

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012411.D
 Acq On : 16 Sep 2019 17:32
 Operator : JC/SP
 Sample : VX0916WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:19:15 AM

Quant Time: Sep 17 05:07:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	117879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	192450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	179559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	122984	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	5.48	113	90001	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	8.71	98	329916	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.14	95	132576	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	23418	20.863	ug/l	95
3) Chloromethane	1.32	50	18865	20.843	ug/l	95
4) Vinyl Chloride	1.40	62	20599	20.839	ug/l	96
5) Bromomethane	1.63	94	9993	23.727	ug/l	99
6) Chloroethane	1.71	64	14083	21.504	ug/l	91
7) Trichlorofluoromethane	1.92	101	38856	21.407	ug/l	100
8) Diethyl Ether	2.18	74	16544	20.925	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27815	21.279	ug/l	99
10) Methyl Iodide	2.50	142	24021	19.225	ug/l	99
11) Tert butyl alcohol	3.03	59	63169	103.647	ug/l	98
12) 1,1-Dichloroethene	2.36	96	22236	21.616	ug/l	93
13) Acrolein	2.28	56	21031	80.083	ug/l	97
14) Allyl chloride	2.72	41	48666	20.514	ug/l	98
15) Acrylonitrile	3.13	53	104074	103.245	ug/l	100
16) Acetone	2.43	43	103256	95.180	ug/l	97
17) Carbon Disulfide	2.56	76	30232	20.657	ug/l	100
18) Methyl Acetate	2.76	43	49576	20.523	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	114891	20.666	ug/l	100
20) Methylene Chloride	2.85	84	29716	20.077	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	23099	20.887	ug/l	94
22) Diisopropyl ether	3.84	45	112951	20.736	ug/l	95
23) Vinyl Acetate	3.80	43	474397	105.512	ug/l	100
24) 1,1-Dichloroethane	3.69	63	56279	20.649	ug/l	97
25) 2-Butanone	4.66	43	157404	101.843	ug/l	99
26) 2,2-Dichloropropane	4.58	77	52822	20.318	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	33204	20.487	ug/l	97
28) Bromochloromethane	5.00	49	25318	18.139	ug/l	98
29) Tetrahydrofuran	5.12	42	94604	105.536	ug/l	99
30) Chloroform	5.20	83	63084	20.030	ug/l	99
31) Cyclohexane	5.57	56	34314	20.678	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	54144	20.695	ug/l	100
36) 1,1-Dichloropropene	5.79	75	34212	19.238	ug/l	97
37) Ethyl Acetate	4.82	43	55118	20.129	ug/l	99
38) Carbon Tetrachloride	5.78	117	43639	20.107	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	34979	20.477	ug/l	99
40) Benzene	6.14	78	111977	20.434	ug/l	99
41) Methacrylonitrile	5.03	41	32758	20.954	ug/l	98
42) 1,2-Dichloroethane	6.19	62	51749	20.740	ug/l	99
43) Isopropyl Acetate	6.44	43	93004	19.796	ug/l	99
44) Trichloroethene	7.21	130	29796	20.244	ug/l	98
45) 1,2-Dichloropropane	7.51	63	33486	19.995	ug/l	95
46) Dibromomethane	7.65	93	22322	19.979	ug/l	97
47) Bromodichloromethane	7.89	83	49091	19.681	ug/l	96
48) Methyl methacrylate	7.76	41	42979	19.359	ug/l	100
49) 1,4-Dioxane	7.73	88	21687	404.584	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	303703	99.765	ug/l	100
52) Toluene	8.78	92	72525	20.331	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	50165	19.393	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	52987	19.817	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	36922	19.698	ug/l	98
56) Ethyl methacrylate	9.17	69	54879	19.460	ug/l	99
57) 1,3-Dichloropropane	9.37	76	60297	20.251	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	150296	99.019	ug/l	100
59) 2-Hexanone	9.48	43	233407	99.455	ug/l	99
60) Dibromochloromethane	9.58	129	38748	19.119	ug/l	99
61) 1,2-Dibromoethane	9.67	107	35217	20.425	ug/l	98
64) Tetrachloroethene	9.33	164	25299	21.248	ug/l	96
65) Chlorobenzene	10.14	112	85097	20.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	36610	20.583	ug/l	96
67) Ethyl Benzene	10.25	91	145552	20.344	ug/l	100
68) m/p-Xylenes	10.36	106	109019	41.281	ug/l	98
69) o-Xylene	10.70	106	56192	20.518	ug/l	99
70) Styrene	10.71	104	98100	20.645	ug/l	100
71) Bromoform	10.85	173	27458	18.990	ug/l #	99
73) Isopropylbenzene	11.01	105	157425	21.353	ug/l	99
74) N-amyl acetate	10.89	43	78989	20.212	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	61494	20.801	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	58932m	21.483	ug/l	
77) Bromobenzene	11.25	156	38818	20.449	ug/l	99
78) n-propylbenzene	11.35	91	174192	20.907	ug/l	100
79) 2-Chlorotoluene	11.42	91	111228	20.795	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	135878	21.166	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18809	19.356	ug/l	98
82) 4-Chlorotoluene	11.51	91	131012	21.004	ug/l	100
83) tert-Butylbenzene	11.76	119	143962	21.142	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	138669	21.288	ug/l	99
85) sec-Butylbenzene	11.94	105	159317	21.163	ug/l	100
86) p-Isopropyltoluene	12.06	119	146540	21.247	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	71273	20.057	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	73999	20.590	ug/l	98
89) n-Butylbenzene	12.39	91	126619	20.788	ug/l	100
90) Hexachloroethane	12.59	117	26551	19.913	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	74673	20.528	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15929	20.398	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0916WBSD01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 17 04:36:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	49630	20.391	ug/l	99
94) Hexachlorobutadiene	13.78	225	23807	20.312	ug/l	99
95) Naphthalene	13.83	128	176248	19.829	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	51666	21.283	ug/l	99

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

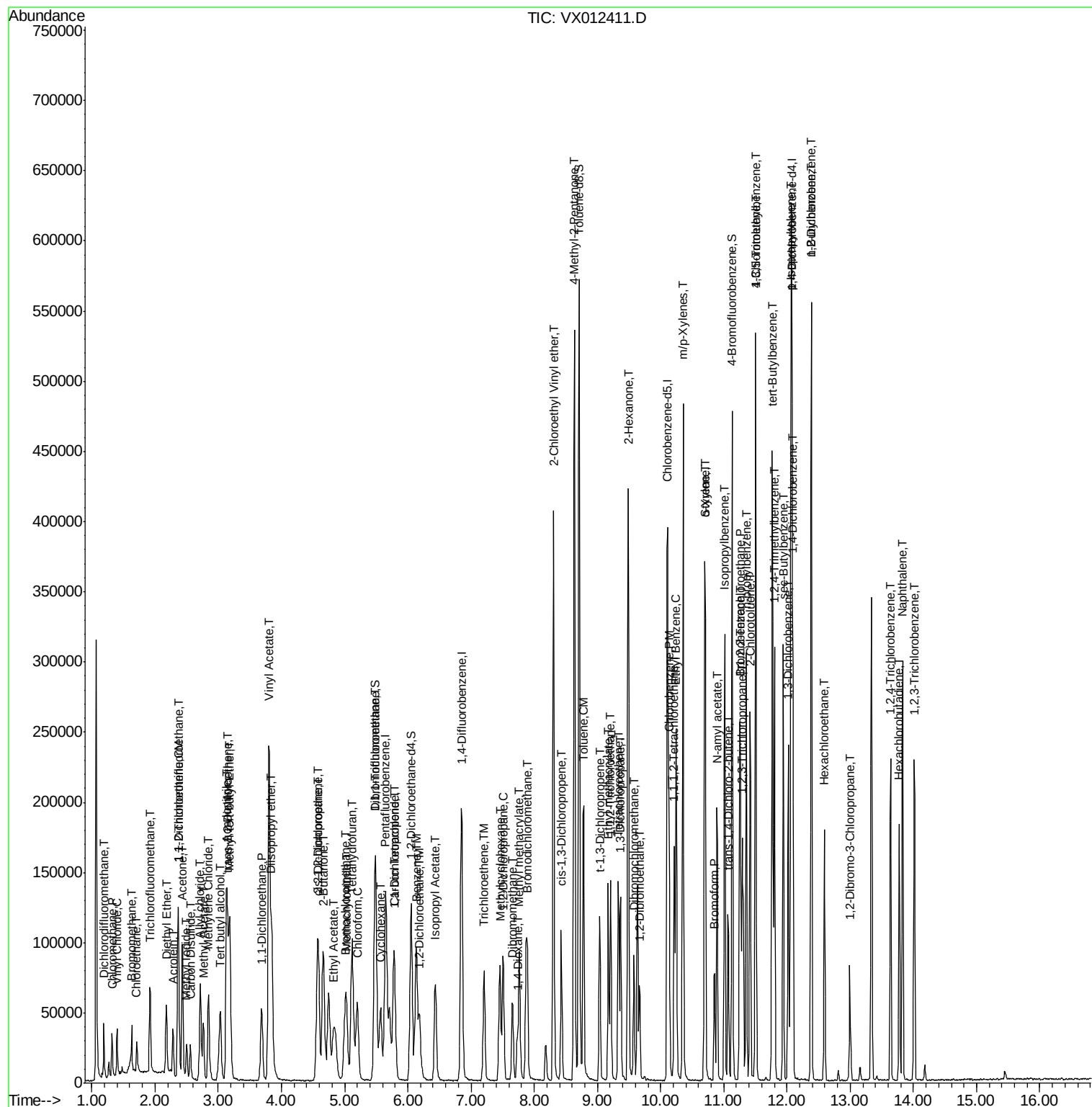
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012411.D
 Acq On : 16 Sep 2019 17:32
 Operator : JC/SP
 Sample : VX0916WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

