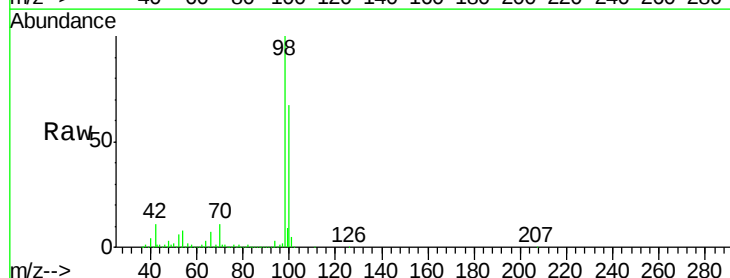
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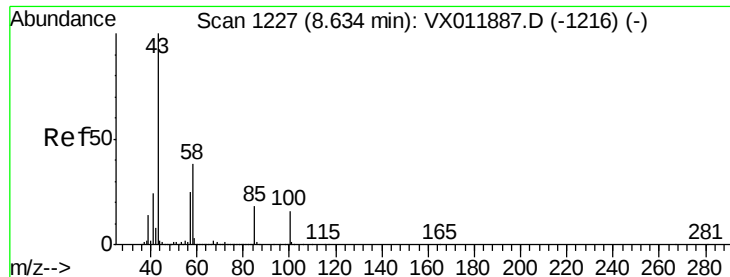
MMDadoda
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#50
Toluene-d8
Concen: 48.074 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.6





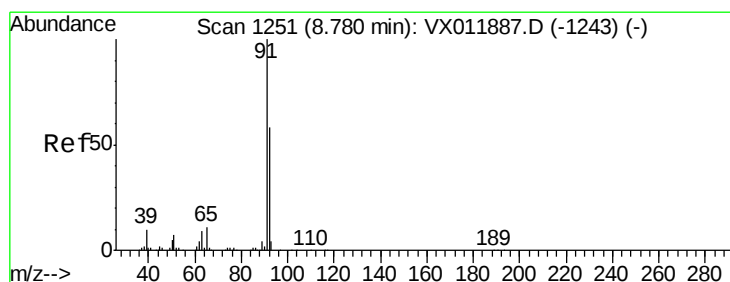
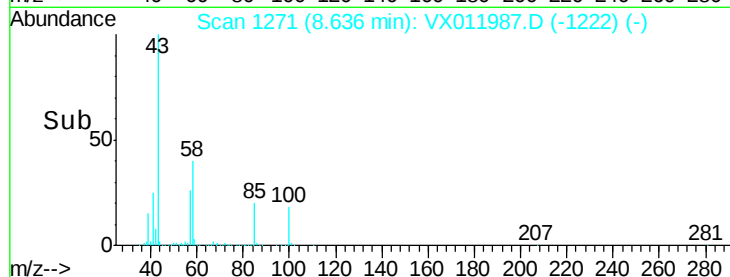
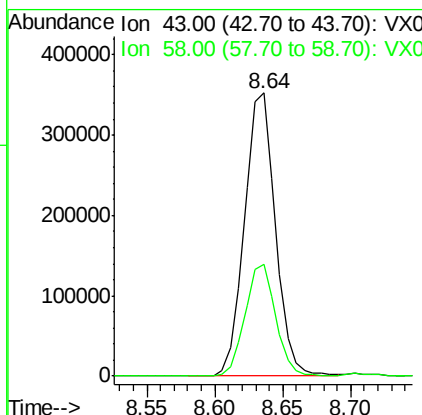
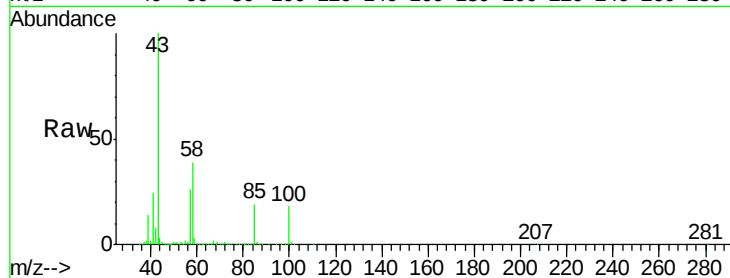
#51
4-Methyl-2-Pentanone
Concen: 223.841 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.9	46.3

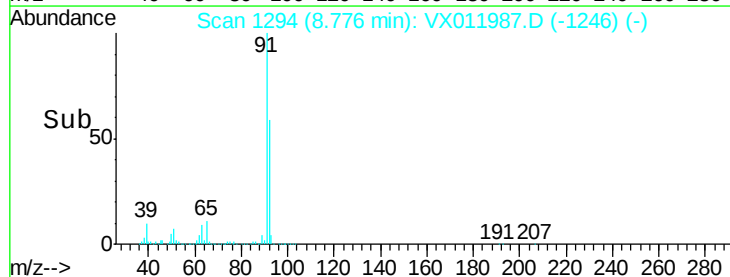
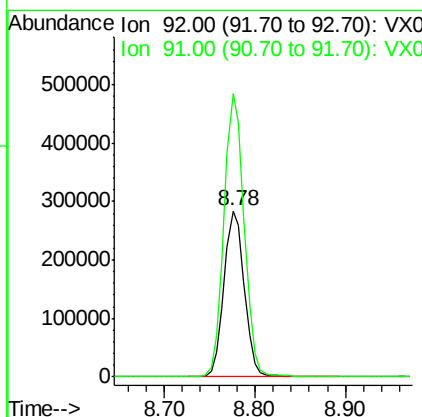
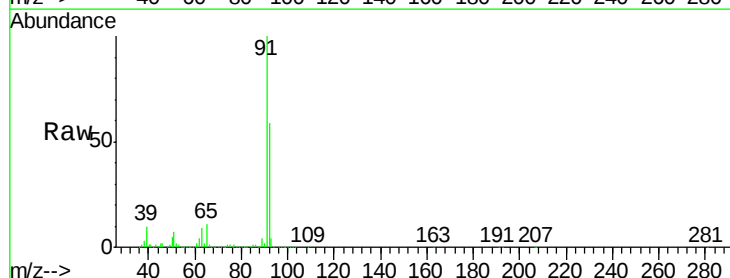
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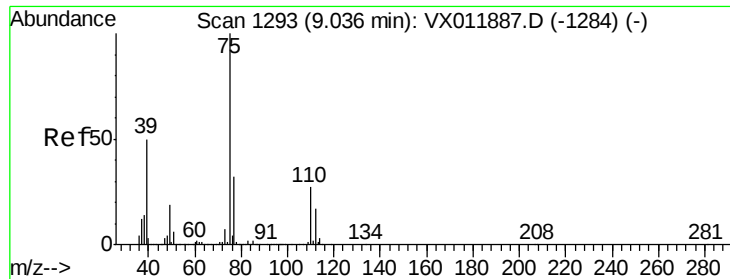
MMDadoda
9/5/2019 2:04:51 AM



#52
Toluene
Concen: 55.047 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.3	136.8	205.2





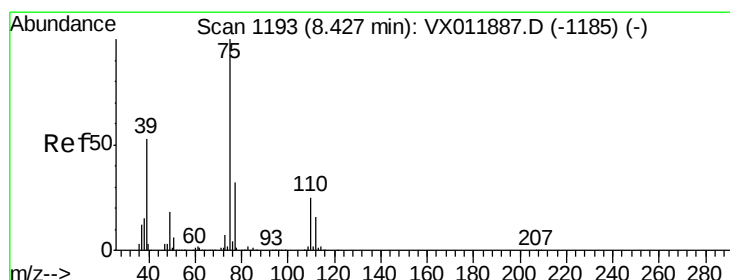
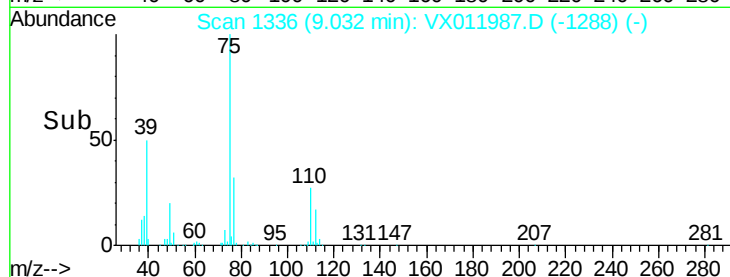
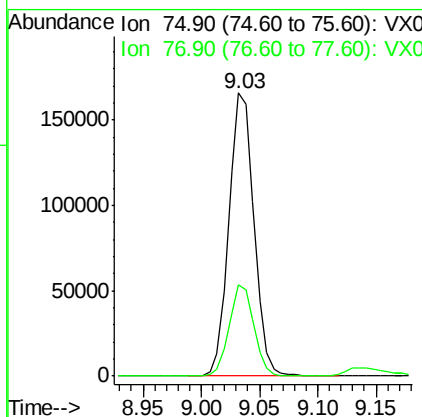
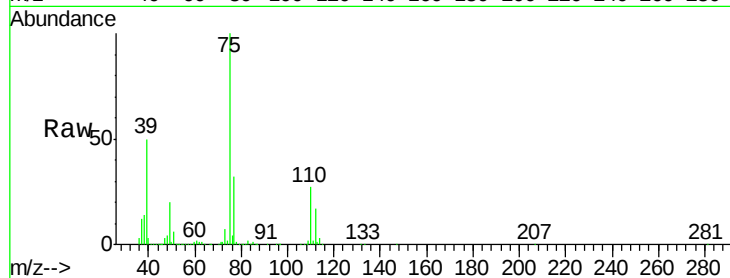
#53
t-1,3-Dichloropropene
Concen: 51.542 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.6	38.4

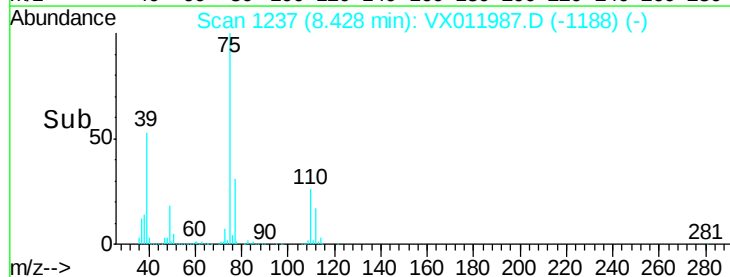
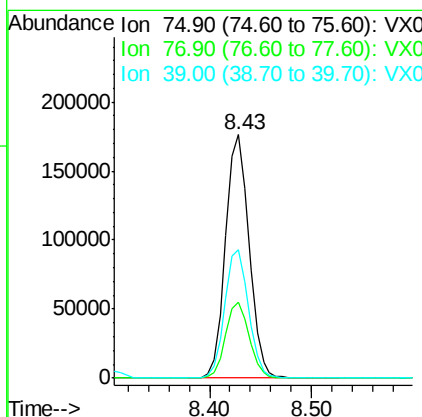
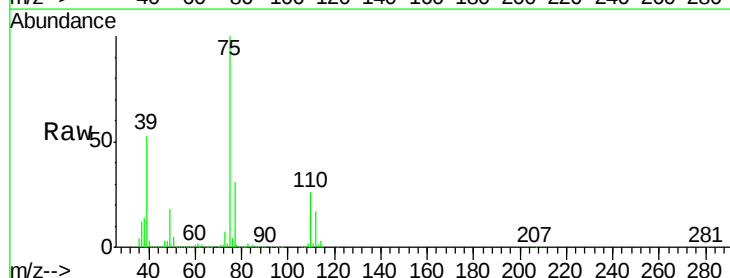
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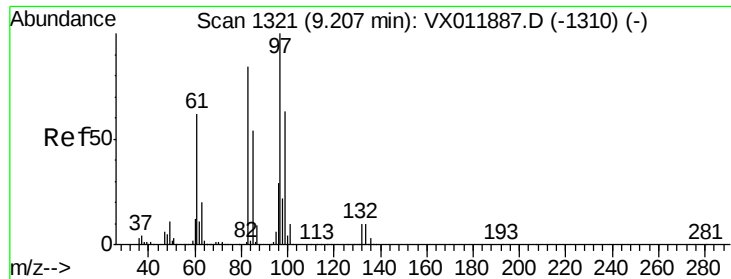
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.027 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3
39	52.7	42.6	64.0





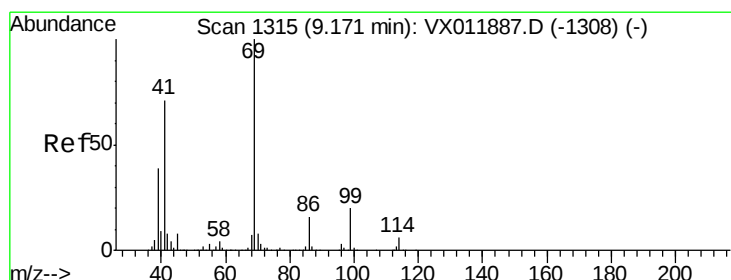
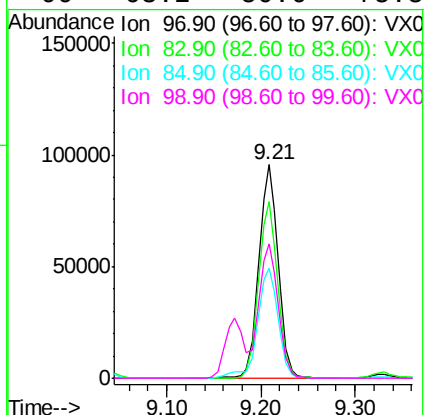
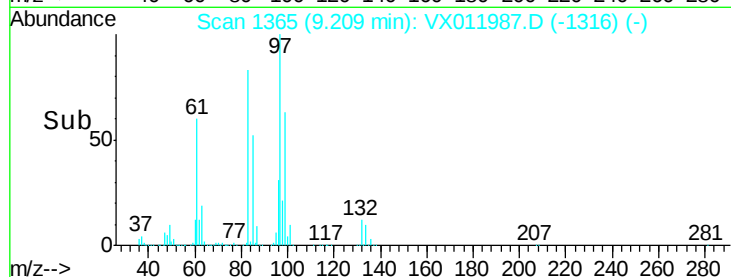
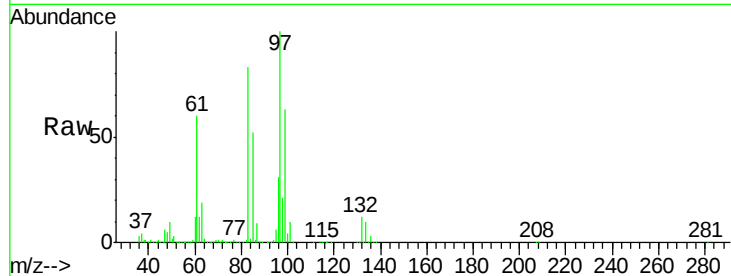
#55
 1,1,2-Trichloroethane
 Concen: 49.828 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	83.0	66.8	100.2		
85	51.5	43.5	65.3		
99	63.2	50.6	75.8		

