

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032219\
 Data File : VX008335.D
 Acq On : 22 Mar 2019 13:19
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 9:33:56 AM

Quant Time: Mar 22 15:44:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 15:33:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	50949	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	274509	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	239661	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	103215	29.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.83%
60) 4-Bromofluorobenzene	11.13	95	117880	30.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.73%
63) Toluene-d8	8.71	98	321217	29.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	56134	20.534	ug/l 99
3) Chloromethane	1.33	50	55725	19.937	ug/l 100
4) Vinyl Chloride	1.41	62	61345	19.473	ug/l 95
5) Bromomethane	1.64	94	116341	20.372	ug/l 99
6) Chloroethane	1.73	64	37039	16.543	ug/l 96
7) Trichlorofluoromethane	1.93	101	94112	18.767	ug/l 96
8) Diethyl Ether	2.19	74	35916	18.467	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53932	19.446	ug/l 98
10) 1,1-Dichloroethene	2.38	96	53604	19.581	ug/l 97
11) Methyl Iodide	2.51	142	74748	18.062	ug/l 95
12) Methyl Acetate	2.77	43	55485	18.574	ug/l 100
13) Acrolein	2.29	56	58017	123.975	ug/l 99
14) Acrylonitrile	3.14	53	138771	93.607	ug/l 98
15) Acetone	2.45	58	49055	84.383	ug/l 93
16) Carbon Disulfide	2.57	76	150745	19.859	ug/l 100
17) Allyl chloride	2.73	41	77319	19.140	ug/l 98
18) Methylene Chloride	2.86	84	57042	19.356	ug/l 92
19) trans-1,2-Dichloroethene	3.17	96	56433	19.419	ug/l 96
20) Diisopropyl ether	3.85	45	159354	18.866	ug/l 90
21) 1,1-Dichloroethane	3.70	63	93933	18.830	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	65529	19.551	ug/l 99
23) tert-Butyl Alcohol	3.04	59	56263	93.485	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	169837	19.310	ug/l 97
25) Chloroform	5.21	83	100982	19.083	ug/l 91
26) Cyclohexane	5.57	56	87645	19.866	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	75126	19.269	ug/l 99
30) 2-Butanone	4.67	43	196558	87.527	ug/l 97
31) 2,2-Dichloropropane	4.58	77	70549	19.219	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	87958	19.173	ug/l 99
33) Carbon Tetrachloride	5.78	117	79722	18.922	ug/l 94
34) Benzene	6.14	78	221151	19.042	ug/l # 96
35) Methacrylonitrile	5.04	41	38105	18.216	ug/l 96
36) 1,2-Dichloroethane	6.19	62	81253	18.981	ug/l 100
37) Trichloroethene	7.21	130	65606	19.213	ug/l 96
38) Methylcyclohexane	7.46	83	97583	19.970	ug/l 99
39) 1,2-Dichloropropane	7.51	63	56592	19.150	ug/l 99
40) Dibromomethane	7.66	93	41236	19.025	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	77554	18.857	ug/l	99
42) Vinyl Acetate	3.81	43	708671	93.888	ug/l	99
43) Ethyl Acetate	4.83	43	71931	18.146	ug/l #	83
44) Isopropyl Acetate	6.45	43	115353	18.491	ug/l	97
45) 1,4-Dioxane	7.74	88	28987	369.432	ug/l	99
46) Methyl methacrylate	7.77	41	58365	19.067	ug/l	99
47) n-amyl Acetate	10.90	43	98935	18.498	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	77801	18.894	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	88129	19.180	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	59508	19.112	ug/l	92
51) Ethyl methacrylate	9.18	69	88750	19.524	ug/l	94
52) 1,3-Dichloropropane	9.37	76	95343	19.093	ug/l	100
53) Dibromochloromethane	9.58	129	66804	19.033	ug/l	100
54) 1,2-Dibromoethane	9.67	107	65175	19.078	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	288779	126.267	ug/l	98
56) Bromoform	10.85	173	50969	18.394	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	374676	92.852	ug/l	96
59) 2-Hexanone	9.49	43	291732	91.395	ug/l	97
61) Tetrachloroethene	9.34	164	62671	19.426	ug/l	99
62) Toluene	8.78	91	240548	18.909	ug/l	97
64) Chlorobenzene	10.13	112	157944	19.259	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.22	131	60432	19.293	ug/l	99
66) Ethyl Benzene	10.25	91	269436	19.584	ug/l	100
67) m/p-Xylenes	10.36	106	212645	38.889	ug/l	99
68) o-Xylene	10.69	106	101833	19.387	ug/l	97
69) Styrene	10.71	104	171911	19.385	ug/l	98
70) Isopropylbenzene	11.02	105	267666	19.368	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	88032	18.680	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	82433m	21.715	ug/l	
73) Bromobenzene	11.26	156	74222	19.411	ug/l	99
74) n-propylbenzene	11.36	91	302828	19.658	ug/l	99
75) 2-Chlorotoluene	11.42	91	179093	19.468	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	230781	19.547	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	24709	18.373	ug/l	95
78) 4-Chlorotoluene	11.51	91	207997	19.211	ug/l	98
79) tert-butylbenzene	12.06	119	244657	19.700	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	231464	19.730	ug/l	100
81) sec-Butylbenzene	11.94	105	266194	19.767	ug/l	99
82) p-Isopropyltoluene	12.06	119	244657	19.700	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	129198	19.467	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	128388	19.426	ug/l	97
85) n-Butylbenzene	12.38	91	208300	19.499	ug/l	99
86) Hexachloroethane	12.60	117	40675	19.004	ug/l	88
87) 1,2-Dichlorobenzene	12.39	146	128654	19.657	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	18919	17.537	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	92274	19.920	ug/l	98
90) Hexachlorobutadiene	13.78	225	47465	20.355	ug/l	98
91) Naphthalene	13.83	128	270646	19.453	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	91372	19.511	ug/l	100

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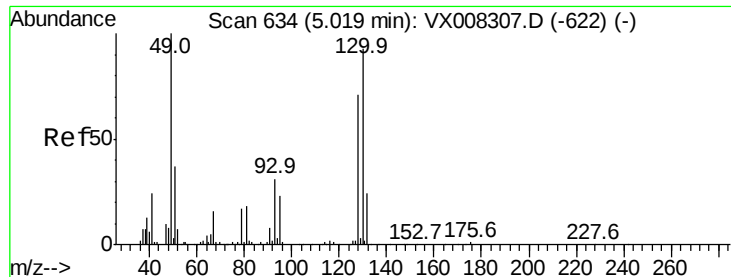
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

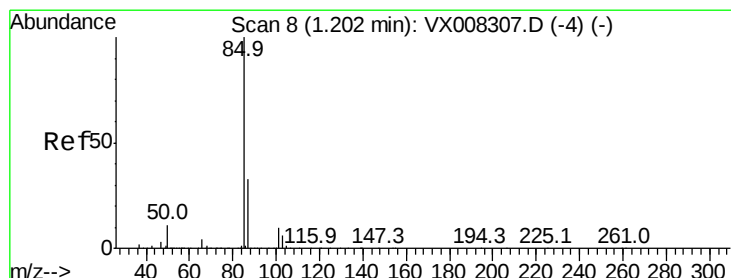
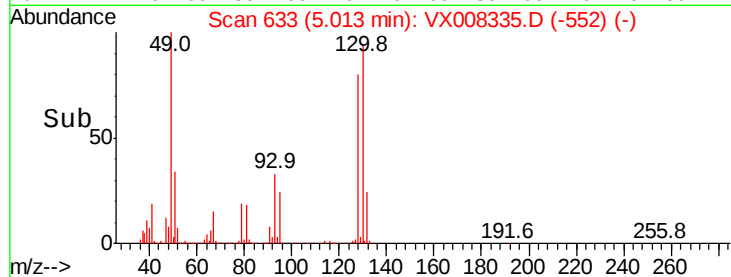
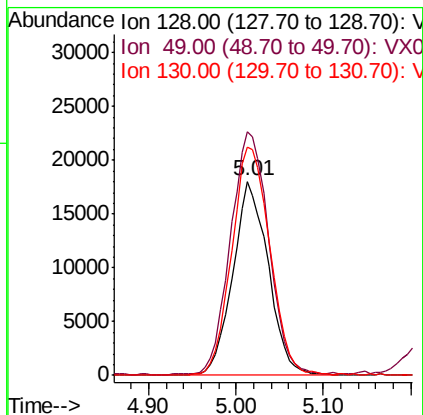
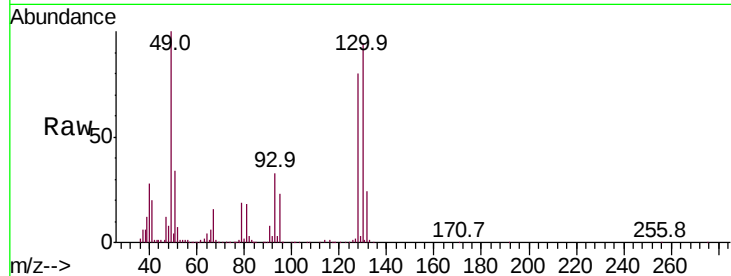
ClientSampleId :

ICVVX032219

Tot Ion:	128	Resp:	50949
Ion	Ratio	Lower	Upper
128	100		
49	135.1	0.0	350.8
130	125.9	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 20.534 ug/l

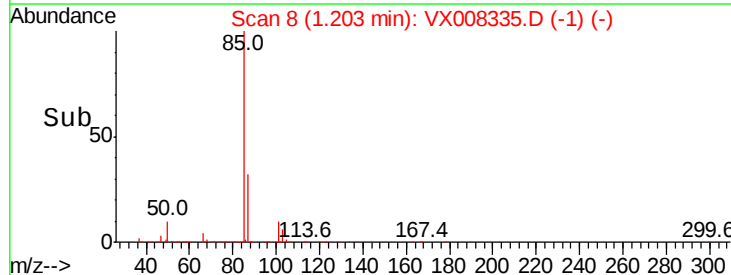
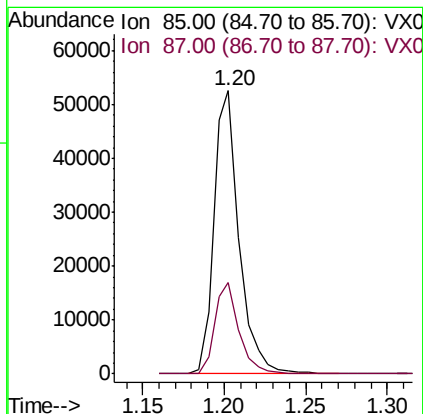
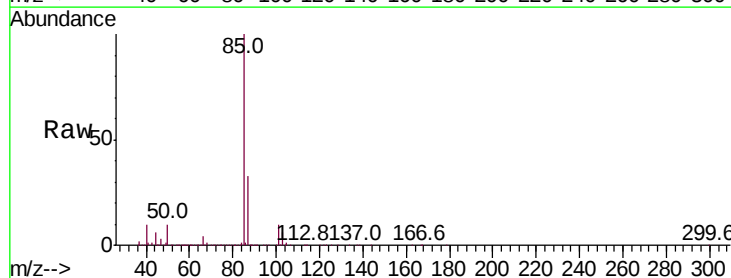
RT: 1.20 min Scan# 8

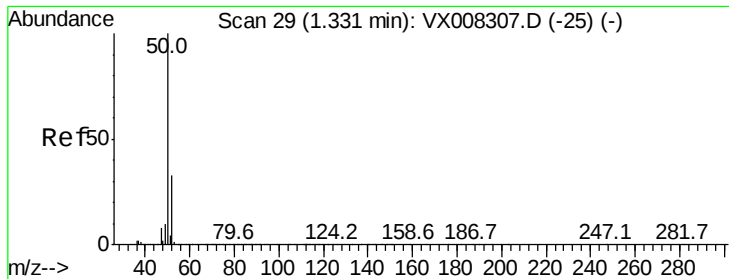
Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion:	85	Resp:	56134
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.6	49.8





#3

Chloromethane

Concen: 19.937 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion: 50 Resp: 55725

Ion Ratio Lower Upper

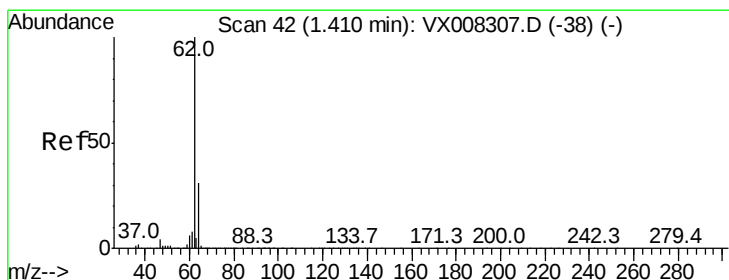
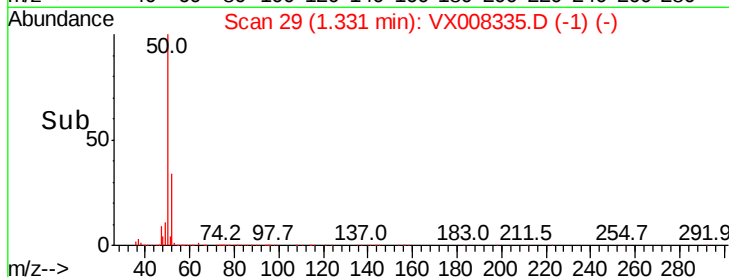
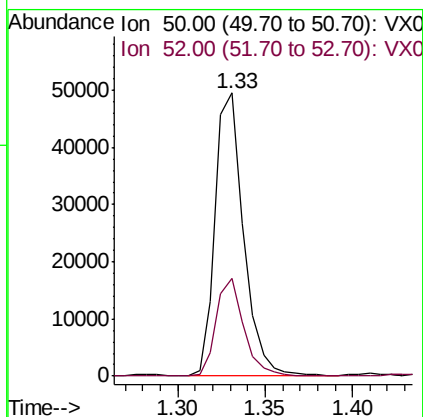
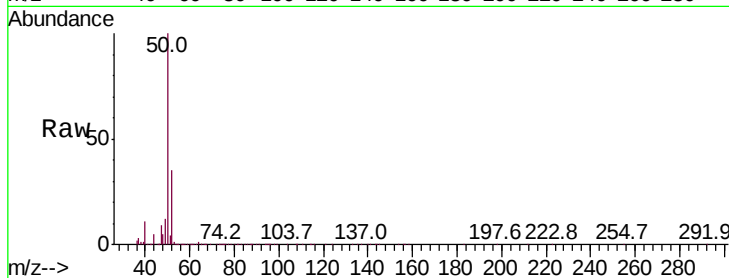
50 100

52 34.3 27.5 41.3

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#4

Vinyl Chloride

Concen: 19.473 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008335.D

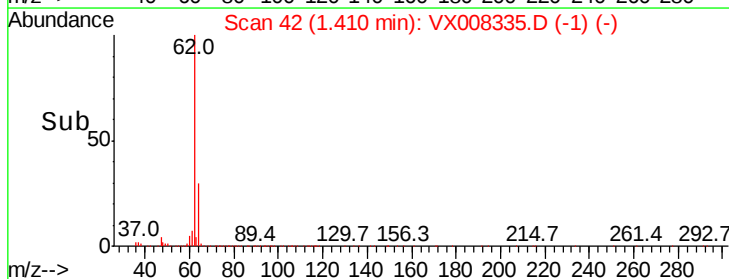
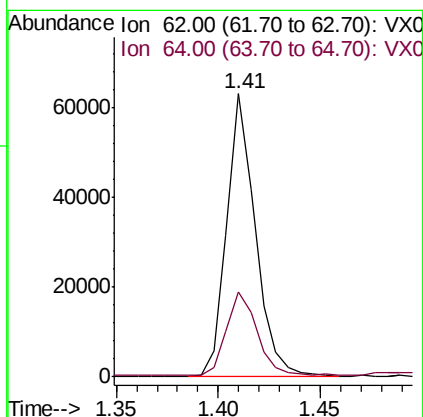
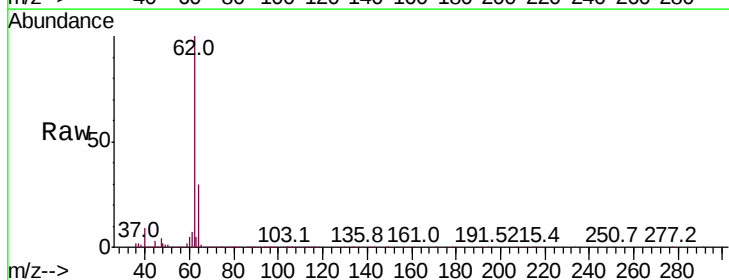
Acq: 22 Mar 2019 13:19

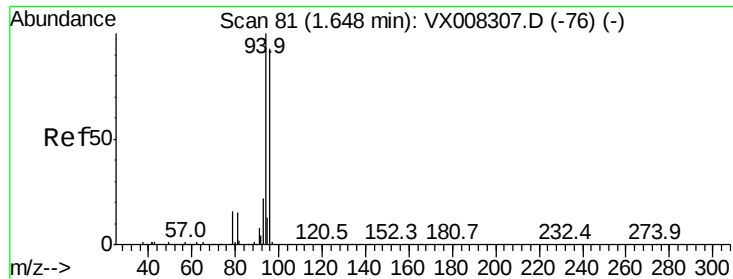
Tgt Ion: 62 Resp: 61345

Ion Ratio Lower Upper

62 100

64 29.7 25.9 38.9





#5

Bromomethane

Concen: 20.372 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion: 94 Resp: 116341

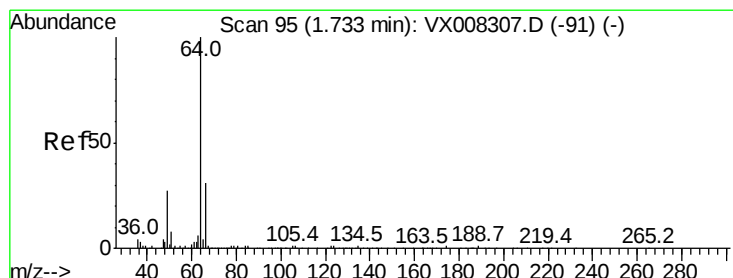
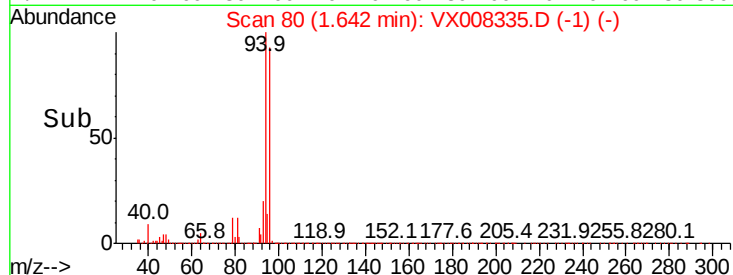
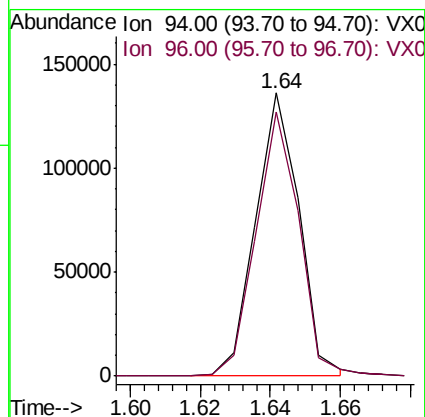
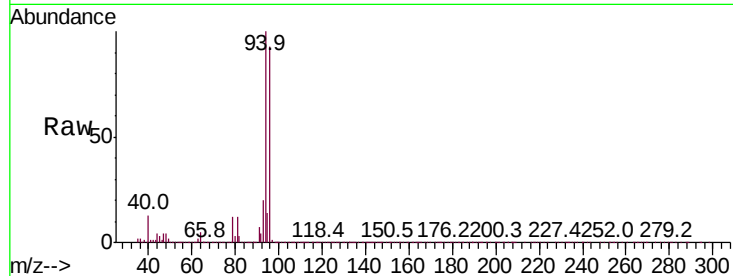
Ion Ratio Lower Upper

94 100

96 93.4 75.6 113.4

Manual Integrations
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#6

Chloroethane

Concen: 16.543 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.01 min

Lab File: VX008335.D

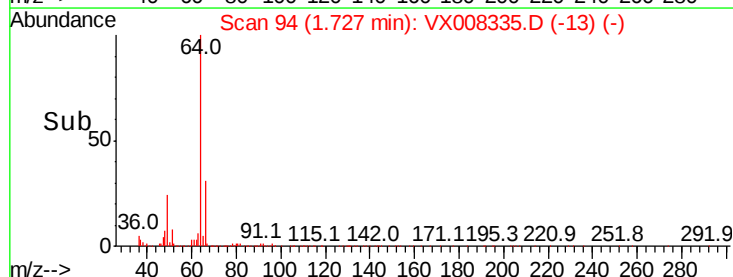
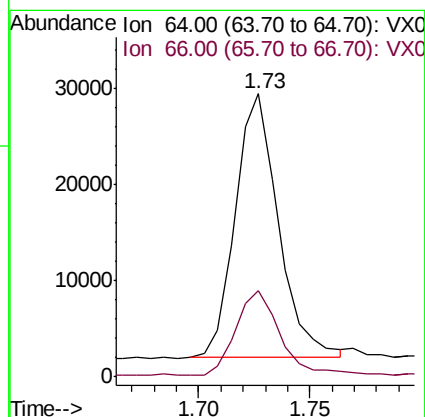
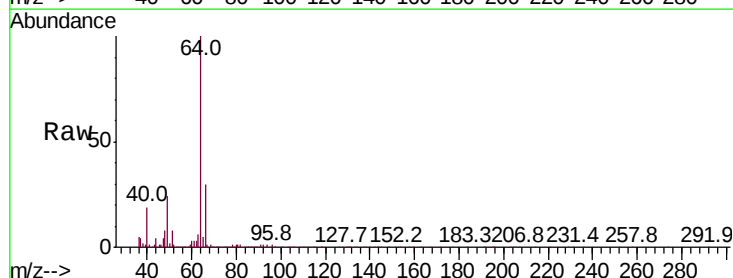
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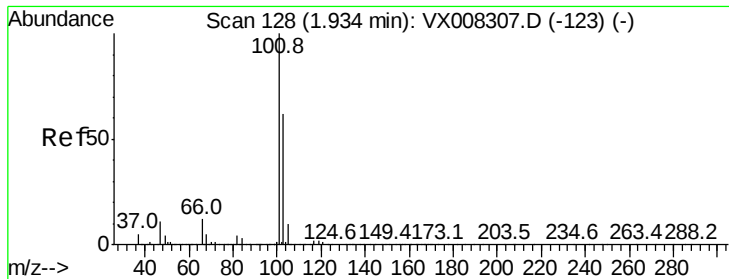
Tgt Ion: 64 Resp: 37039

Ion Ratio Lower Upper

64 100

66 31.8 23.9 35.9





#7

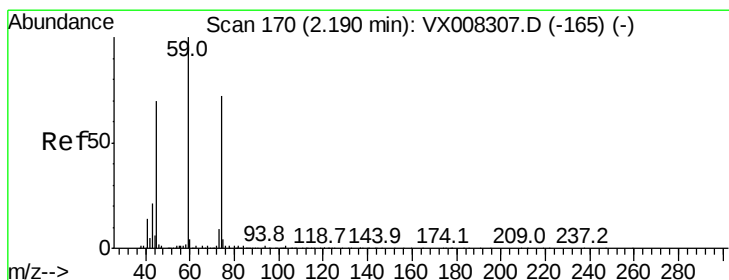
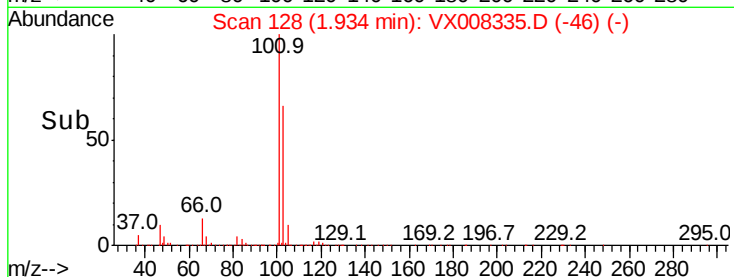
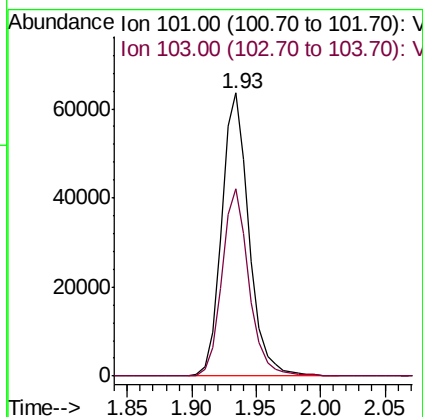
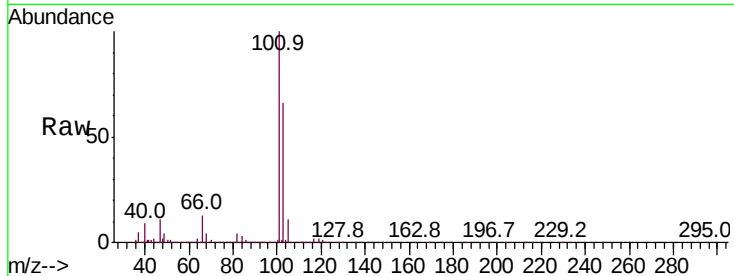
Trichlorofluoromethane
Concen: 18.767 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
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ICVVX032219

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.4	75.6

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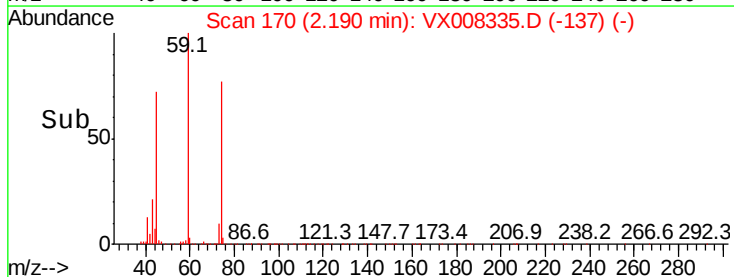
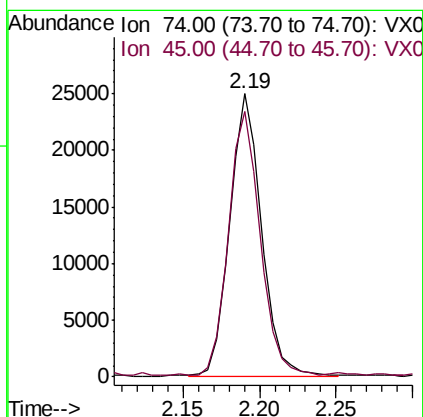
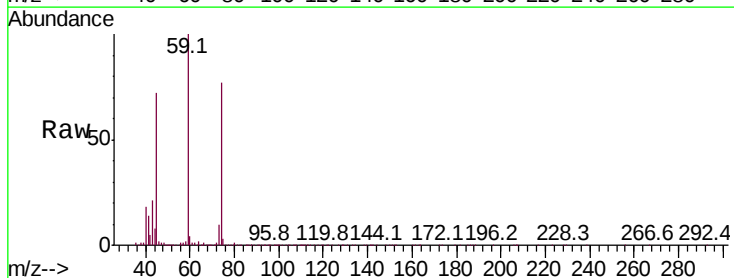
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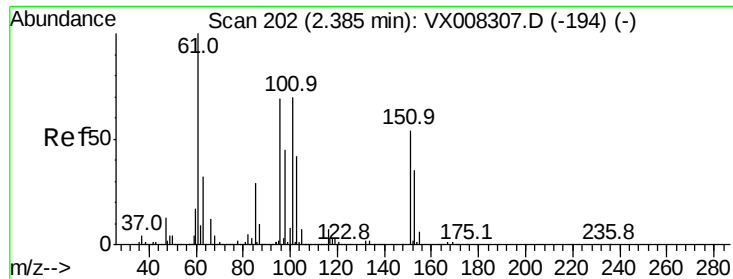


#8

Diethyl Ether
Concen: 18.467 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.446 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

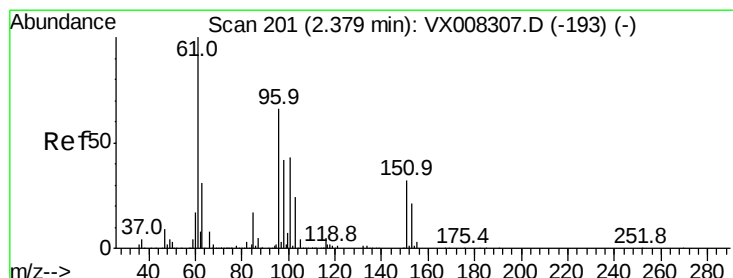
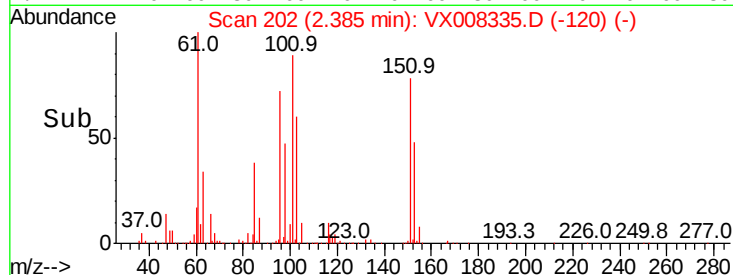
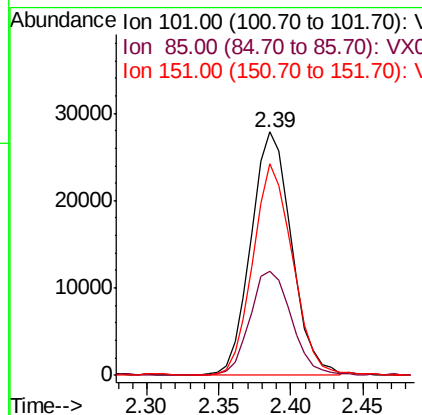
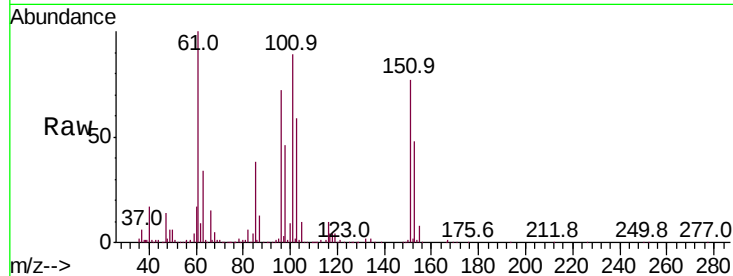
ClientSampleId :

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Tot Ion:	101	Resp:	53932
Ion Ratio	Lower	Upper	
101	100		
85	44.3	0.0	86.8
151	86.3	0.0	169.2