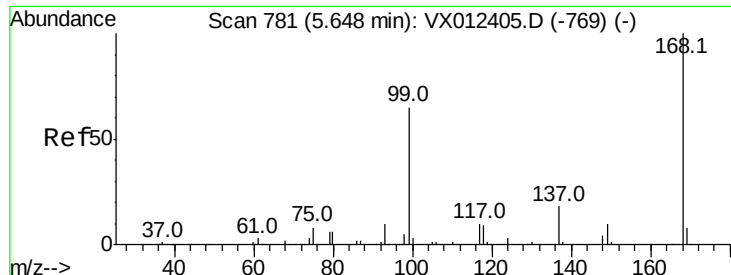
Instrument :
 MSVOA_X
 Client Sampled :
 VX0916WBSD01

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 Quant Title : SW846 8260
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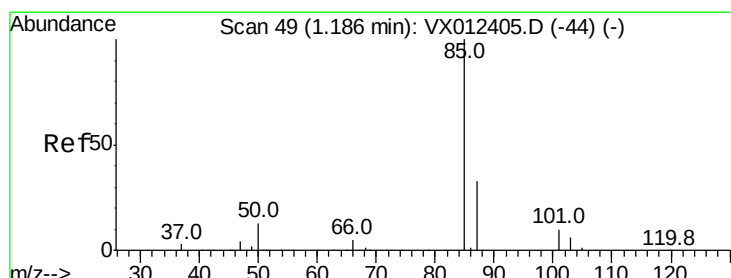
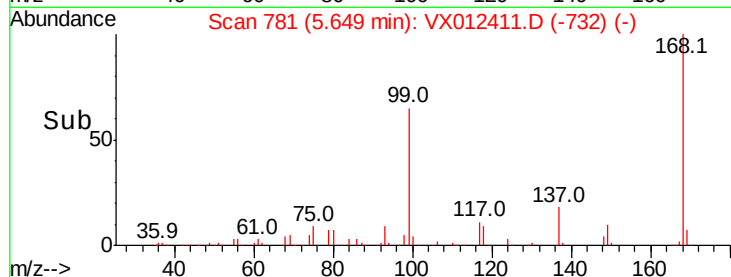
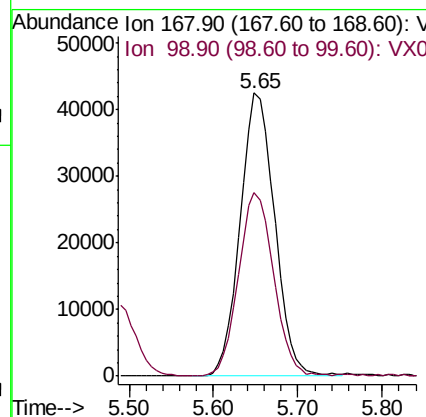
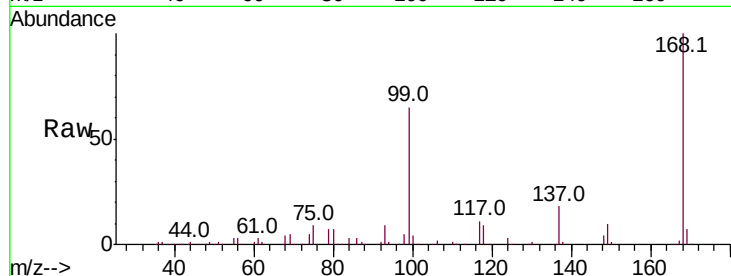
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion:168 Resp: 117879
Ion Ratio Lower Upper
168 100
99 64.6 51.8 77.6

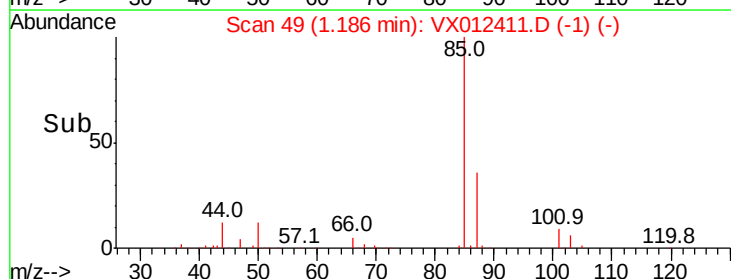
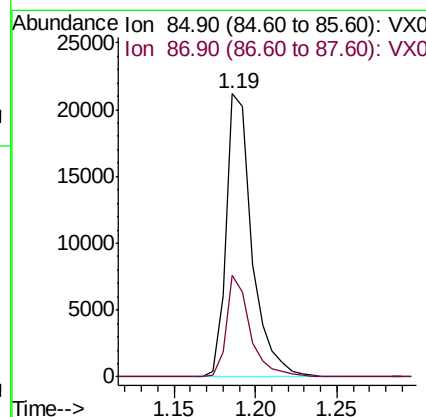
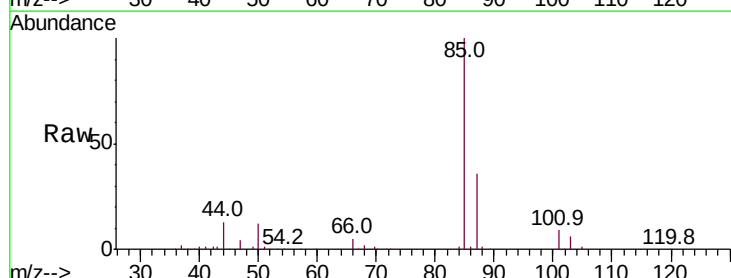
Manual Integrations
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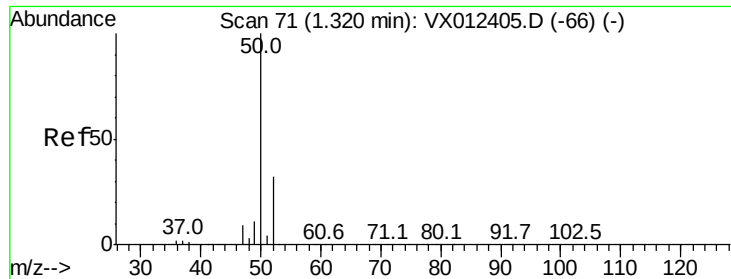
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#2
Dichlorodifluoromethane
Concen: 20.863 ug/l
RT: 1.19 min Scan# 49
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion: 85 Resp: 23418
Ion Ratio Lower Upper
85 100
87 35.8 16.4 49.2





#3

Chloromethane

Concen: 20.843 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion: 50 Resp: 18865