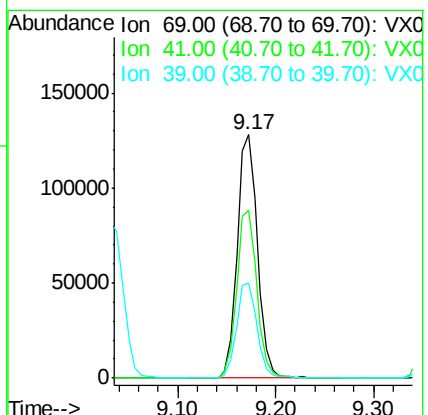
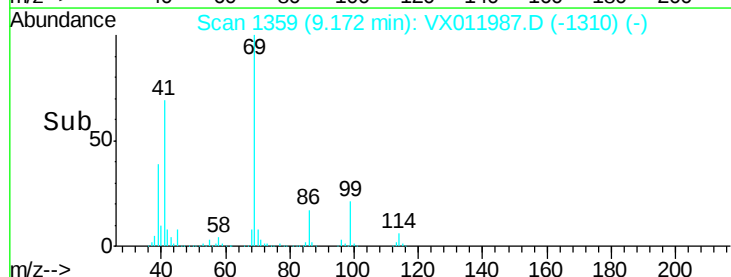
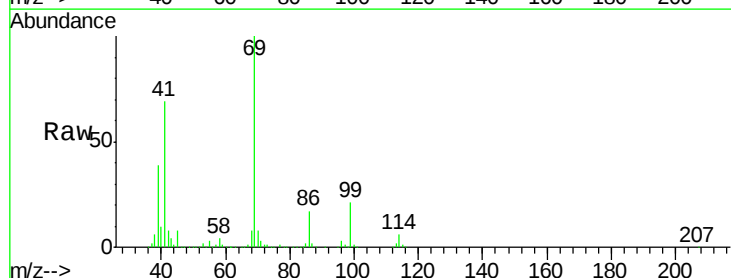
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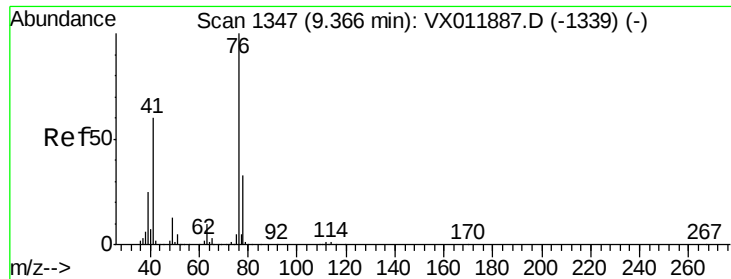
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#56
 Ethyl methacrylate
 Concen: 47.466 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	68.3	55.8	83.8		
39	39.0	31.1	46.7		





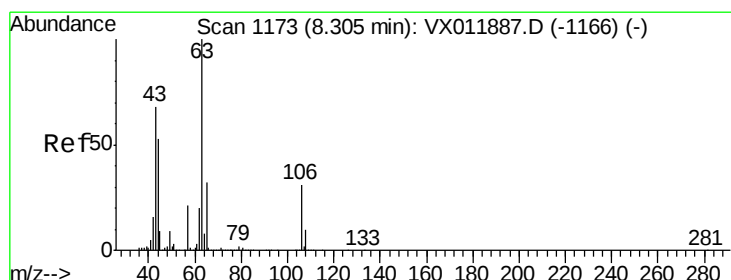
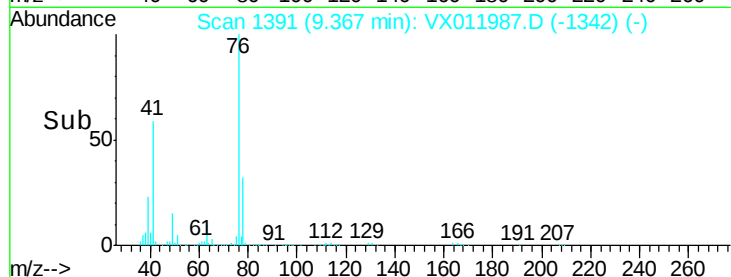
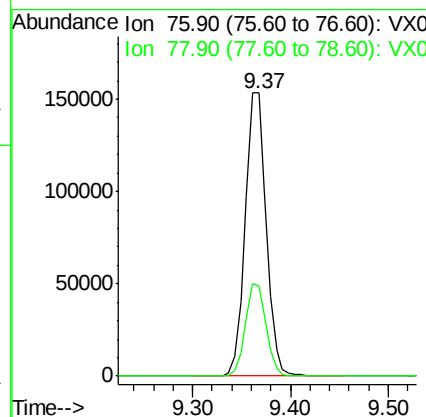
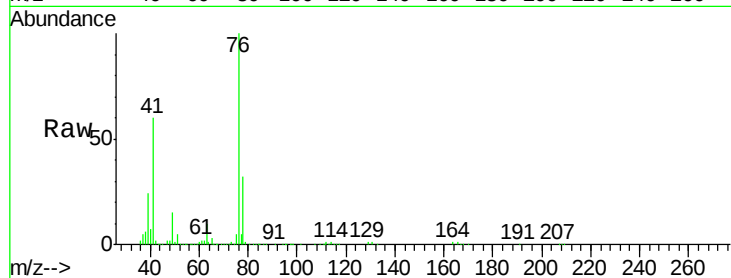
#57
 1,3-Dichloropropane
 Concen: 49.443 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.4	39.6

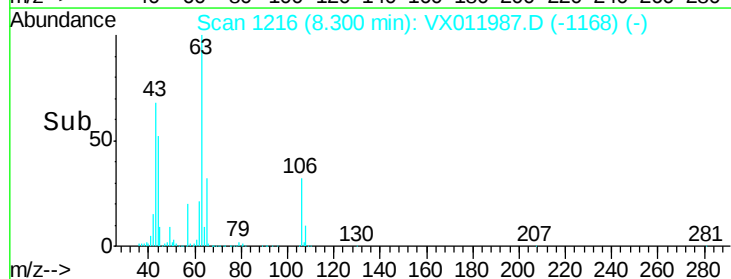
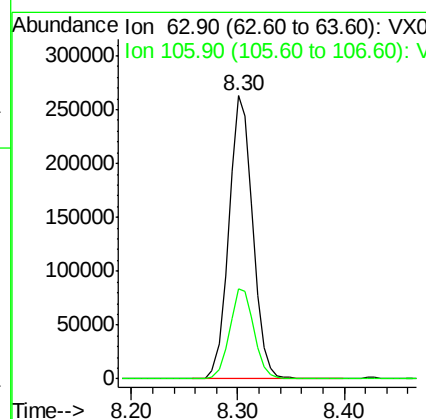
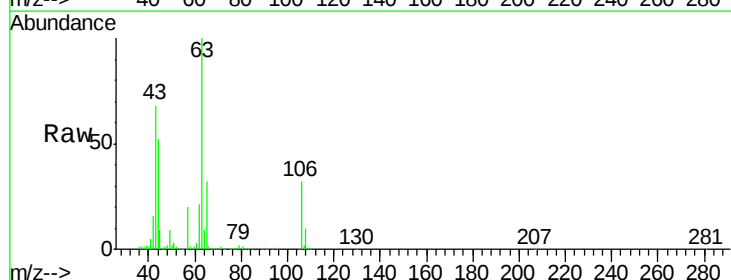
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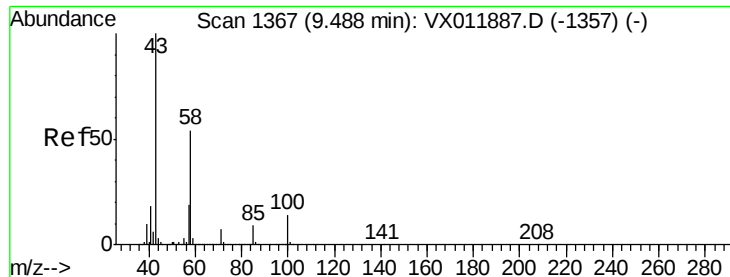
MMDadoda
 9/5/2019 2:04:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.834 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.5	24.8	37.2





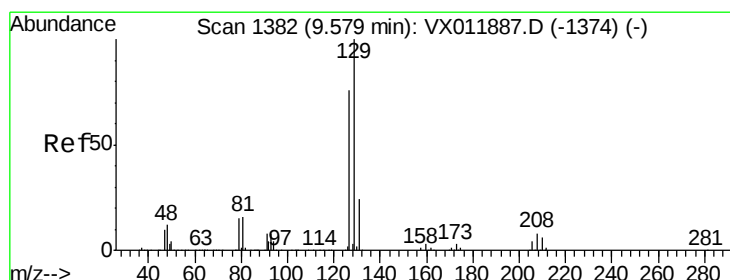
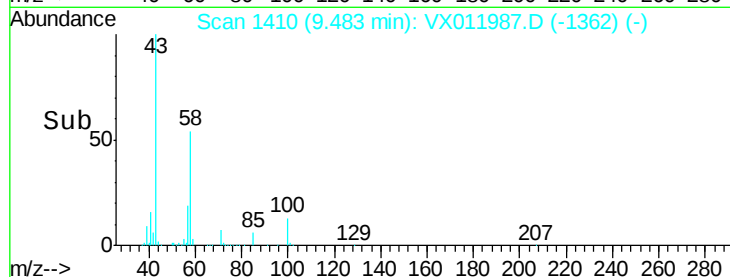
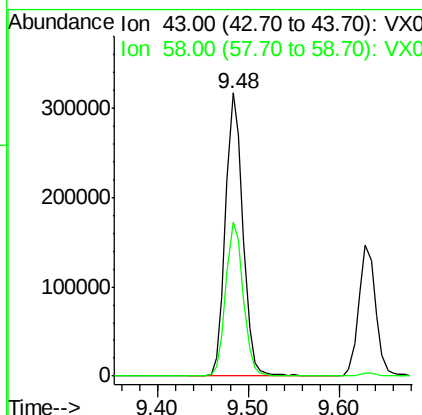
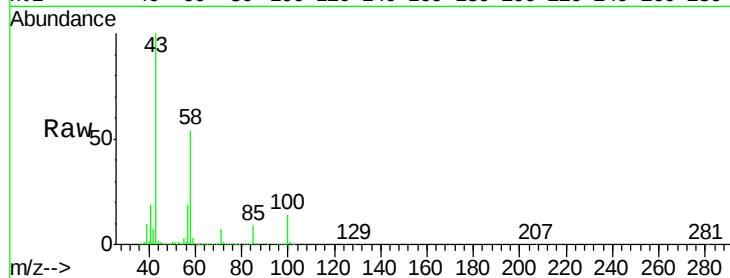
#59
2-Hexanone
Concen: 238.569 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 424206
Ion Ratio Lower Upper
43 100
58 54.6 26.8 80.4

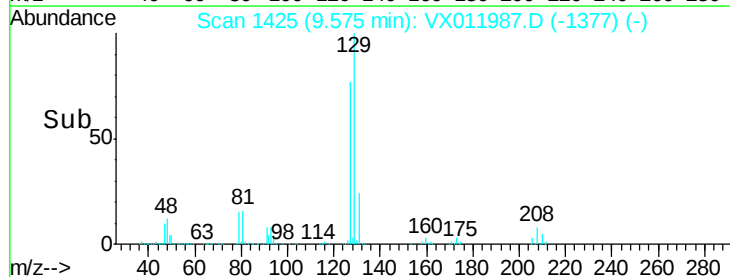
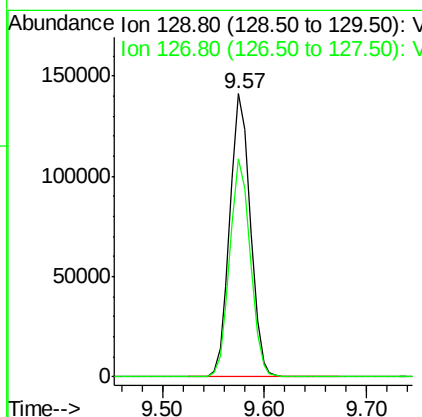
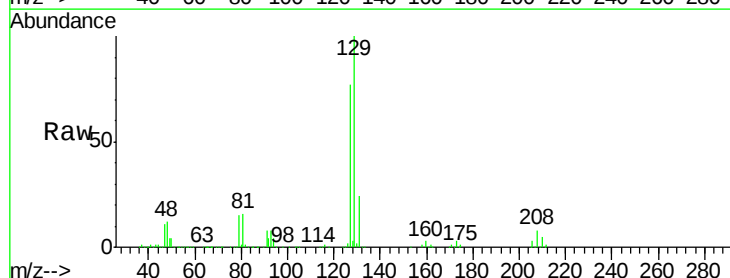
Manual Integrations
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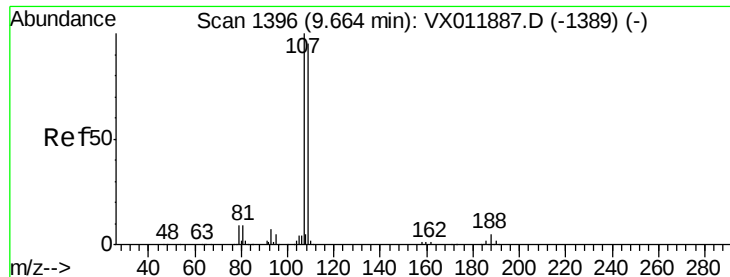
MMDadoda
9/5/2019 2:04:51 AM



#60
Dibromochloromethane
Concen: 52.485 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 12:36

Tgt Ion: 129 Resp: 196343
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7





#61

1,2-Dibromoethane

Concen: 49.914 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 137837

Ion Ratio Lower Upper

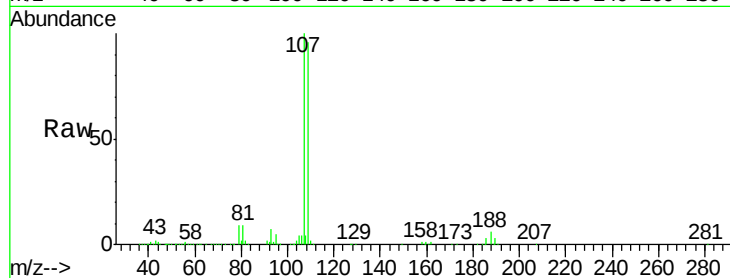
107 100

109 95.3 75.3 112.9

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

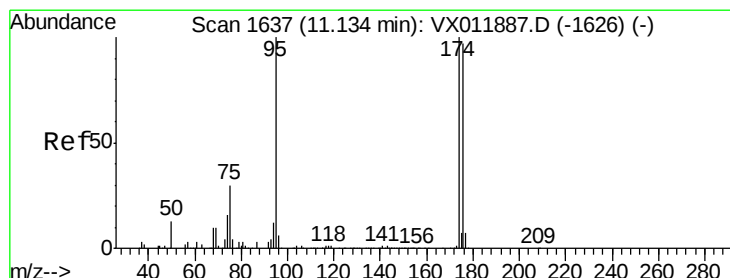
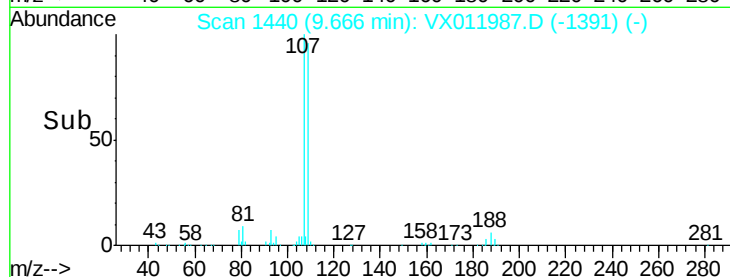
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.462 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