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#10

1,1-Dichloroethene

Concen: 19.581 ug/l

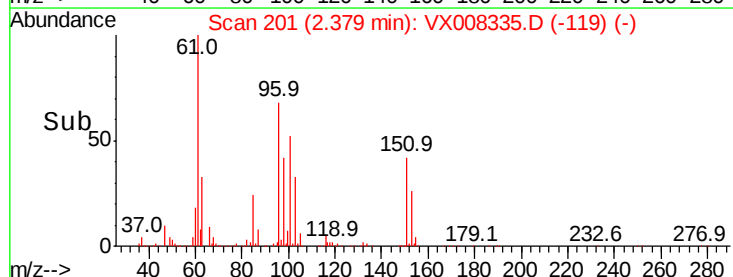
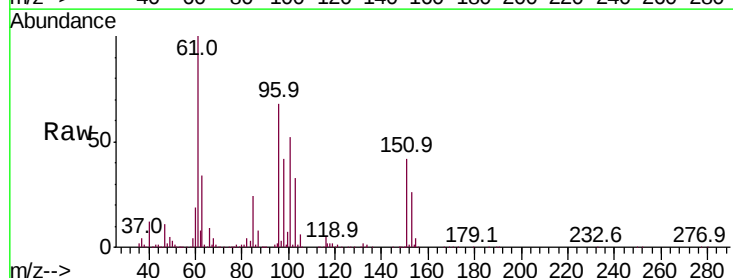
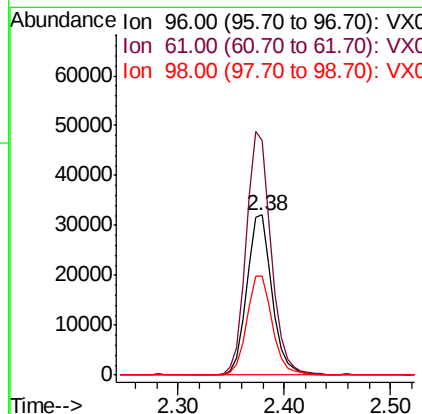
RT: 2.38 min Scan# 201

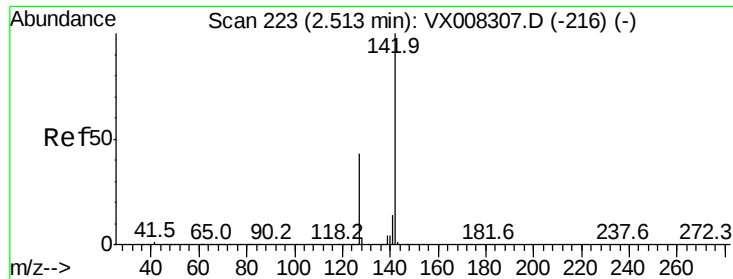
Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion:	96	Resp:	53604
Ion Ratio	Lower	Upper	
96	100		
61	145.8	120.2	180.2
98	61.8	49.0	73.4





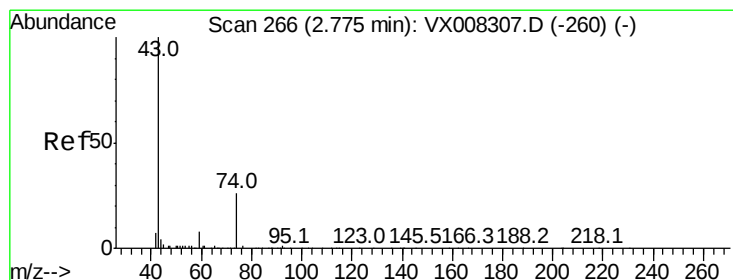
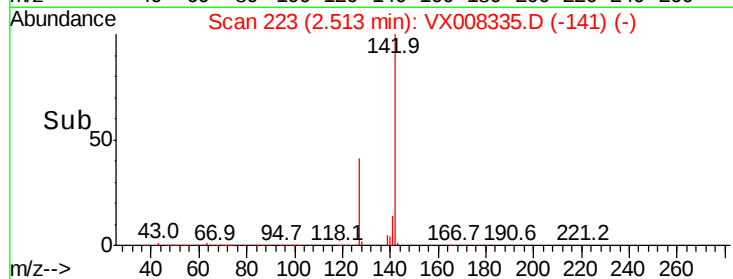
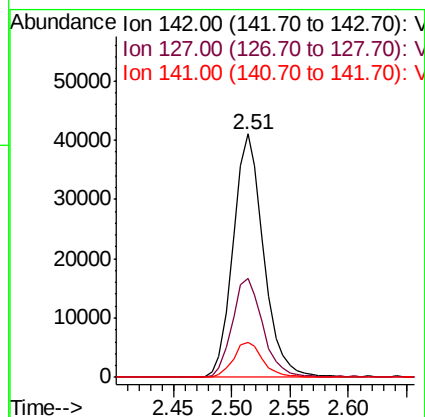
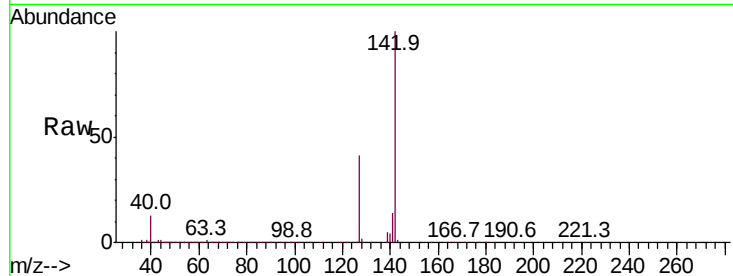
#11
Methyl Iodide
Concen: 18.062 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.4	22.1	66.5
141	14.2	7.4	22.3

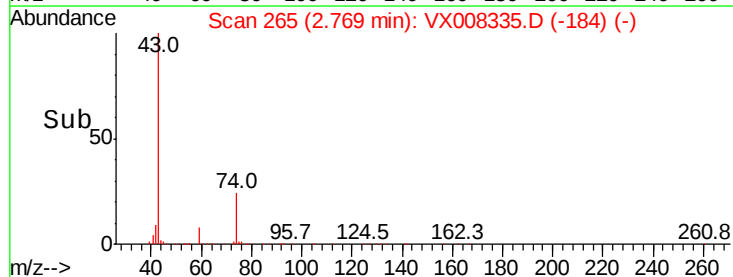
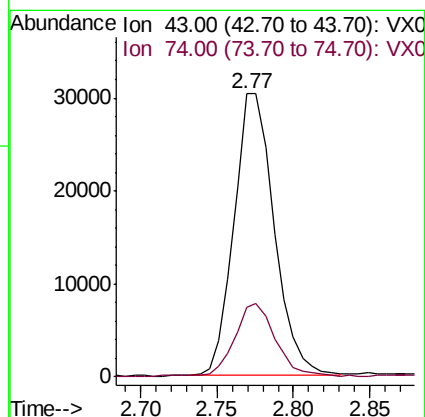
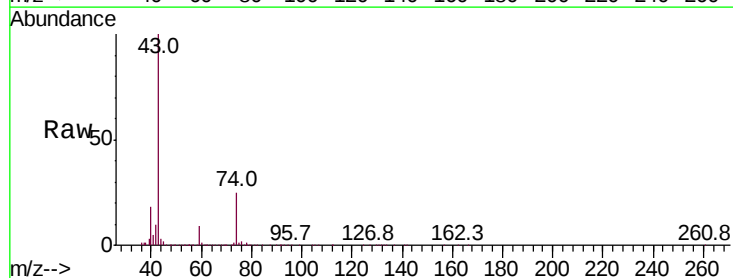
Manual Integrations
APPROVED

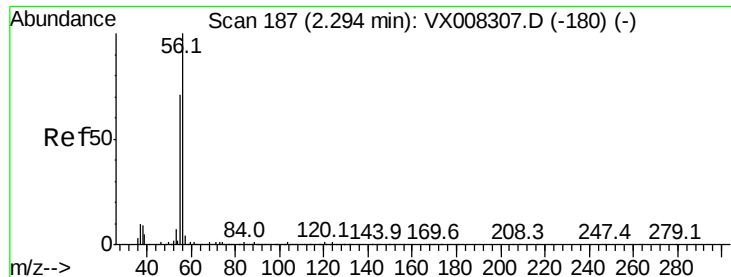
MMDadoda
3/23/2019 9:33:56 AM



#12
Methyl Acetate
Concen: 18.574 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.0





#13

Acrolein

Concen: 123.975 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion: 56 Resp: 58017

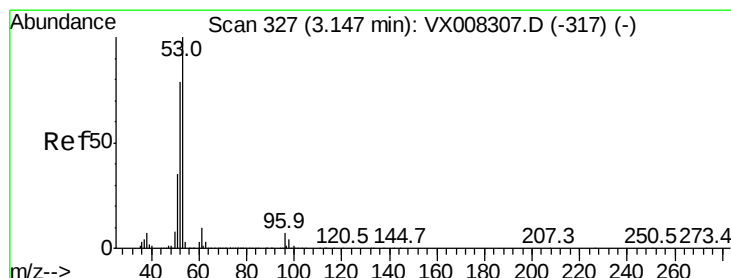
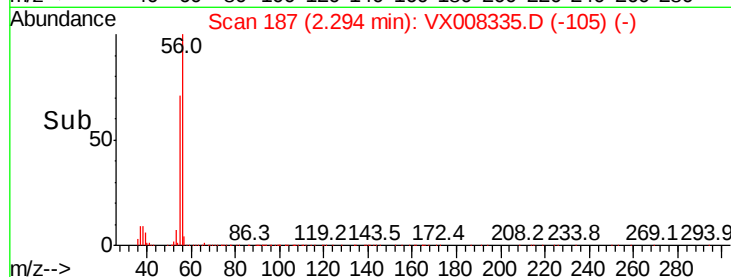
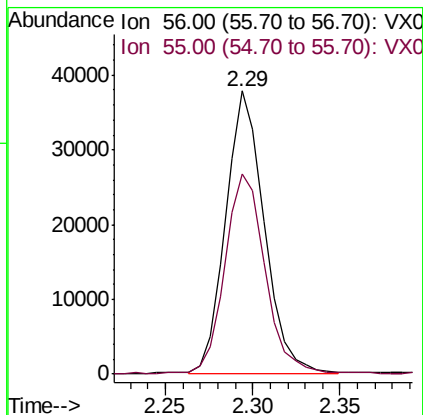
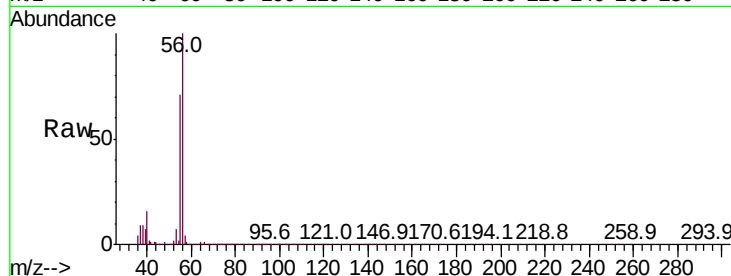
Ion Ratio Lower Upper

56 100

55 72.7 58.6 87.8

Manual Integrations
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#14

Acrylonitrile

Concen: 93.607 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

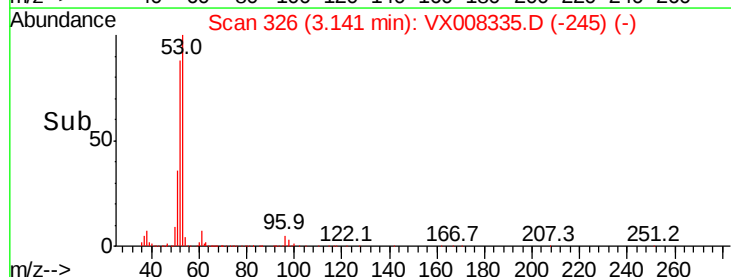
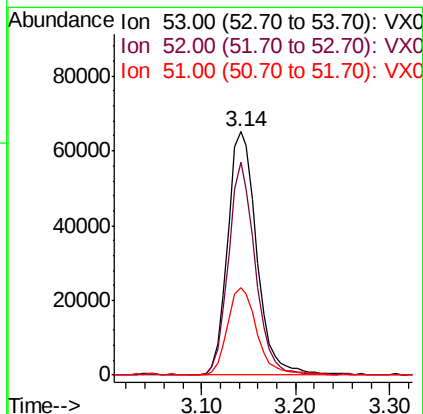
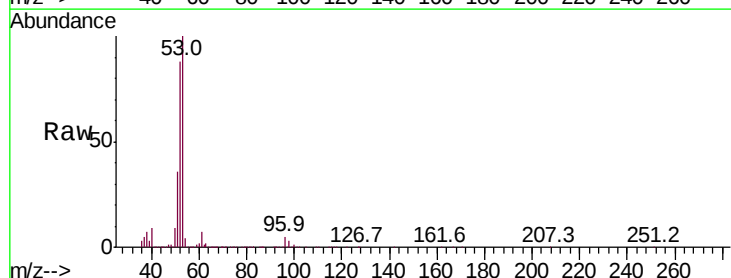
Tgt Ion: 53 Resp: 138771

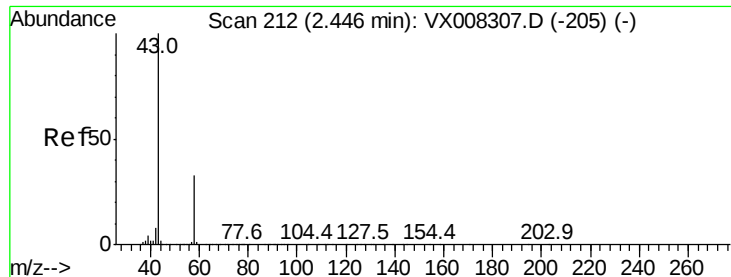
Ion Ratio Lower Upper

53 100

52 80.9 41.3 124.1

51 36.6 17.5 52.6





#15

Acetone

Concen: 84.383 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion: 58 Resp: 49055

Ion Ratio Lower Upper

58 100

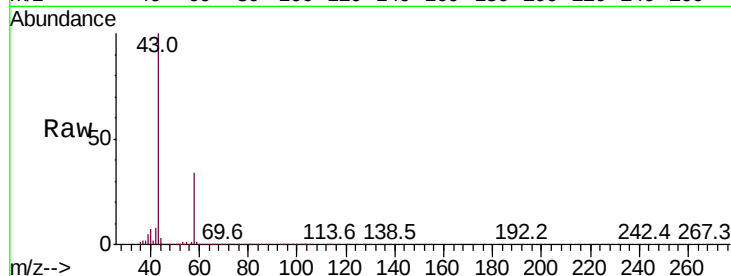
43 297.6 249.8 374.6

Manual Integrations

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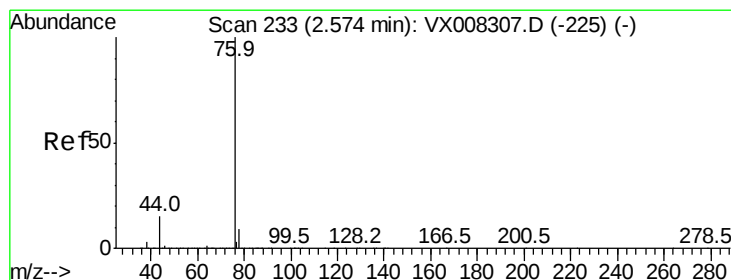
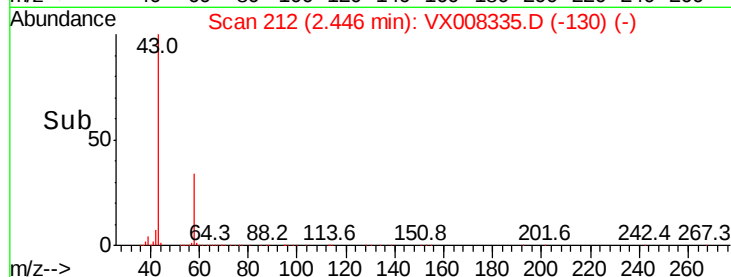
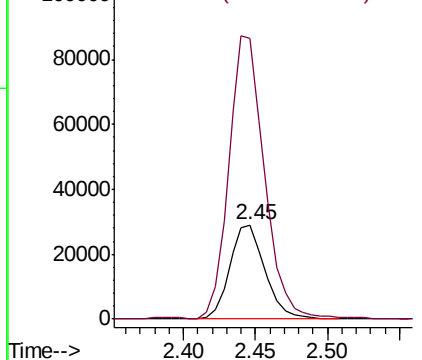
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.859 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008335.D

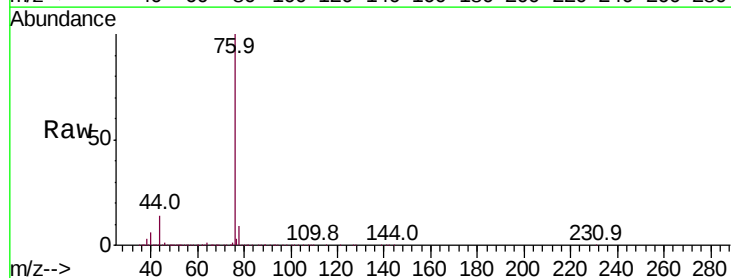
Acq: 22 Mar 2019 13:19

Tgt Ion: 76 Resp: 150745

Ion Ratio Lower Upper

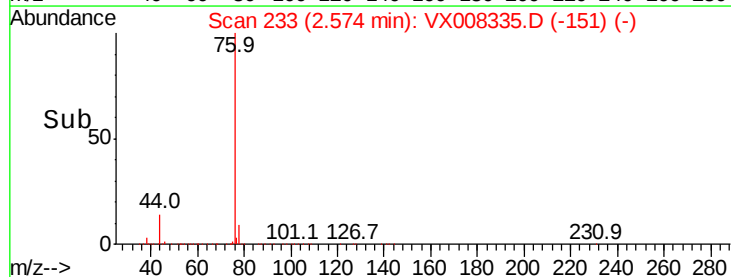
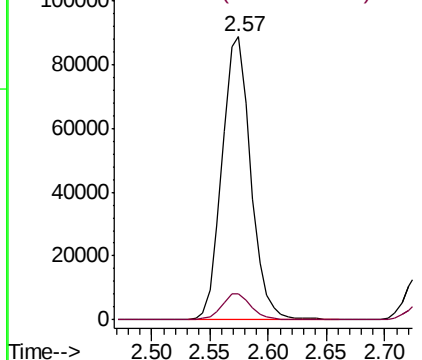
76 100

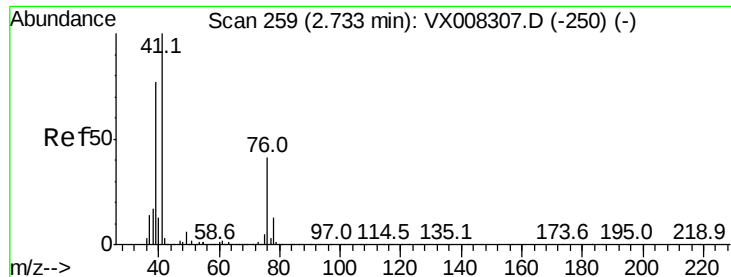
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





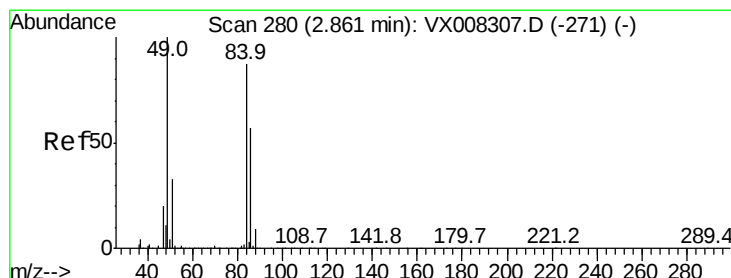
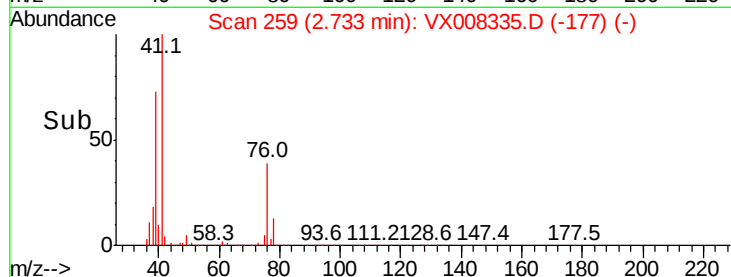
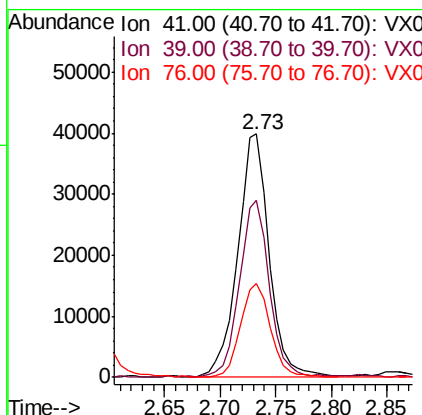
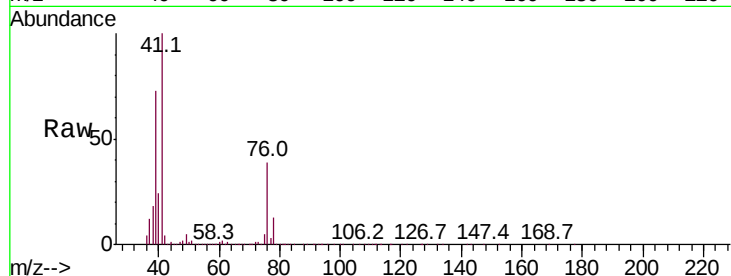
#17
Allvl chloride
Concen: 19.140 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.4	35.8	107.4
76	38.5	18.3	54.9

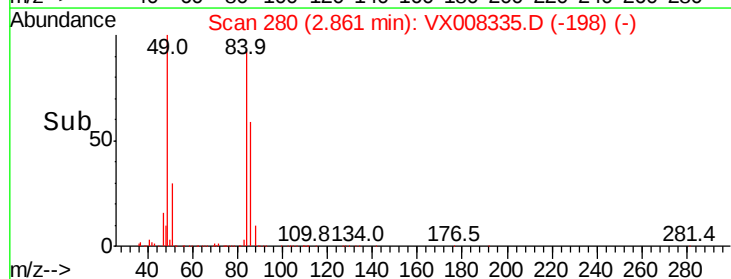
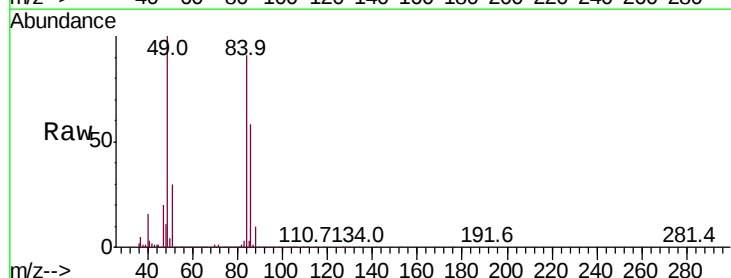
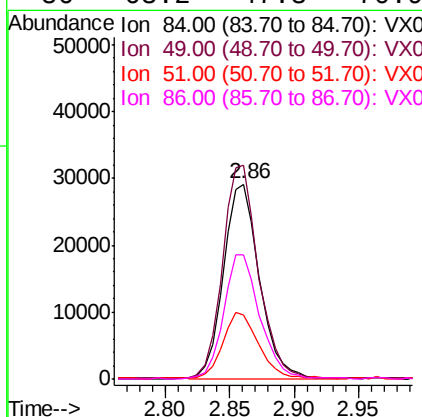
Manual Integrations
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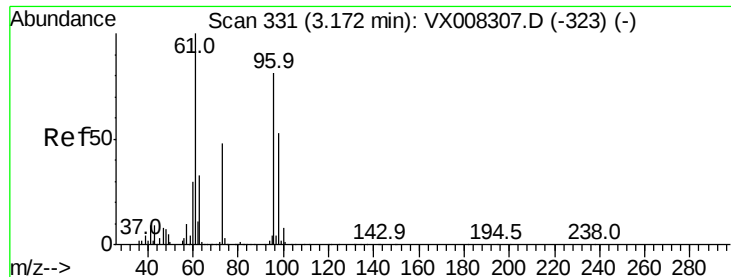
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#18
Methylene Chloride
Concen: 19.356 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.6	96.1	144.1
51	32.7	29.1	43.7
86	63.2	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 19.419 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion: 96 Resp: 56433

Ion Ratio Lower Upper

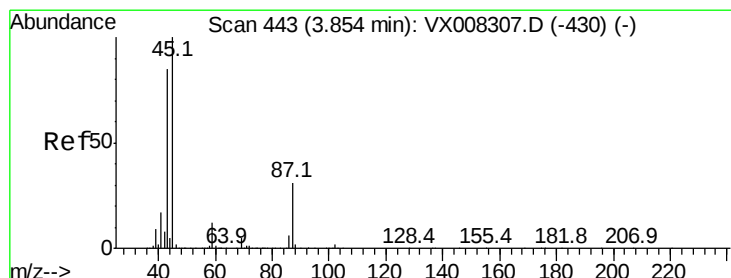
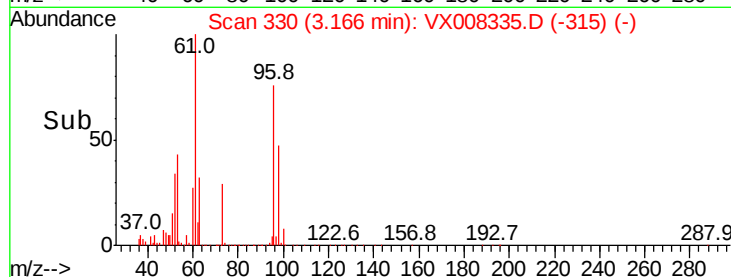
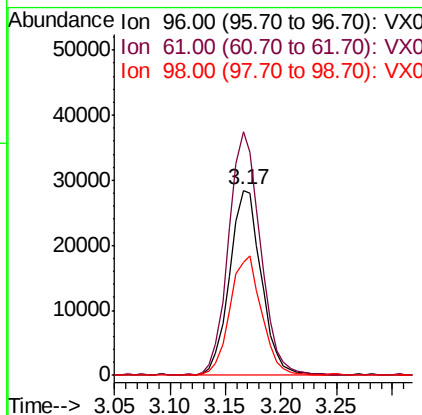
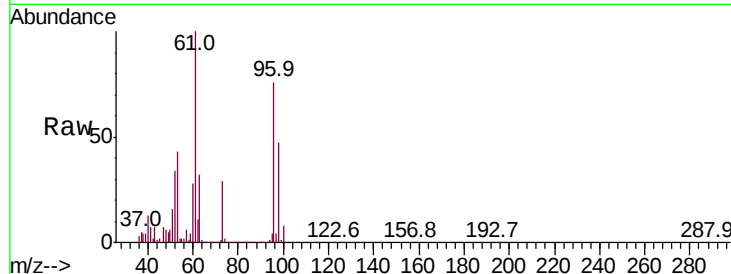
96 100

61 131.1 109.9 164.9

98 61.2 50.4 75.6

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#20

Diisopropyl ether

Concen: 18.866 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion: 45 Resp: 159354

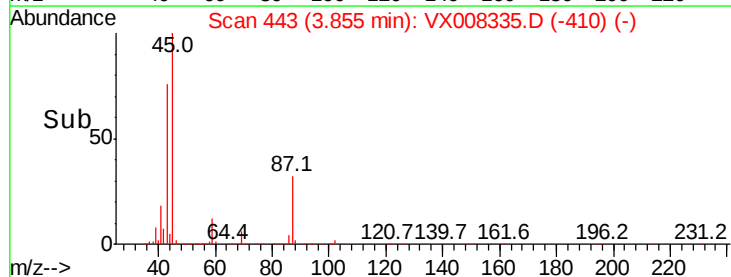
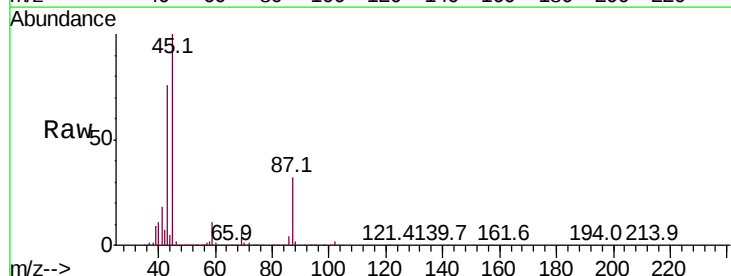
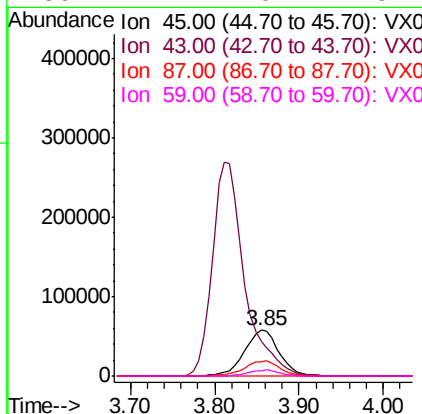
Ion Ratio Lower Upper

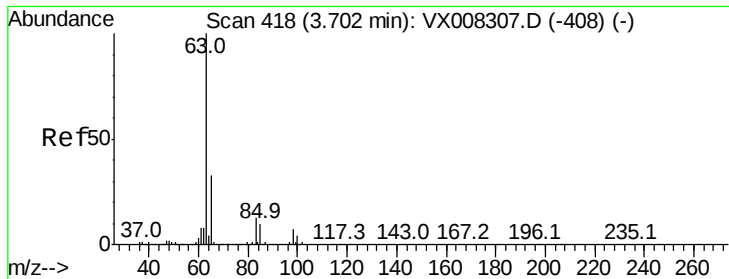
45 100

43 75.1 50.6 76.0

87 31.6 24.5 36.7

59 11.2 10.2 15.2





#21

1,1-Dichloroethane

Concen: 18.830 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

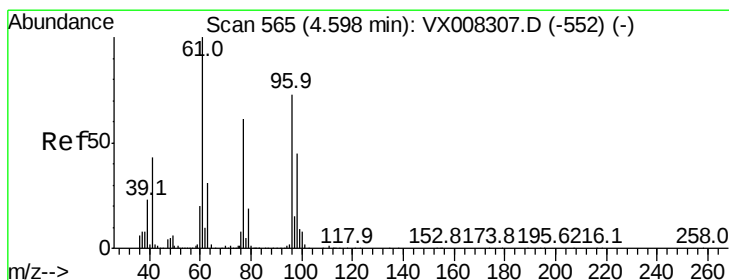
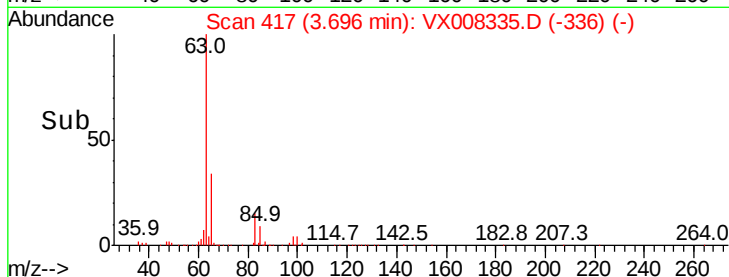
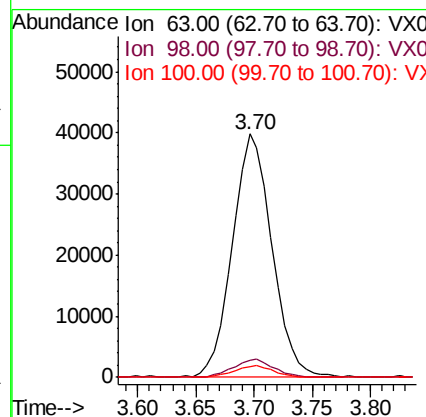
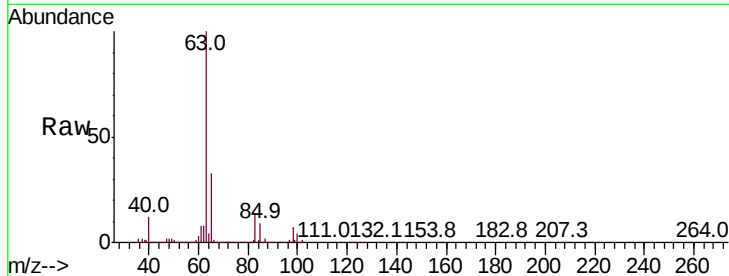
ClientSampleId :