Ion Ratio Lower Upper

50 100

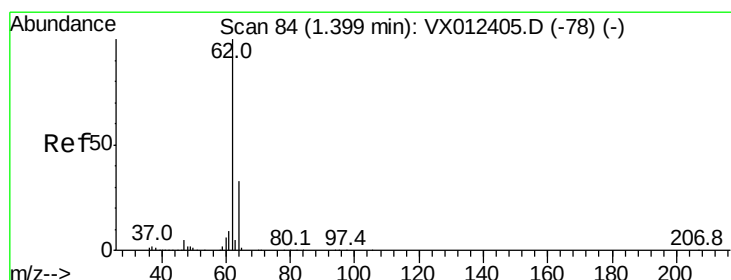
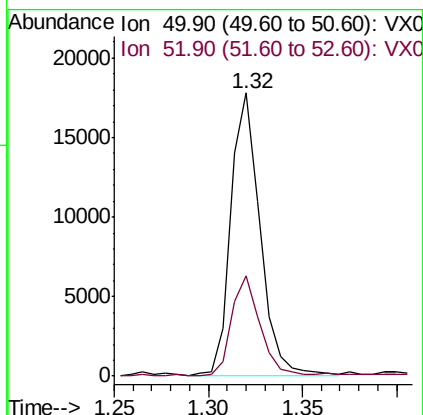
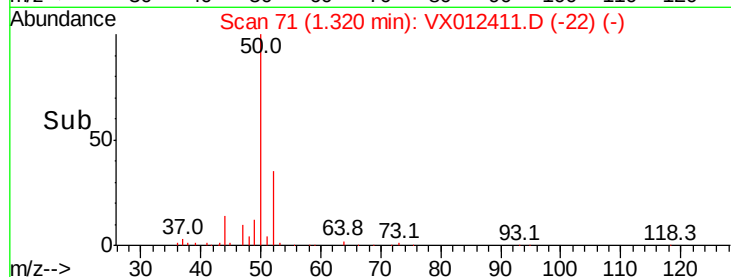
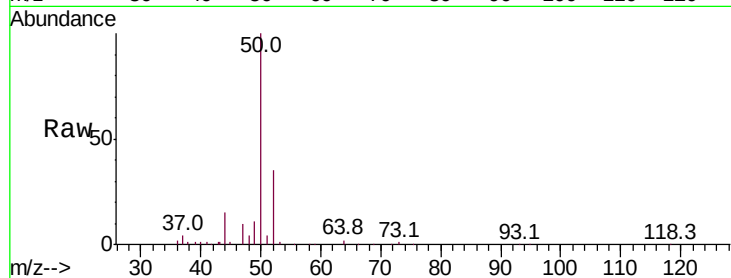
52 34.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.839 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012411.D

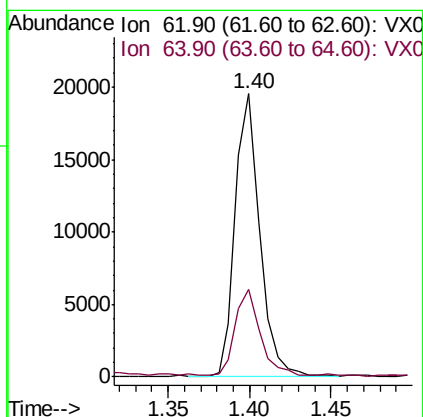
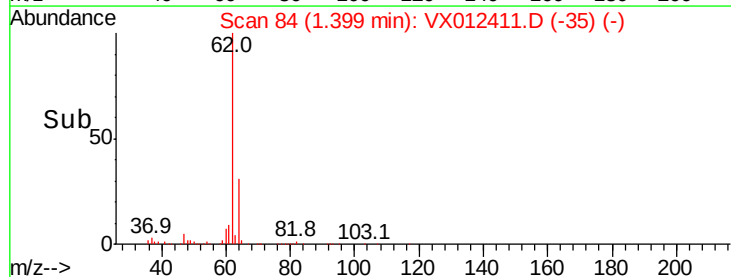
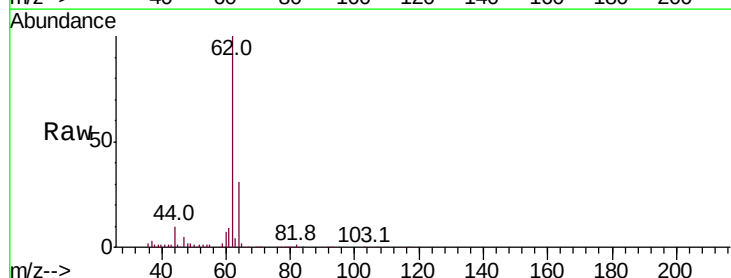
Acq: 16 Sep 2019 17:32

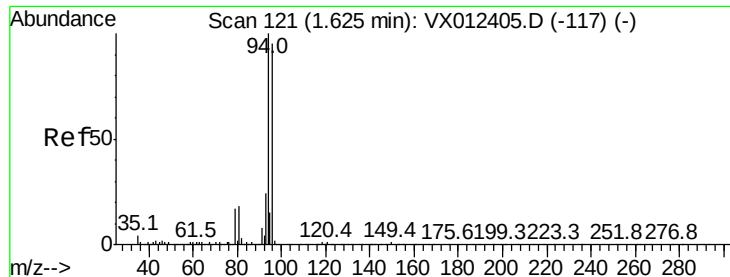
Tgt Ion: 62 Resp: 20599

Ion Ratio Lower Upper

62 100

64 30.3 26.2 39.2





#5

Bromomethane

Concen: 23.727 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion: 94 Resp: 9993

Ion Ratio Lower Upper

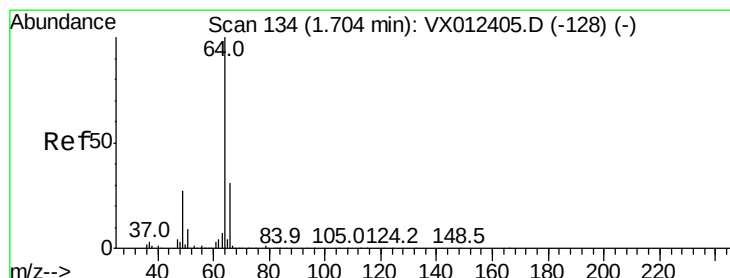
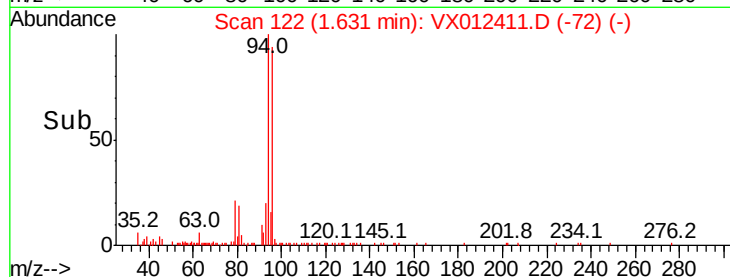
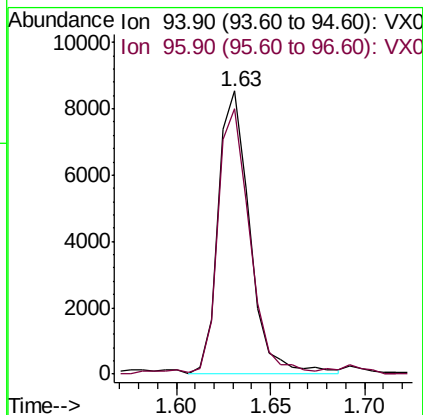
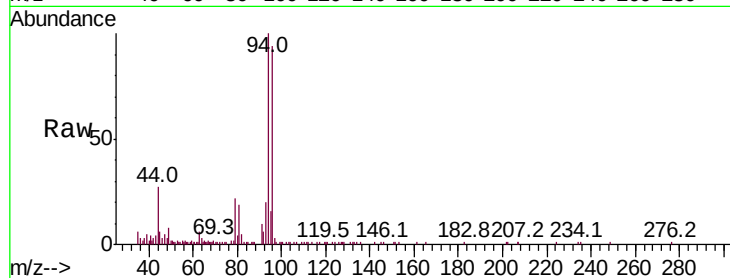
94 100