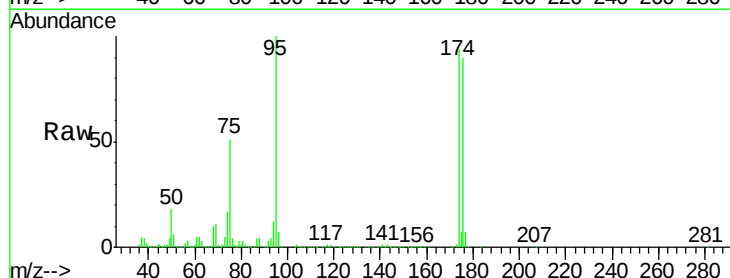
Tgt Ion: 95 Resp: 226487

Ion Ratio Lower Upper

95 100

174 103.1 0.0 196.0

176 100.4 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

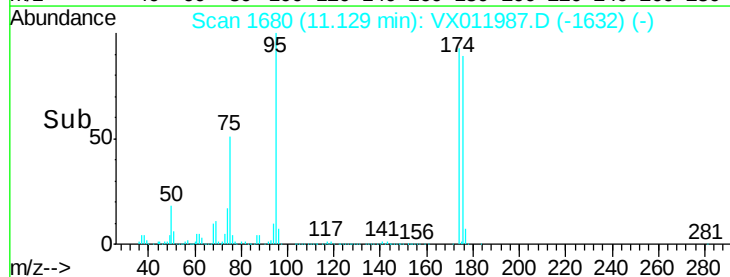
150000

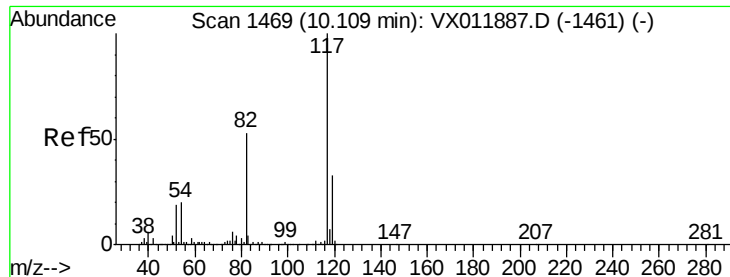
100000

50000

0

Time-->





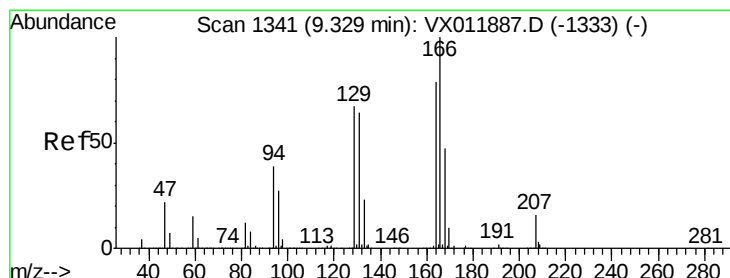
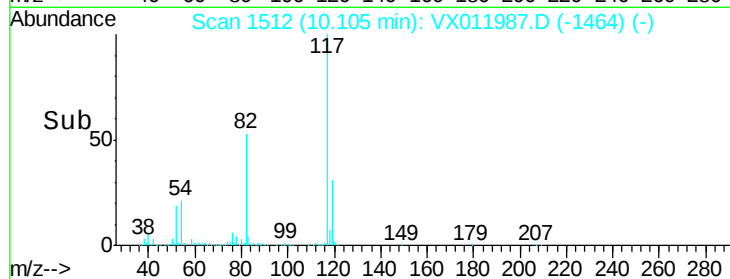
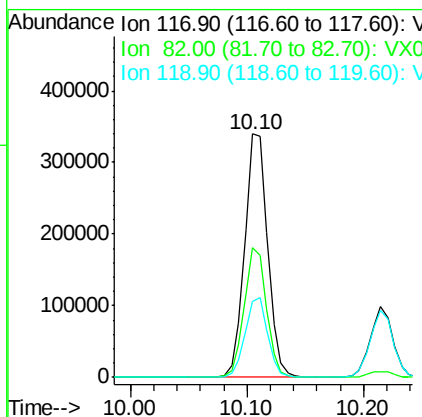
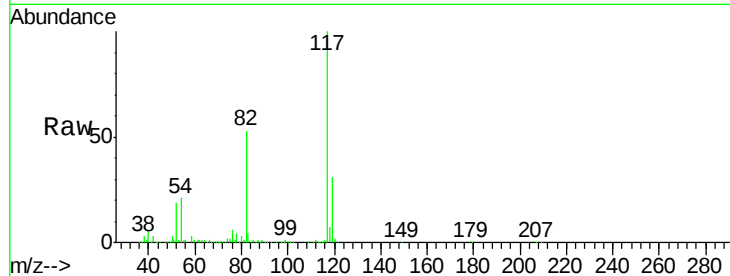
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.0	63.0
119	31.4	26.2	39.4

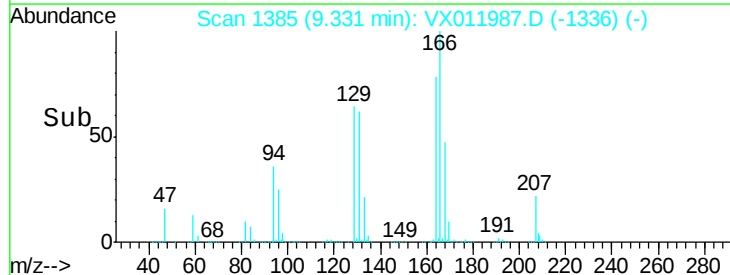
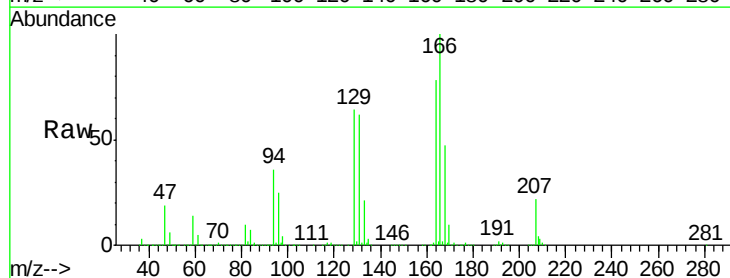
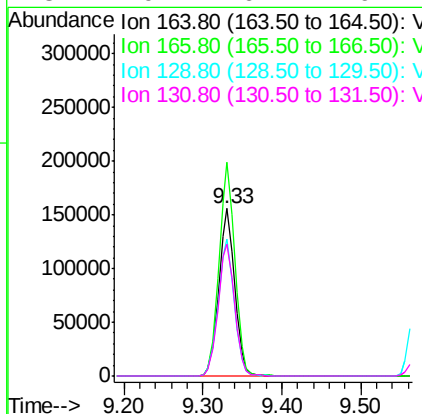
Manual Integrations
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9/5/2019 2:04:51 AM



#64
Tetrachloroethene
Concen: 57.961 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011887.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.4	152.0
129	81.8	68.0	102.0
131	79.2	64.7	97.1





#65

Chlorobenzene

Concen: 56.338 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 513946

Ion Ratio Lower Upper

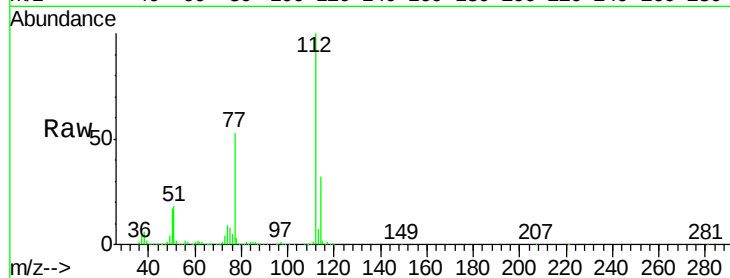
112 100

114 32.2 25.9 38.9

Manual Integrations
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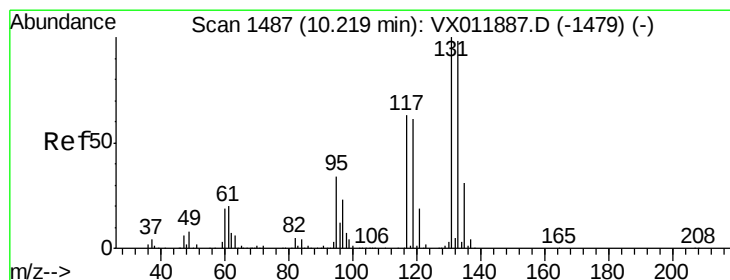
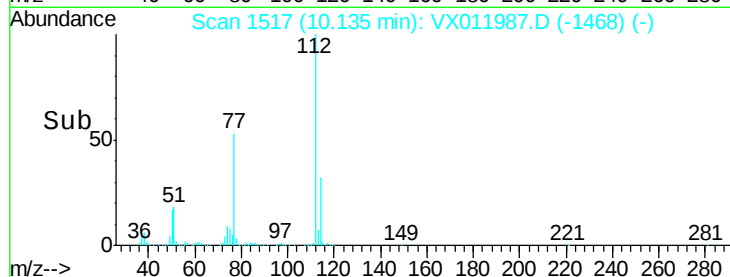
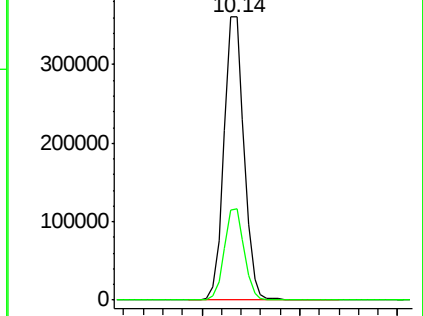
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.339 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 12:36

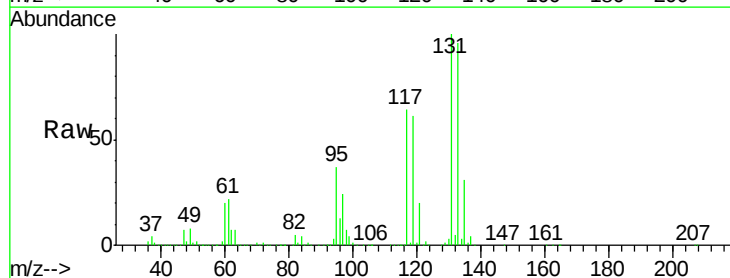
Tgt Ion:131 Resp: 207840

Ion Ratio Lower Upper

131 100

133 96.8 48.4 145.0

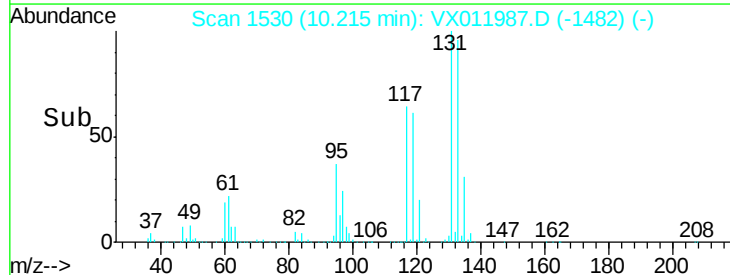
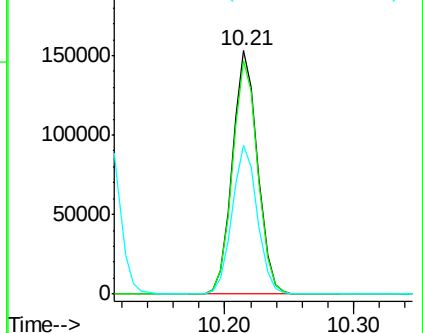
119 61.5 30.6 92.0

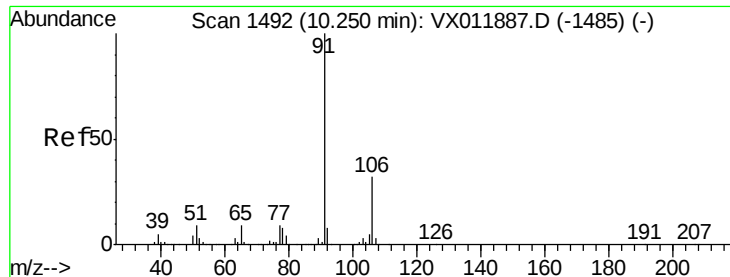


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 57.659 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 894732

Ion Ratio Lower Upper

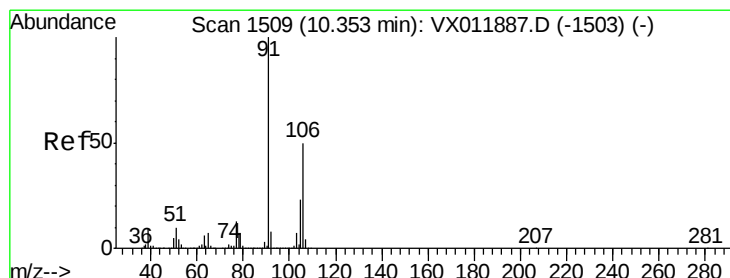
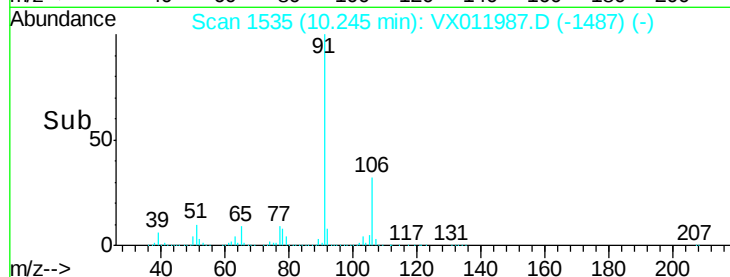
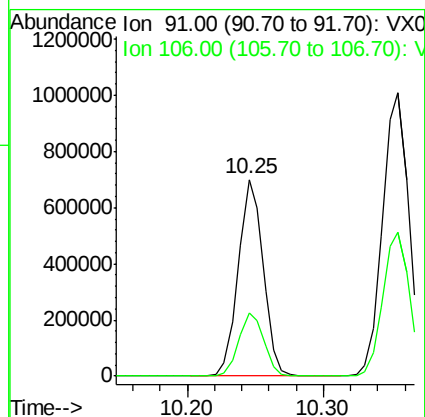
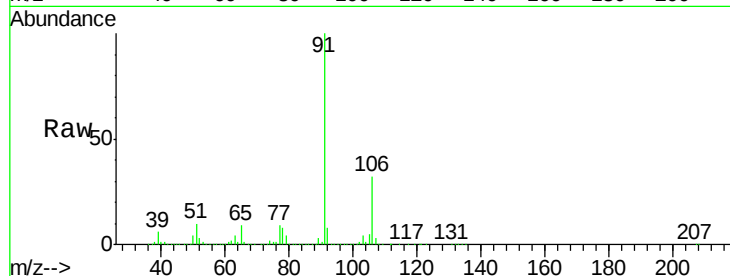
91 100