ICVVX032219

Tot Ion:	63	Resp:	93933
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.8	11.4
100	4.3	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.551 ug/l

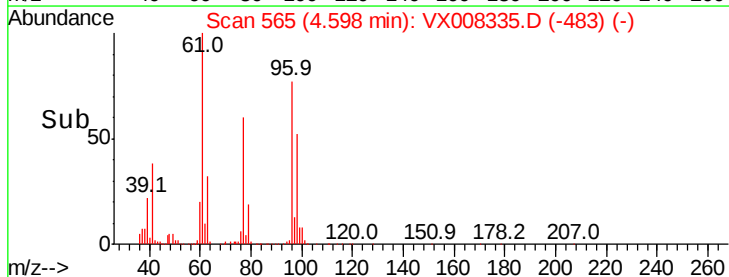
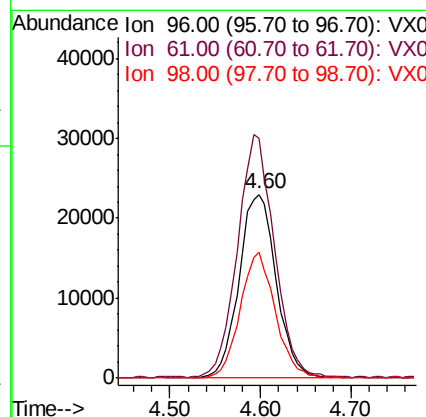
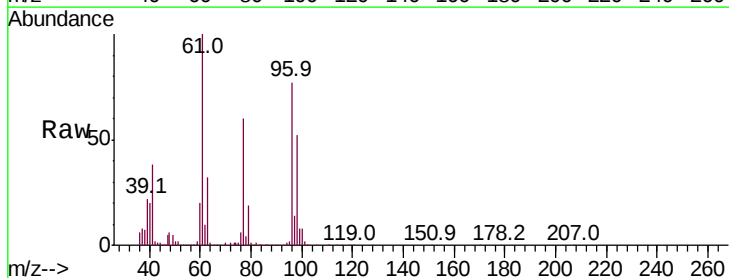
RT: 4.60 min Scan# 565

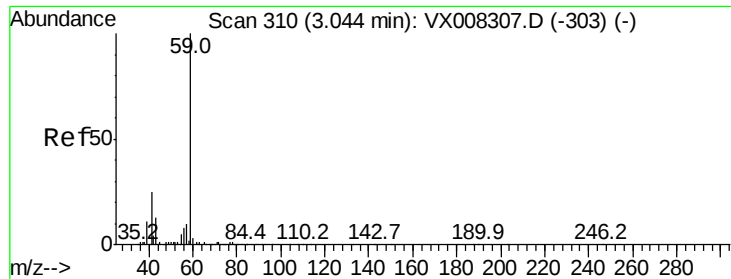
Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion:	96	Resp:	65529
Ion Ratio	Lower	Upper	
96	100		
61	130.1	103.5	155.3
98	64.5	52.1	78.1





#23

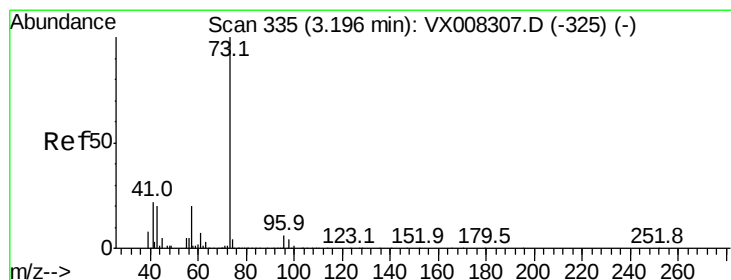
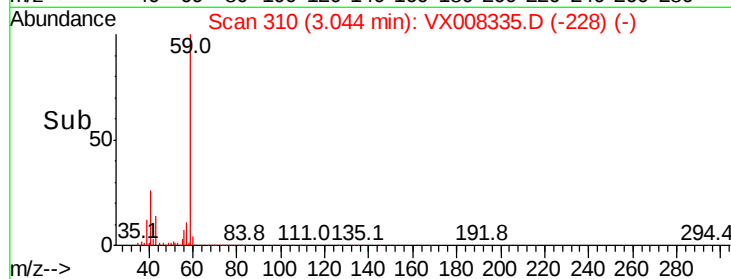
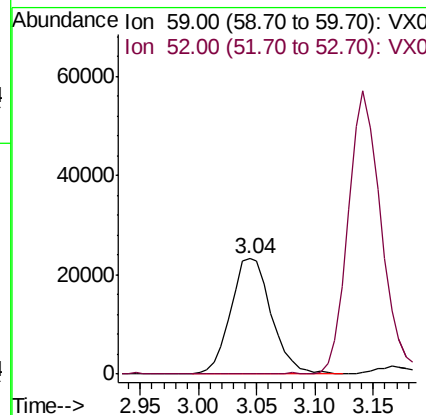
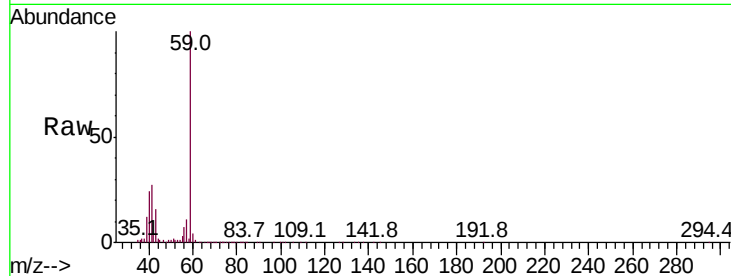
tert-Butyl Alcohol
 Concen: 93.485 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.2	0.2#

Manual Integrations
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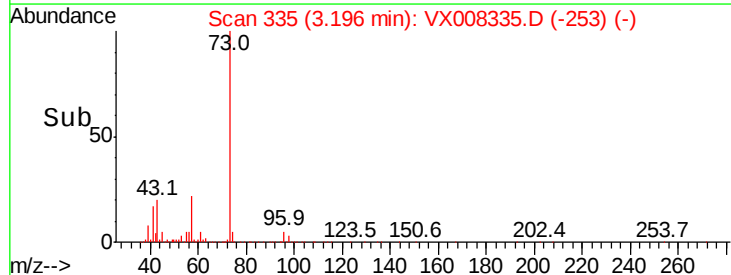
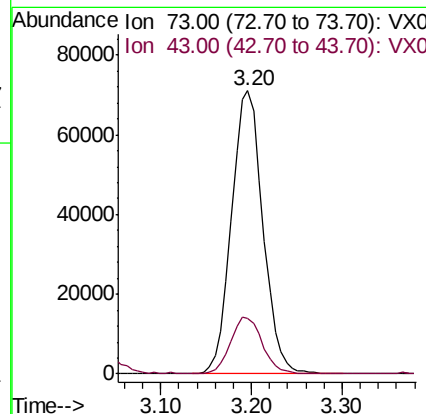
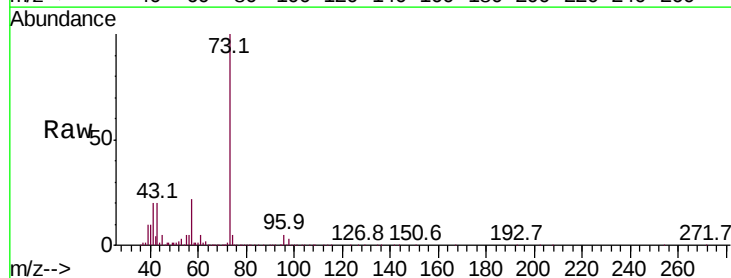
MMDadoda
 3/23/2019 9:33:56 AM

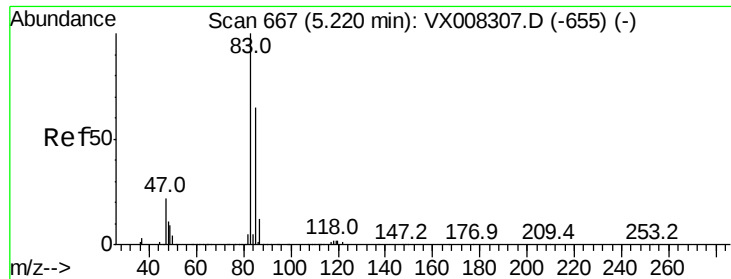


#24

Methyl tert-Butyl Ether
 Concen: 19.310 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.1	17.1	25.7





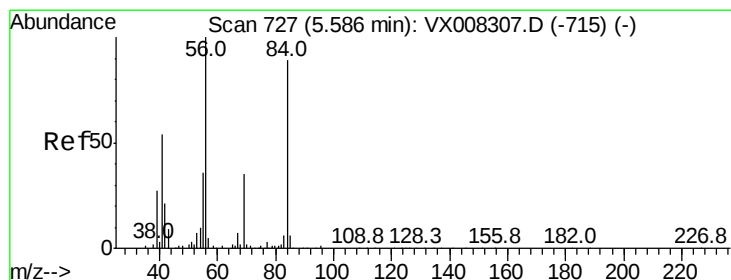
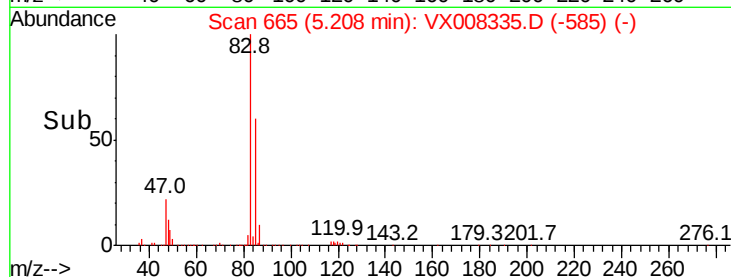
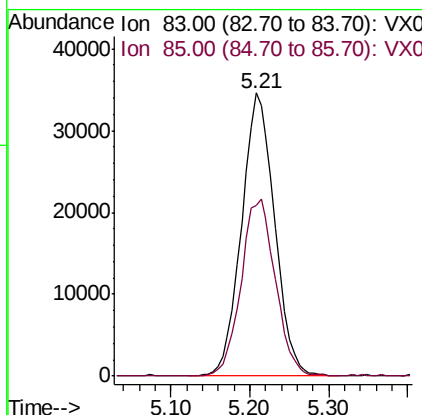
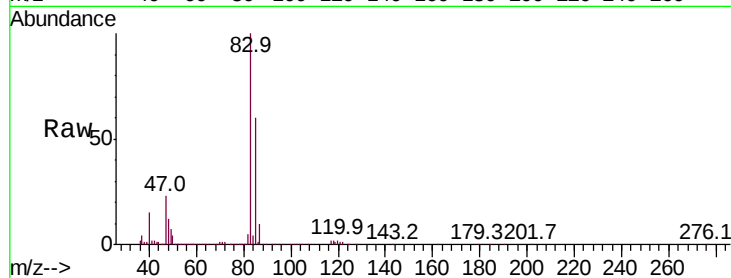
#25
Chloroform
Concen: 19.083 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	83	Resp	100982
Ion Ratio	100	Lower	Upper
85	60.3	53.8	80.6

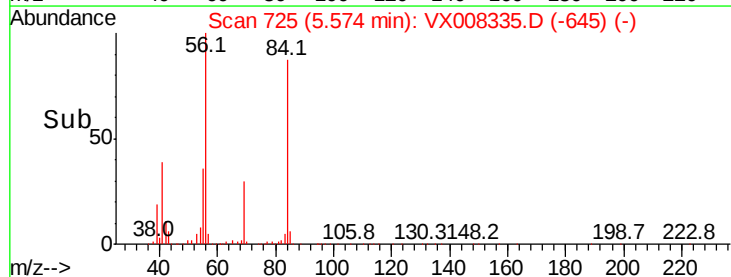
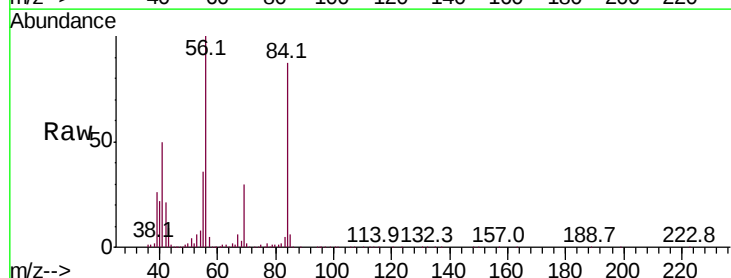
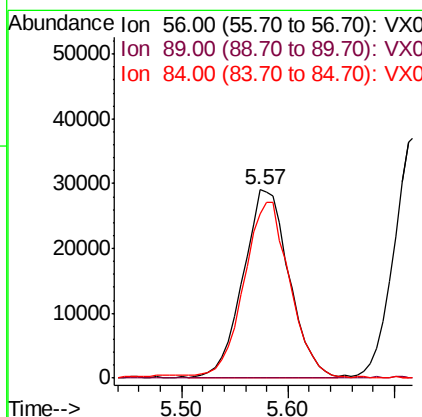
Manual Integrations
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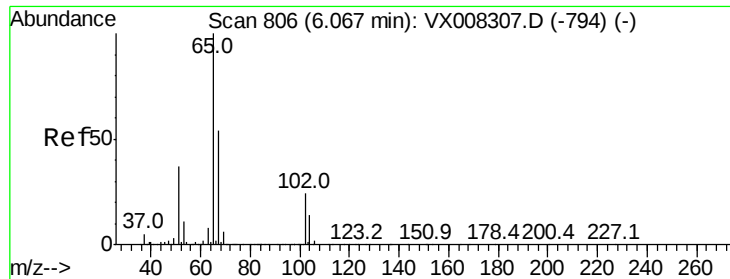
MMDadoda
3/23/2019 9:33:56 AM



#26
Cyclohexane
Concen: 19.866 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	56	Resp	87645
Ion Ratio	100	Lower	Upper
89	0.2	0.0	0.0#
84	93.3	73.9	110.9





#27

1,2-Dichloroethane-d4

Concen: 29.646 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008335.D

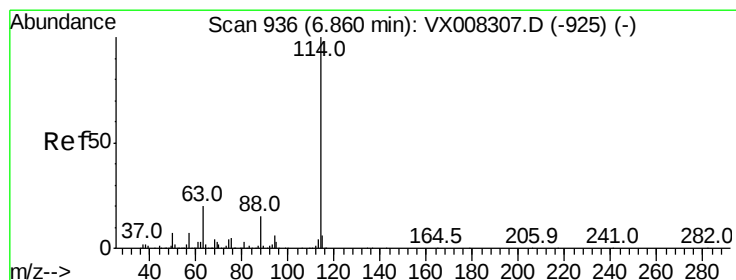
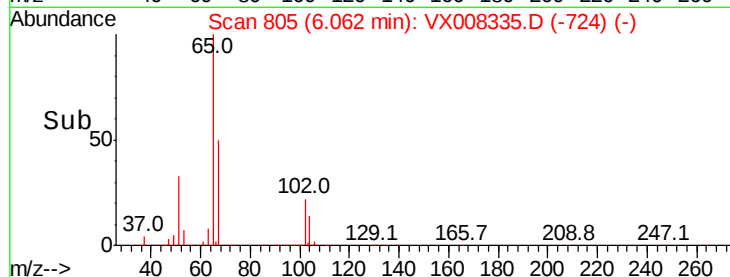
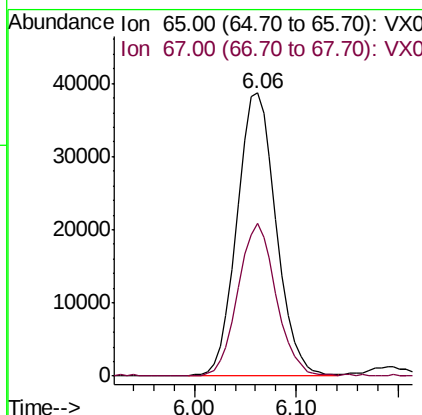
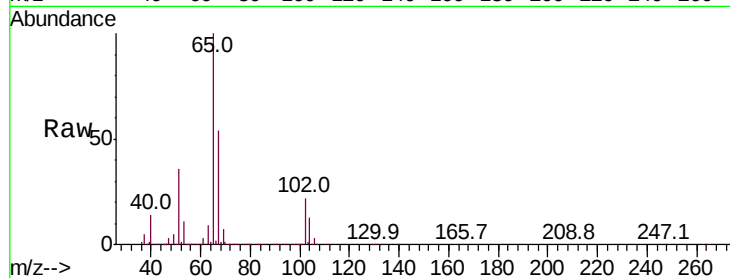
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	42.9	64.3

Manual Integrations
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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

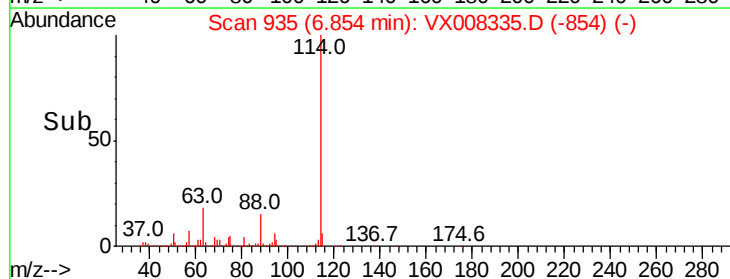
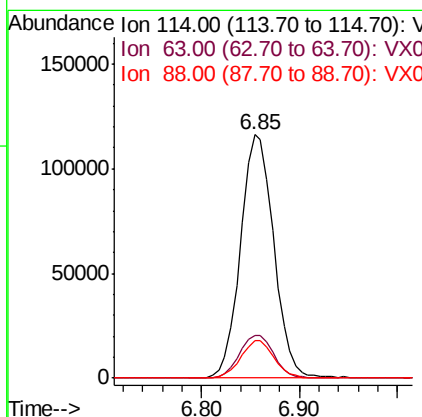
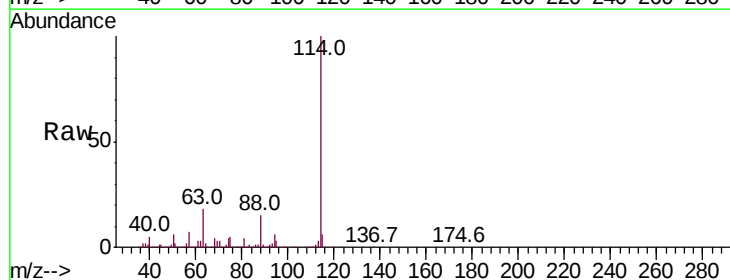
RT: 6.85 min Scan# 935

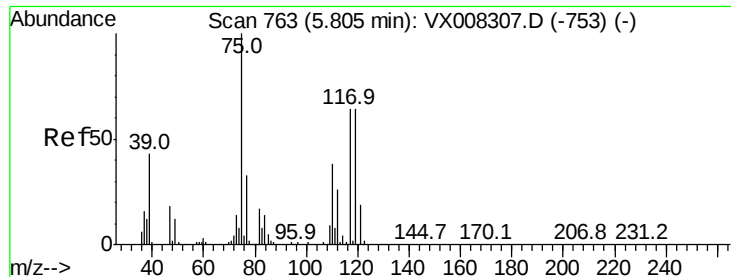
Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	14.2	21.4
88	15.3	11.9	17.9





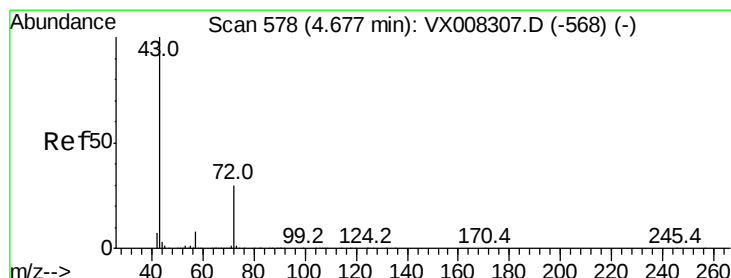
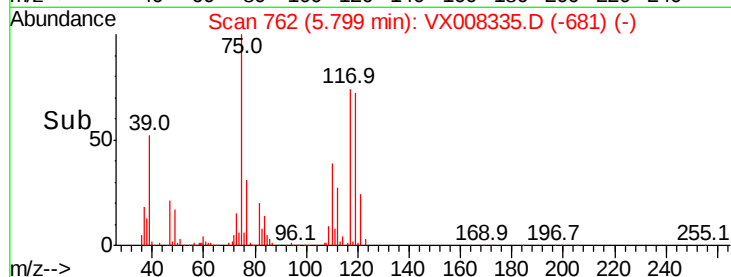
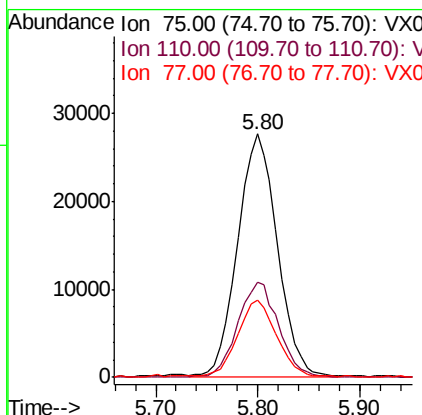
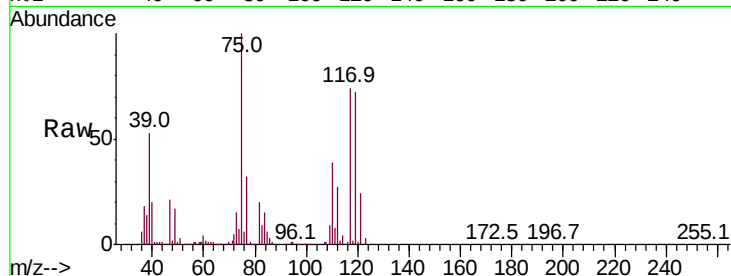
#29
 1,1-Dichloropropene
 Concen: 19.269 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	39.9	0.0	80.8
77	30.9	0.0	62.4

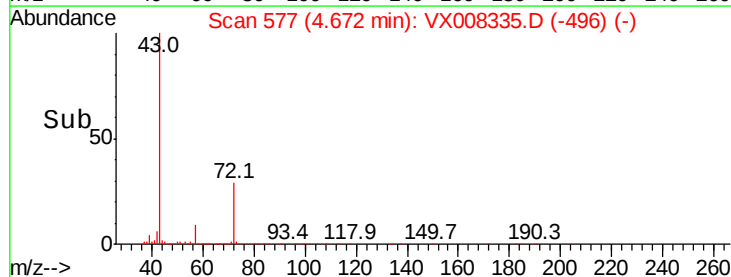
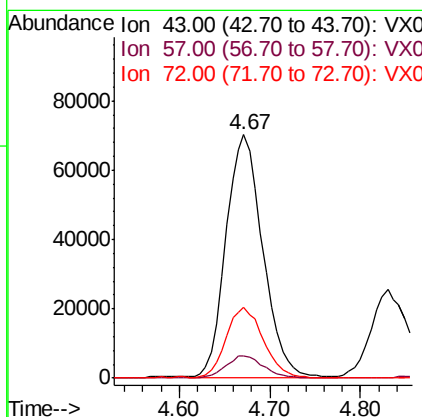
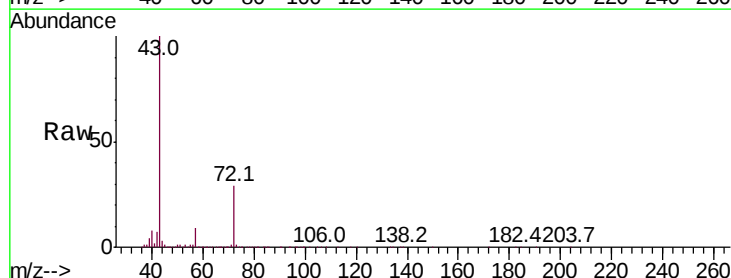
Manual Integrations
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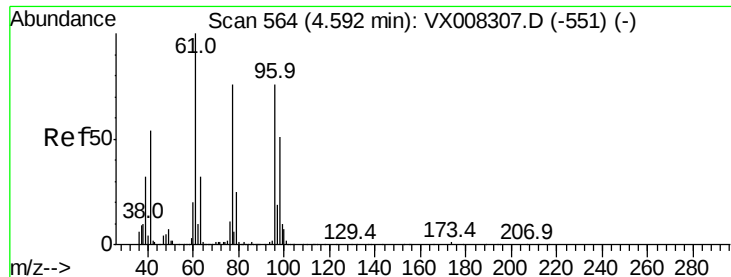
MMDadoda
 3/23/2019 9:33:56 AM



#30
 2-Butanone
 Concen: 87.527 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.0	7.0	10.6
72	28.7	21.5	32.3





#31

2,2-Dichloropropane

Concen: 19.219 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion: 77 Resp: 70549

Ion Ratio Lower Upper

77 100

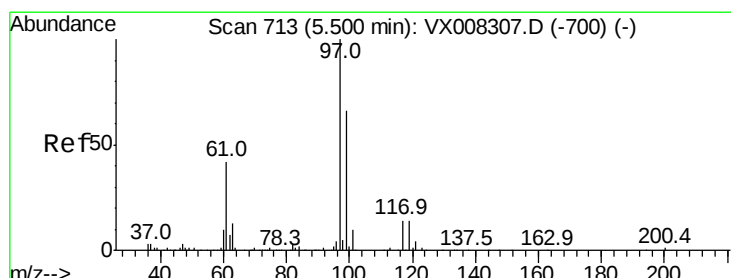
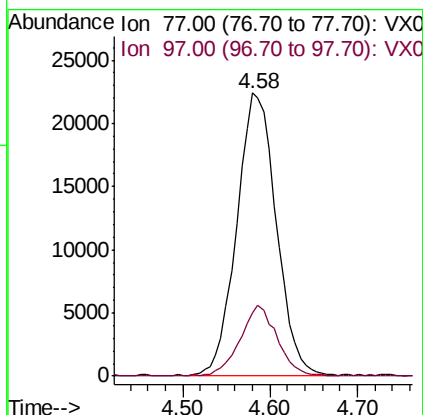
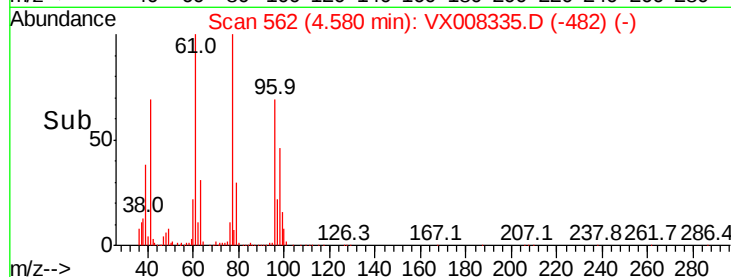
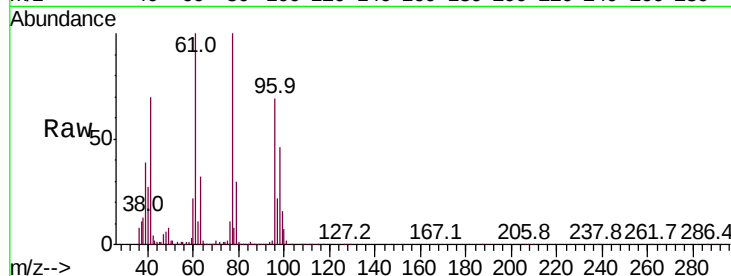
97 23.4 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.173 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

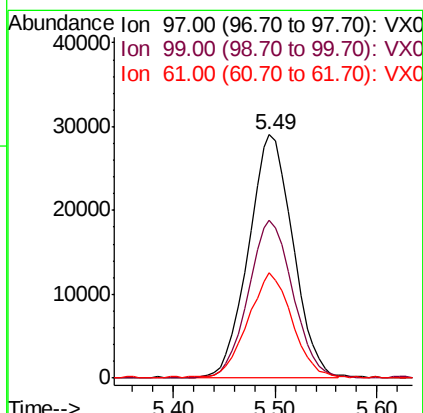
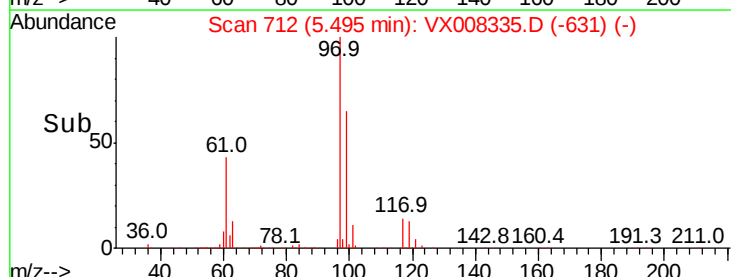
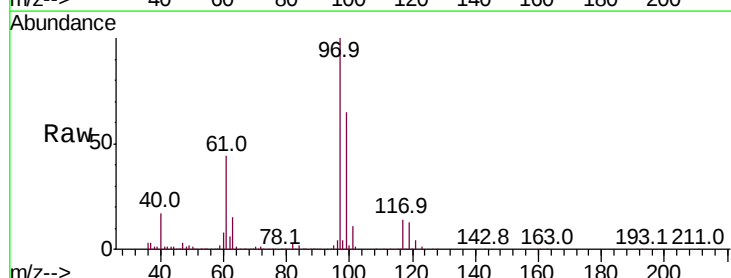
Tgt Ion: 97 Resp: 87958

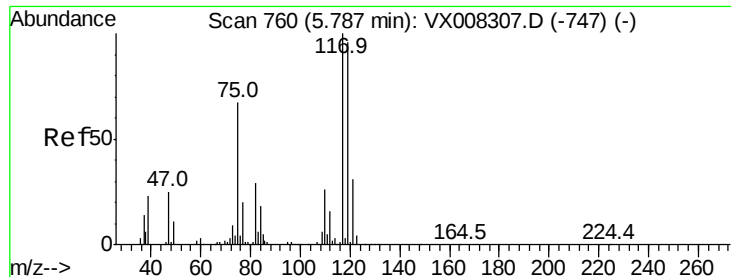
Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