96 93.9 75.7 113.5

Manual Integrations
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#6

Chloroethane

Concen: 21.504 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX012411.D

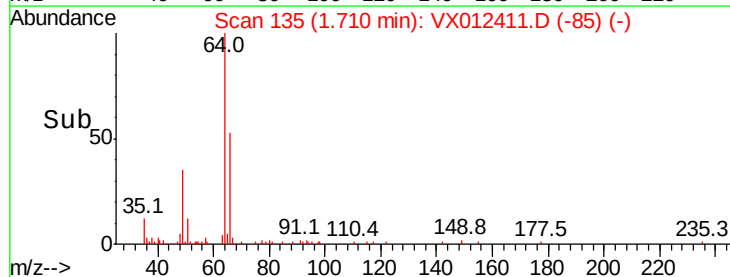
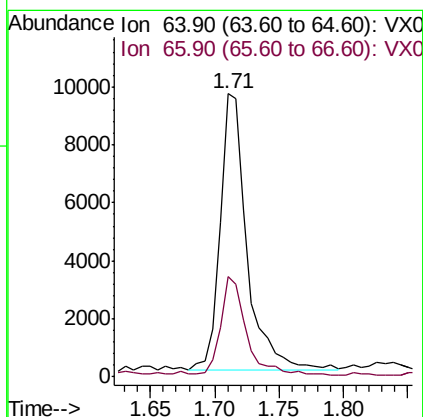
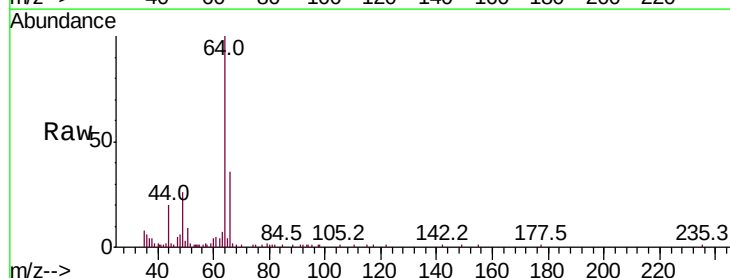
Acq: 16 Sep 2019 17:32

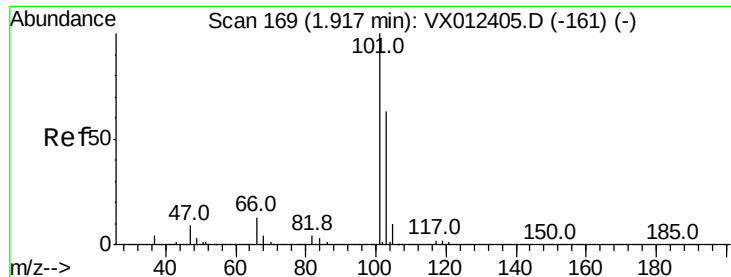
Tgt Ion: 64 Resp: 14083

Ion Ratio Lower Upper

64 100

66 35.6 24.7 37.1





#7

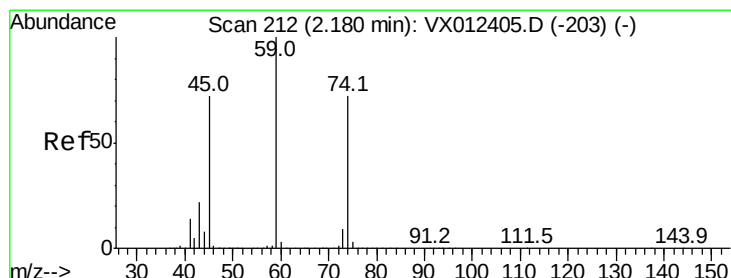
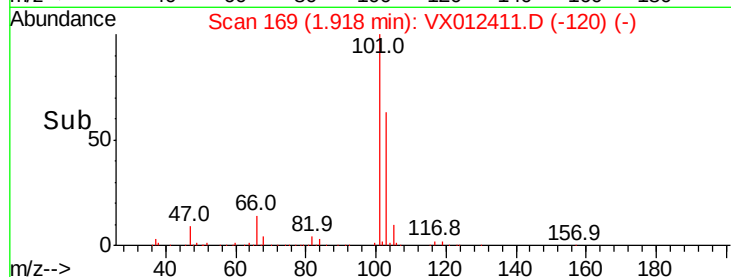
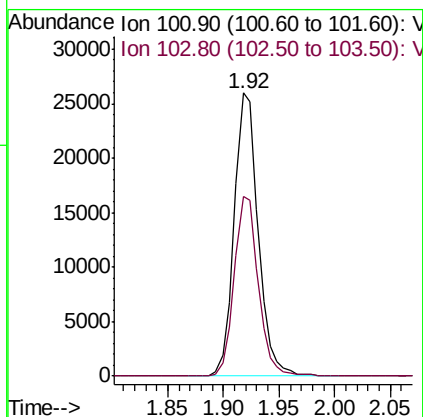
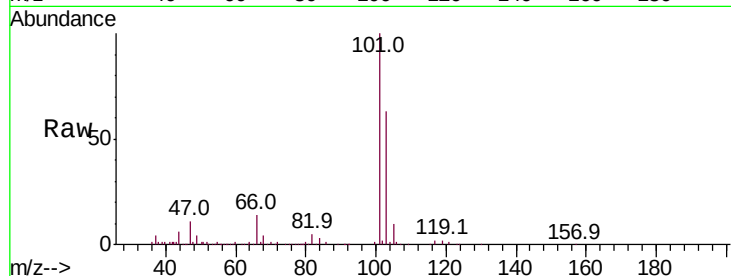
Trichlorofluoromethane
Concen: 21.407 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion:101 Resp: 38856
Ion Ratio Lower Upper
101 100
103 63.4 50.5 75.7

Manual Integrations
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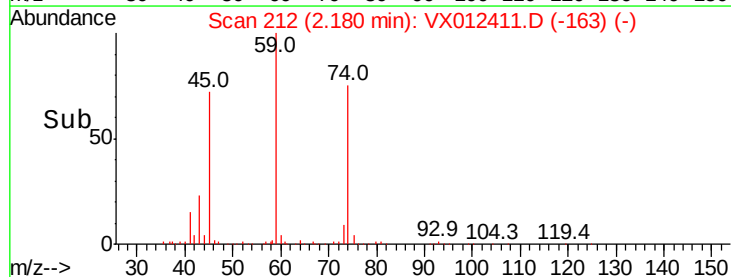
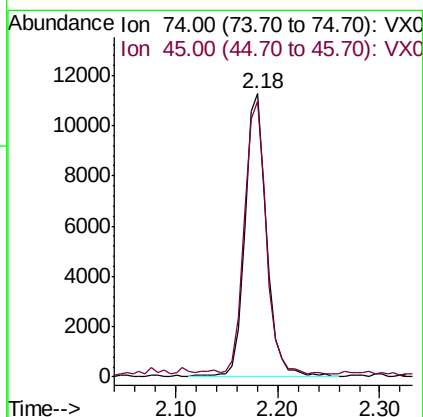
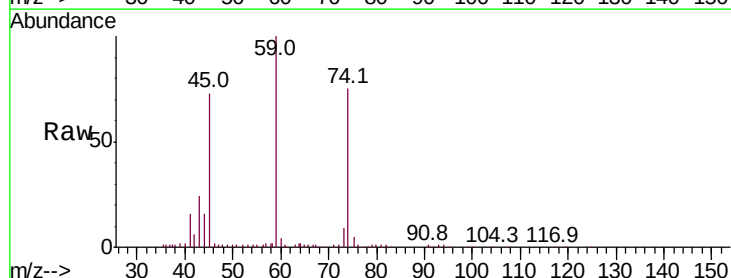
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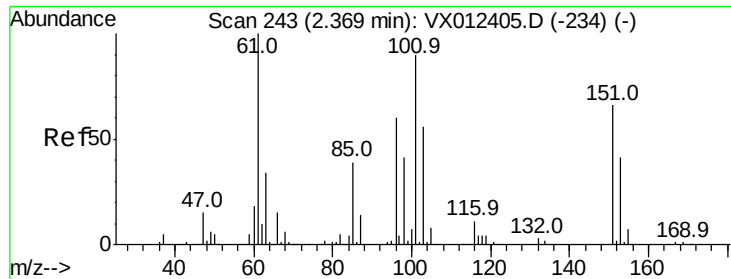


#8

Diethyl Ether
Concen: 20.925 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion: 74 Resp: 16544
Ion Ratio Lower Upper
74 100
45 96.9 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.279 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