106 32.3 25.8 38.8

Manual Integrations
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9/5/2019 2:04:51 AM



#68

m/p-Xylenes

Concen: 116.351 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011887.D

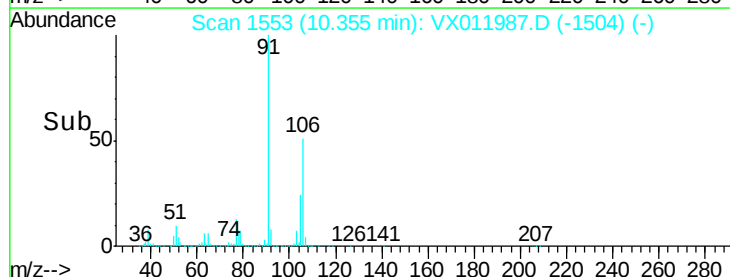
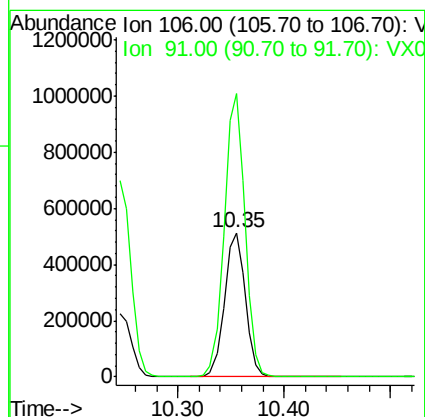
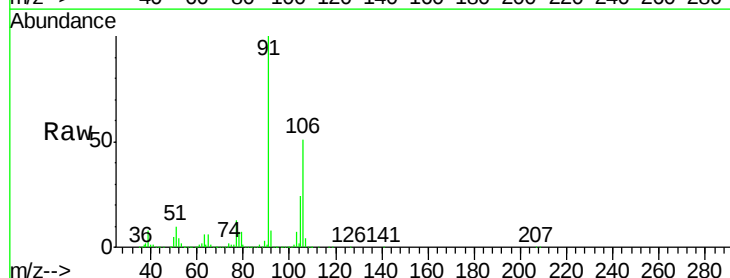
Acq: 01 Sep 2019 12:36

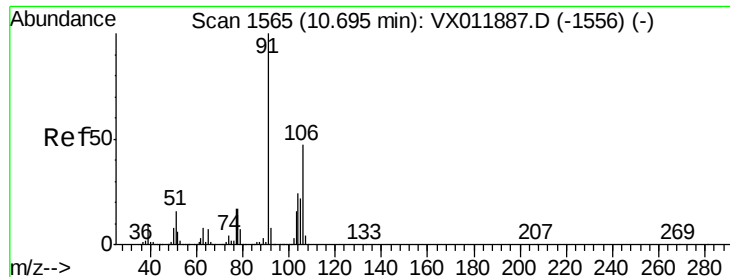
Tgt Ion: 106 Resp: 697166

Ion Ratio Lower Upper

106 100

91 195.9 158.6 237.8





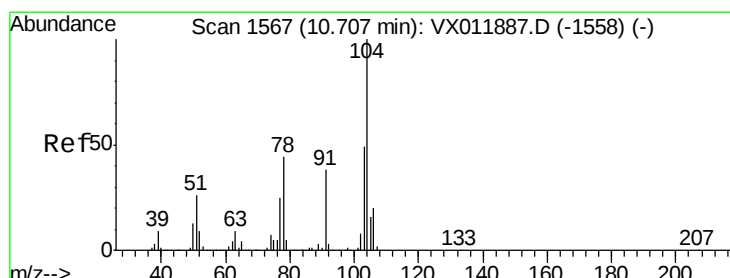
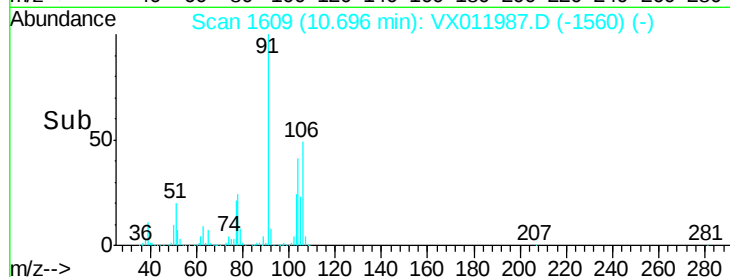
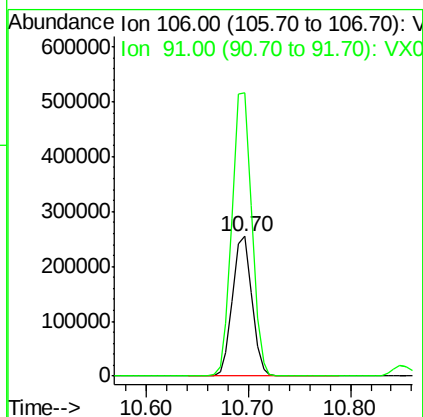
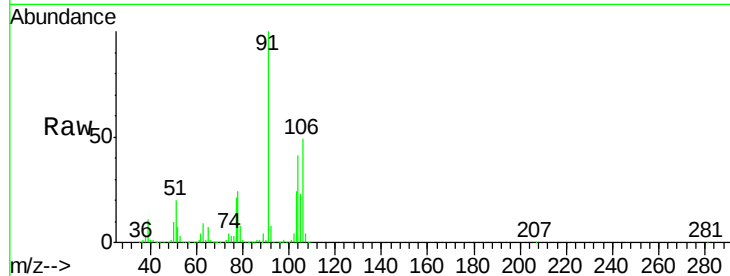
#69
o-Xylene
Concen: 56.875 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.1	104.8	314.6

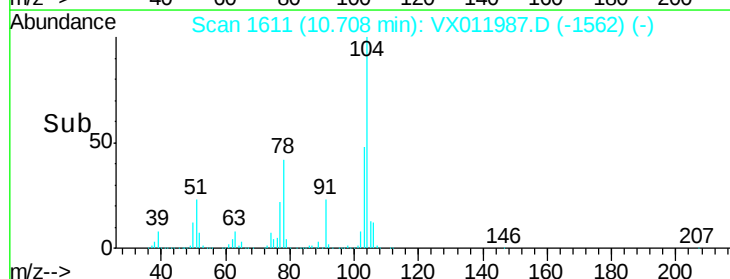
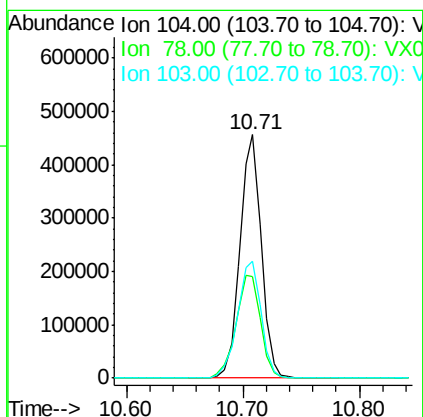
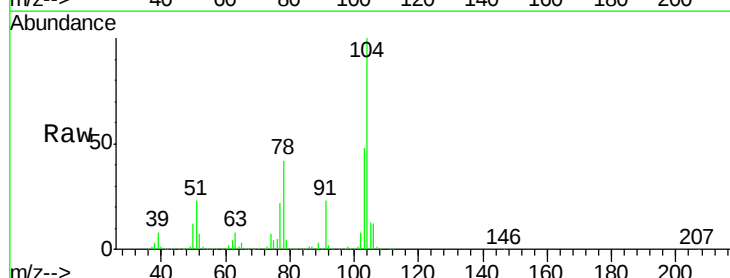
Manual Integrations
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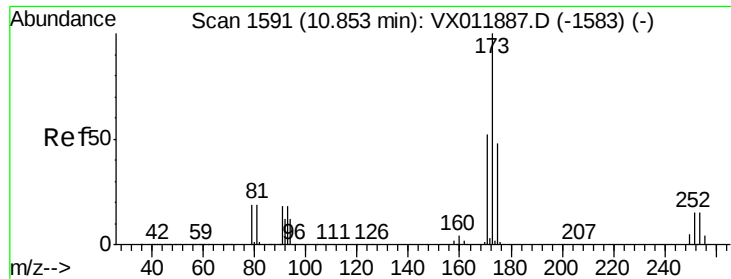
MMDadoda
9/5/2019 2:04:51 AM



#70
Styrene
Concen: 56.609 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.2	58.8
103	53.3	43.0	64.6





#71

Bromoform

Concen: 54.366 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

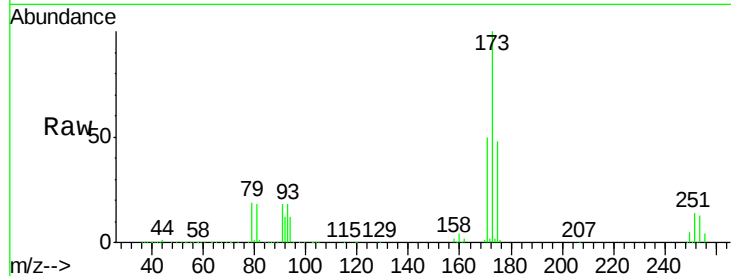
ClientSampleId :

VSTDCCC050

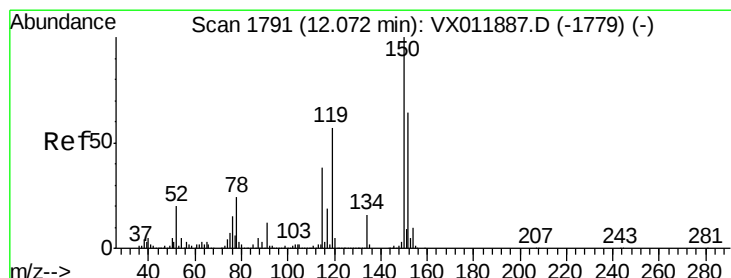
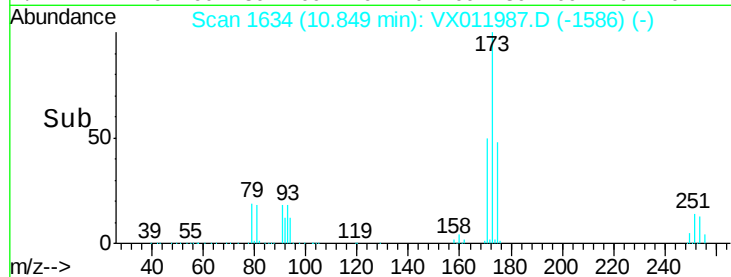
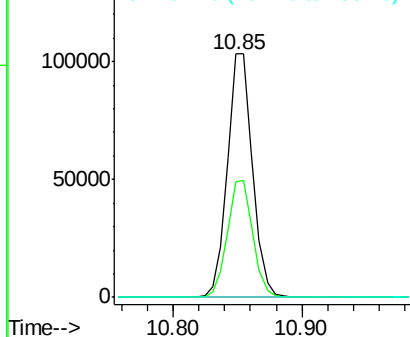
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.2	0.1	0.1#

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

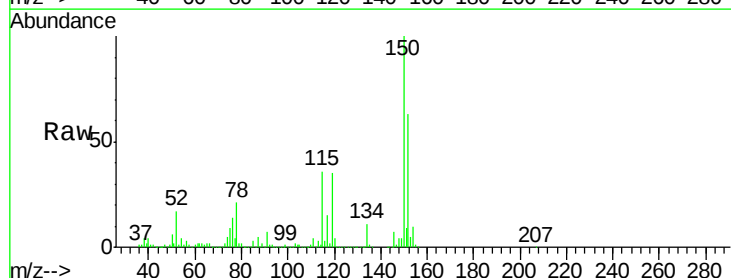
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

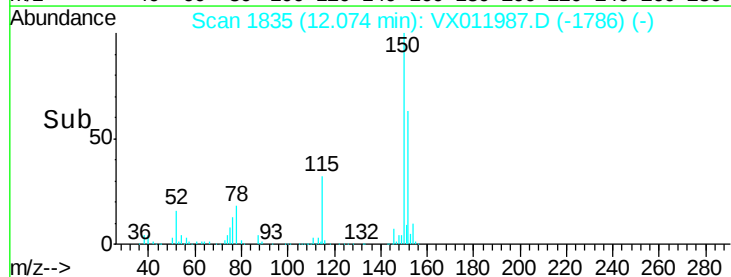
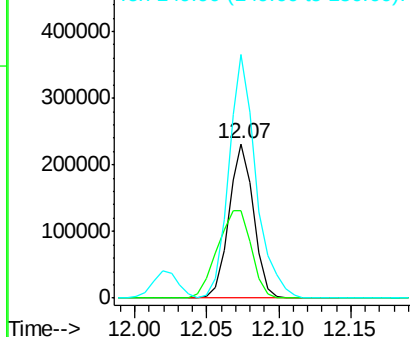
Lab File: VX011987.D

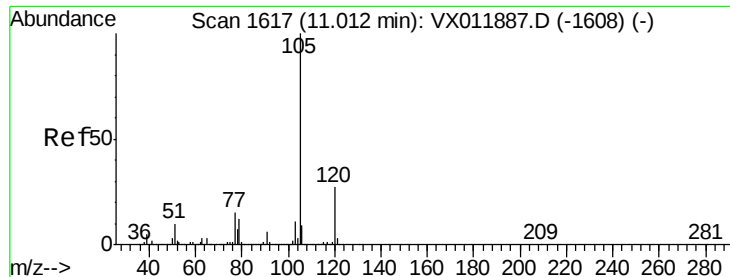
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.7	37.1	111.3
150	173.2	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: 59.293 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 947712

Ion Ratio Lower Upper

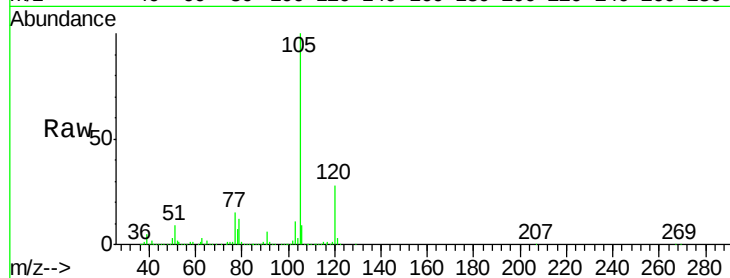
105 100

120 27.6 13.8 41.4

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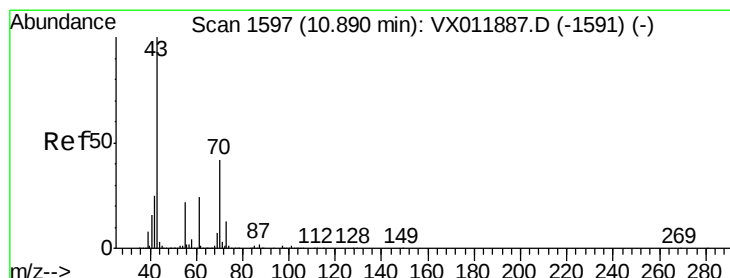
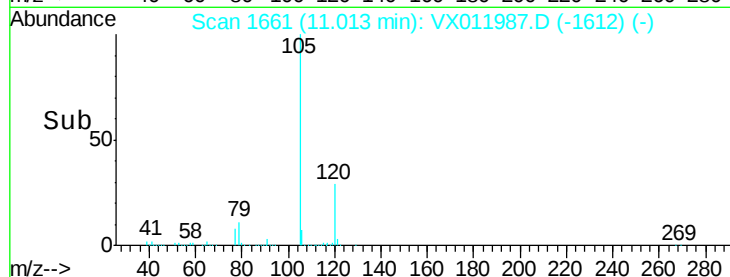
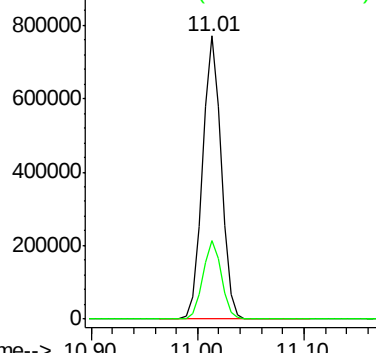
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.462 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011887.D