61 42.3 32.8 49.2





#33

Carbon Tetrachloride

Concen: 18.922 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

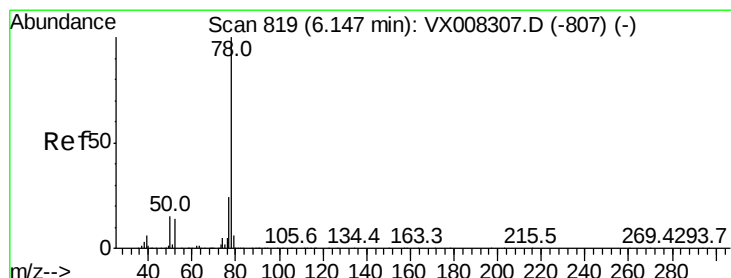
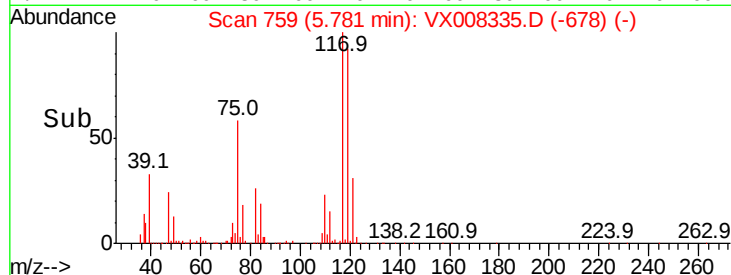
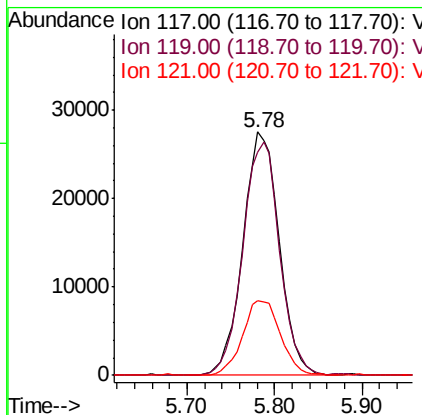
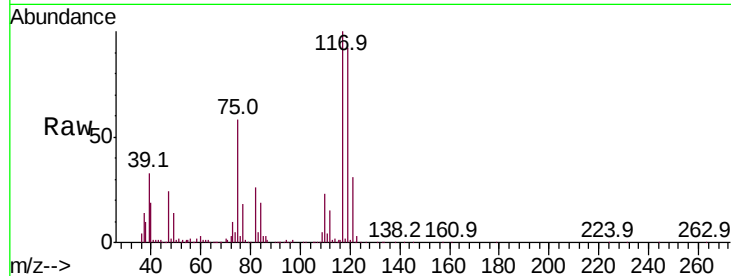
ClientSampleId :

ICVVX032219

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.7	78.1	117.1
121	30.6	27.0	40.6

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#34

Benzene

Concen: 19.042 ug/l

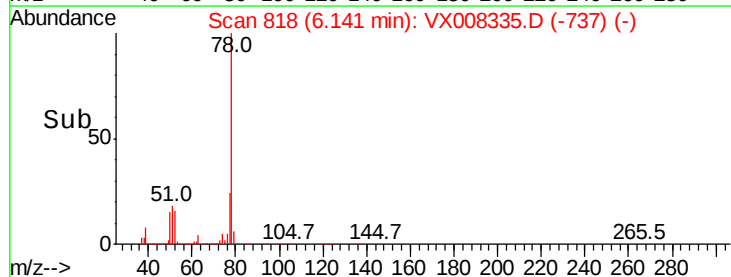
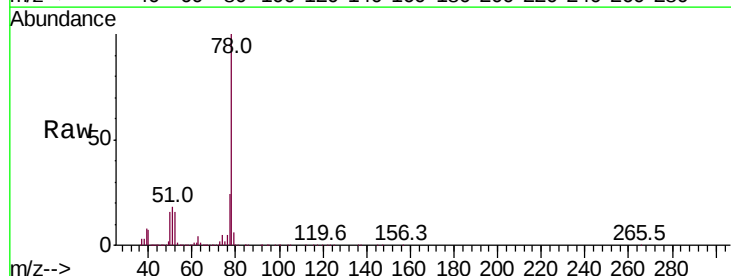
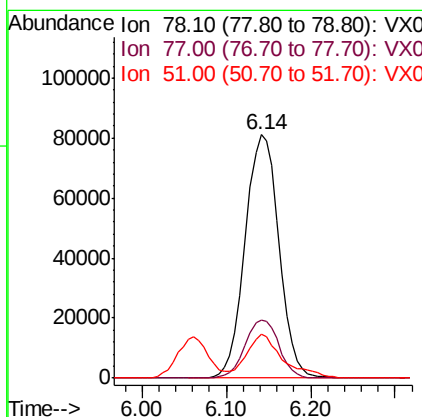
RT: 6.14 min Scan# 818

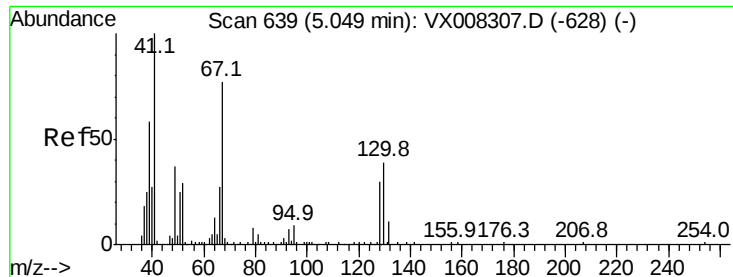
Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7
51	17.6	10.8	16.2





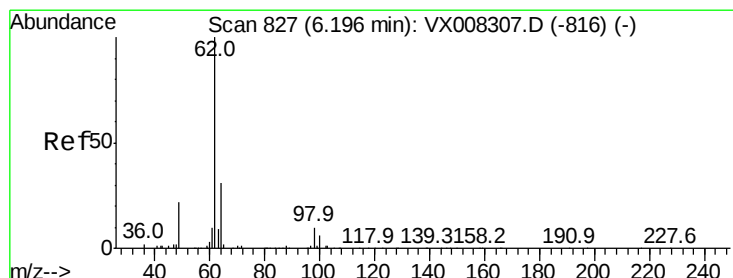
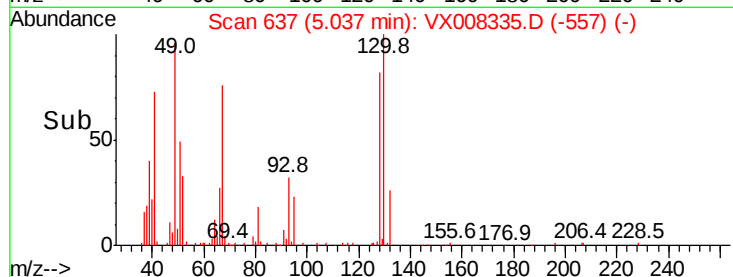
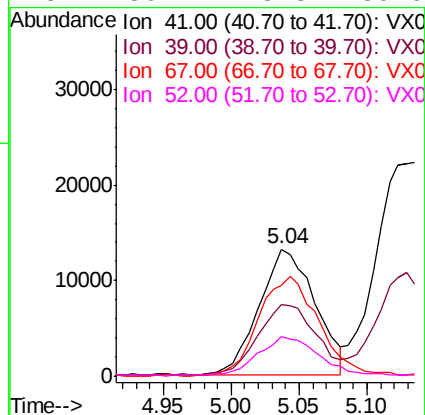
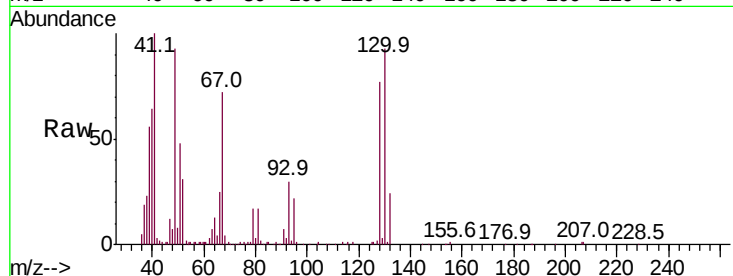
#35
Methacrylonitrile
Concen: 18.216 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.7	27.4	82.0
67	71.3	37.9	113.6
52	30.7	13.3	39.9

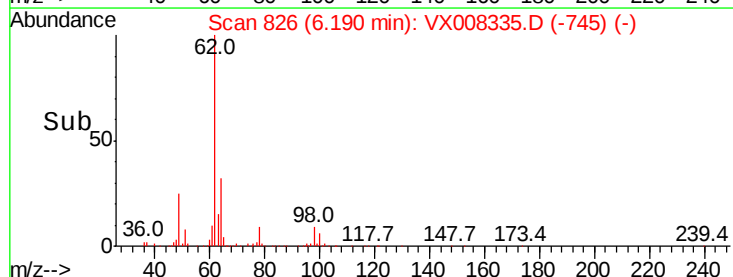
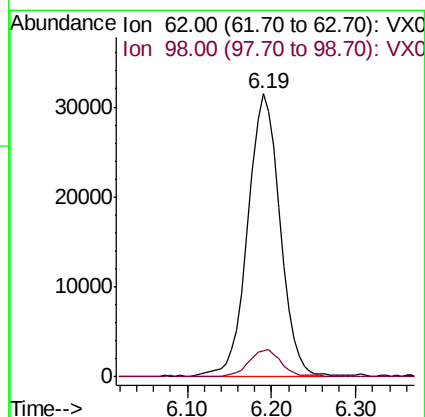
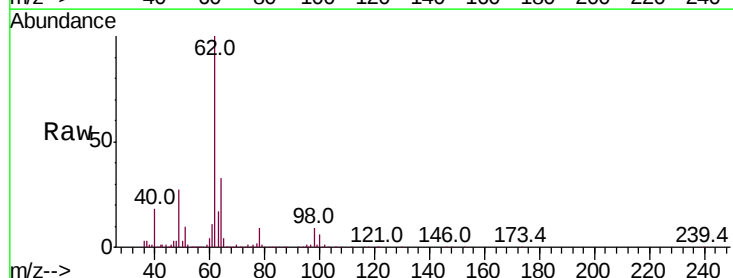
Manual Integrations
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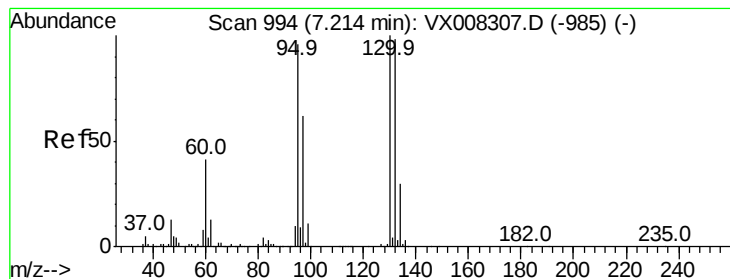
MMDadoda
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#36
1,2-Dichloroethane
Concen: 18.981 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.8	11.8





#37

Trichloroethene

Concen: 19.213 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion:130 Resp: 65606

Ion Ratio Lower Upper

130 100

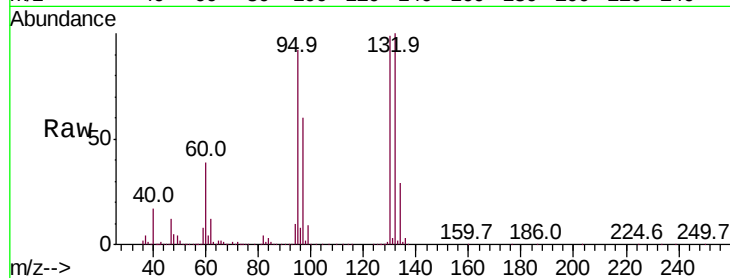
95 93.1 71.3 106.9

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

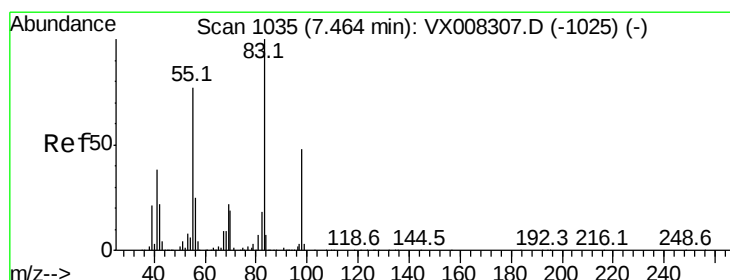
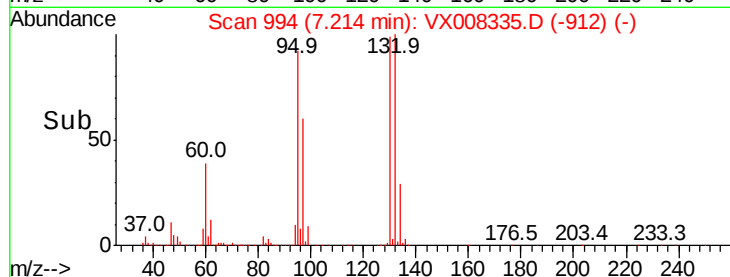
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 19.970 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

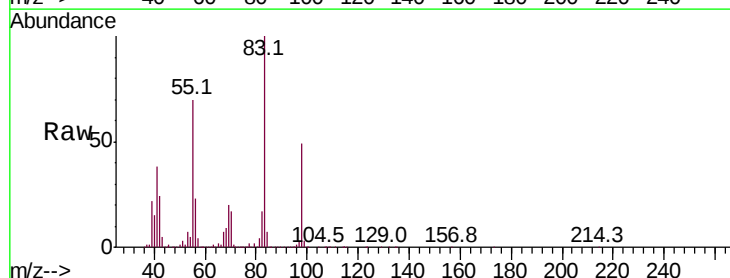
Tgt Ion: 83 Resp: 97583

Ion Ratio Lower Upper

83 100

55 71.2 36.0 108.0

98 48.4 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

60000

50000

40000

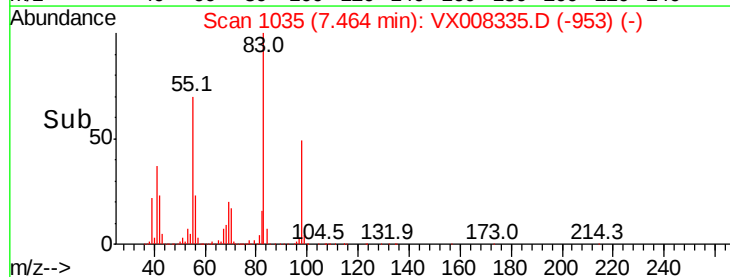
30000

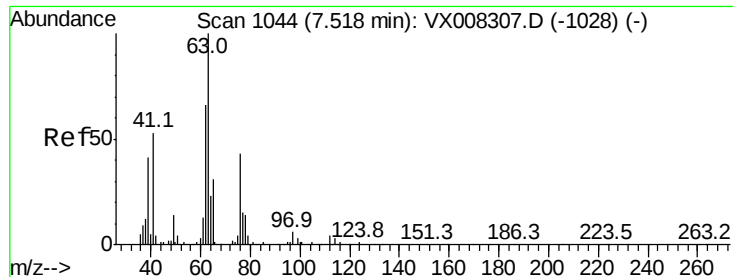
20000

10000

0

Time--> 7.40 7.50 7.60





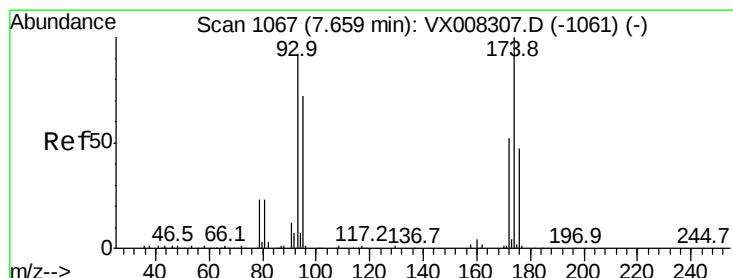
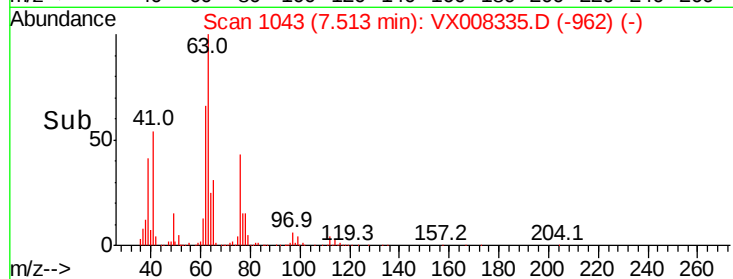
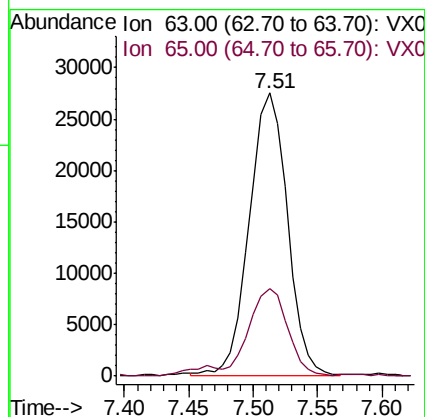
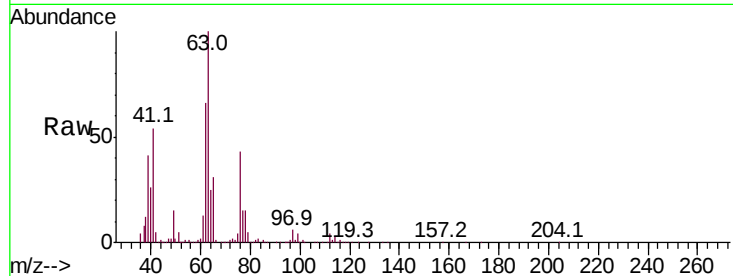
#39
 1,2-Dichloropropane
 Concen: 19.150 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	37.0

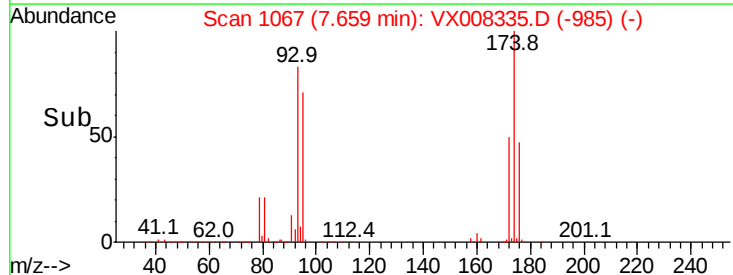
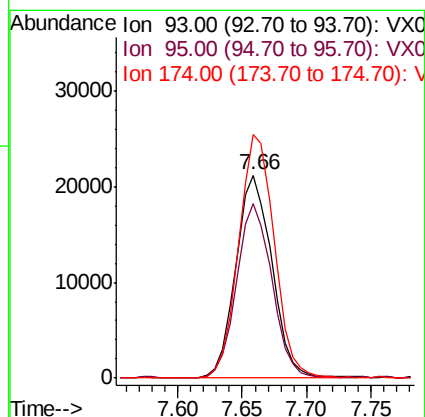
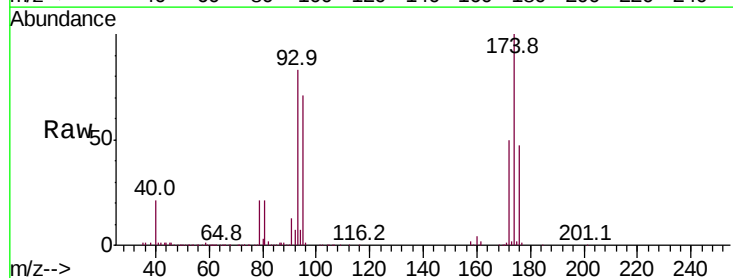
Manual Integrations
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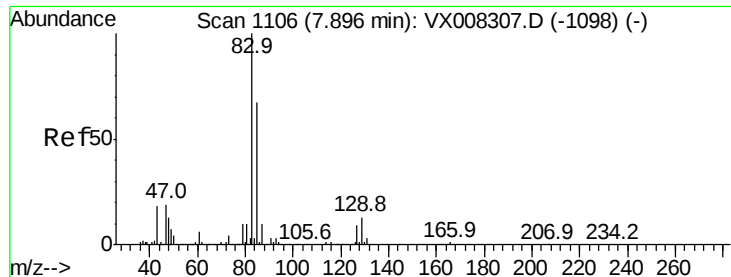
MMDadoda
 3/23/2019 9:33:56 AM



#40
 Dibromomethane
 Concen: 19.025 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	0.0	158.8
174	118.6	0.0	224.2





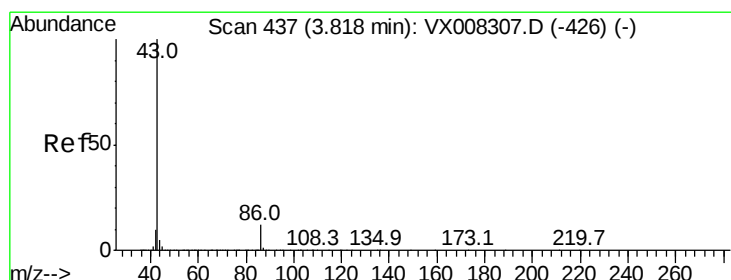
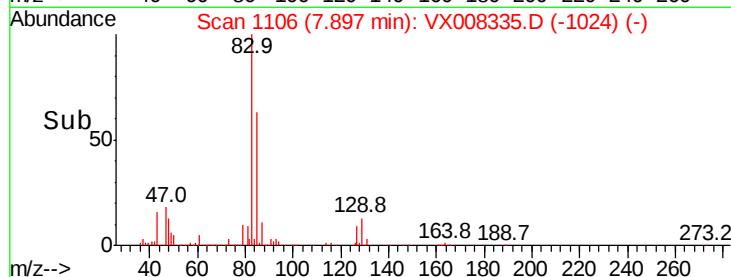
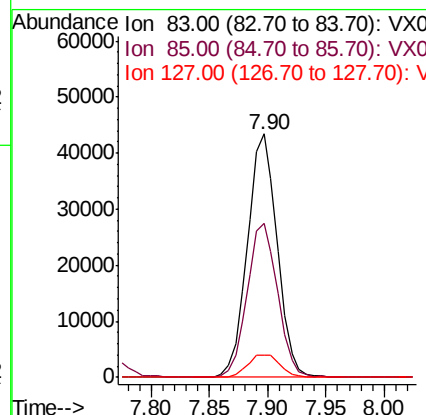
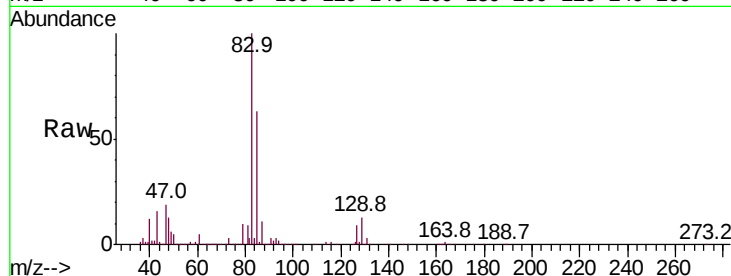
#41
Bromodichloromethane
Concen: 18.857 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	9.2	7.2	10.8

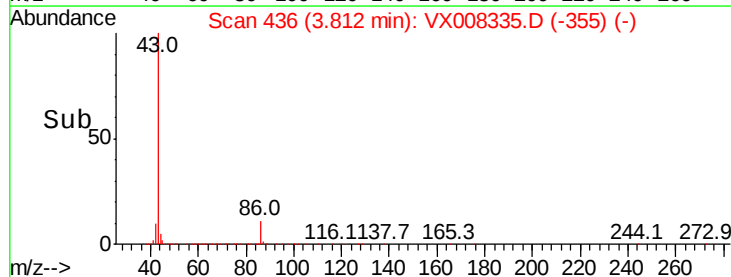
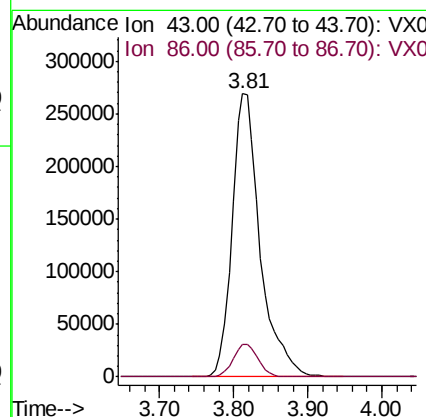
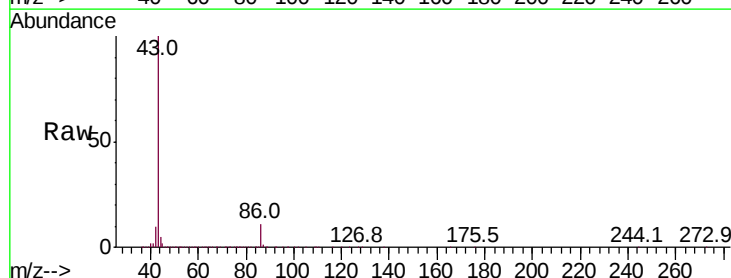
Manual Integrations
APPROVED

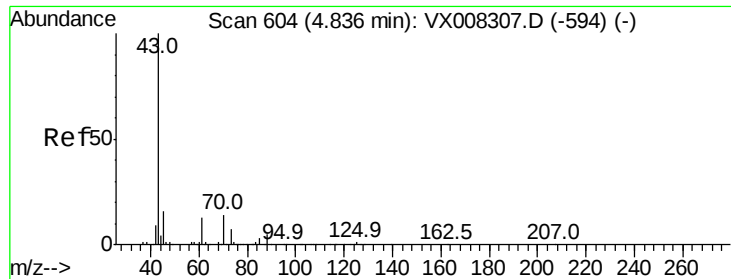
MMDadoda
3/23/2019 9:33:56 AM



#42
Vinyl Acetate
Concen: 93.888 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.2	12.2





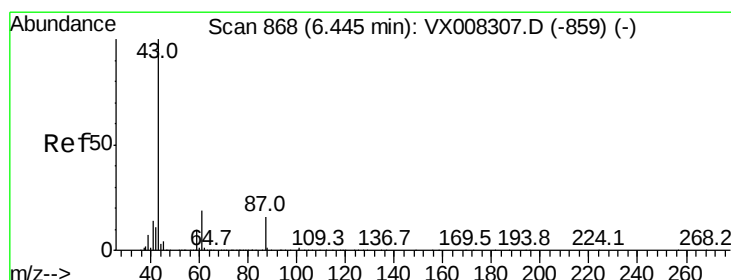
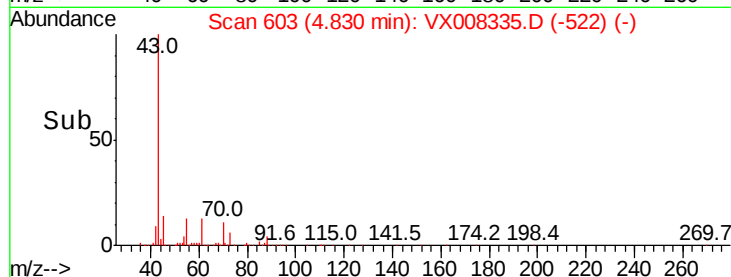
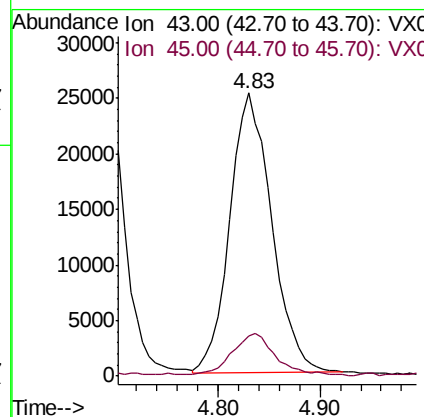
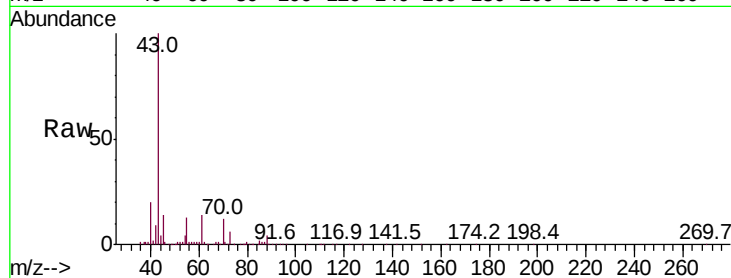
#43
Ethyl Acetate
Concen: 18.146 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVX032219

Tot Ion: 43 Resp: 71931
Ion Ratio Lower Upper
43 100
45 14.8 6.9 10.3#

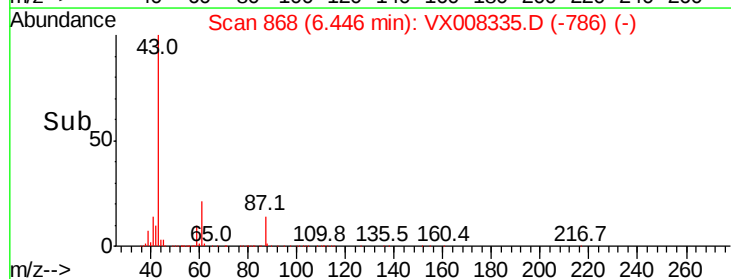
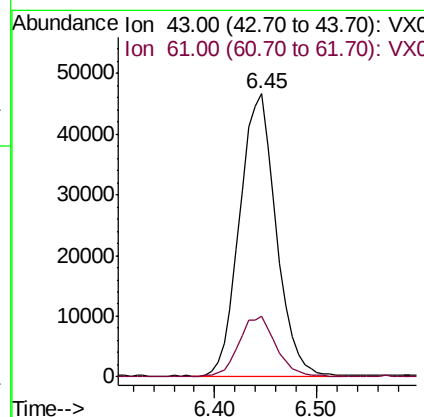
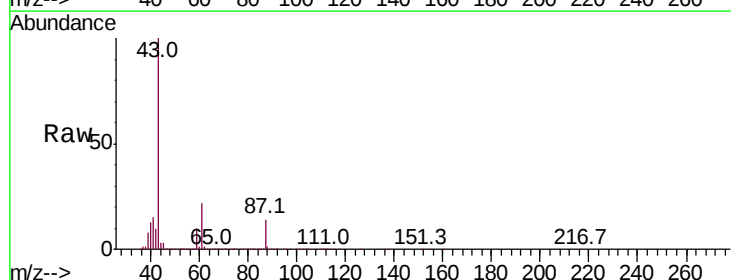
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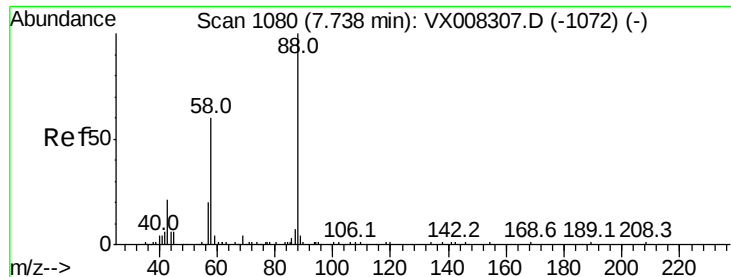
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#44
Isopropyl Acetate
Concen: 18.491 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion: 43 Resp: 115353
Ion Ratio Lower Upper
43 100
61 21.4 16.1 24.1