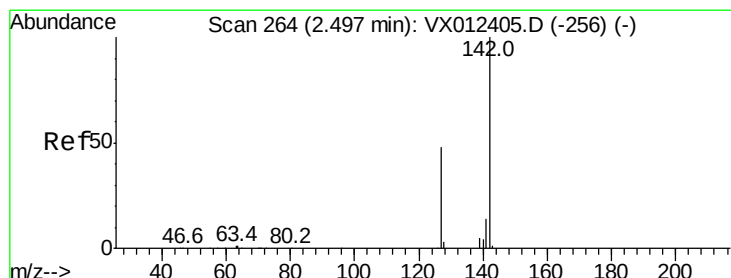
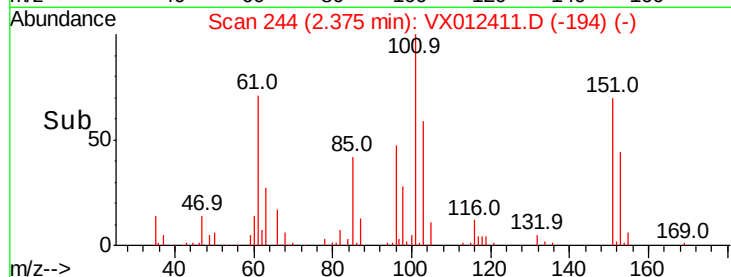
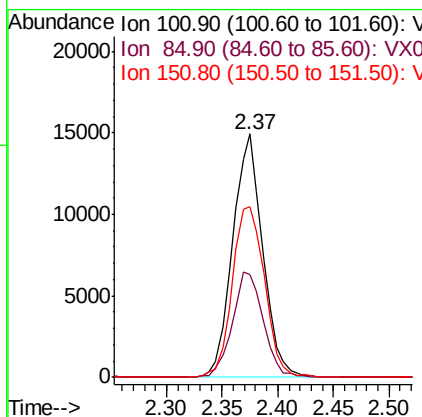
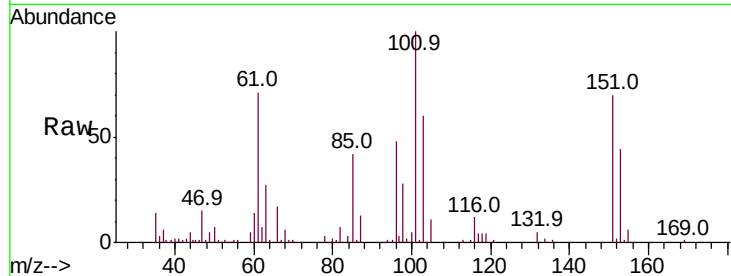
ClientSampleId :

VX0916WBSD01

Tot Ion:	101	Resp:	27815
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.3	54.5
151	75.4	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.225 ug/l

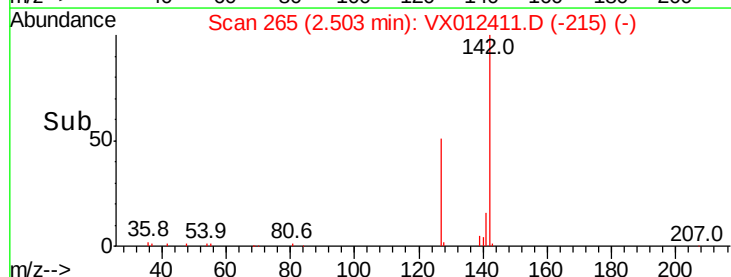
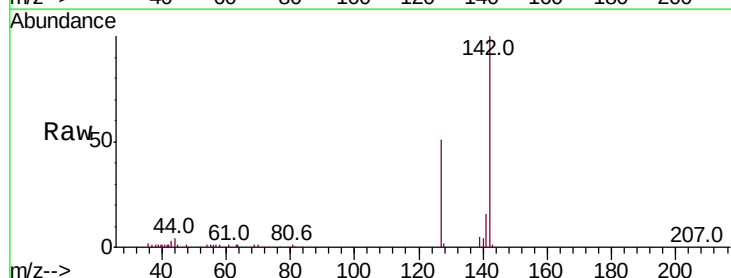
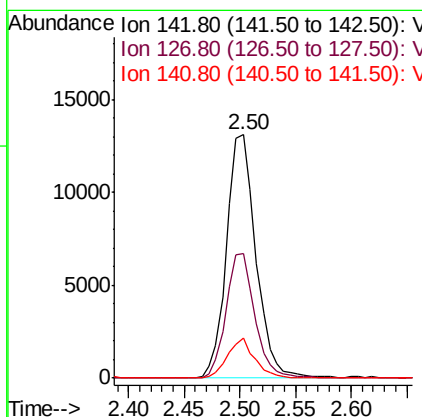
RT: 2.50 min Scan# 265

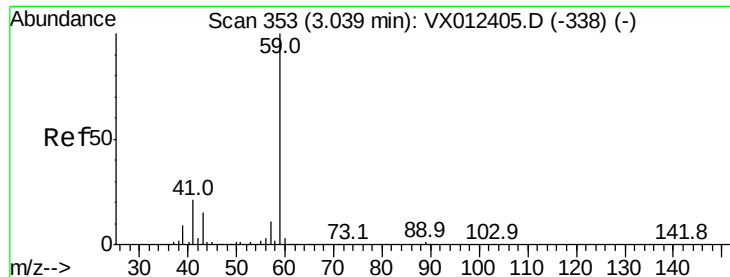
Delta R.T. 0.01 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Tgt Ion:	142	Resp:	24021
Ion Ratio	Lower	Upper	
142	100		
127	49.9	39.6	59.4
141	15.0	11.6	17.4





#11

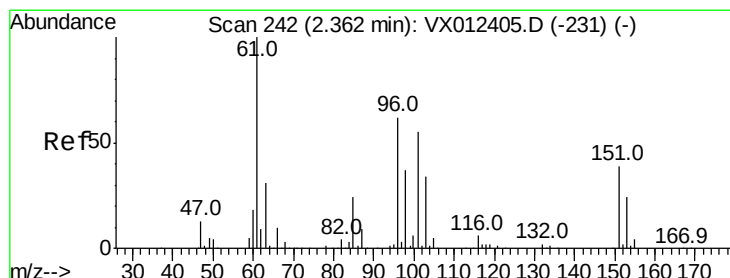
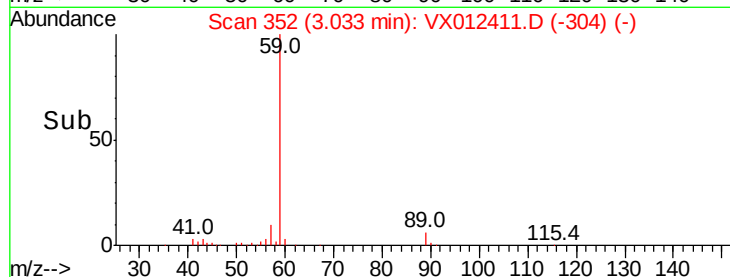
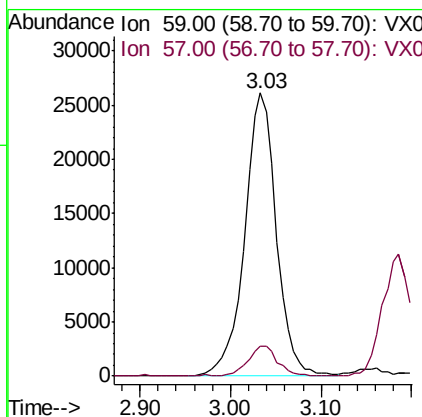
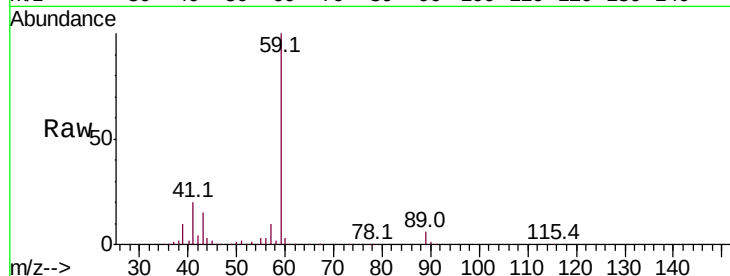
Tert butyl alcohol
 Concen: 103.647 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBSD01