Acq: 01 Sep 2019 12:36

Tgt Ion: 43 Resp: 220384

Ion Ratio Lower Upper

43 100

70 42.9 0.2 0.2#

55 23.1 0.1 0.1#

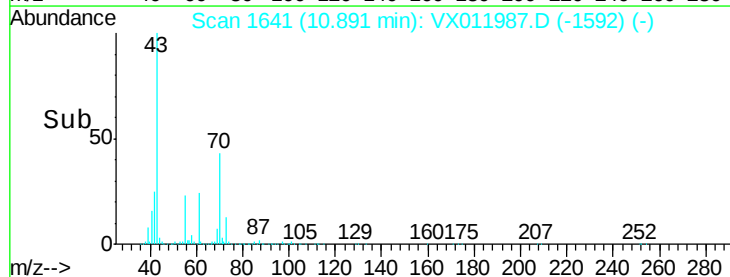
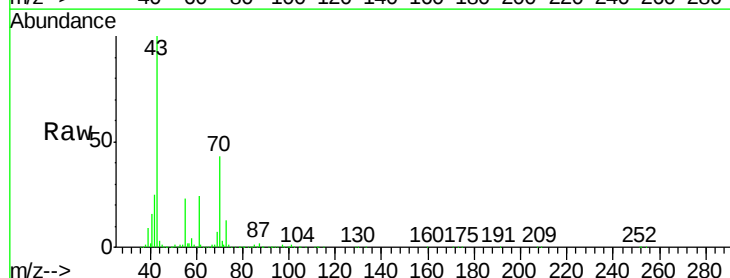
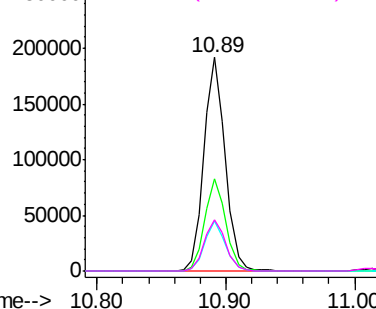
61 24.4 16.4 24.6

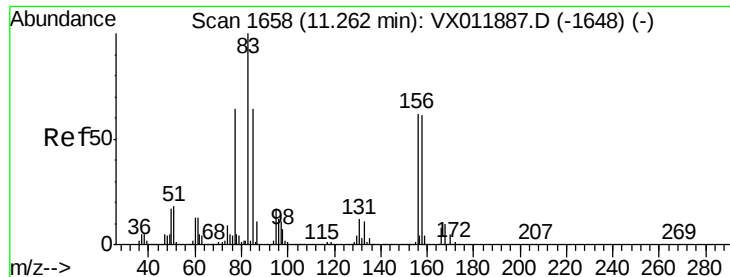
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.082 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

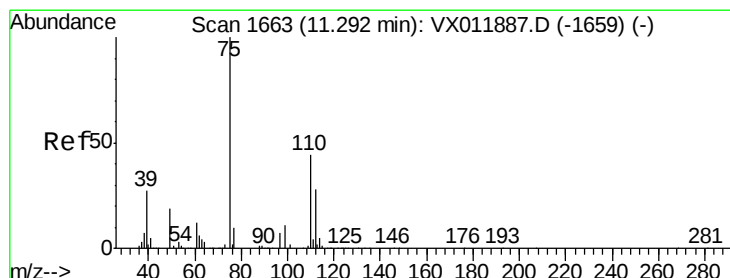
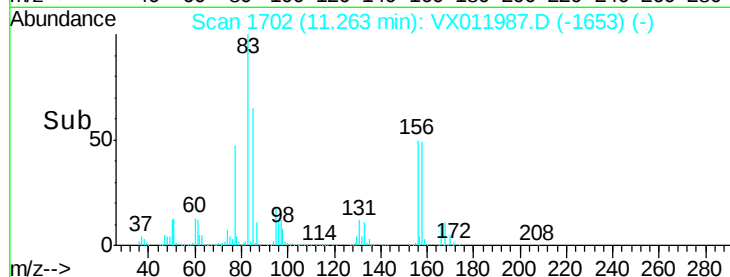
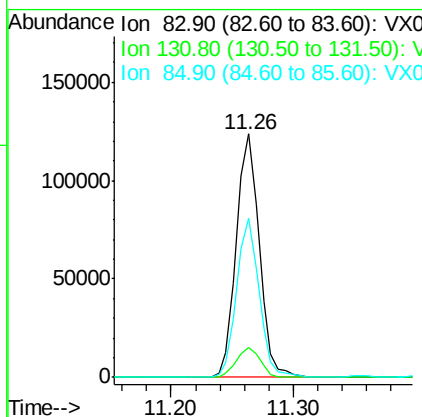
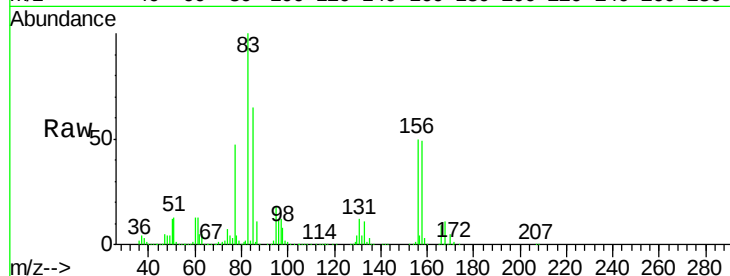
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	160554
Ion Ratio		Lower	Upper
83	100		
131	12.8	6.0	18.0
85	64.1	31.9	95.9

Manual Integrations
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9/5/2019 2:04:51 AM



#76

1,2,3-Trichloropropane

Concen: 43.770 ug/l m

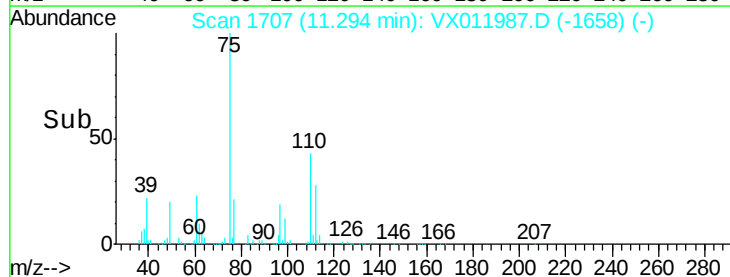
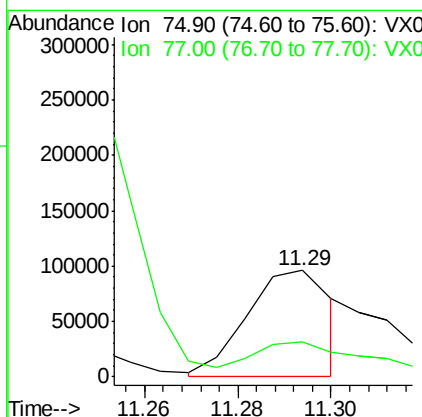
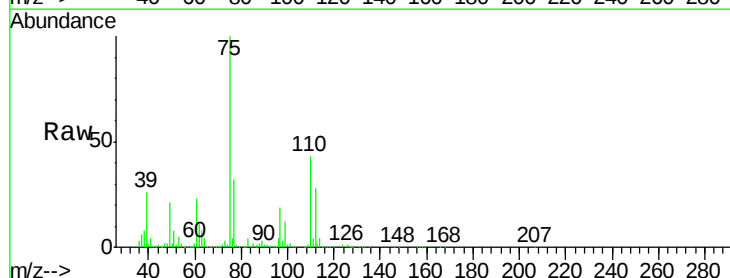
RT: 11.29 min Scan# 1707

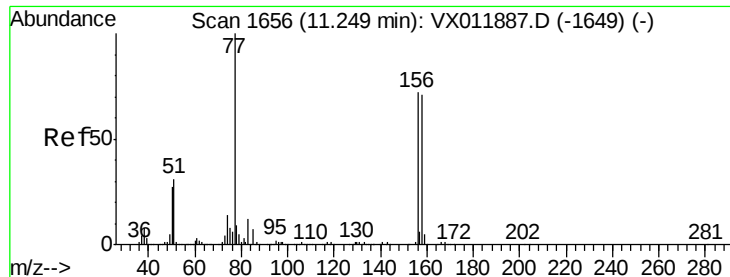
Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Tgt Ion:	75	Resp:	119775
Ion Ratio		Lower	Upper
75	100		
77	45.4	20.9	62.7





#77

Bromobenzene

Concen: 56.052 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Instrument :

MSVOA_X

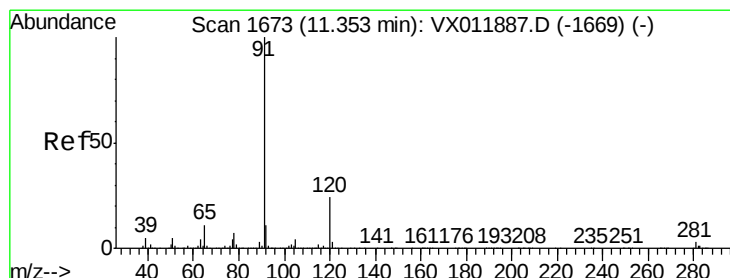
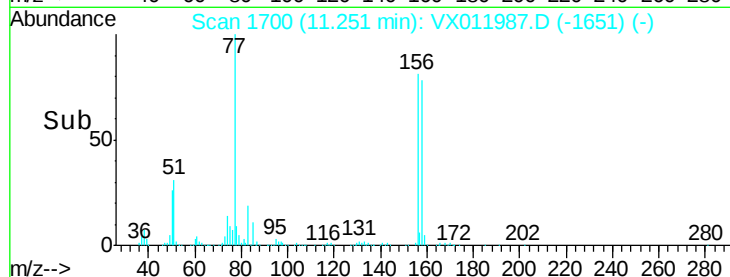
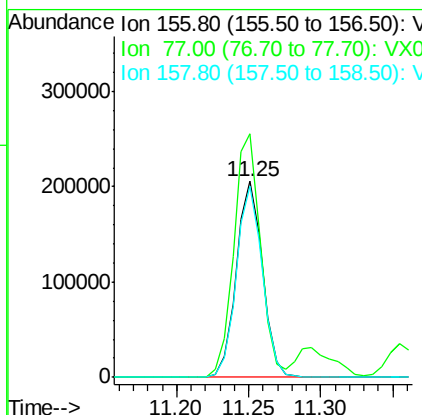
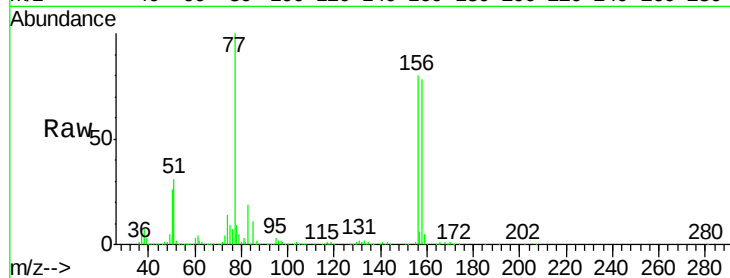
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	259834
Ion Ratio	Lower	Upper	
156	100		
77	127.7	68.1	204.3
158	96.9	48.9	146.8

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#78

n-propylbenzene

Concen: 59.143 ug/l

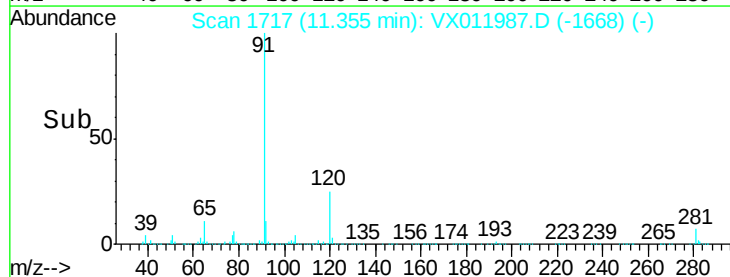
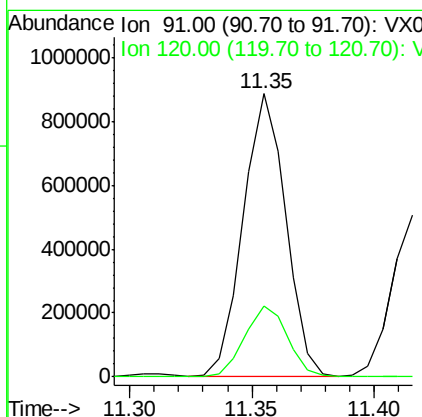
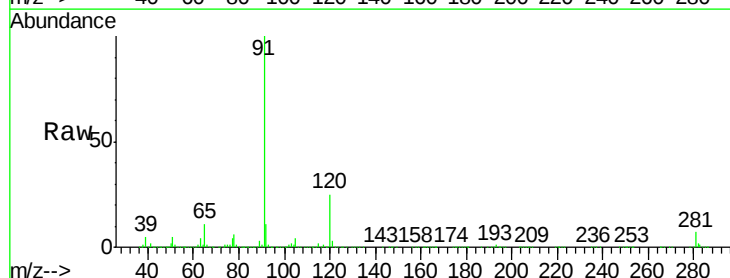
RT: 11.35 min Scan# 1717

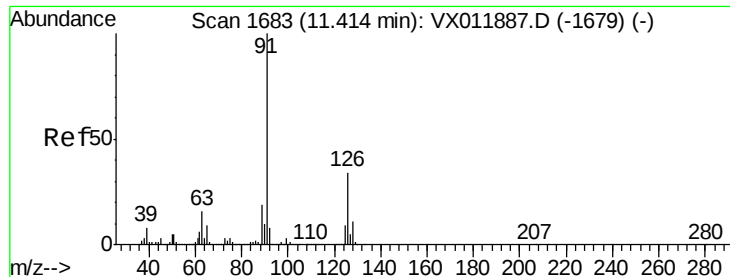
Delta R.T. 0.00 min

Lab File: VX011987.D

Acq: 01 Sep 2019 12:36

Tgt Ion:	91	Resp:	1071944
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.3	36.9