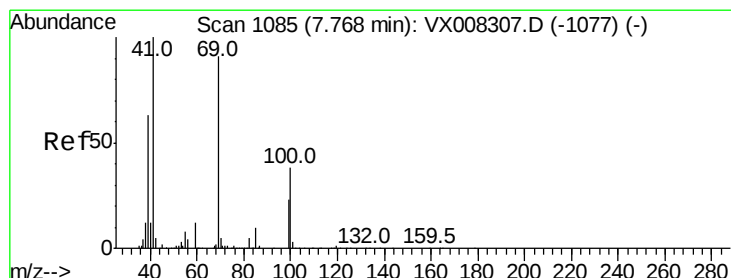
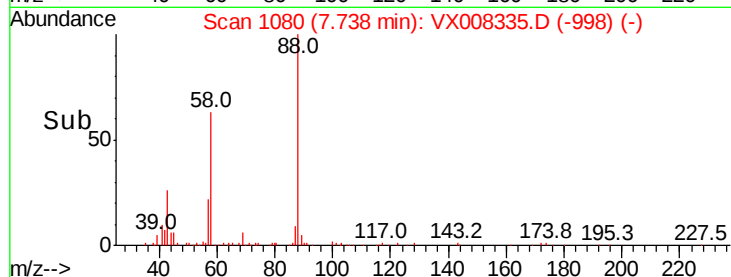
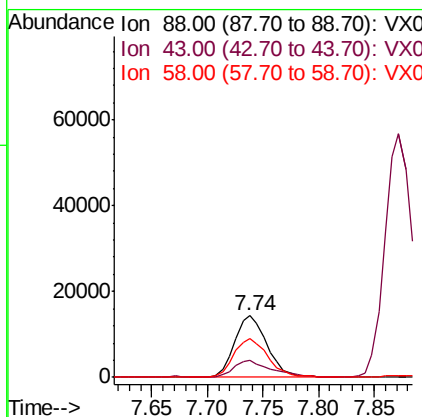
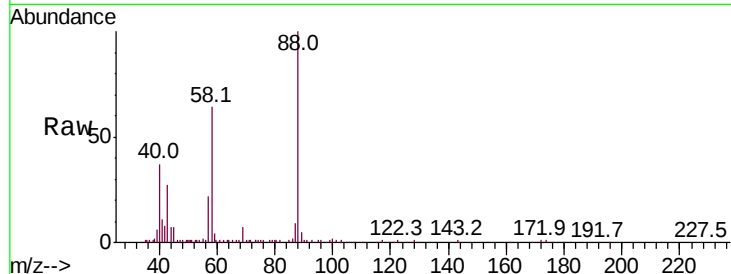
#45
 1,4-Dioxane
 Concen: 369.432 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	23.6	35.4
58	65.4	51.6	77.4

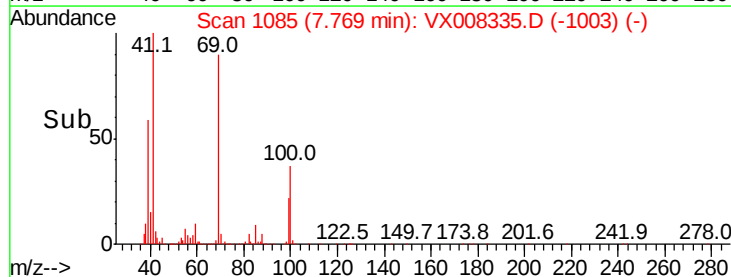
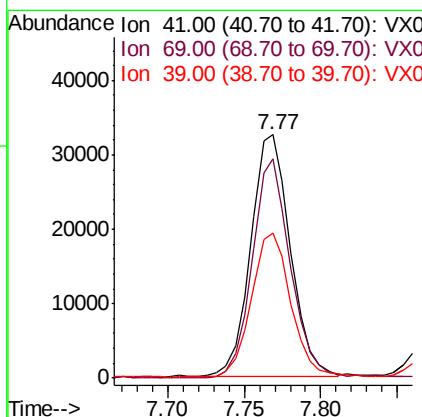
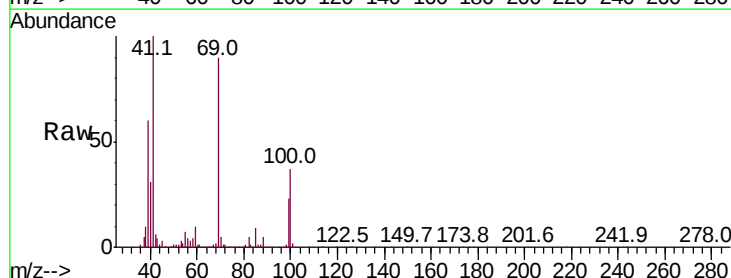
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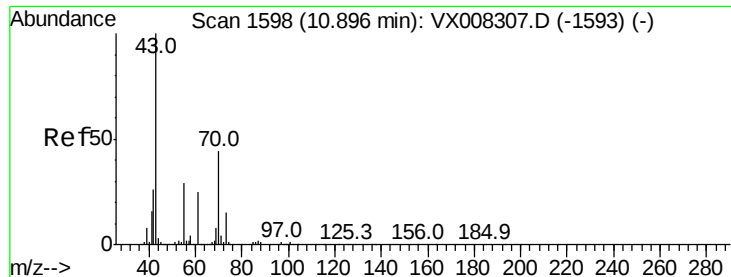
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#46
 Methyl methacrylate
 Concen: 19.067 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.4	44.2	132.6
39	59.6	29.9	89.8





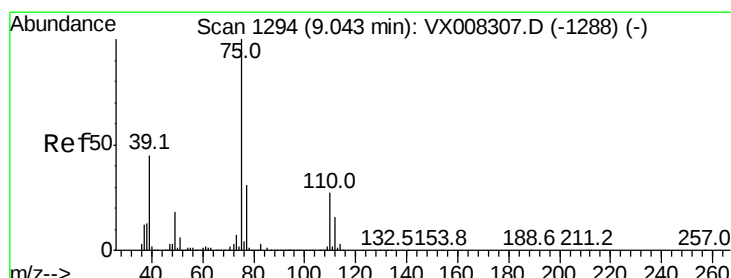
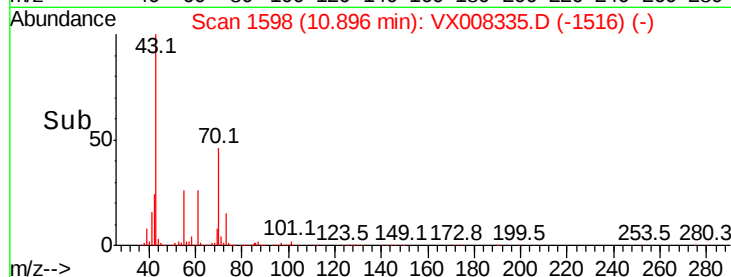
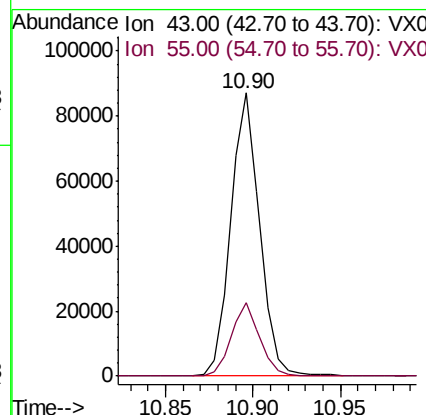
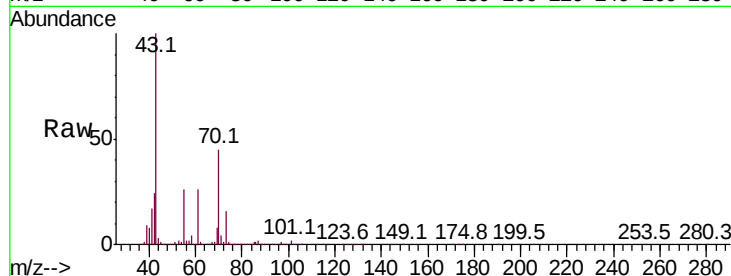
#47
 n-amvl Acetate
 Concen: 18.498 ug/l
 RT: 10.90 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

Tot Ion: 43 Resp: 98935
 Ion Ratio Lower Upper
 43 100
 55 25.6 20.8 31.2

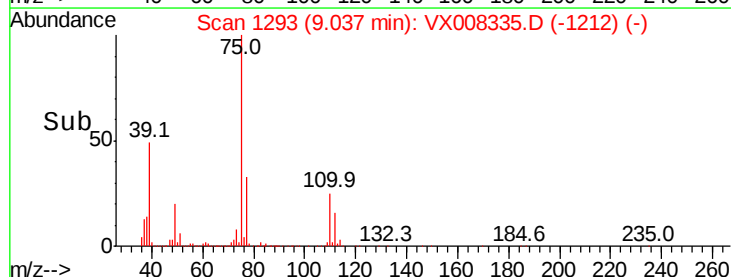
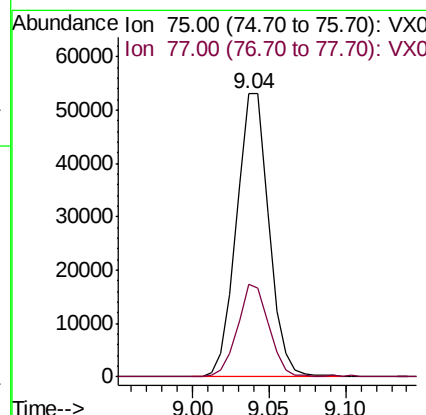
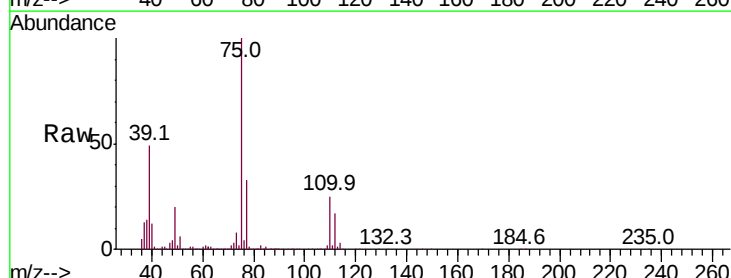
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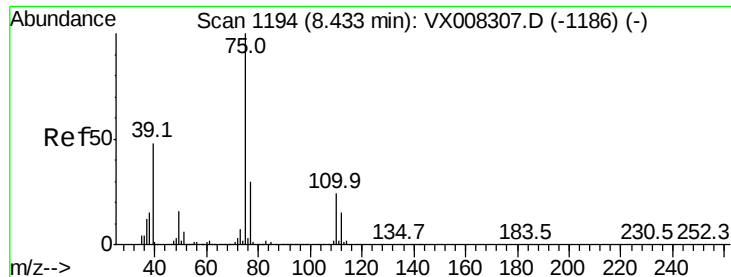
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#48
 t-1,3-Dichloropropene
 Concen: 18.894 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion: 75 Resp: 77801
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.5 36.7





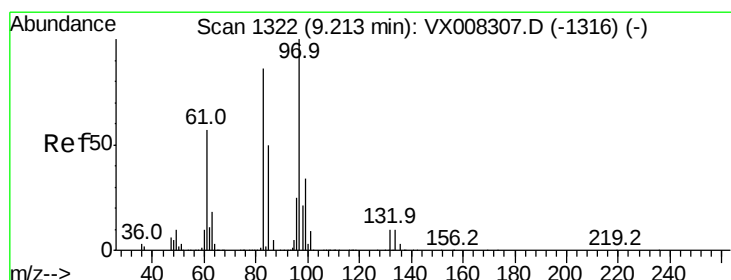
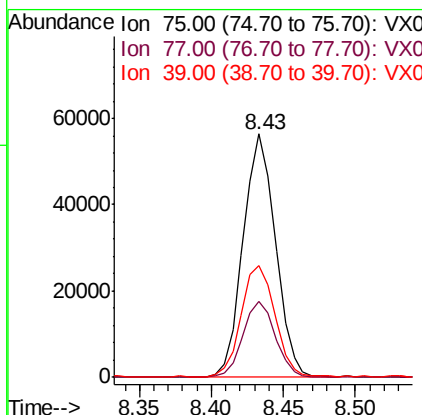
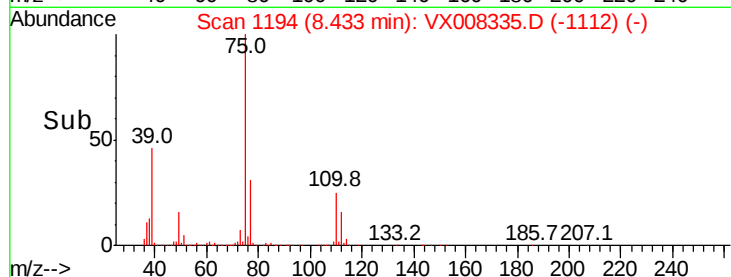
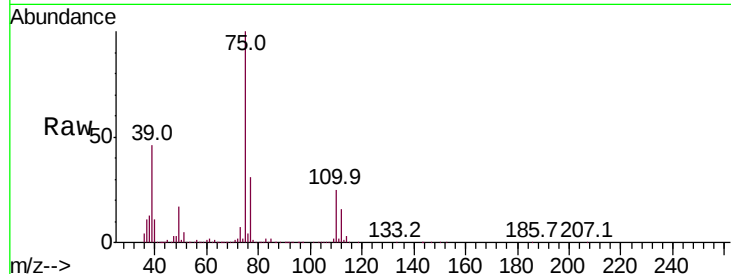
#49
 cis-1,3-Dichloropropene
 Concen: 19.180 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	45.8	38.5	57.7

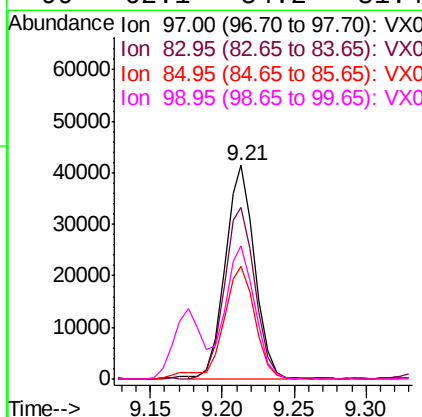
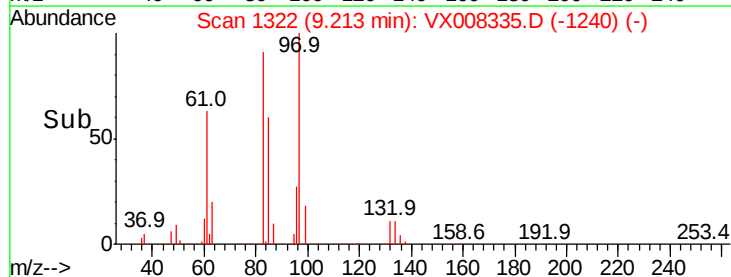
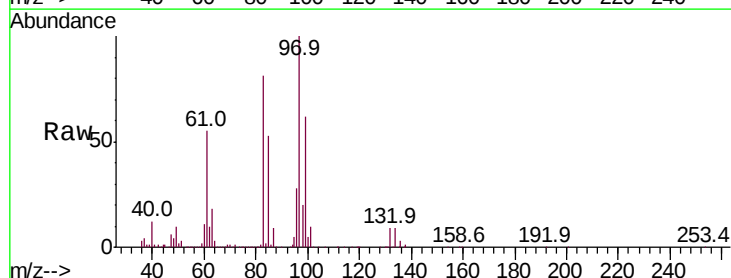
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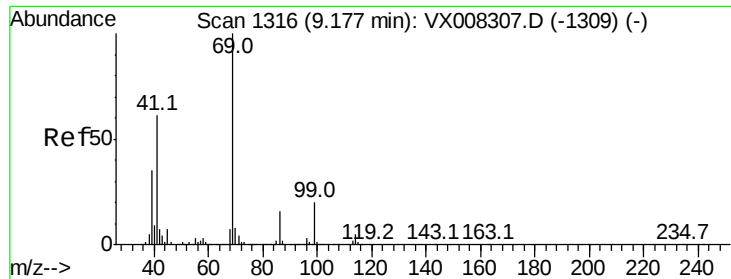
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#50
 1,1,2-Trichloroethane
 Concen: 19.112 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.6	72.0	108.0
85	52.6	45.0	67.6
99	62.1	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.524 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

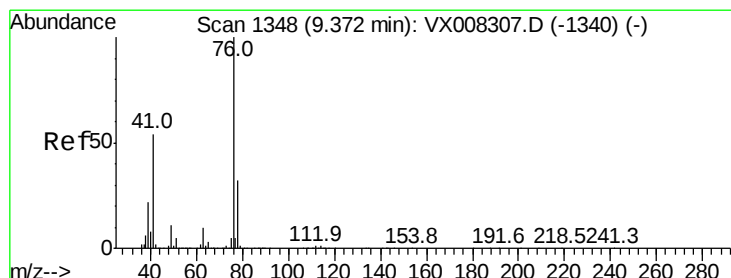
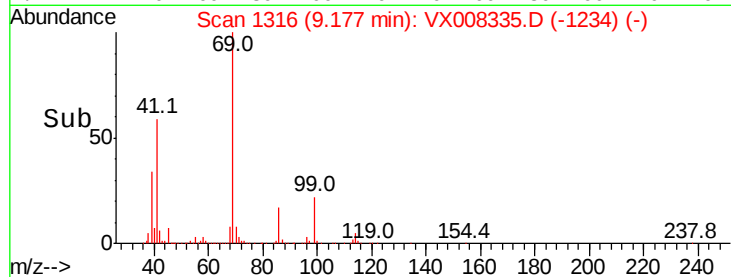
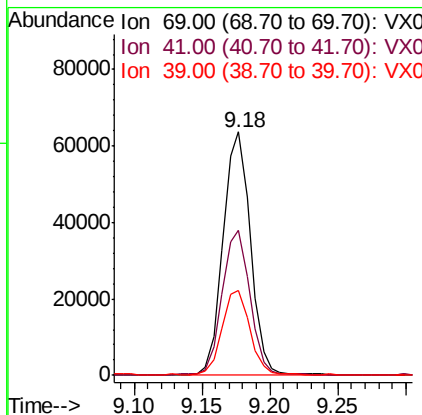
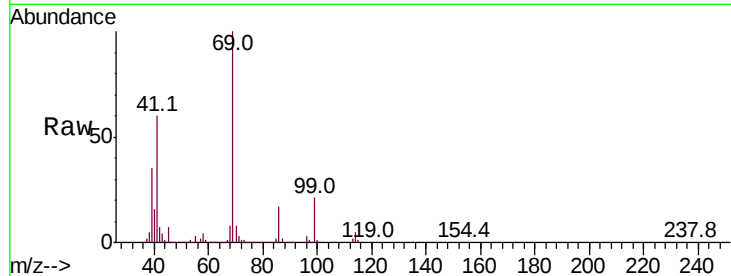
ClientSampleId :

ICVVX032219

Tot Ion:	69	Resp:	88750
Ion Ratio	Lower	Upper	
69	100		
41	59.3	32.1	96.5
39	34.7	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 19.093 ug/l

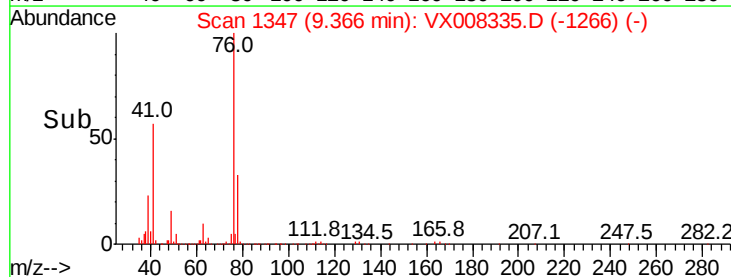
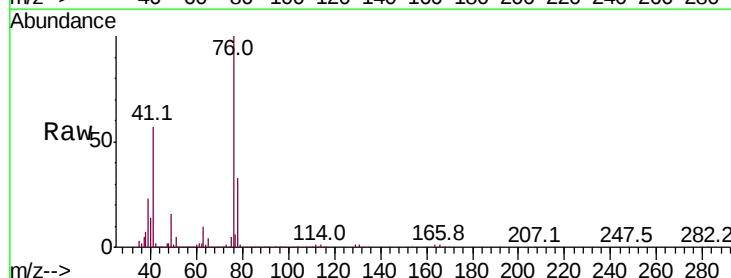
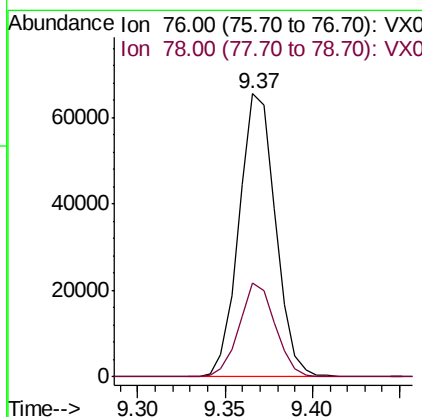
RT: 9.37 min Scan# 1347

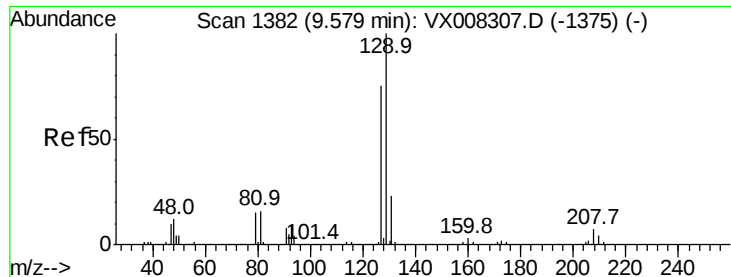
Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion:	76	Resp:	95343
Ion Ratio	Lower	Upper	
76	100		
78	32.8	0.0	65.2





#53

Dibromochloromethane

Concen: 19.033 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion:129 Resp: 66804

Ion Ratio Lower Upper

129 100

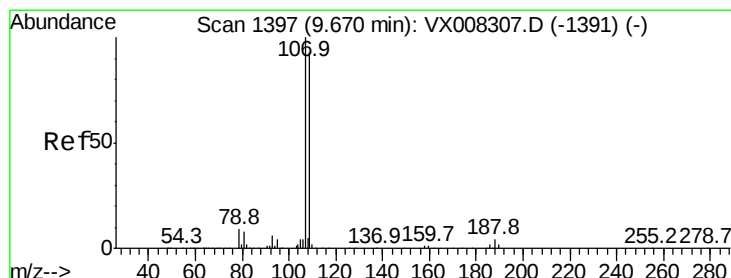
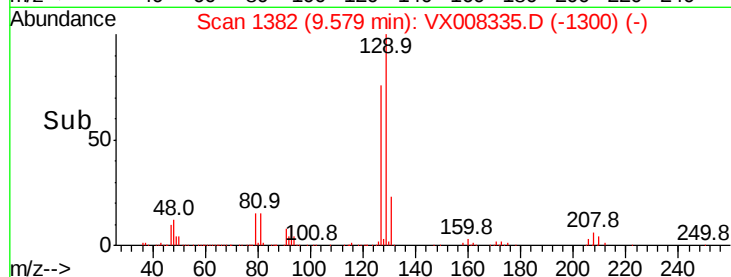
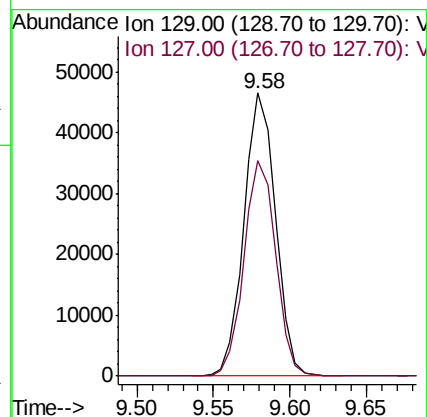
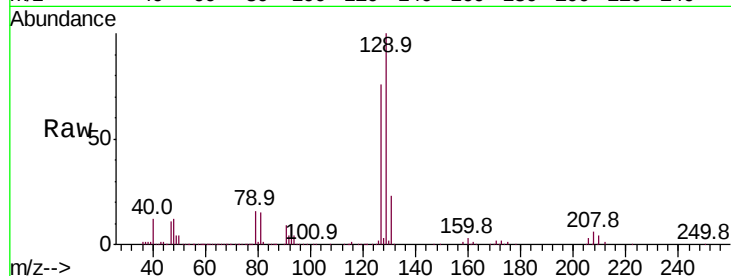
127 76.6 38.4 115.2

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#54

1,2-Dibromoethane

Concen: 19.078 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008335.D

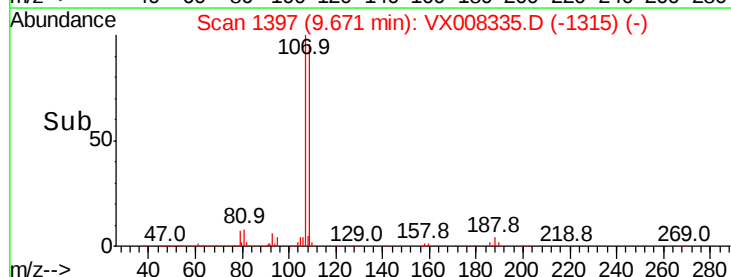
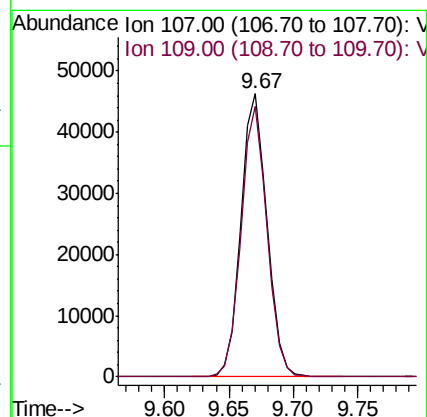
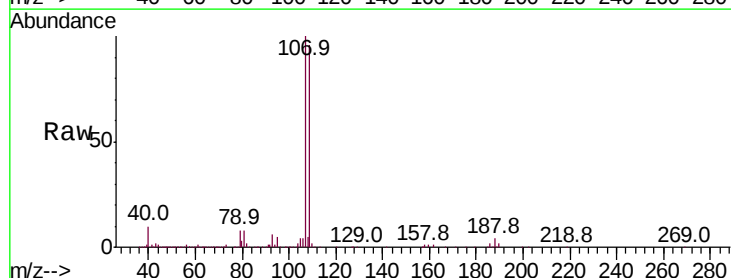
Acq: 22 Mar 2019 13:19

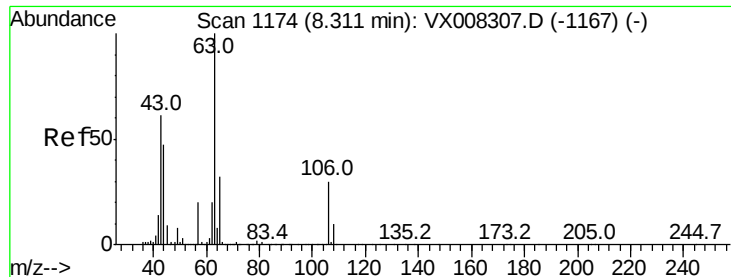
Tgt Ion:107 Resp: 65175

Ion Ratio Lower Upper

107 100

109 94.6 76.6 115.0





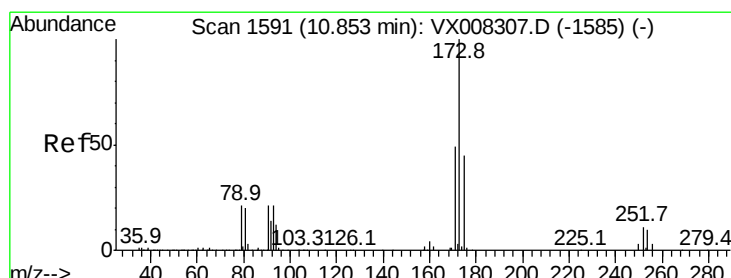
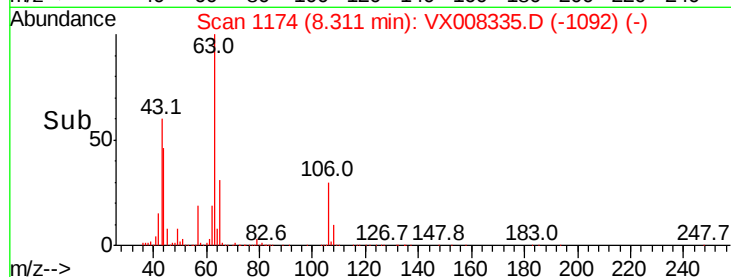
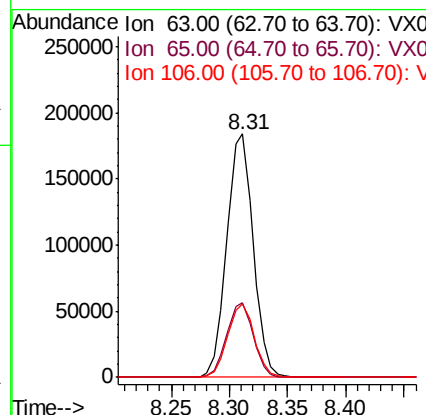
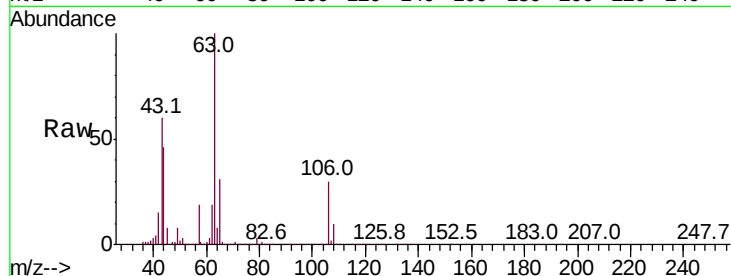
#55
2-Chloroethyl vinyl ether
Concen: 126.267 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.7	38.5
106	30.5	23.7	35.5

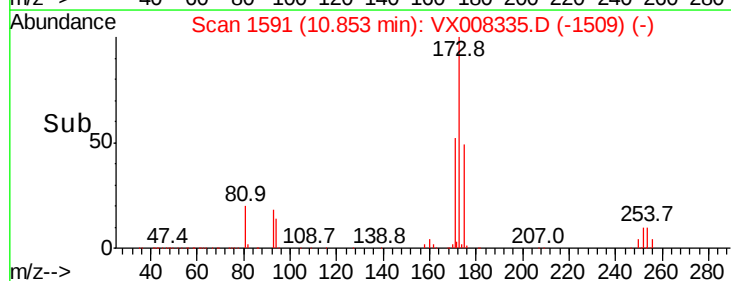
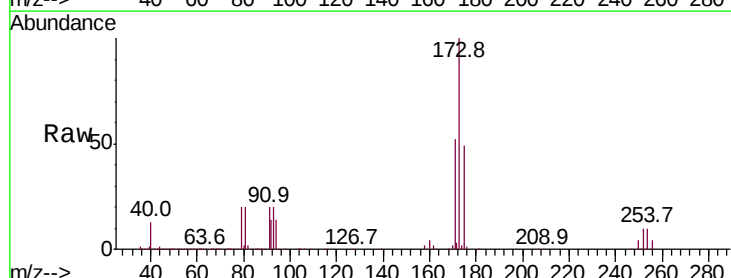
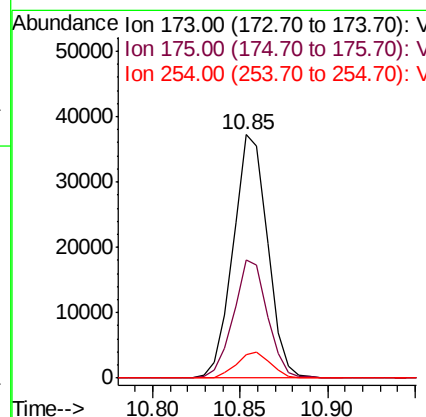
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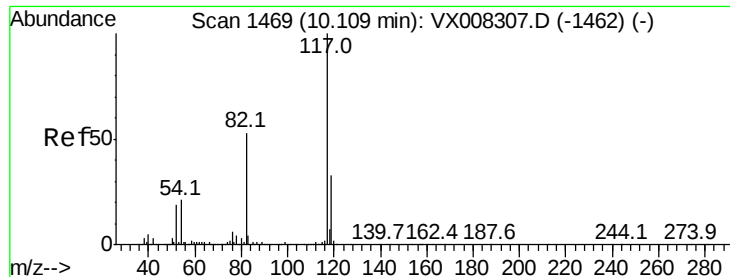
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#56
Bromoform
Concen: 18.394 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.5	57.7
254	10.6	7.4	11.2