Tot Ion	59	Resp	63169
Ion Ratio	100	Lower	Upper
57	10.0	8.6	12.8

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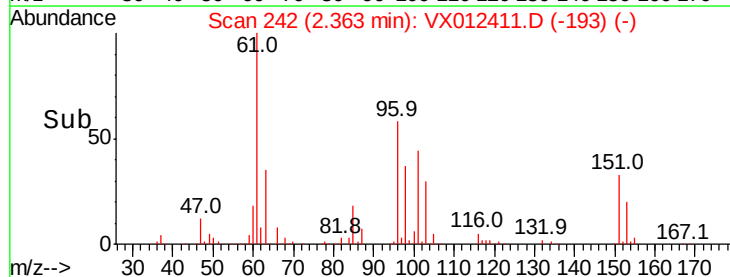
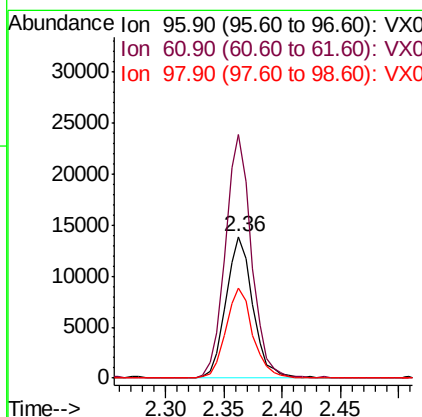
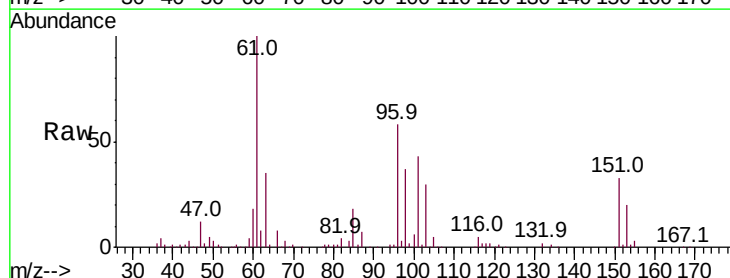
MMDadoda
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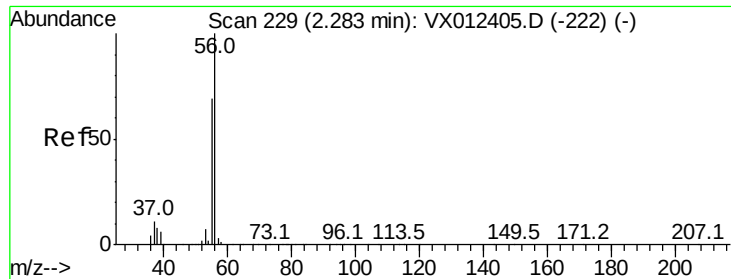


#12

1,1-Dichloroethene
 Concen: 21.616 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Tgt Ion	96	Resp	22236
Ion Ratio	100	Lower	Upper
61	172.3	129.8	194.6
98	63.5	48.5	72.7





#13

Acrolein

Concen: 80.083 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion: 56 Resp: 21031

Ion Ratio Lower Upper

56 100

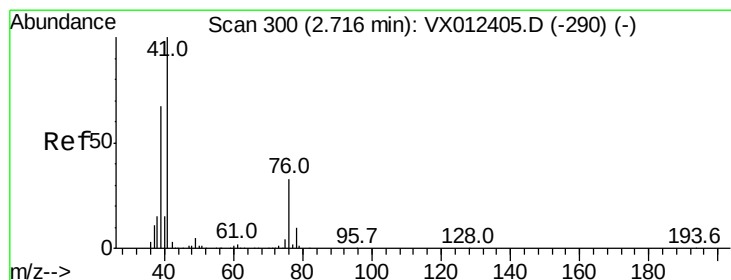
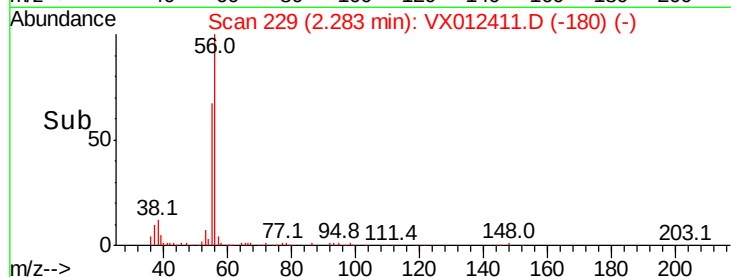
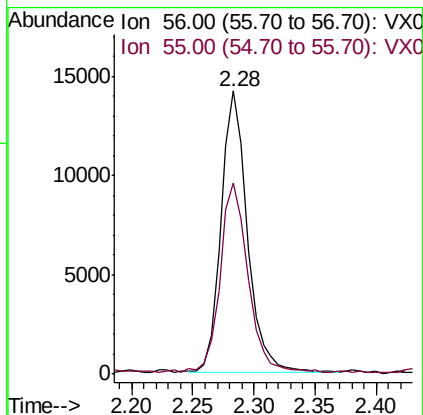
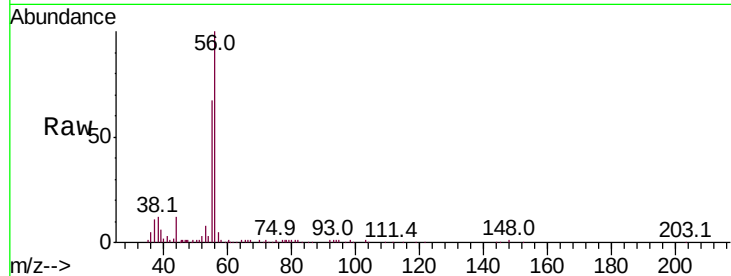
55 72.3 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.514 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

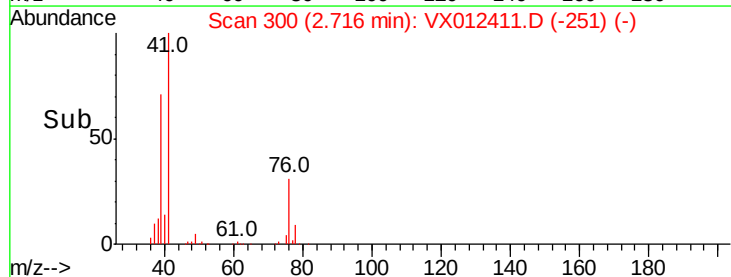
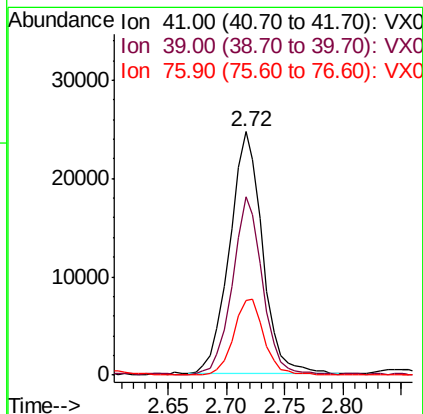
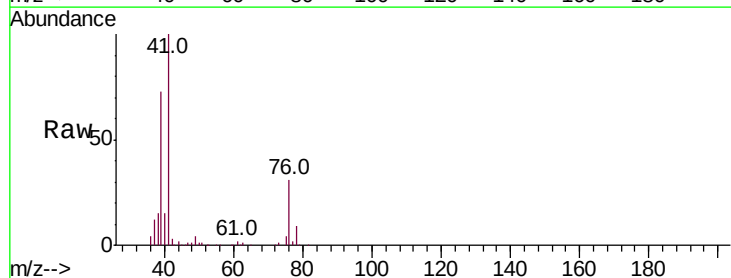
Tgt Ion: 41 Resp: 48666

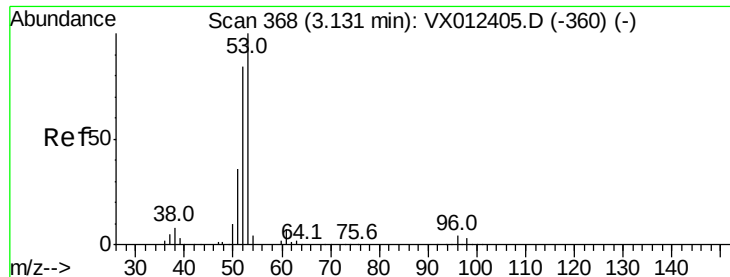
Ion Ratio Lower Upper

41 100

39 66.1 51.1 76.7

76 28.7 23.4 35.2





#15

Acrylonitrile

Concen: 103.245 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion: 53 Resp: 104074