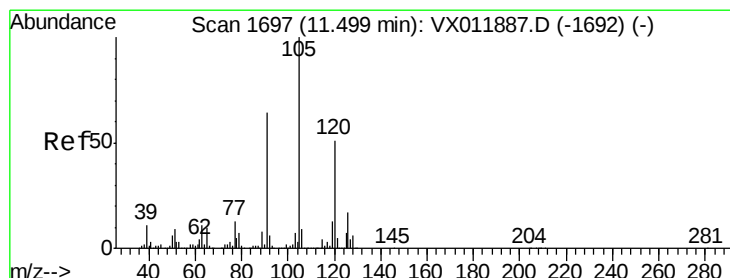
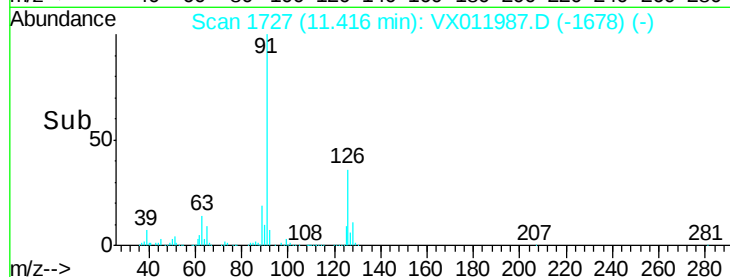
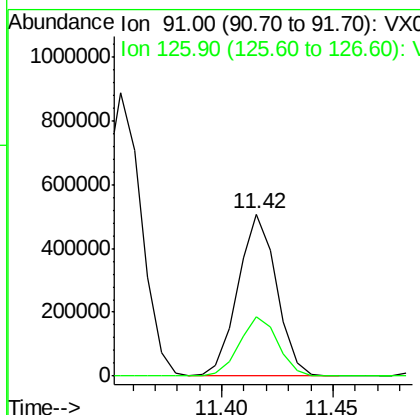
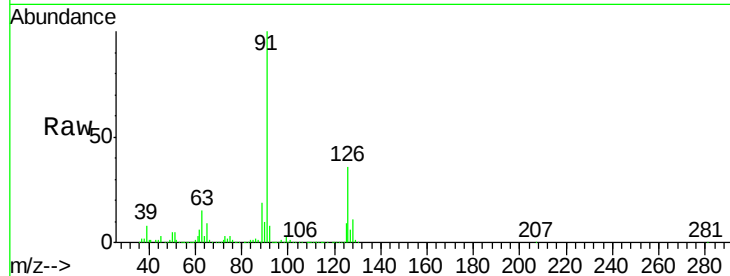
#79
2-Chlorotoluene
Concen: 56.156 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 612641
Ion Ratio Lower Upper
91 100
126 37.1 17.9 53.8

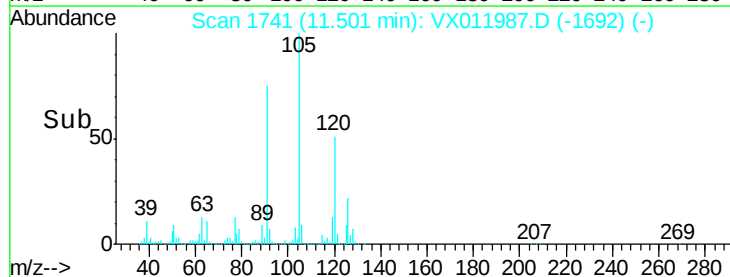
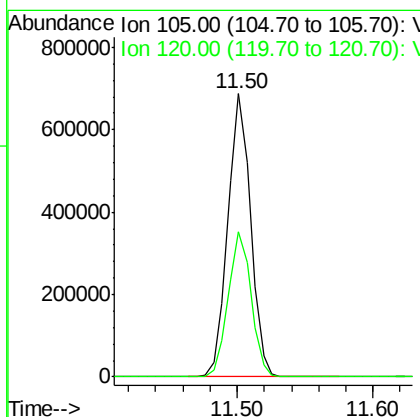
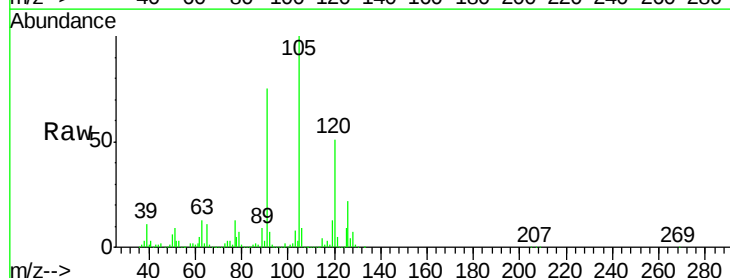
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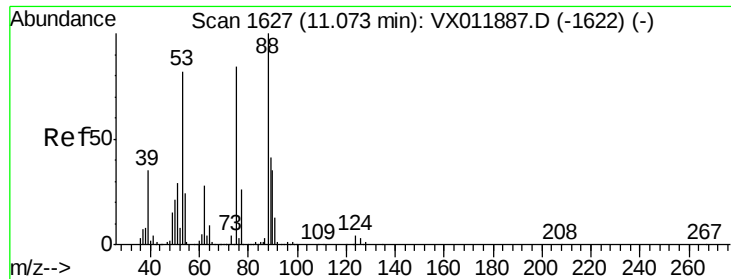
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#80
1,3,5-Trimethylbenzene
Concen: 57.910 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion: 105 Resp: 798930
Ion Ratio Lower Upper
105 100
120 51.5 25.3 75.9





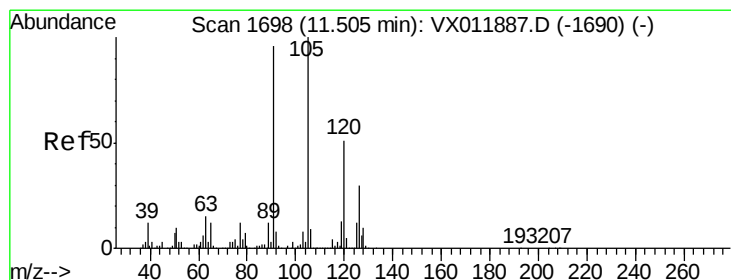
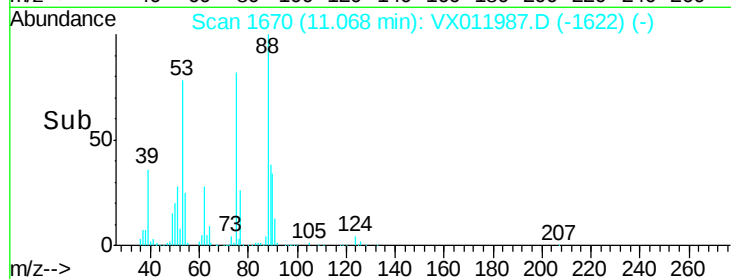
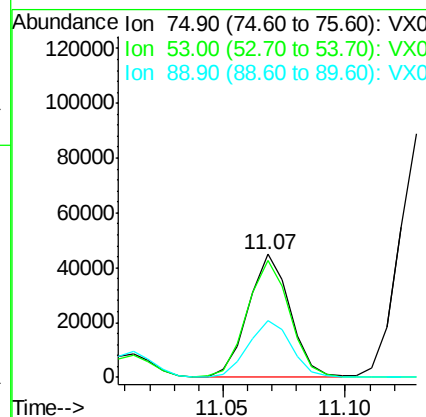
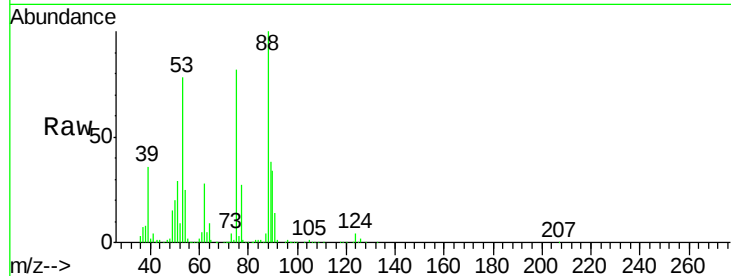
#81
trans-1,4-Dichloro-2-butene
Concen: 48.892 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.0	77.1	115.7
89	48.0	38.2	57.2

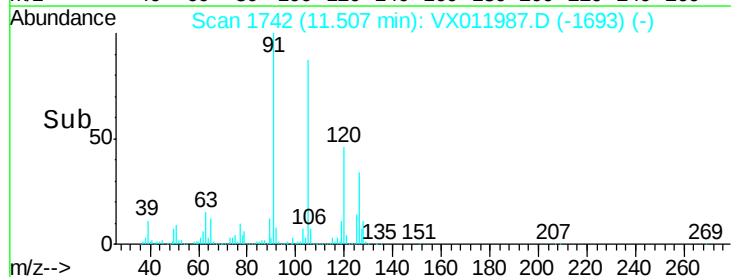
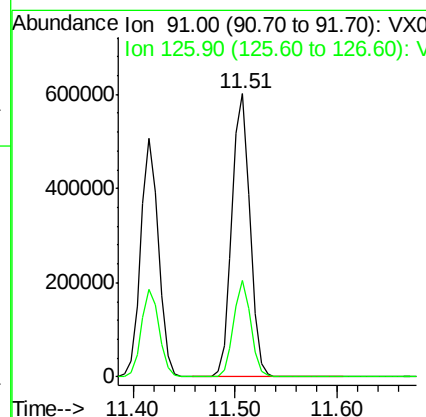
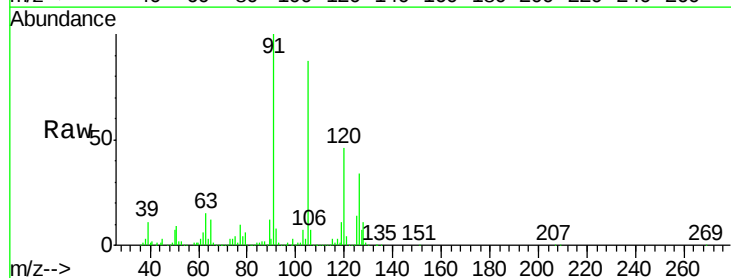
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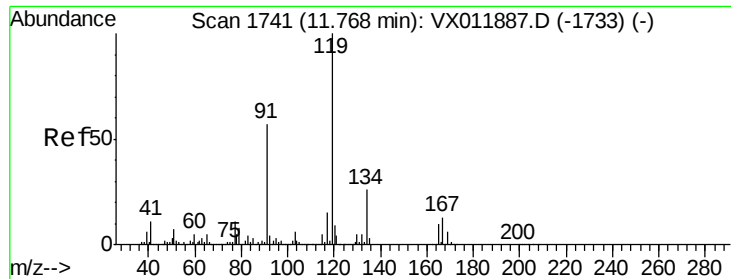
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#82
4-Chlorotoluene
Concen: 55.889 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.9	47.6





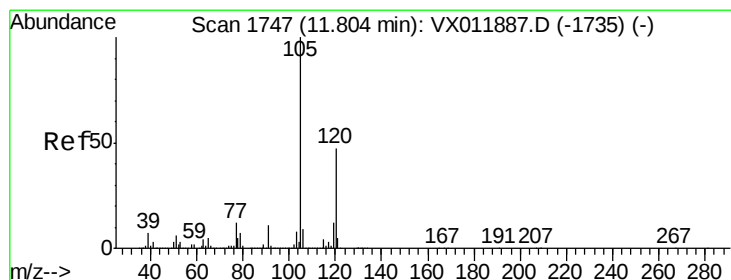
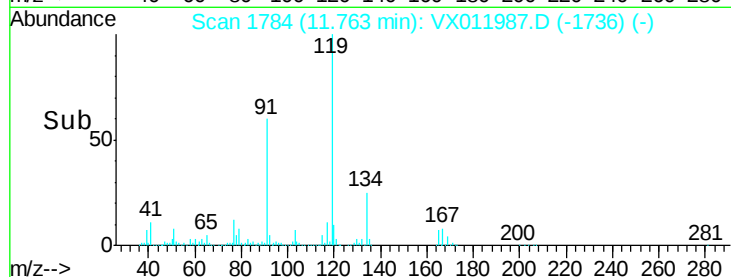
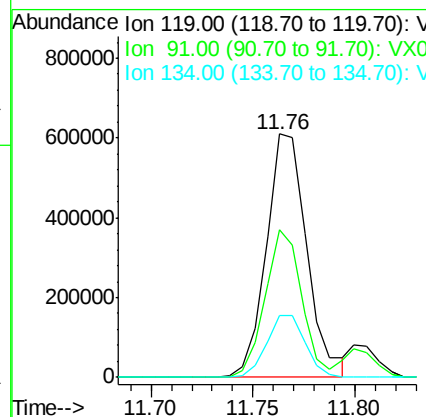
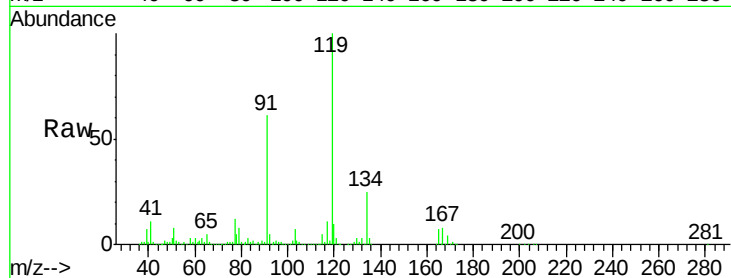
#83
 tert-Butylbenzene
 Concen: 60.474 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	846568		
91	54.8	27.9	83.6	
134	24.4	12.3	36.8	

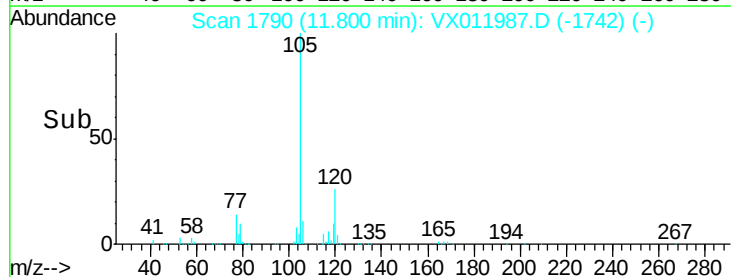
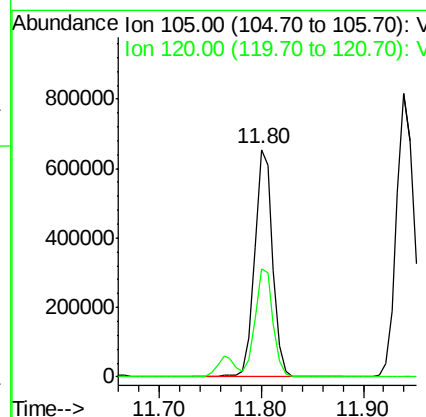
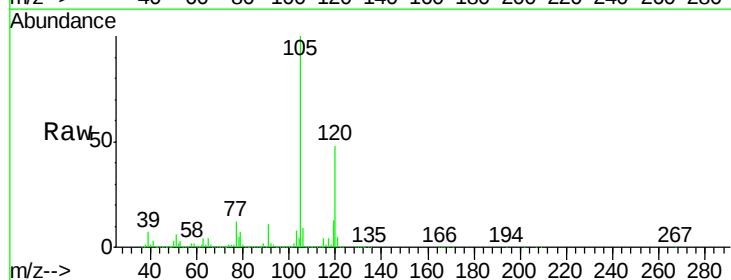
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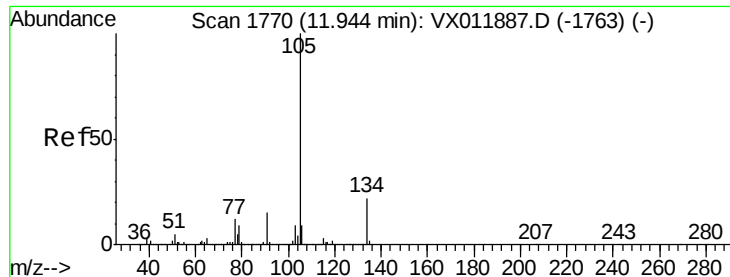
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.848 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	803762		
120	47.2	23.4	70.3	