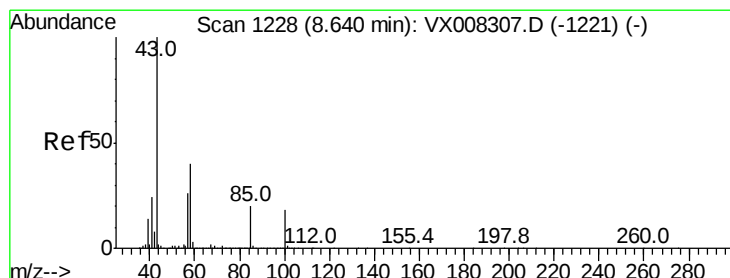
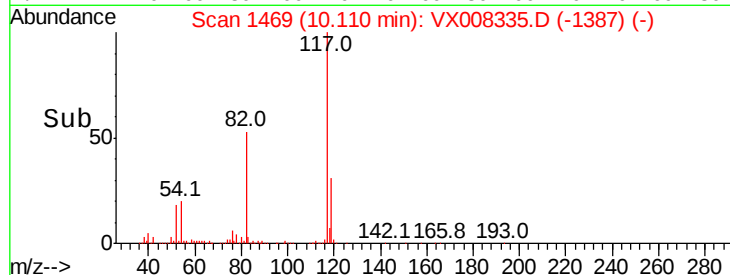
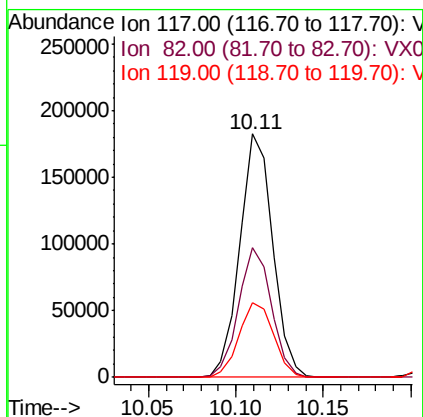
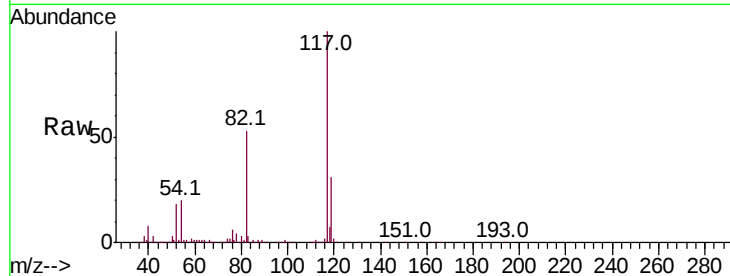
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Resp	Lower	Upper
117	100	239661		
82	53.0		40.4	60.6
119	32.2		25.8	38.6

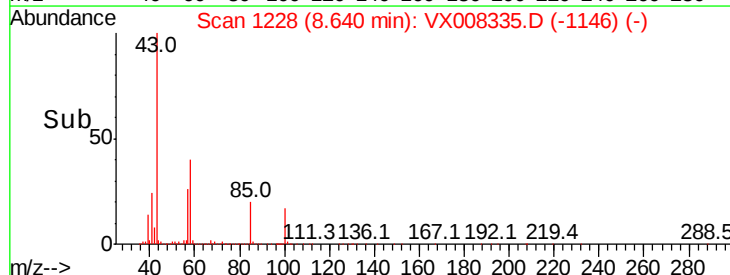
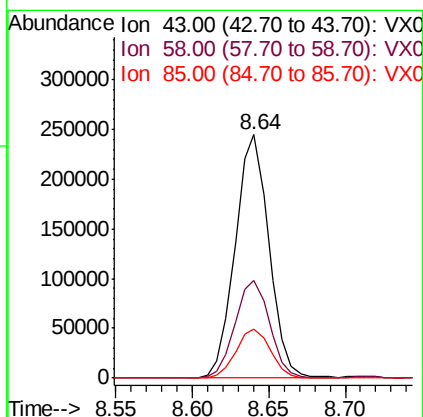
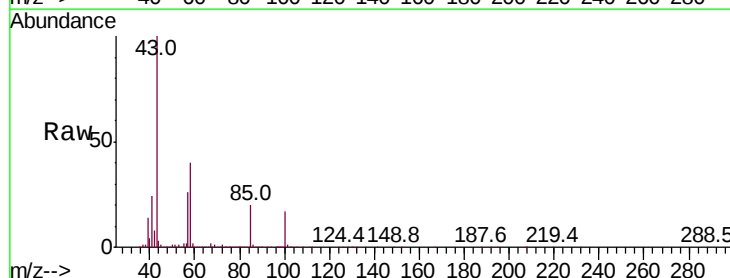
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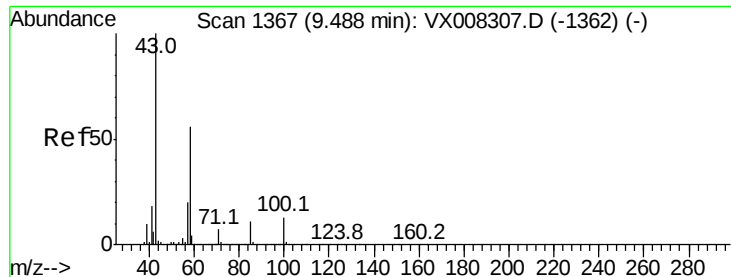
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#58
4-Methyl-2-Pentanone
Concen: 92.852 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	374676		
58	41.2		31.4	47.0
85	20.8		15.0	22.6





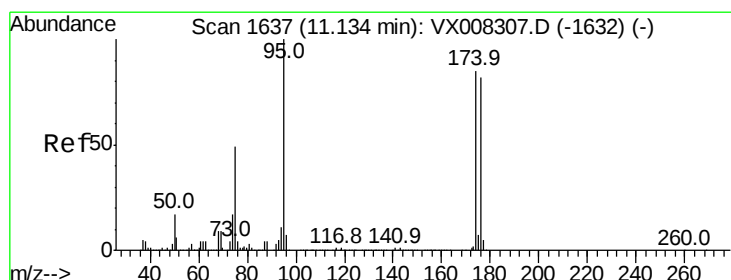
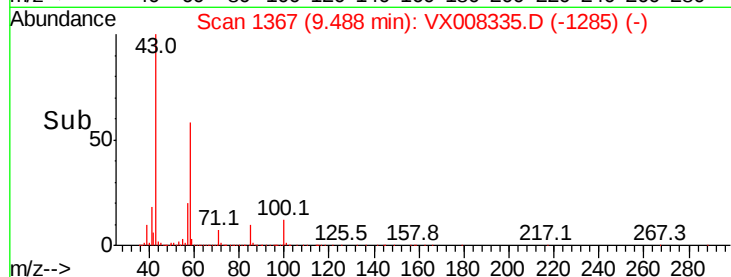
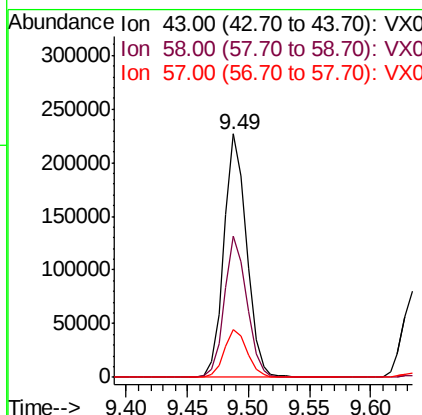
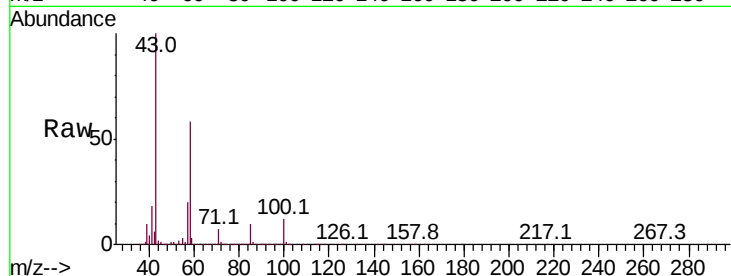
#59
2-Hexanone
Concen: 91.395 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	43.9	65.9
57	19.7	14.9	22.3

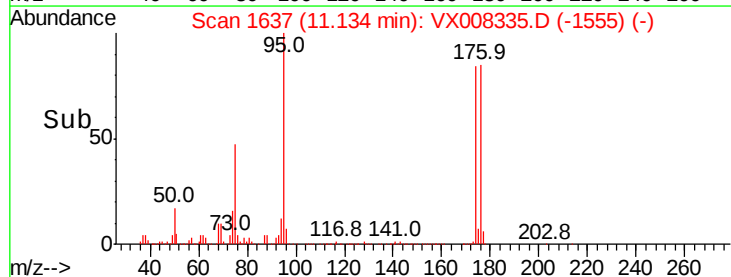
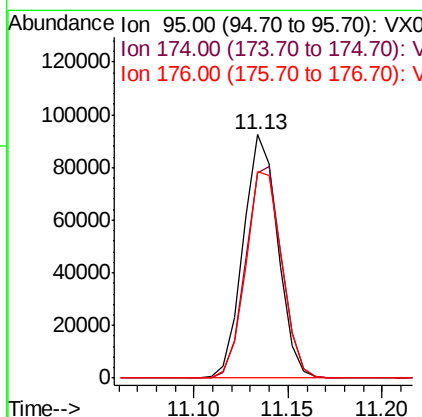
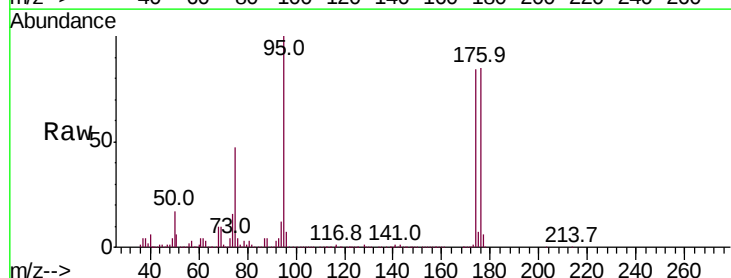
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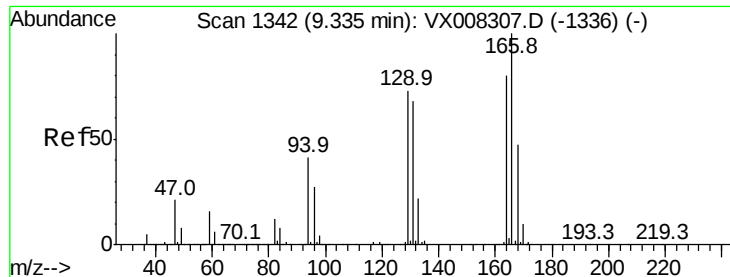
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#60
4-Bromofluorobenzene
Concen: 30.217 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	74.9	112.3
176	88.1	70.7	106.1





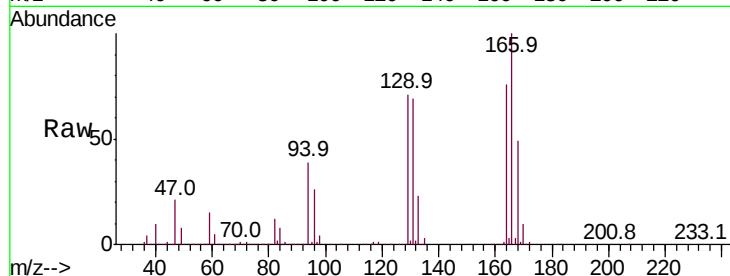
#61
Tetrachloroethene
Concen: 19.426 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.9	155.9
129	93.4	74.7	112.1
131	91.2	71.7	107.5

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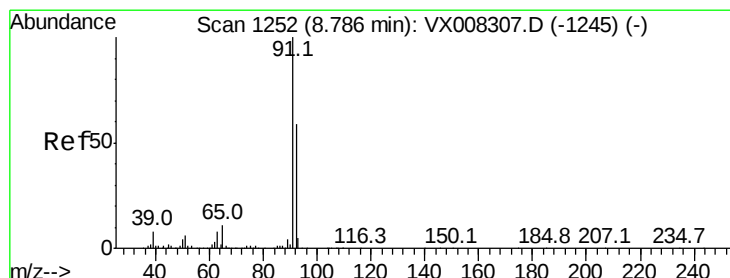
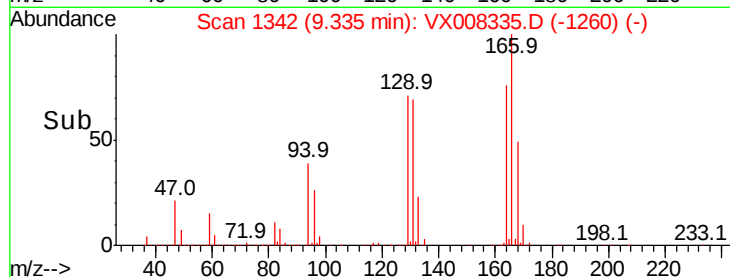
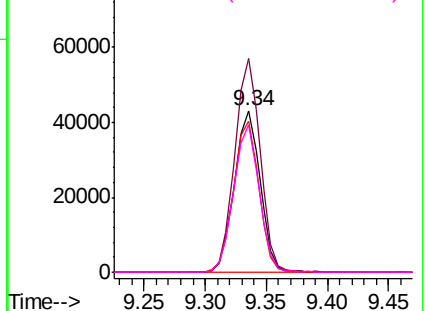
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

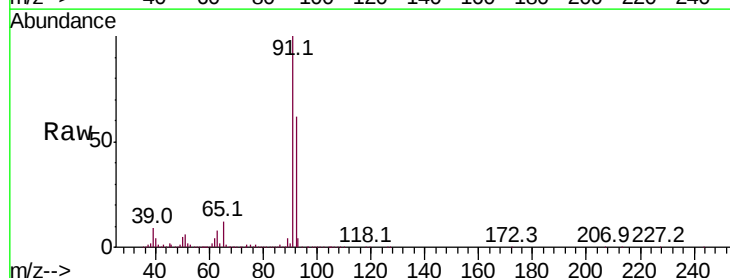
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 18.909 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

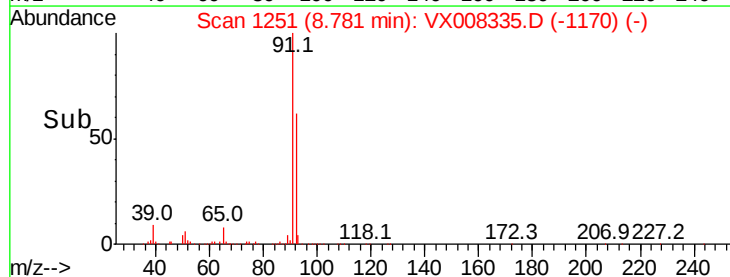
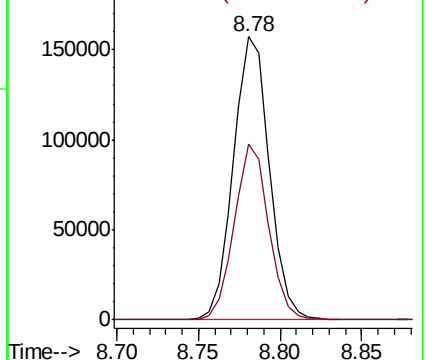
Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.0	46.4	69.6

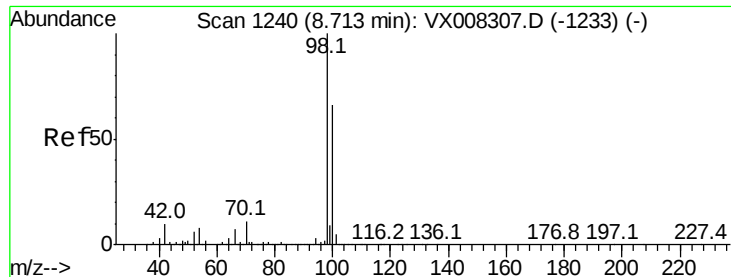


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.748 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion: 98 Resp: 321217

Ion Ratio Lower Upper

98 100

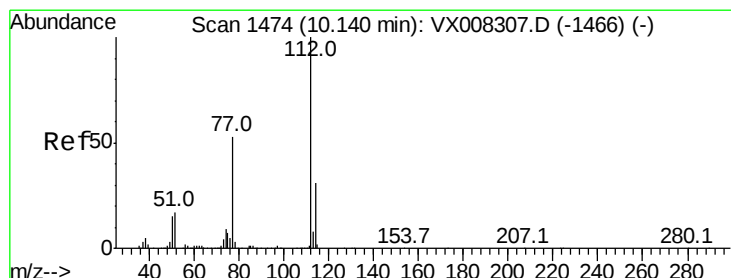
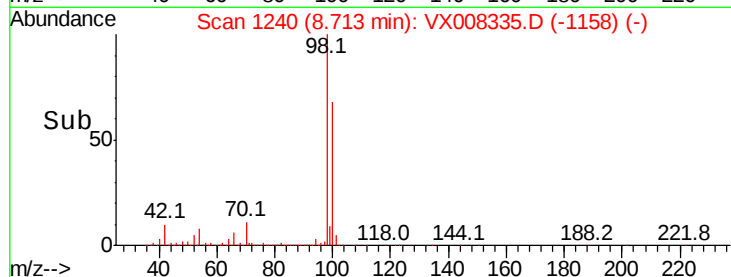
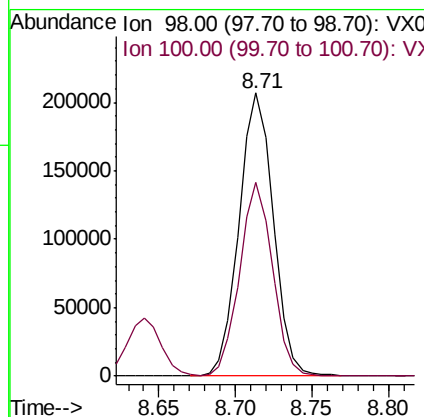
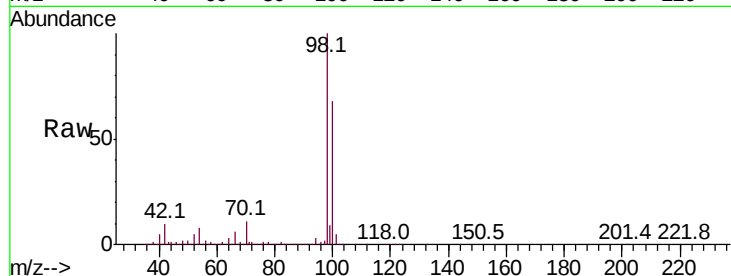
100 65.5 50.9 76.3

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#64

Chlorobenzene

Concen: 19.259 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008335.D

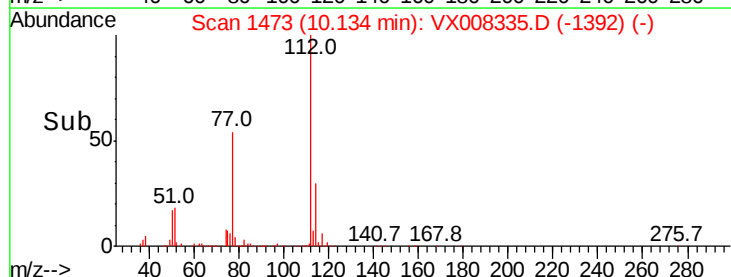
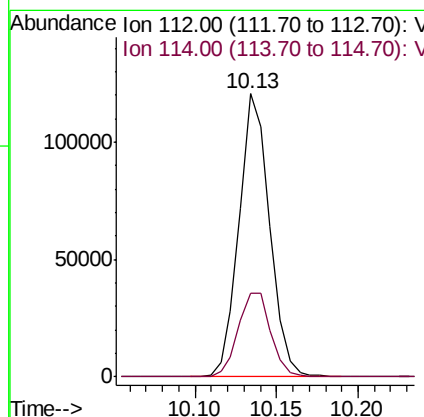
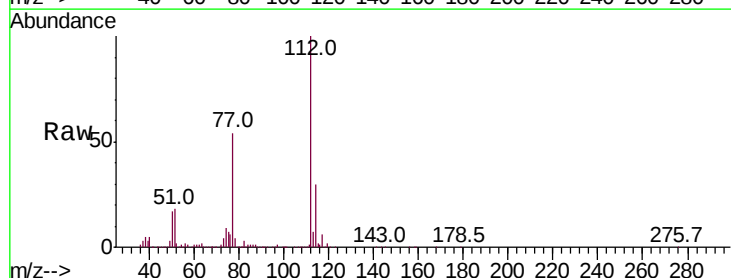
Acq: 22 Mar 2019 13:19

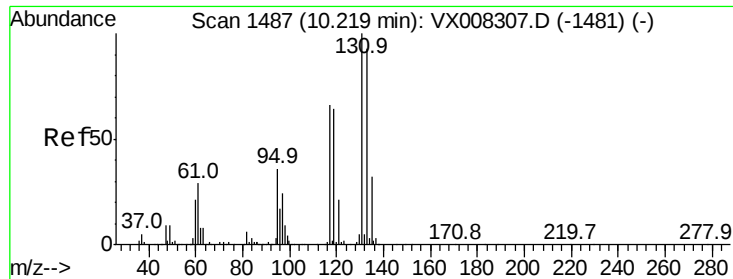
Tgt Ion: 112 Resp: 157944

Ion Ratio Lower Upper

112 100

114 29.7 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.293 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

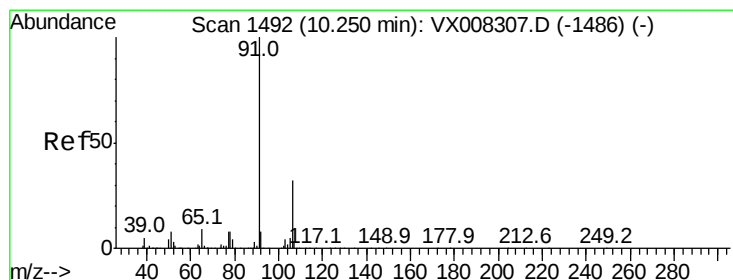
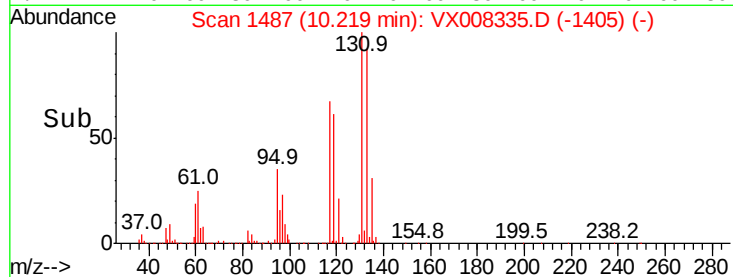
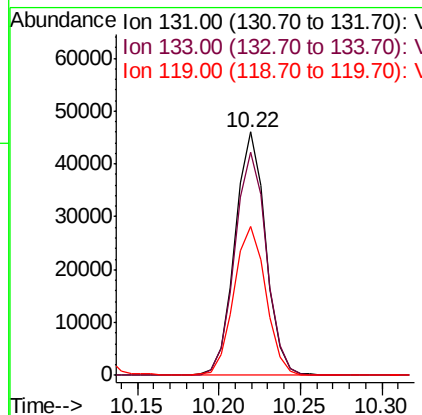
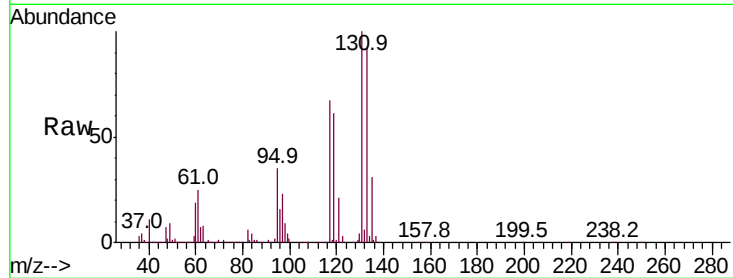
ClientSampleId :

ICVVX032219

Tot Ion	Ratio	Resp	Lower	Upper
131	100	60432		
133	94.4	0.0	191.6	
119	63.9	0.0	127.4	

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#66

Ethyl Benzene

Concen: 19.584 ug/l

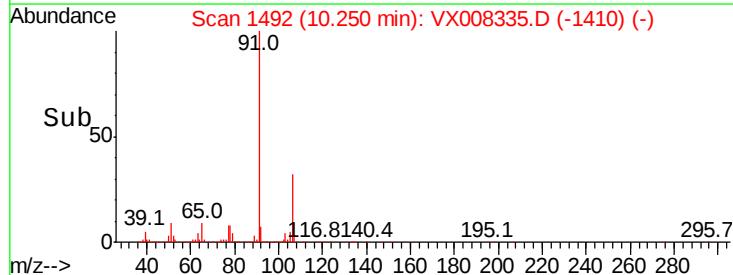
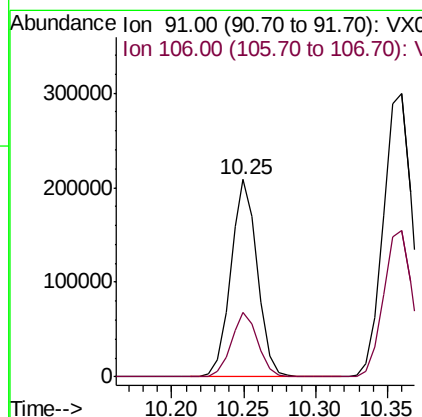
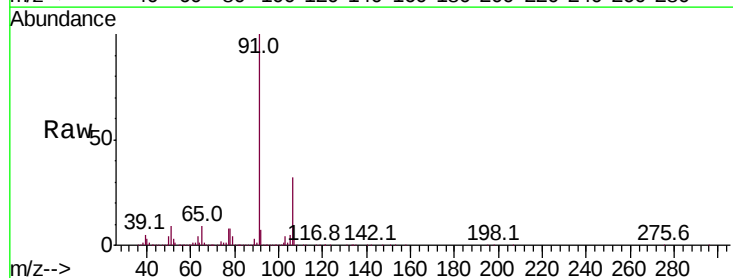
RT: 10.25 min Scan# 1492

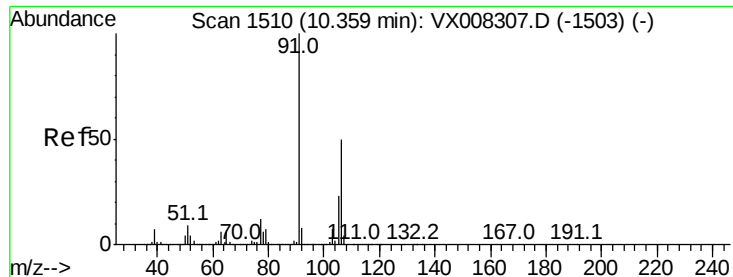
Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	269436		
106	32.4	26.0	39.0	





#67

m/p-Xvlenes

Concen: 38.889 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion:106 Resp: 212645

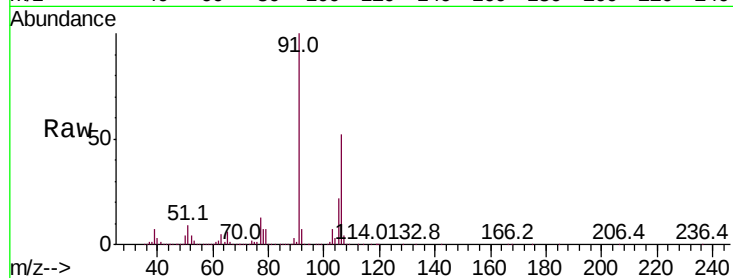
Ion Ratio Lower Upper

106 100

91 195.1 157.0 235.4

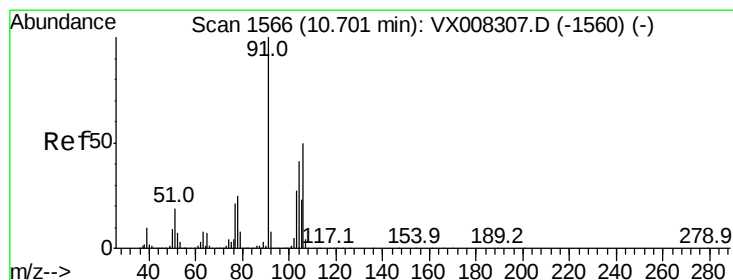
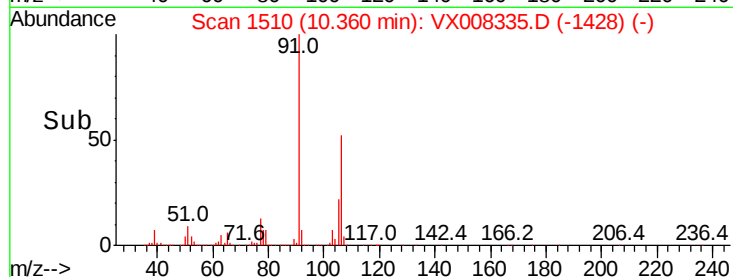
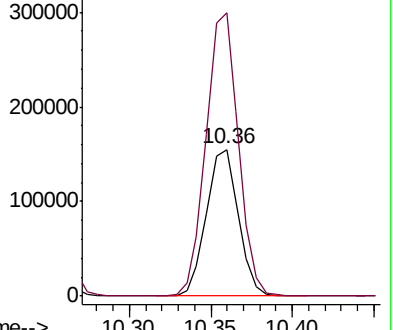
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.387 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX008335.D

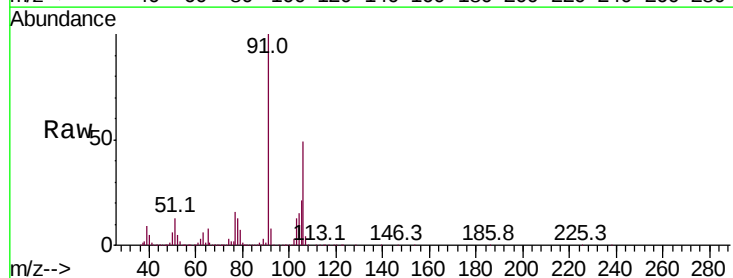
Acq: 22 Mar 2019 13:19

Tgt Ion:106 Resp: 101833

Ion Ratio Lower Upper

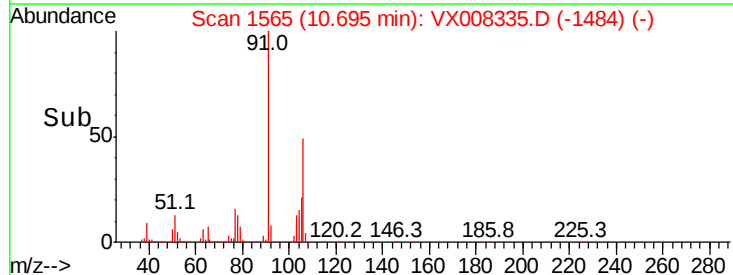
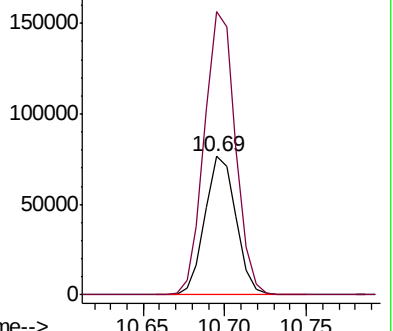
106 100

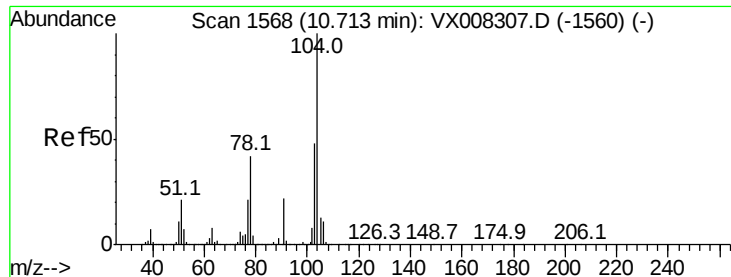
91 203.6 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