Ion Ratio Lower Upper

53 100

52 84.6 67.4 101.2

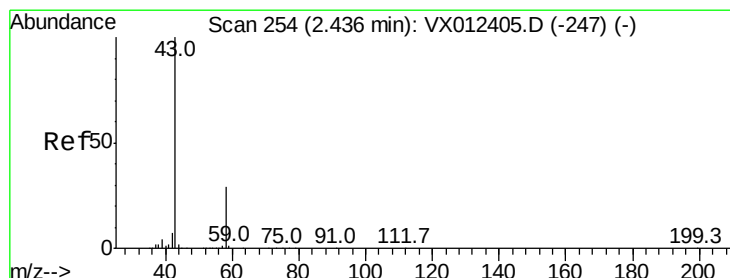
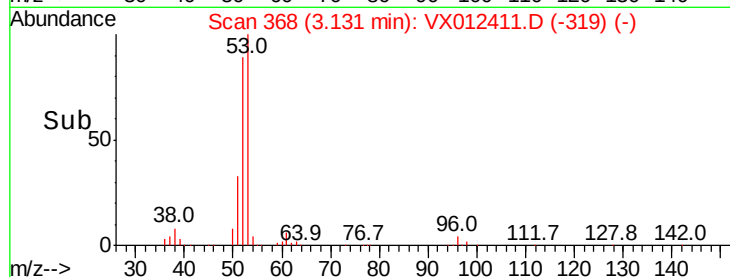
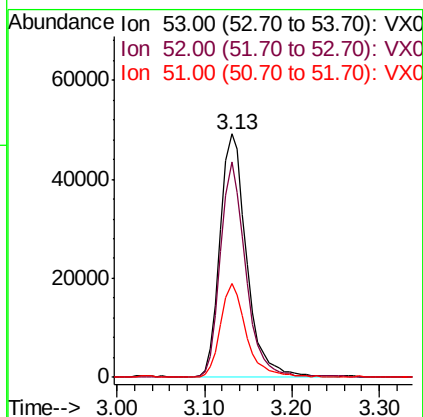
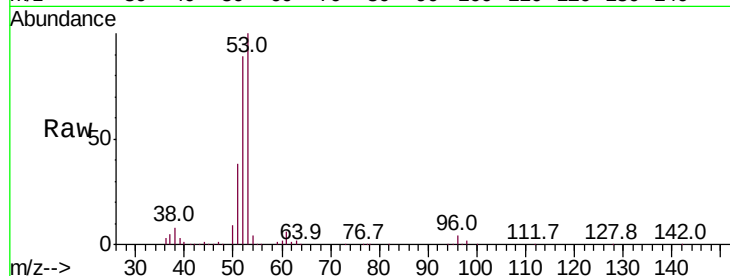
51 37.7 29.8 44.6

Manual Integrations

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#16

Acetone

Concen: 95.180 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012411.D

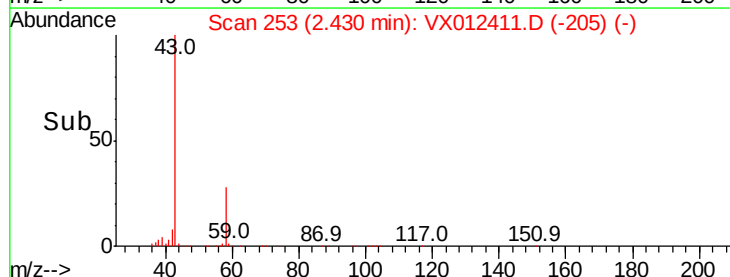
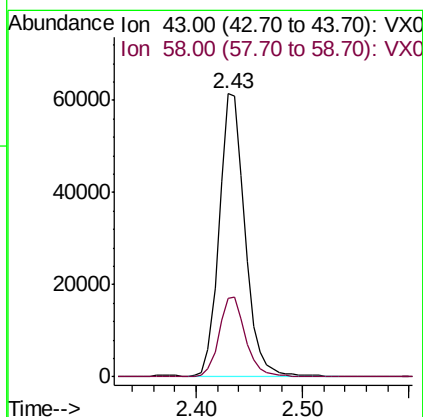
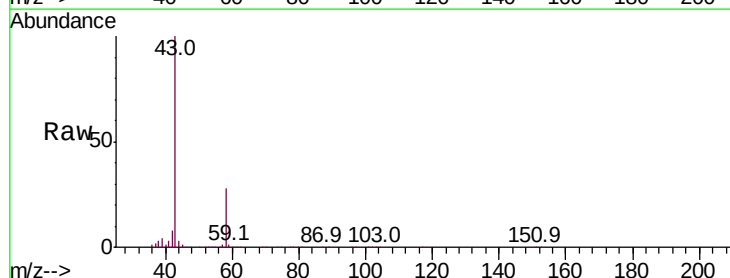
Acq: 16 Sep 2019 17:32

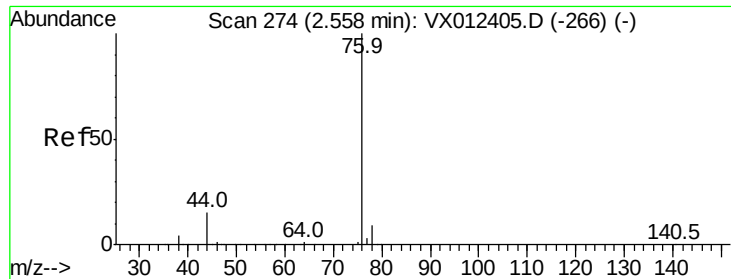
Tgt Ion: 43 Resp: 103256

Ion Ratio Lower Upper

43 100

58 27.7 23.5 35.3





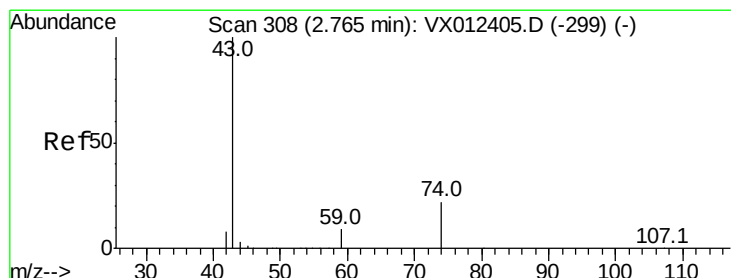
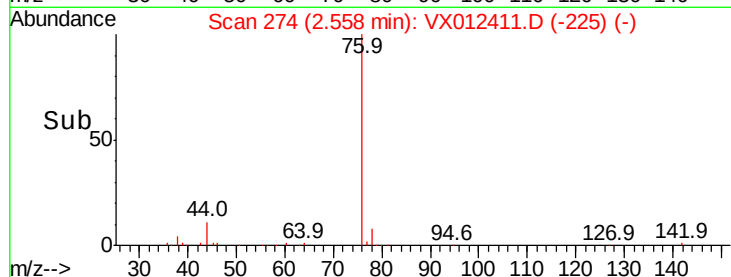
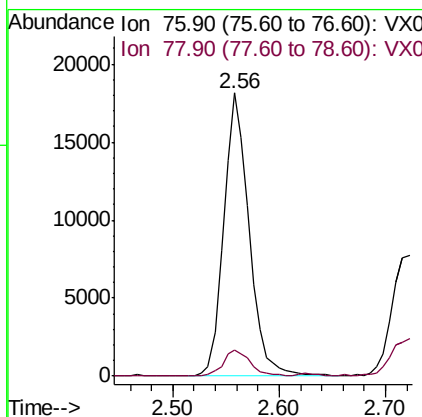
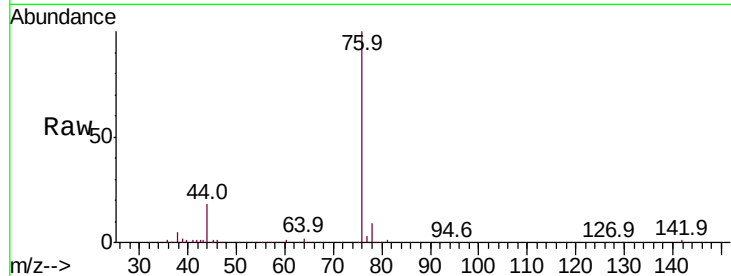
#17
Carbon Disulfide
Concen: 20.657 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

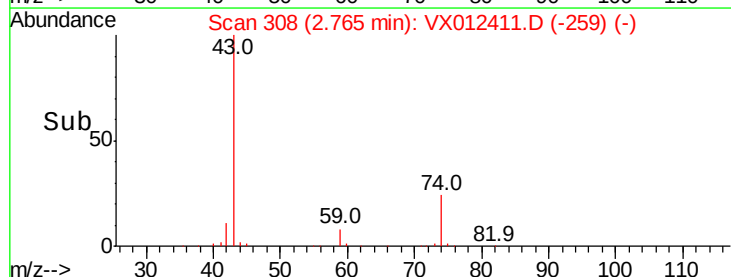
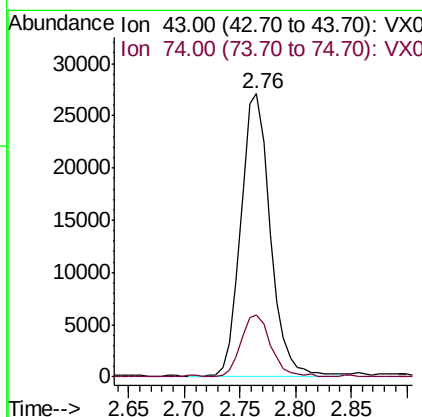
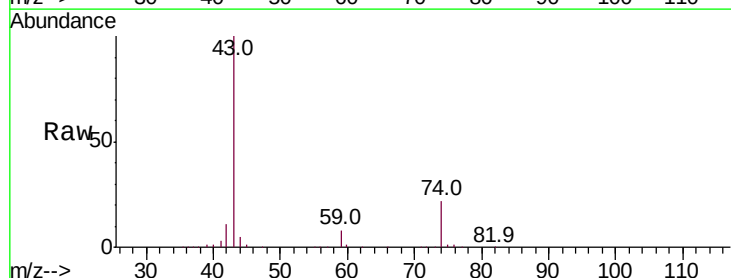
Manual Integrations
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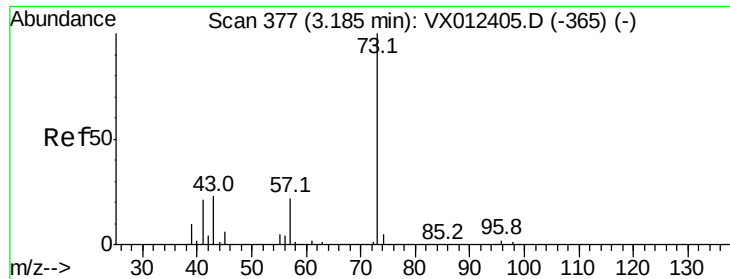
MMDadoda
9/18/2019 11:19:15 AM