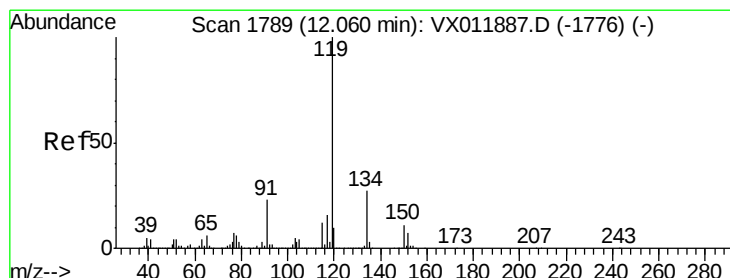
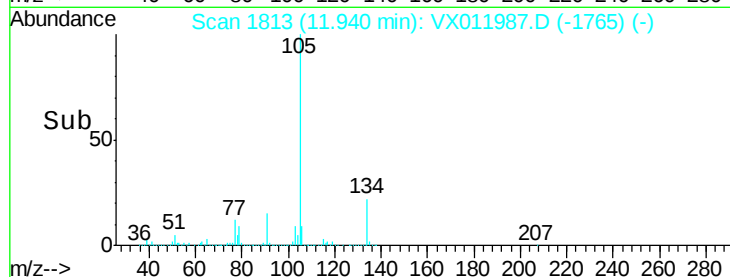
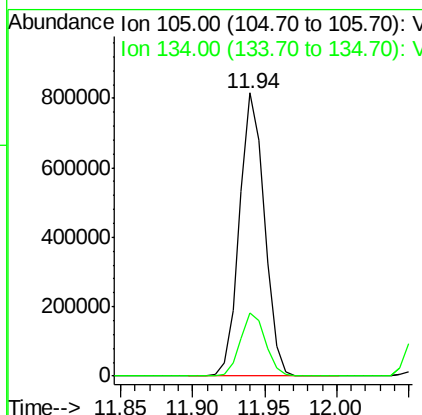
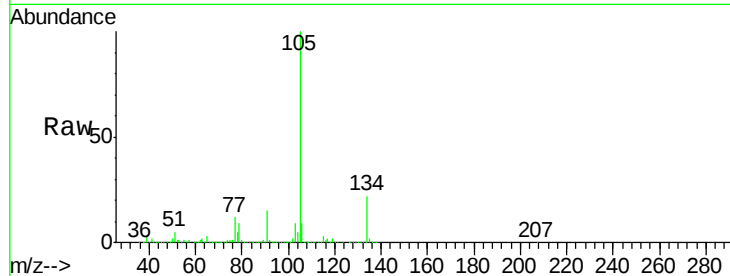
#85
 sec-Butylbenzene
 Concen: 60.587 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.4	10.9	32.7

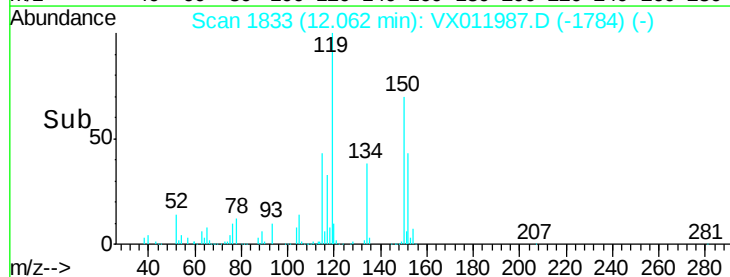
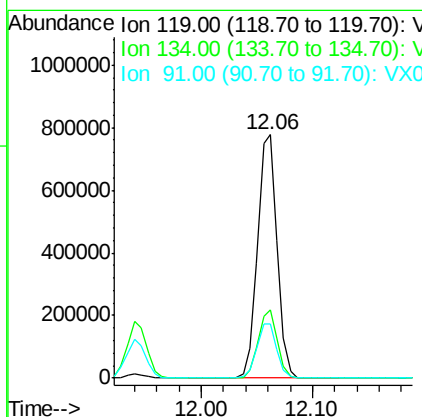
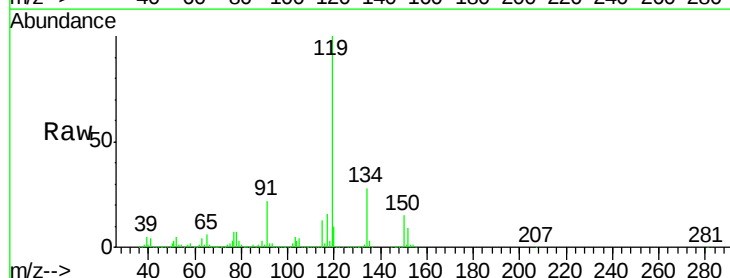
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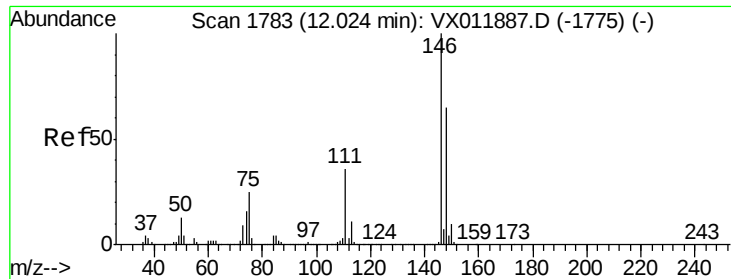
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#86
 p-Isopropyltoluene
 Concen: 60.370 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.7	41.0
91	22.7	11.6	34.7





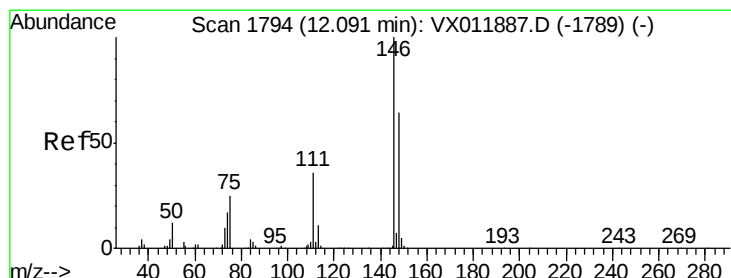
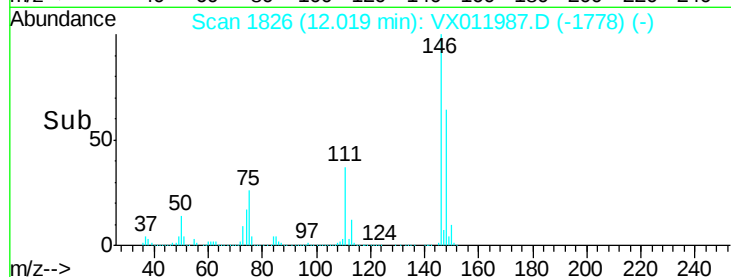
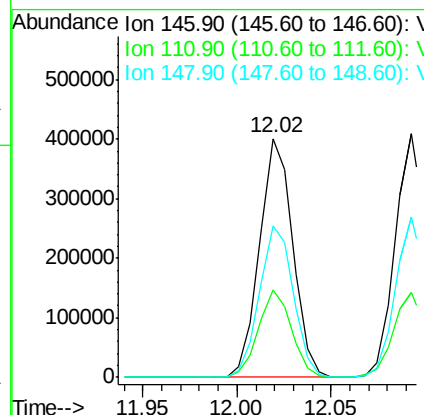
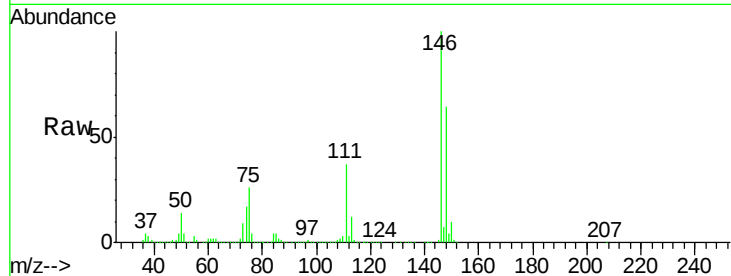
#87
 1,3-Dichlorobenzene
 Concen: 57.083 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	491785		
111	36.2	18.4	55.2	
148	64.7	32.1	96.5	

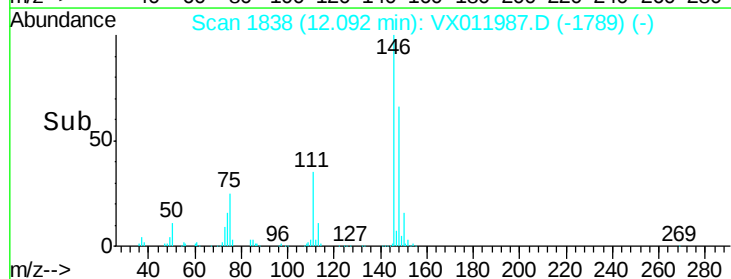
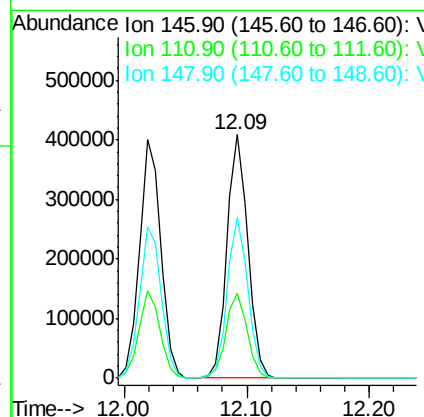
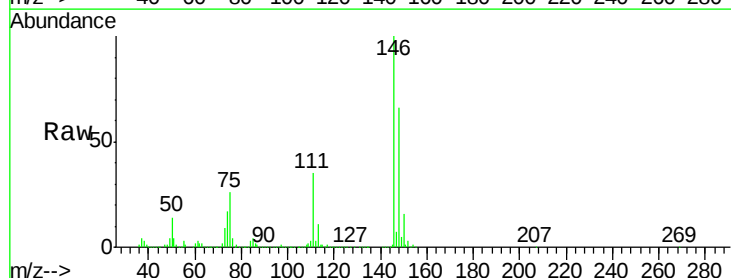
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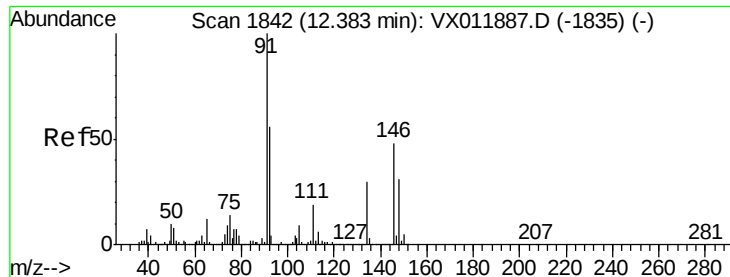
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#88
 1,4-Dichlorobenzene
 Concen: 55.472 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	483128		
111	35.8	17.9	53.7	
148	65.5	32.4	97.0	





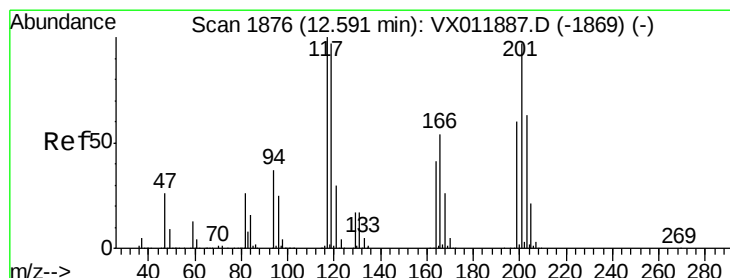
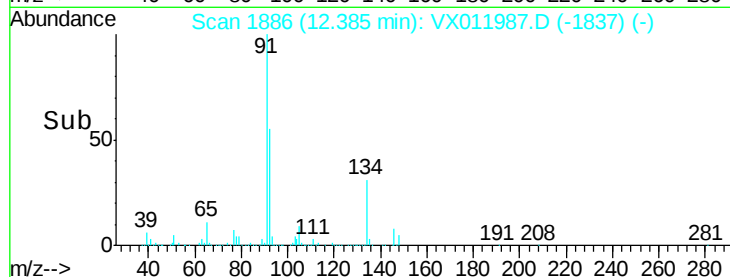
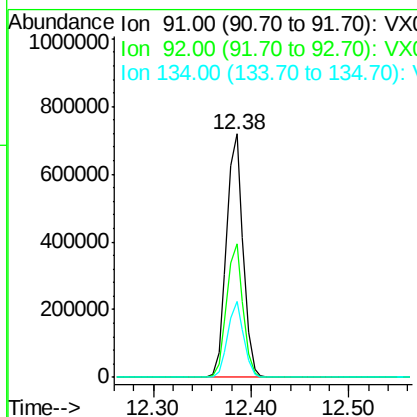
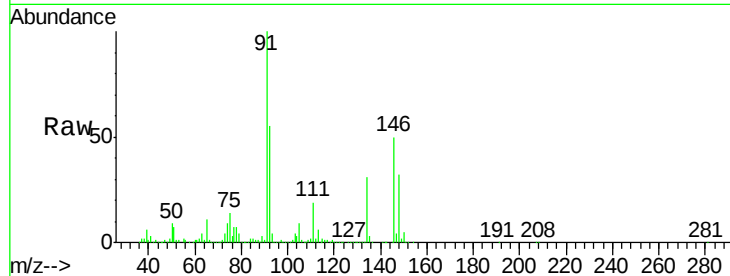
#89
n-Butylbenzene
Concen: 60.439 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.6	82.8
134	30.1	14.8	44.3