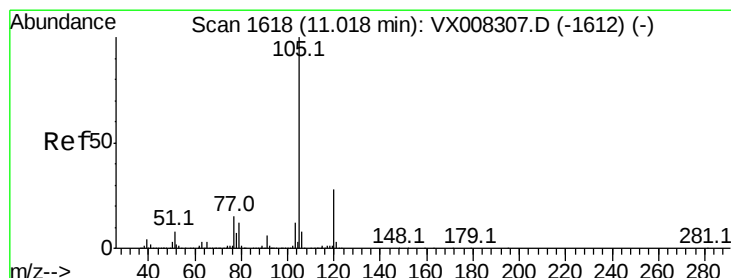
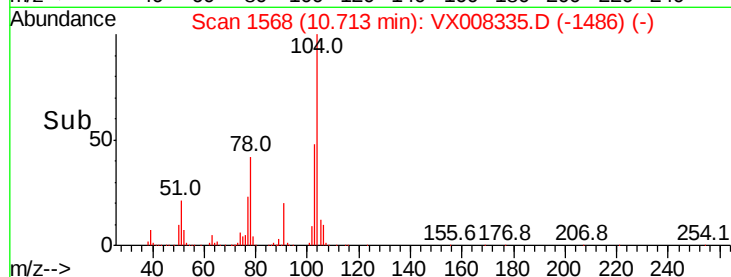
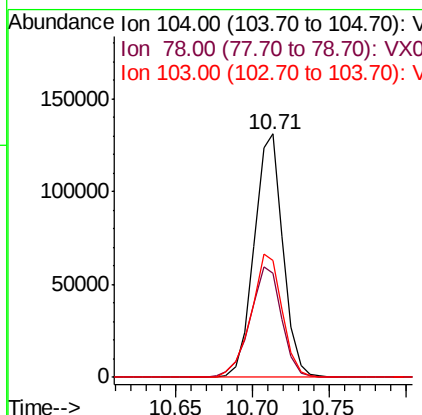
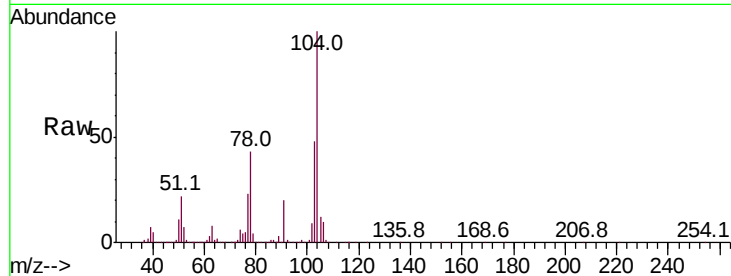
#69
Stvrene
Concen: 19.385 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.7	38.2	57.2
103	54.7	45.0	67.4

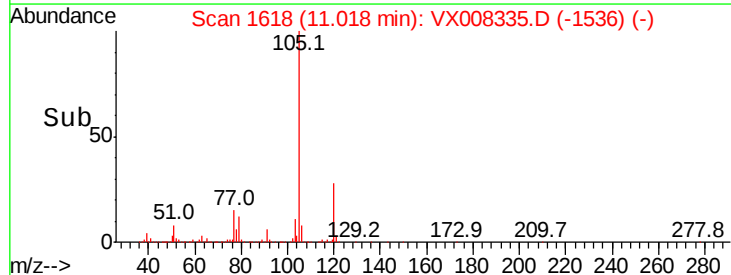
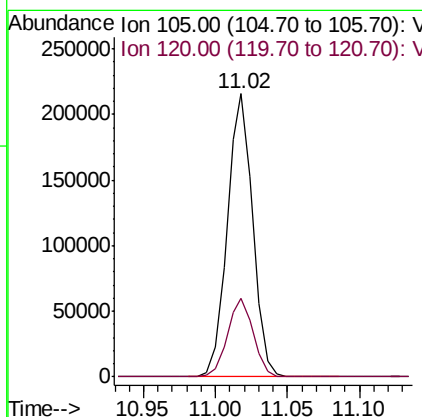
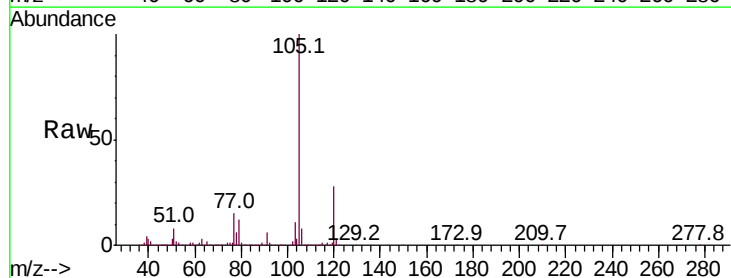
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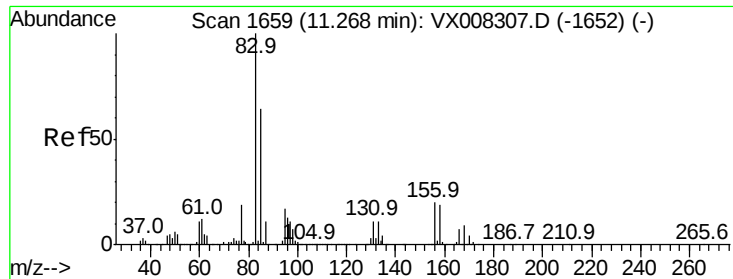
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#70
Isopropylbenzene
Concen: 19.368 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 18.680 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion: 83 Resp: 88032

Ion Ratio Lower Upper

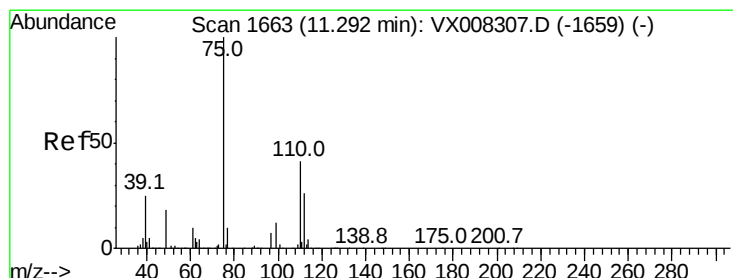
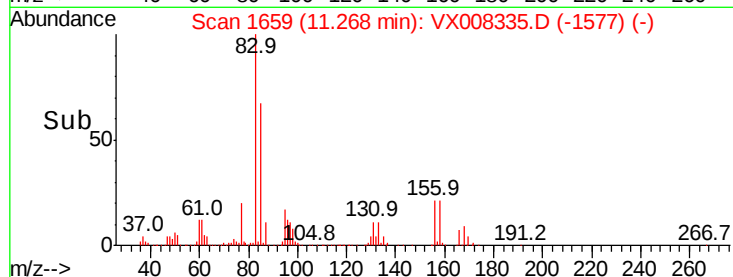
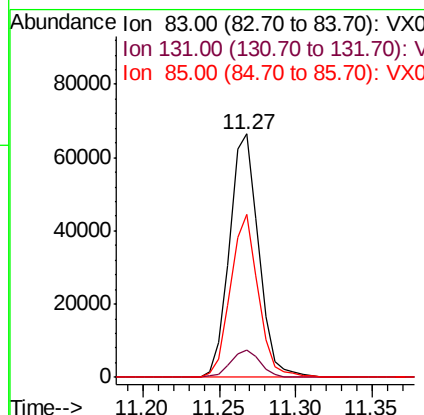
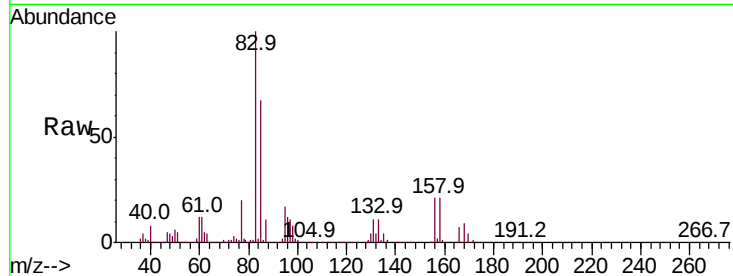
83 100

131 11.4 5.4 16.2

85 63.8 32.8 98.4

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#72

1,2,3-Trichloropropane

Concen: 21.715 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008335.D

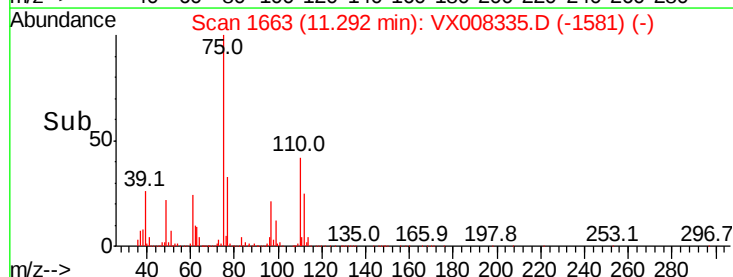
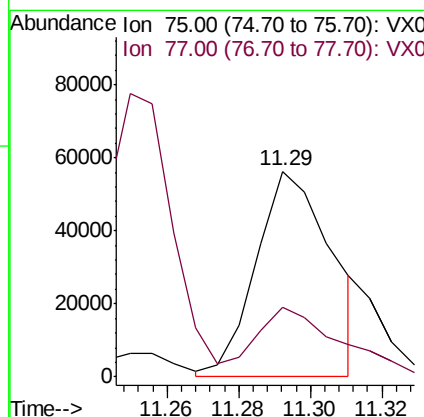
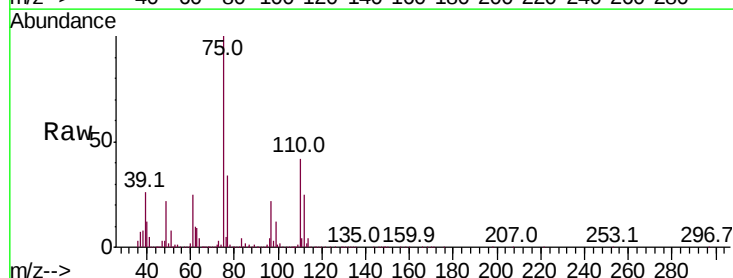
Acq: 22 Mar 2019 13:19

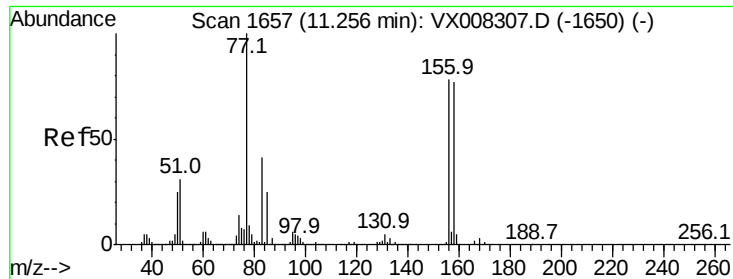
Tgt Ion: 75 Resp: 82433

Ion Ratio Lower Upper

75 100

77 37.9 0.0 76.4





#73

Bromobenzene

Concen: 19.411 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

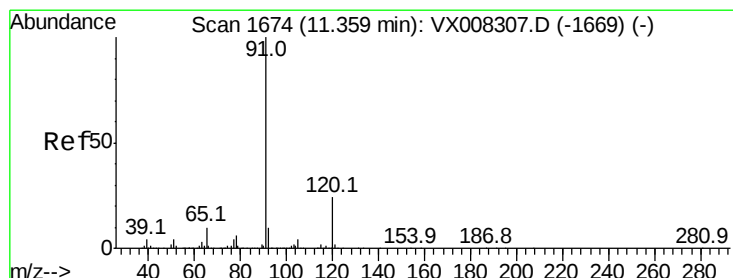
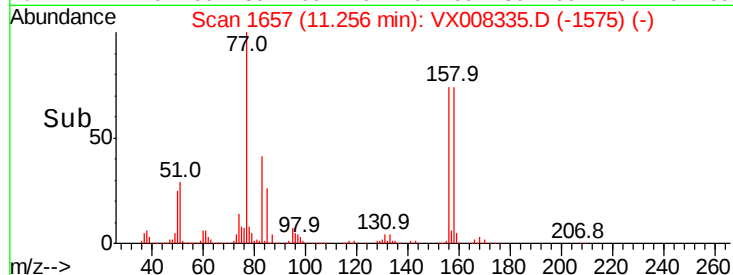
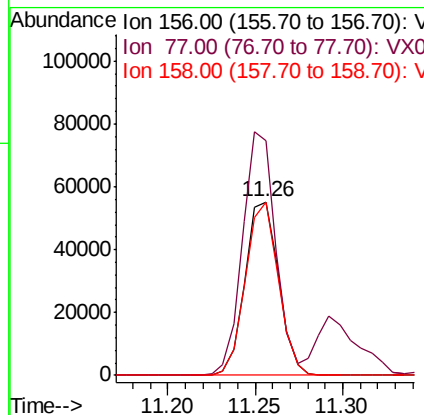
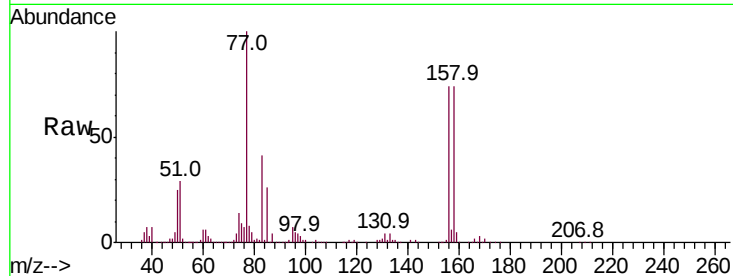
ClientSampleId :

ICVVX032219

Tot Ion	Ratio	Lower	Upper
156	100		
77	137.0	0.0	271.4
158	96.8	0.0	194.0

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#74

n-propylbenzene

Concen: 19.658 ug/l

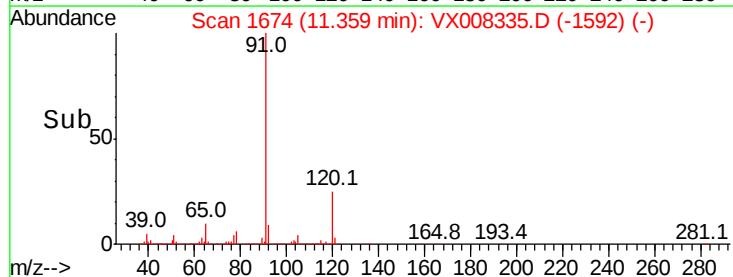
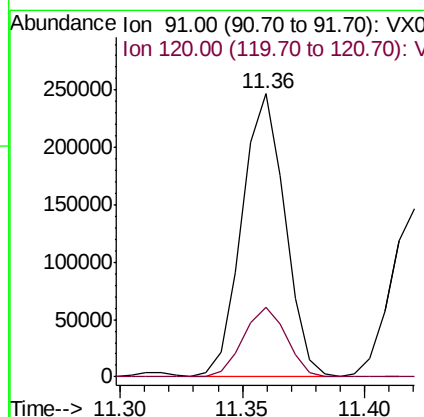
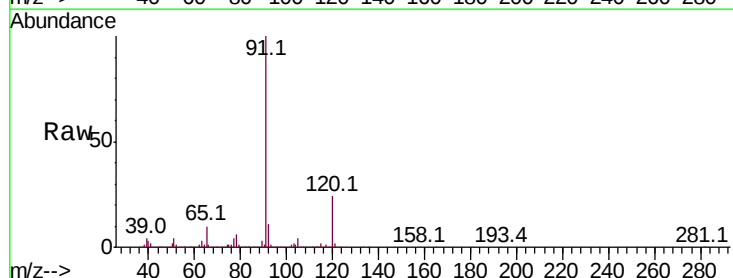
RT: 11.36 min Scan# 1674

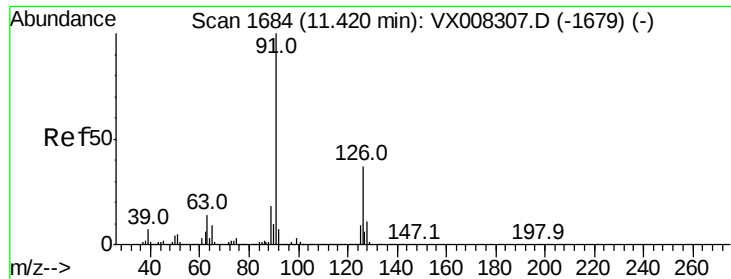
Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.468 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion: 91 Resp: 179093

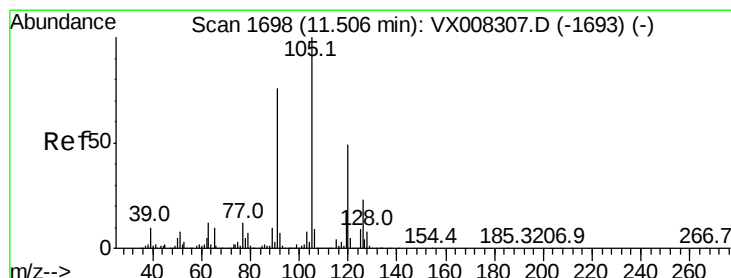
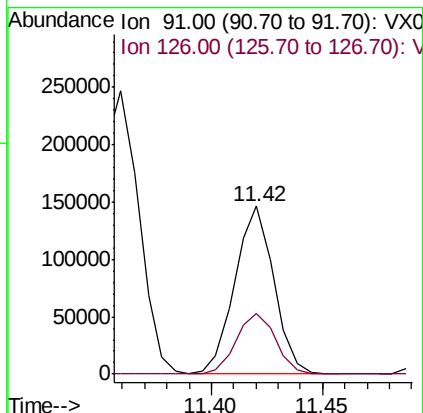
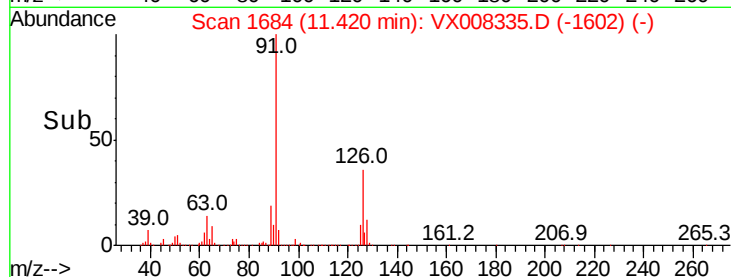
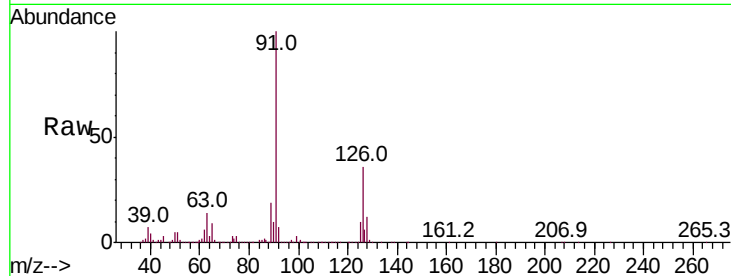
Ion Ratio Lower Upper

91 100

126 36.6 0.0 75.2

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#76

1,3,5-Trimethylbenzene

Concen: 19.547 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008335.D

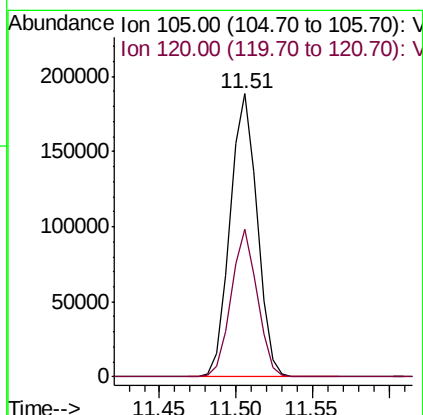
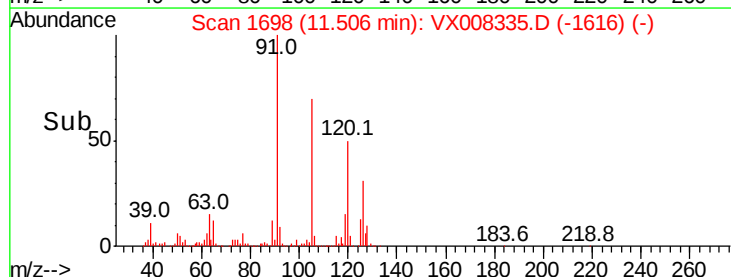
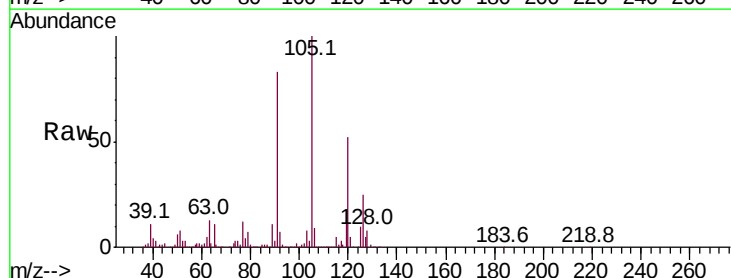
Acq: 22 Mar 2019 13:19

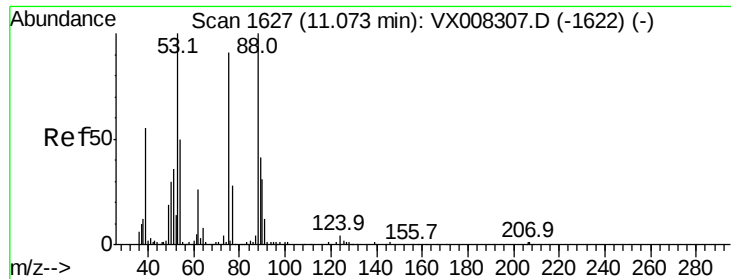
Tgt Ion: 105 Resp: 230781

Ion Ratio Lower Upper

105 100

120 50.1 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.373 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion: 75 Resp: 24709

Ion Ratio Lower Upper

75 100

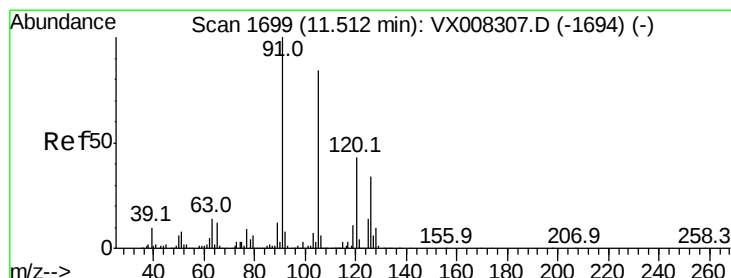
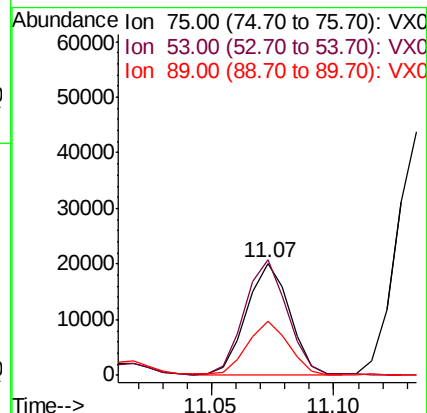
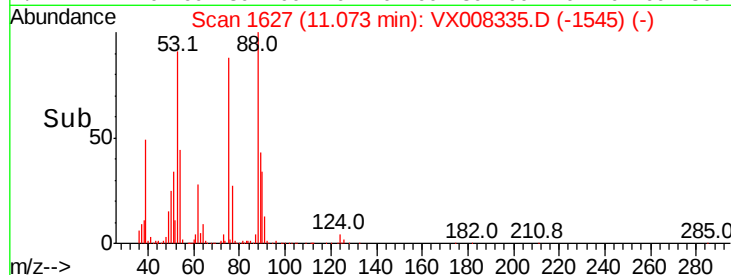
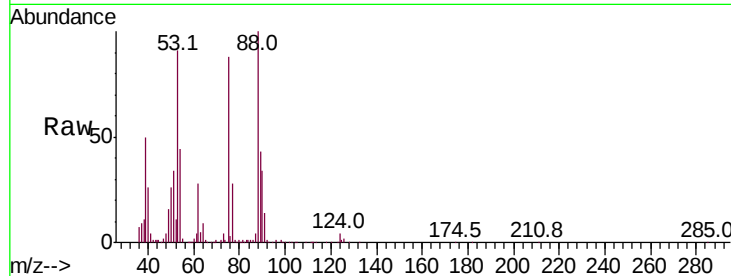
53 103.3 55.5 166.7

89 48.3 24.4 73.2

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#78

4-Chlorotoluene

Concen: 19.211 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008335.D

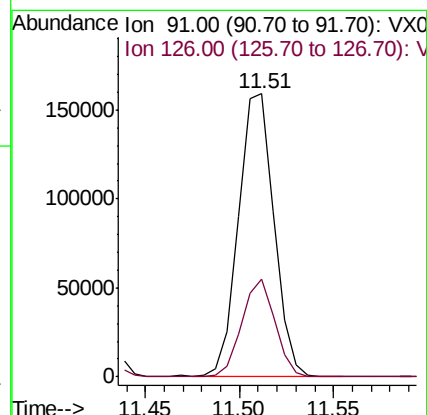
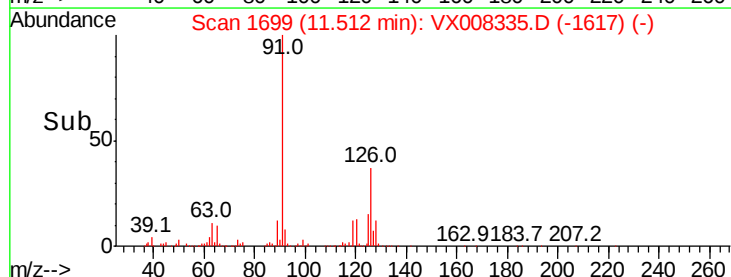
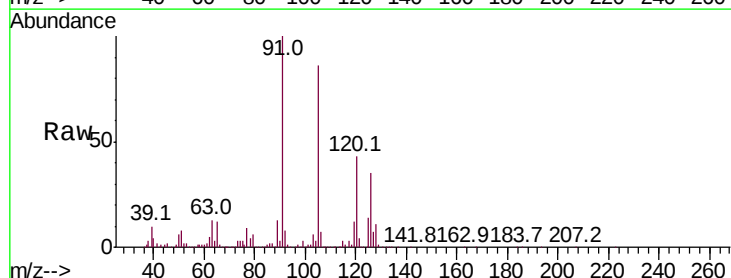
Acq: 22 Mar 2019 13:19

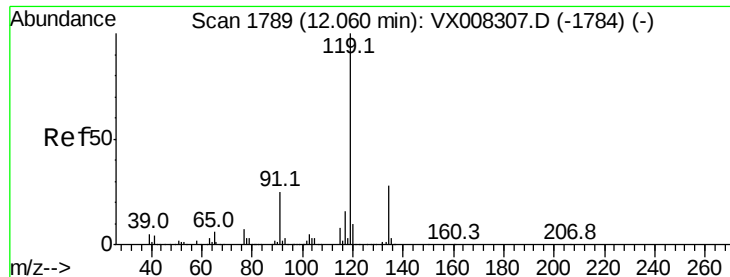
Tgt Ion: 91 Resp: 207997

Ion Ratio Lower Upper

91 100

126 32.2 0.0 66.2





#79

tert-butylbenzene

Concen: 19.700 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

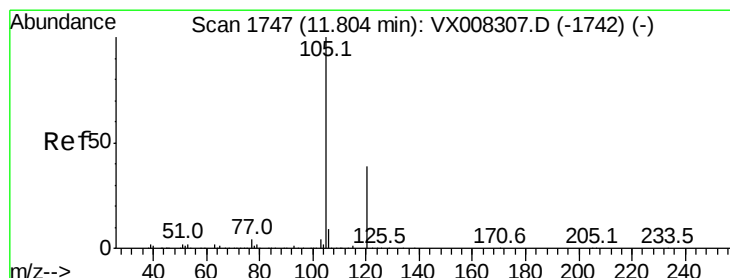
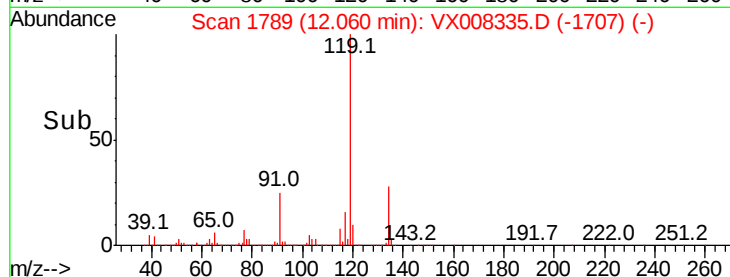
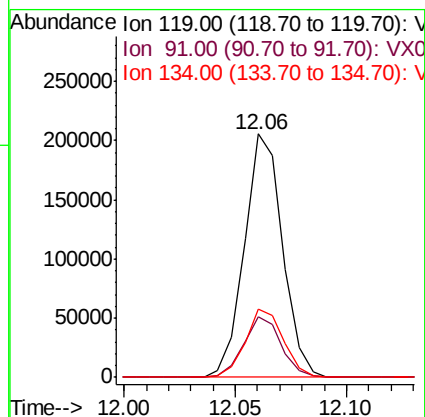
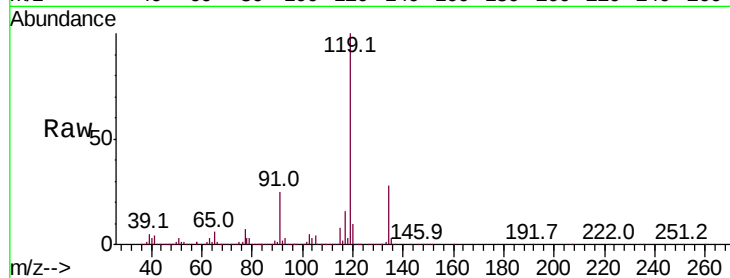
ClientSampleId :

ICVVX032219

Tot Ion:	119	Resp:	244657
Ion Ratio	Lower	Upper	
119	100		
91	24.4	0.0	45.0
134	27.7	0.0	55.4

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#80

1,2,4-Trimethylbenzene

Concen: 19.730 ug/l

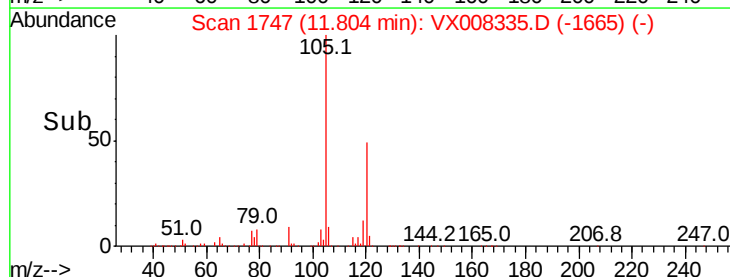
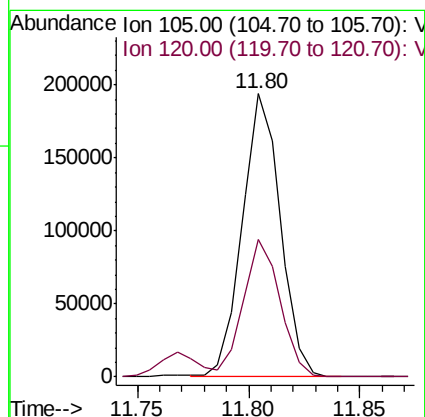
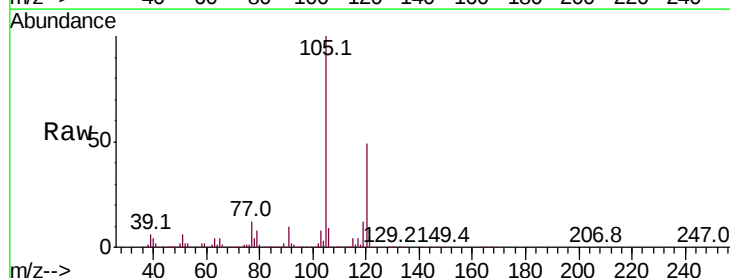
RT: 11.80 min Scan# 1747