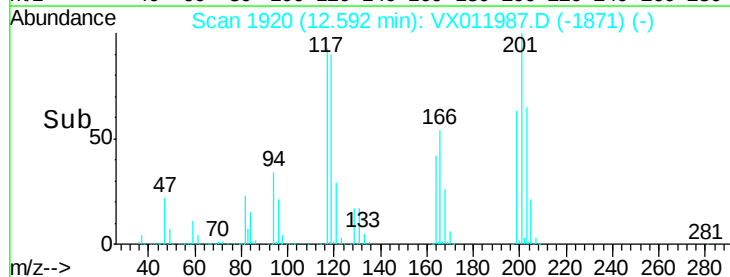
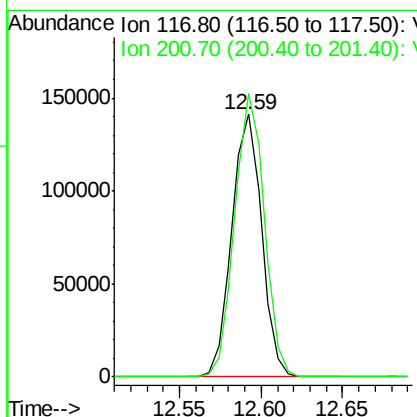
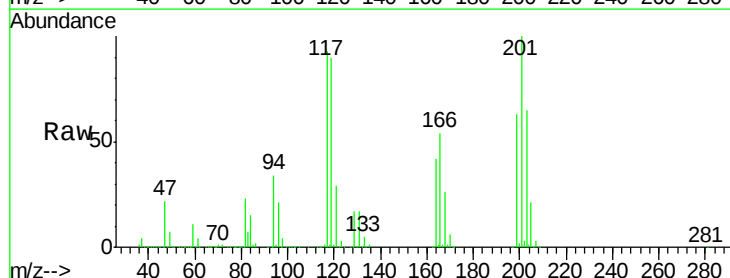
Manual Integrations
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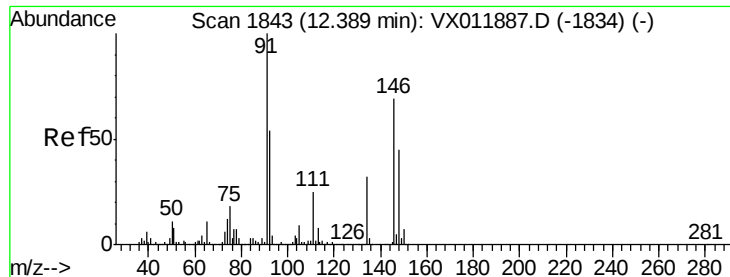
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#90
Hexachloroethane
Concen: 58.875 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.7	52.8	158.5





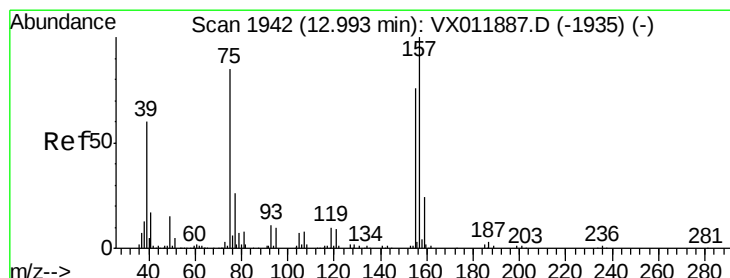
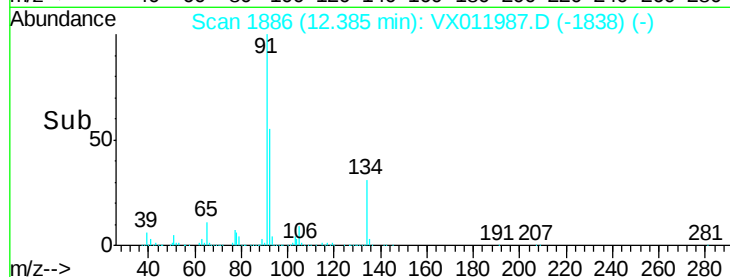
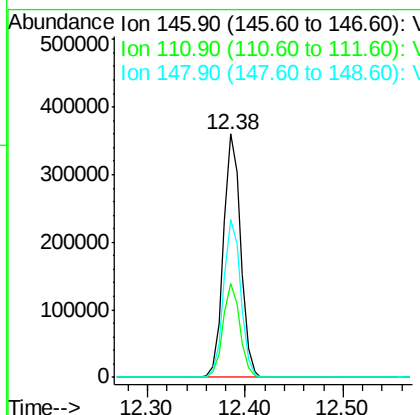
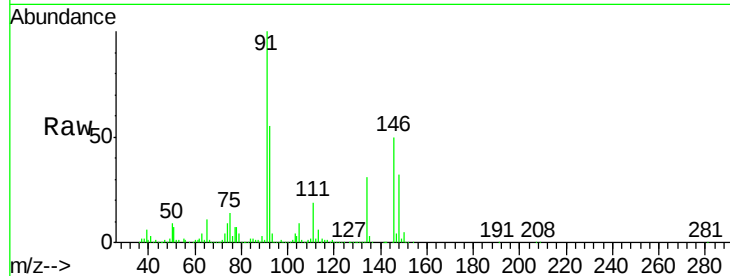
#91
 1,2-Dichlorobenzene
 Concen: 54.870 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.5
148	64.5	32.1	96.3

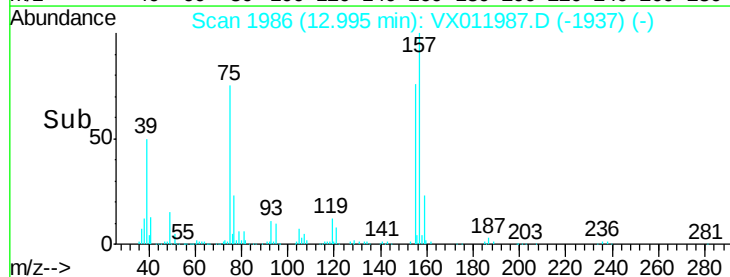
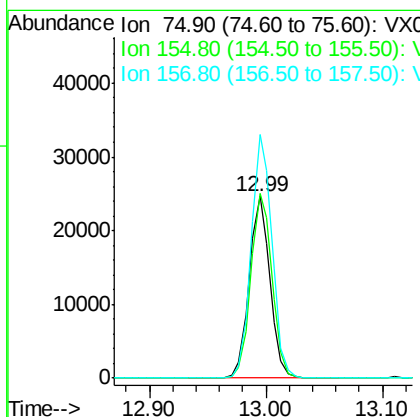
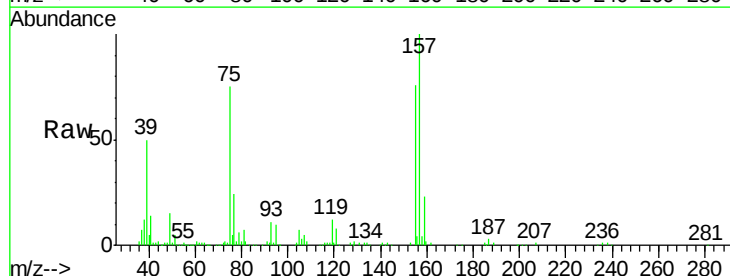
Manual Integrations
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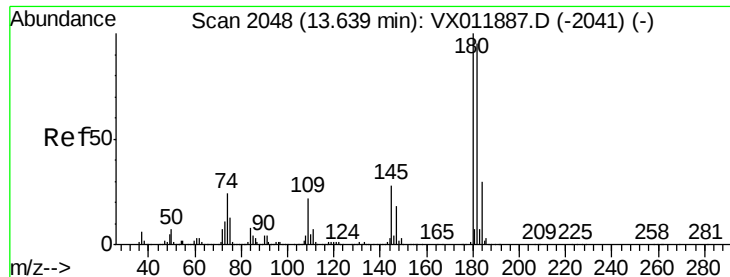
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.399 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	50.1	150.4
157	133.6	63.9	191.7





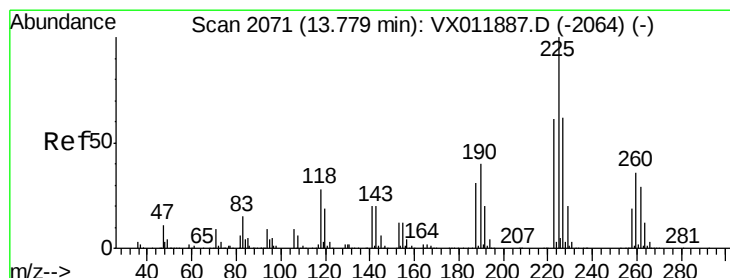
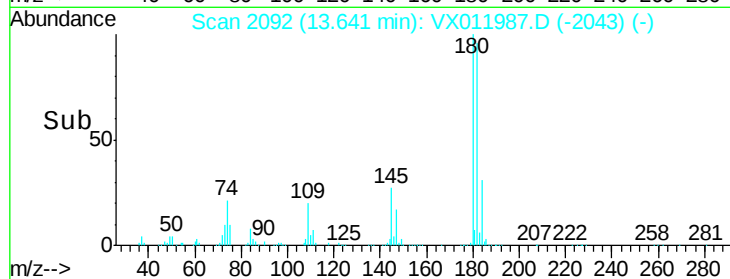
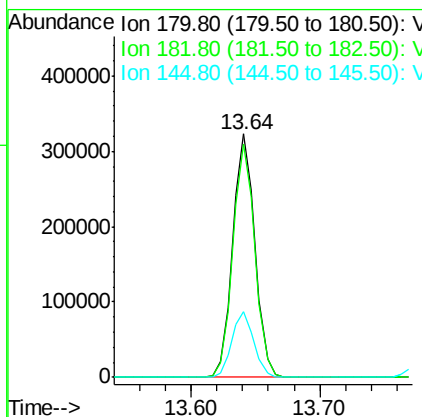
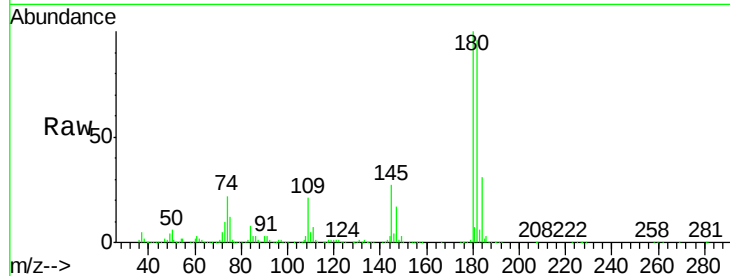
#93
 1,2,4-Trichlorobenzene
 Concen: 57.746 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	389469		
182	95.5	48.1	144.4	
145	26.9	13.8	41.3	

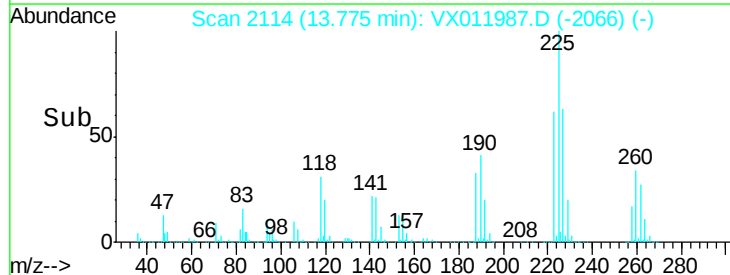
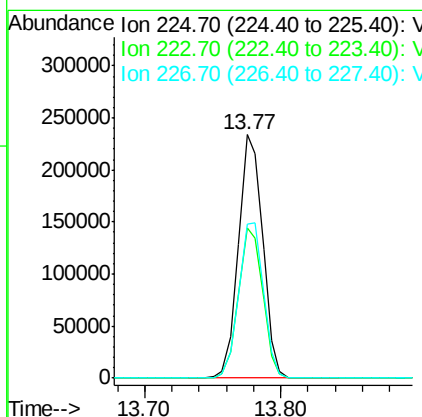
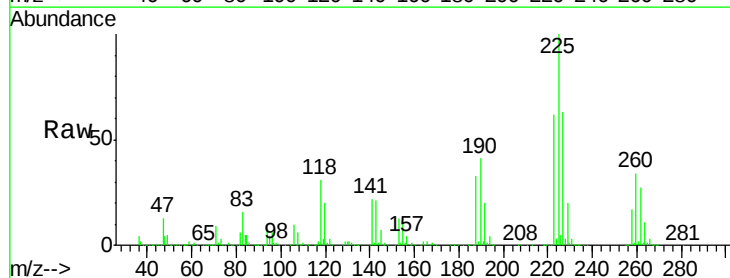
Manual Integrations
 APPROVED

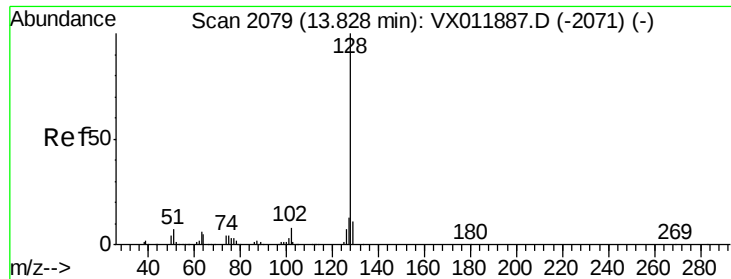
MMDadoda
 9/5/2019 2:04:51 AM



#94
 Hexachlorobutadiene
 Concen: 64.291 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011987.D
 Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	289576		
223	61.9	30.8	92.3	
227	65.2	31.9	95.7	





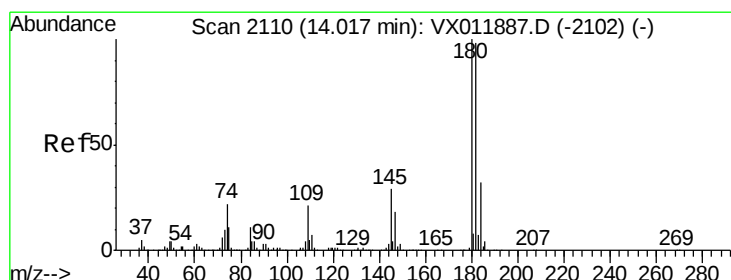
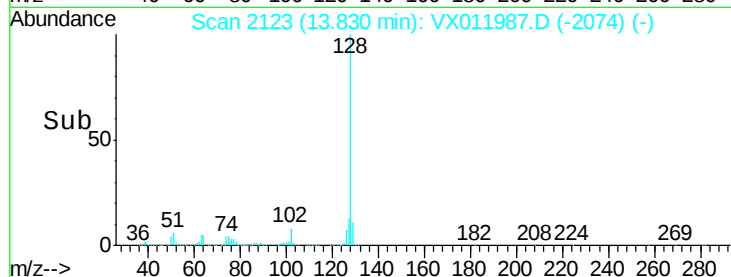
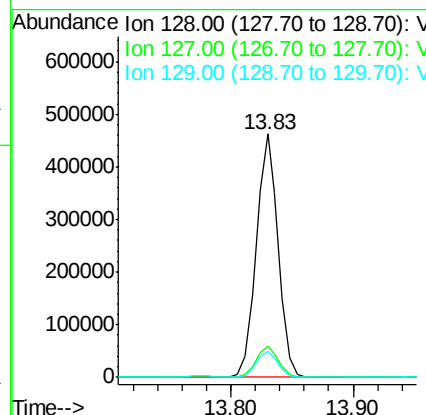
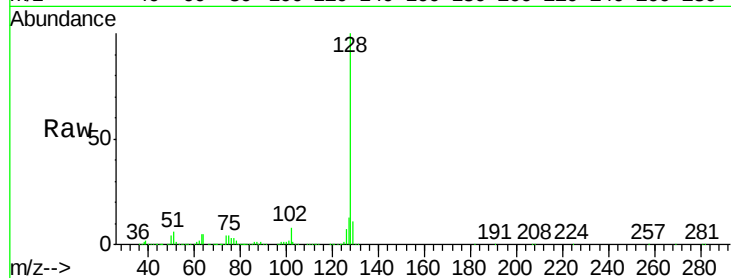
#95
Naphthalene
Concen: 49.444 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/5/2019 2:04:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.660 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX011987.D
Acq: 01 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.3	144.8
145	29.2	14.6	43.8