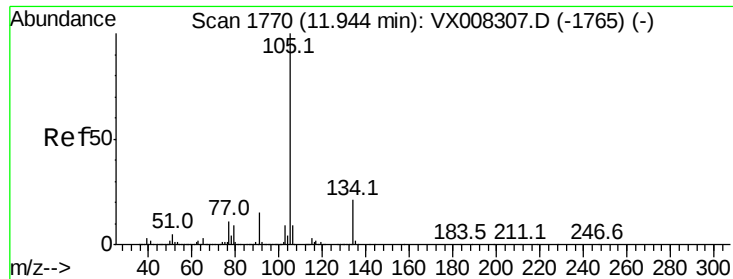
Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion:	105	Resp:	231464
Ion Ratio	Lower	Upper	
105	100		
120	46.7	0.0	94.0





#81

sec-Butylbenzene

Concen: 19.767 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tot Ion:105 Resp: 266194

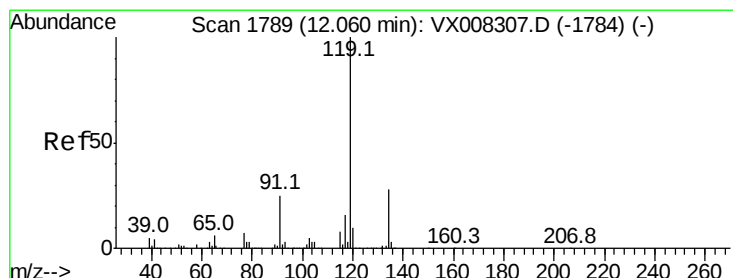
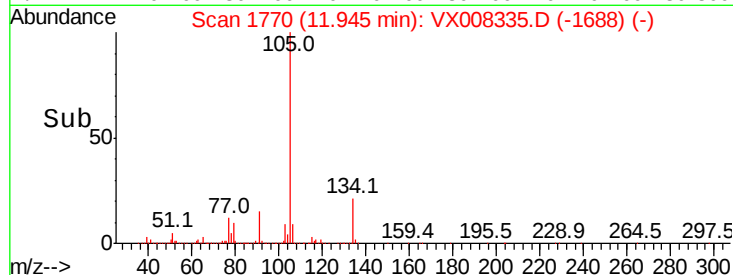
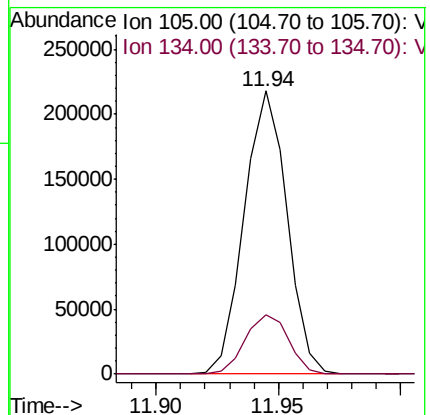
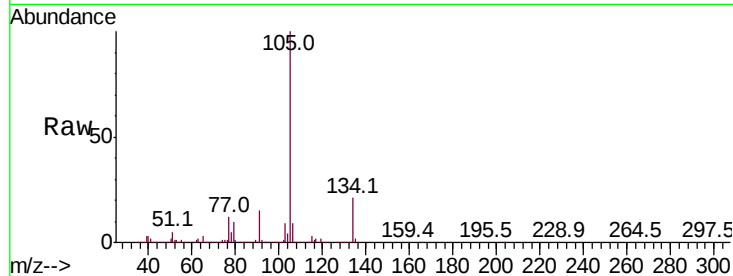
Ion Ratio Lower Upper

105 100

134 21.5 0.0 41.8

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 19.700 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

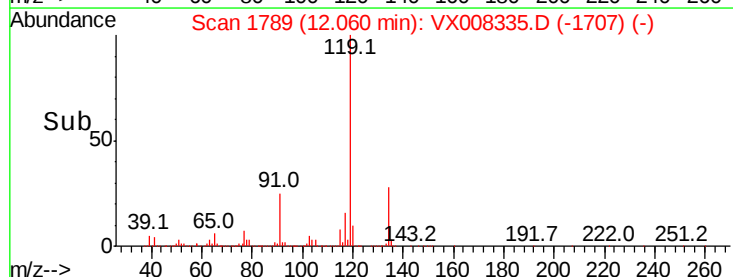
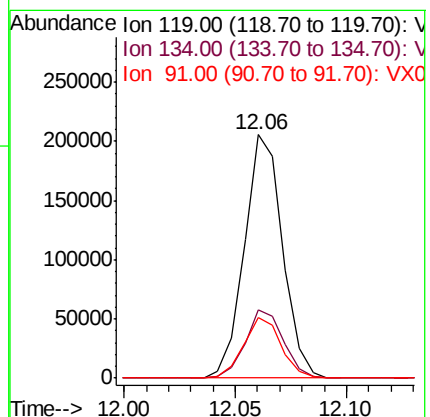
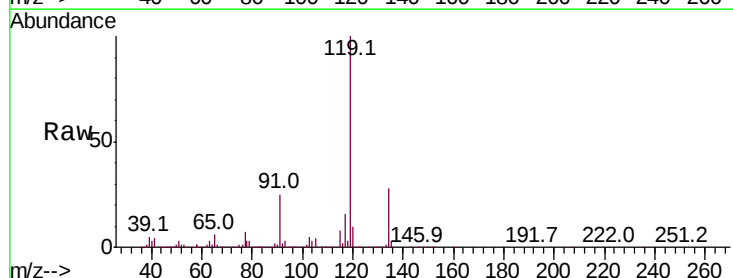
Tgt Ion:119 Resp: 244657

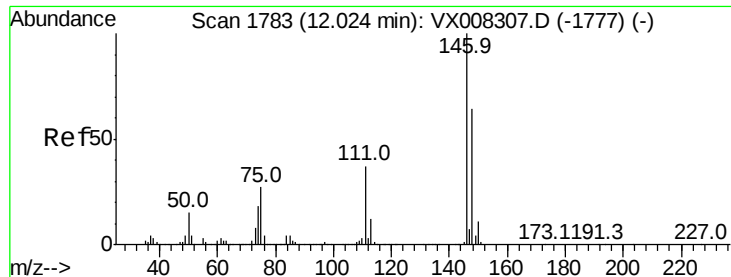
Ion Ratio Lower Upper

119 100

134 27.7 0.0 55.4

91 24.4 0.0 45.0





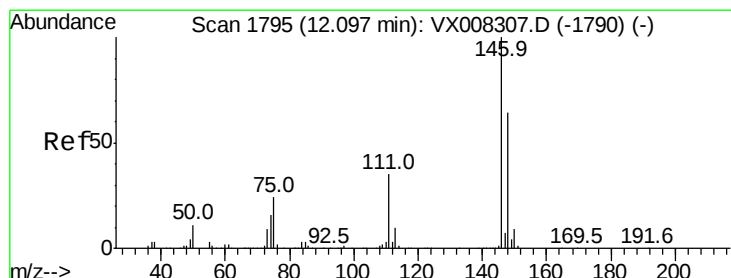
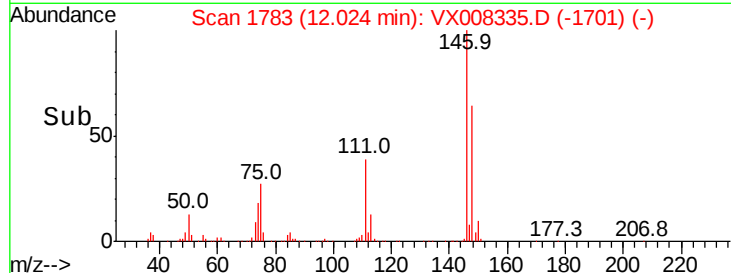
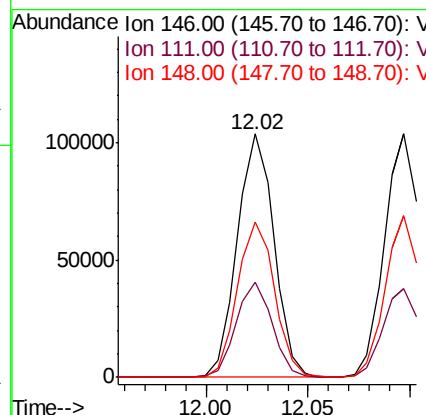
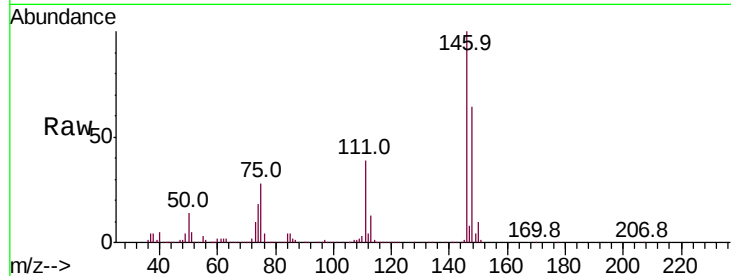
#83
 1,3-Dichlorobenzene
 Concen: 19.467 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

Tot Ion	Ratio	Resp	Lower	Upper
146	100	129198		
111	38.5	18.8	56.3	
148	64.5	30.6	91.8	

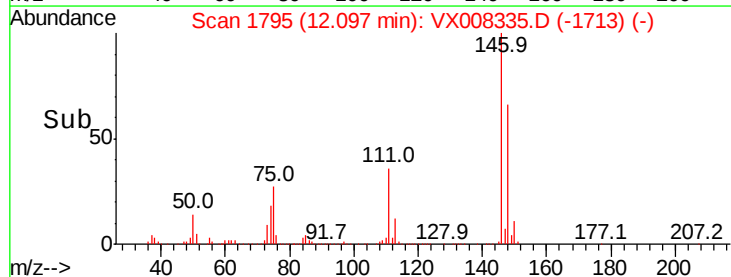
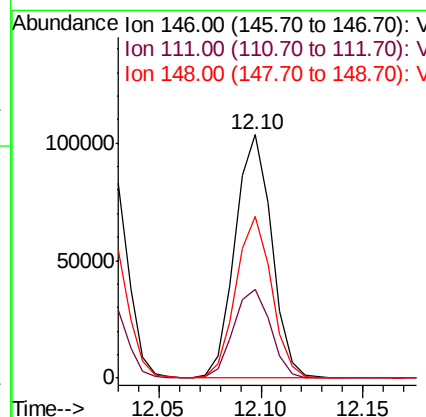
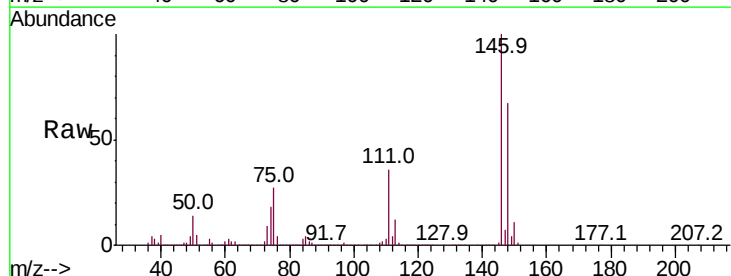
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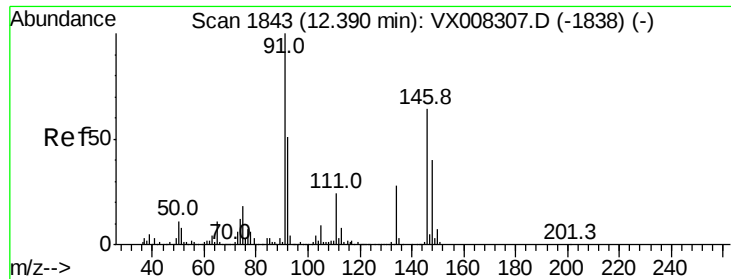
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 3/23/2019 9:33:56 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.426 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	128388		
111	37.0	17.6	52.8	
148	64.7	31.4	94.2	





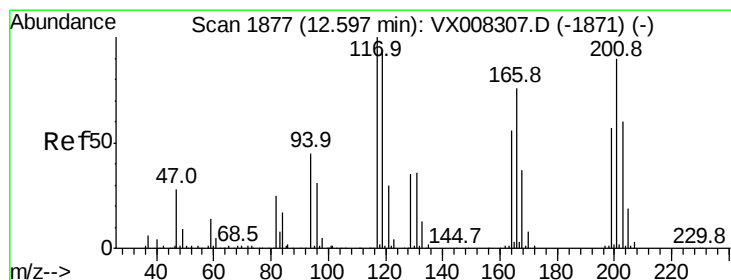
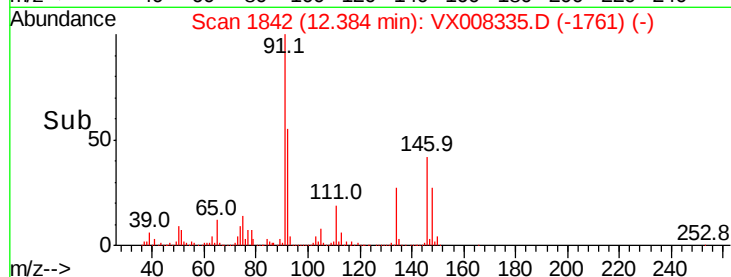
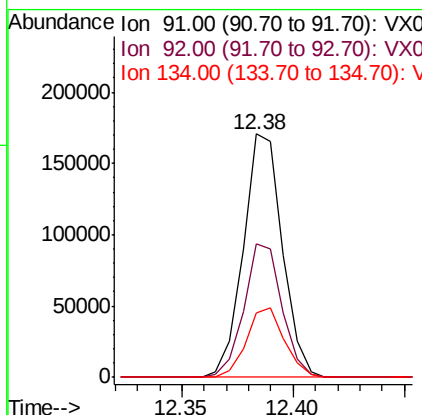
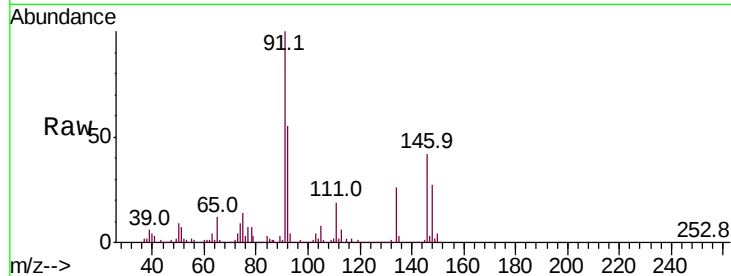
#85
n-Butylbenzene
Concen: 19.499 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tot Ion	Ratio	Resp	Lower	Upper
91	100	208300		
92	53.9	0.0	105.2	
134	27.8	0.0	56.4	

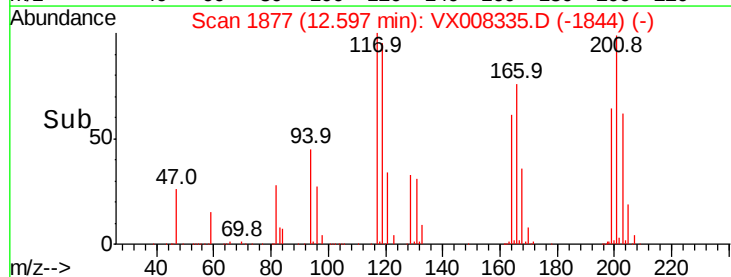
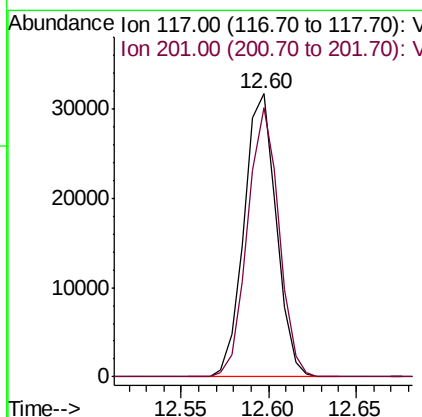
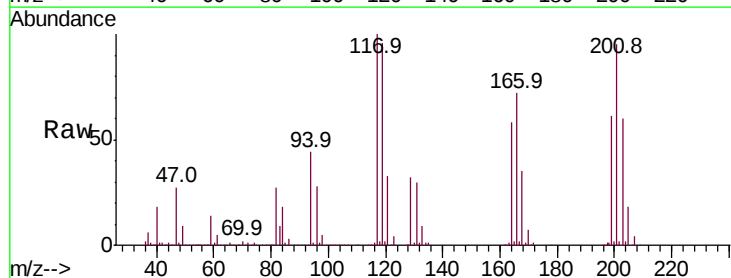
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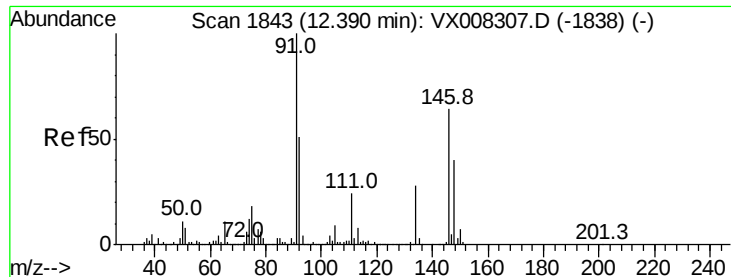
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#86
Hexachloroethane
Concen: 19.004 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40675		
201	92.7	41.1	123.3	





#87

1,2-Dichlorobenzene

Concen: 19.657 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

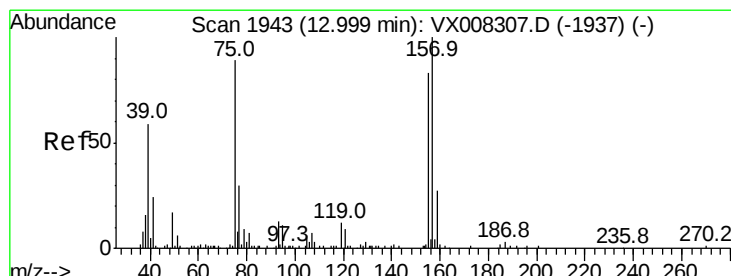
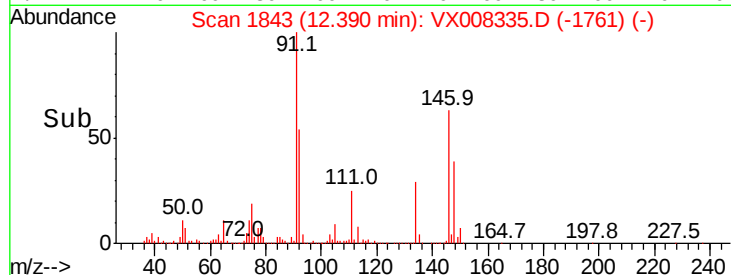
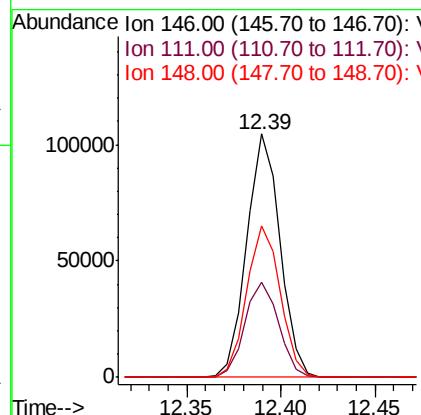
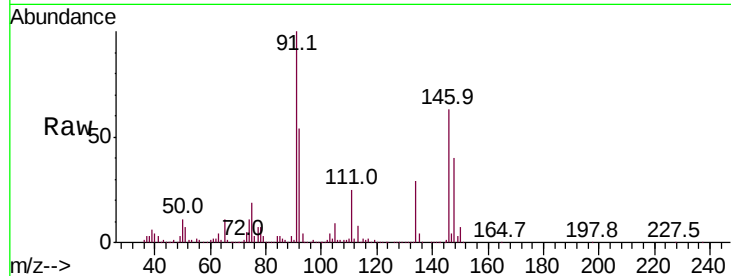
ClientSampleId :

ICVVX032219

Tot Ion:	146	Resp:	128654
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.3	57.8
148	62.8	32.1	96.3

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.537 ug/l

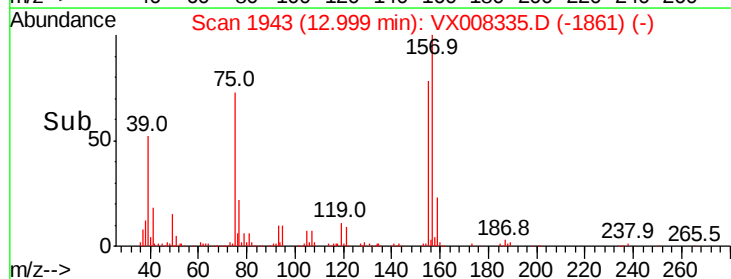
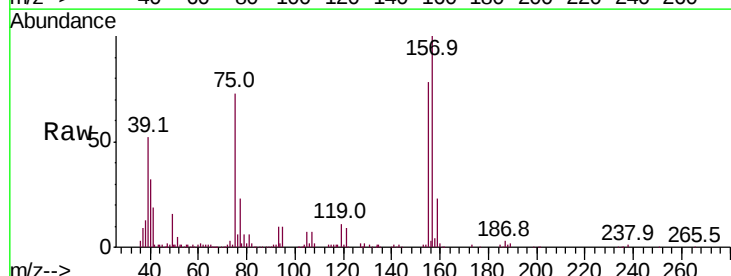
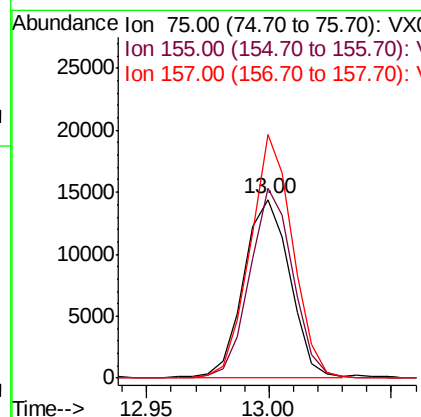
RT: 13.00 min Scan# 1943

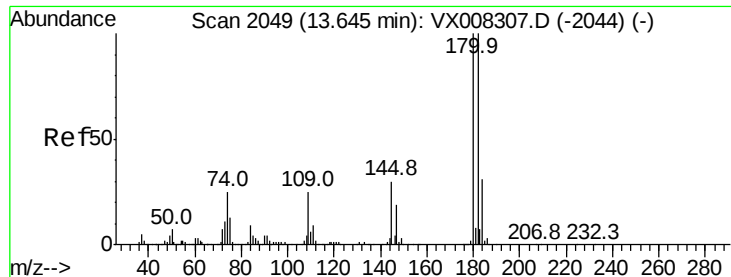
Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion:	75	Resp:	18919
Ion Ratio	Lower	Upper	
75	100		
155	99.6	81.0	121.6
157	126.4	103.2	154.8





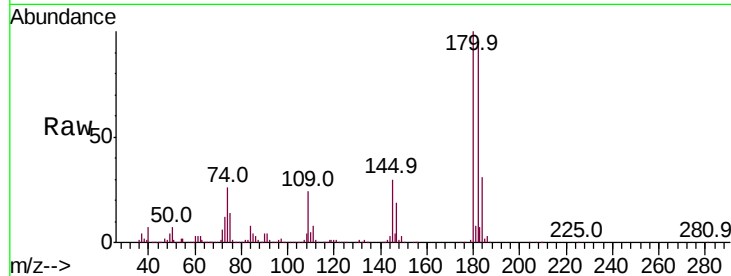
#89
 1,2,4-Trichlorobenzene
 Concen: 19.920 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.6	113.4
145	29.7	23.0	34.6

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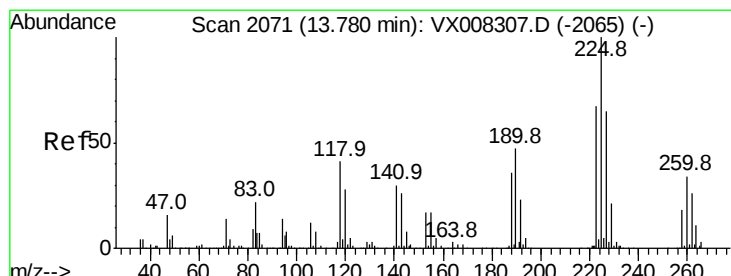
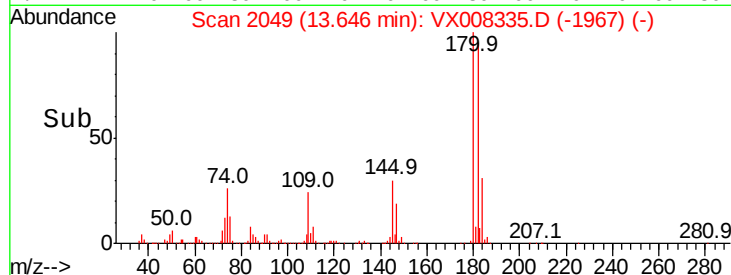
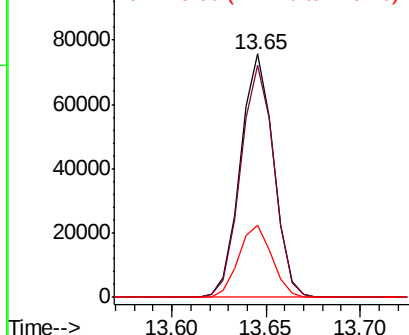


Abundance

Ion 180.00 (179.70 to 180.70): V

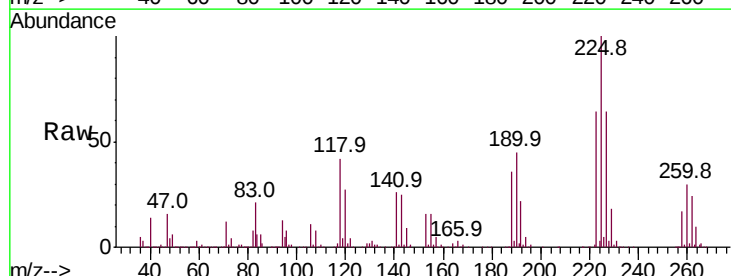
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.355 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	123.8
227	64.2	0.0	124.4

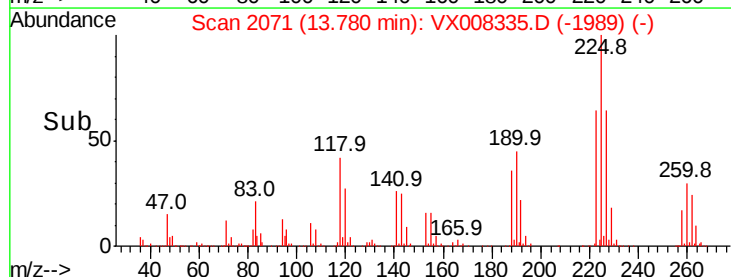
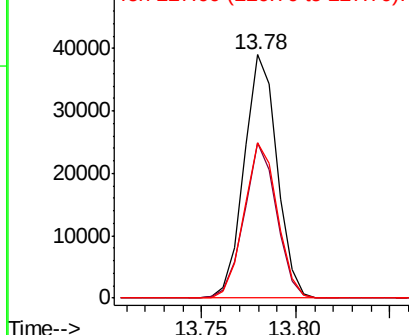


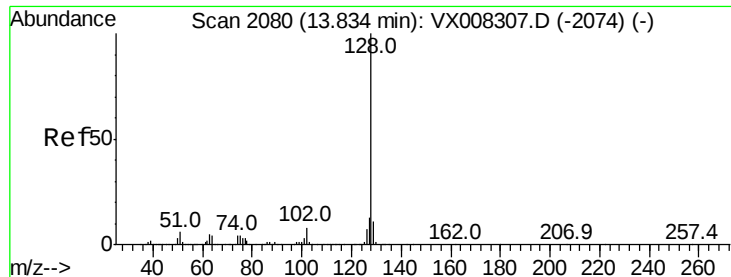
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.453 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

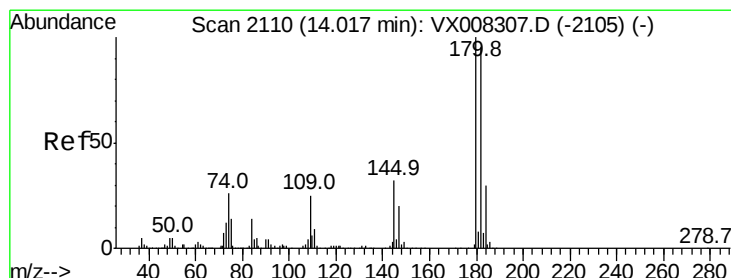
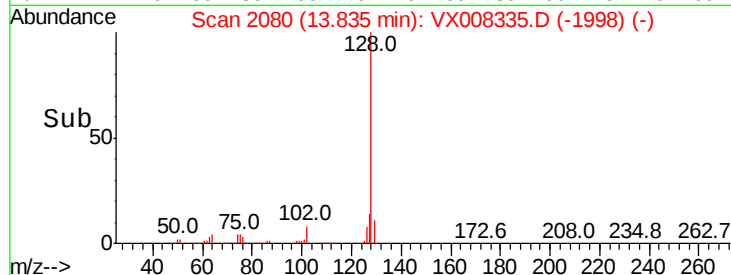
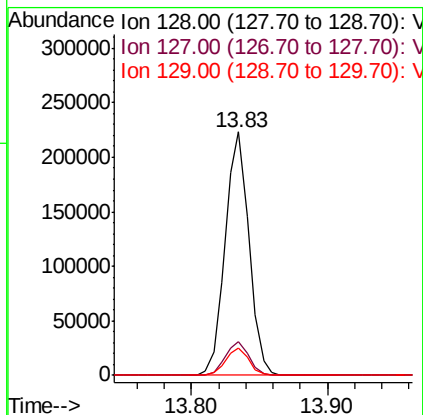
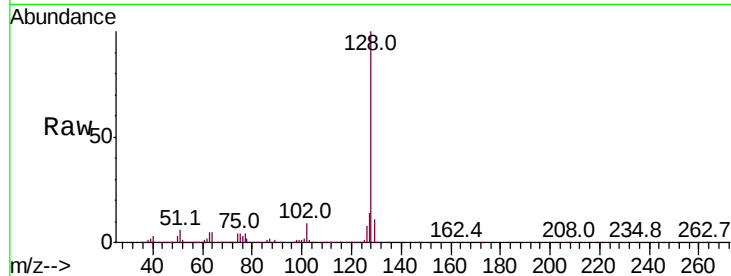
ClientSampleId :

ICVVX032219

Tot Ion:	128	Resp:	270646
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.5	15.7
129	10.9	8.9	13.3

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#92

1,2,3-Trichlorobenzene

Concen: 19.511 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion:	180	Resp:	91372
Ion Ratio	Lower	Upper	
180	100		
182	96.5	0.0	193.0
145	30.9	0.0	63.0