#18
Methyl Acetate
Concen: 20.523 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.2	27.2





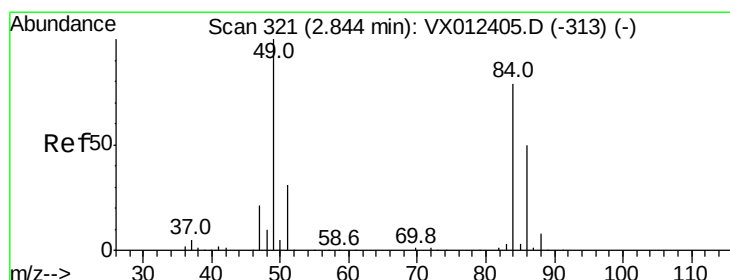
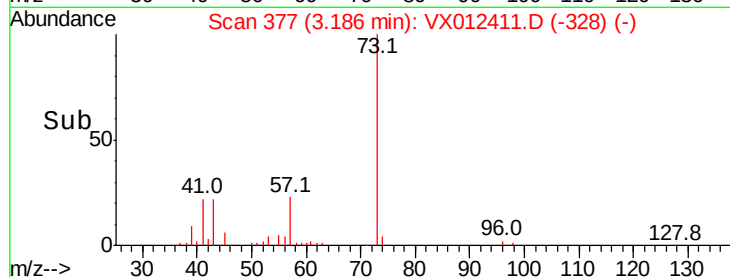
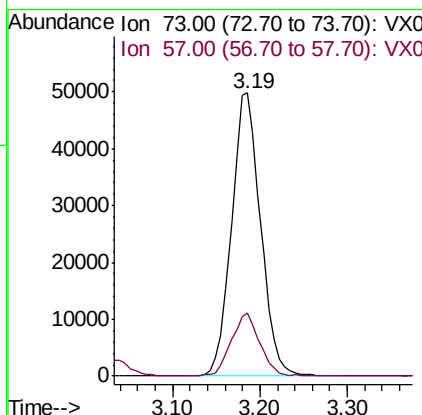
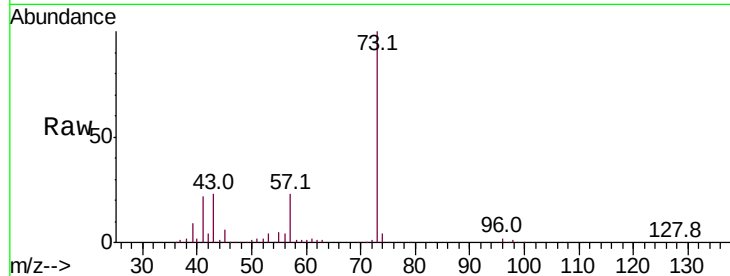
#19
Methvl tert-butvl Ether
Concen: 20.666 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion: 73 Resp: 114891
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.6

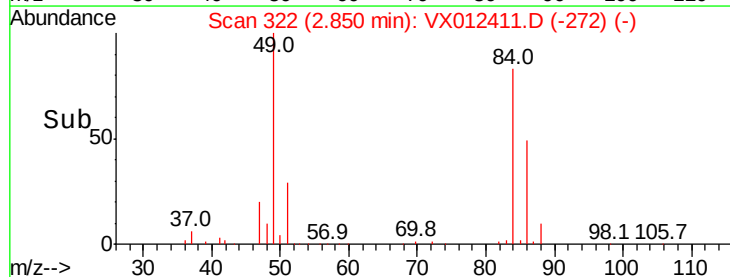
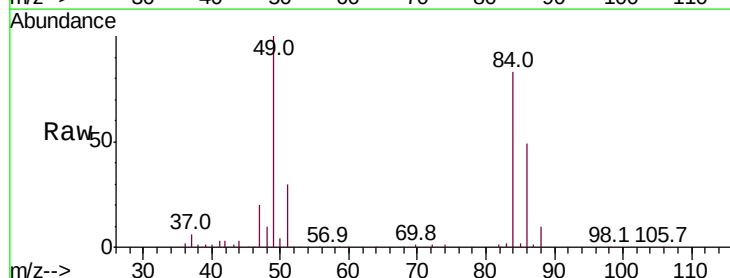
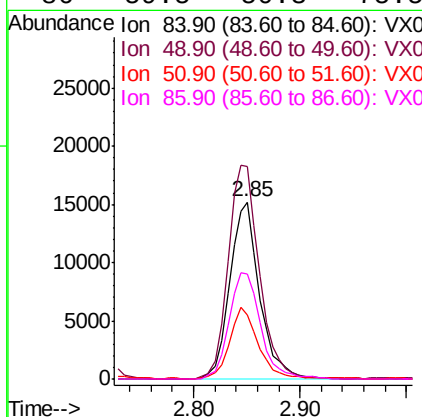
Manual Integrations
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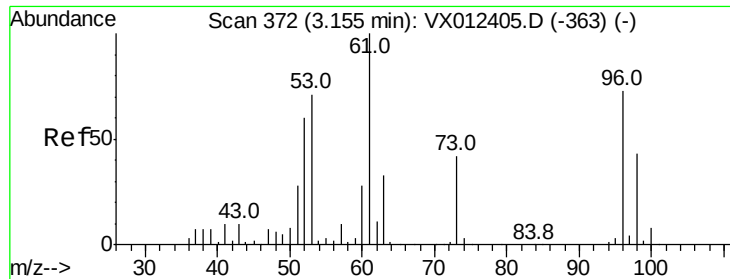
MMDadoda
9/18/2019 11:19:15 AM



#20
Methylene Chloride
Concen: 20.077 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion: 84 Resp: 29716
Ion Ratio Lower Upper
84 100
49 120.4 101.7 152.5
51 35.8 31.2 46.8
86 59.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.887 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion: 96 Resp: 23099

Ion Ratio Lower Upper

96 100

61 142.4 109.7 164.5

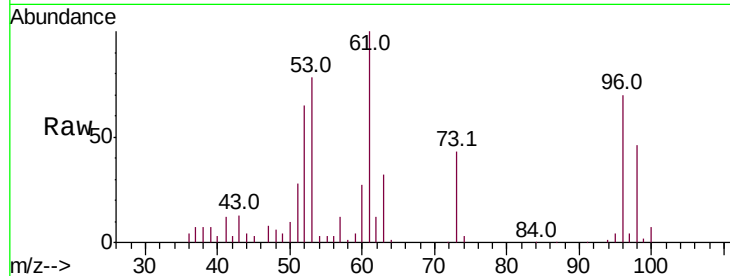
98 65.9 47.0 70.6

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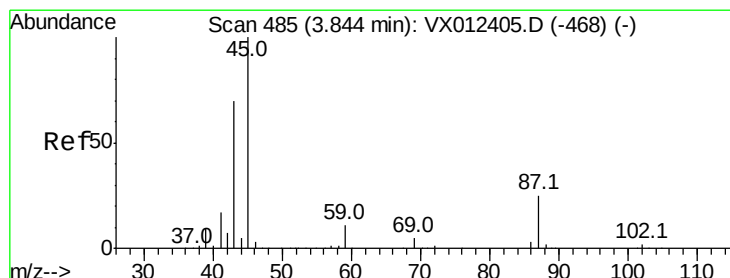
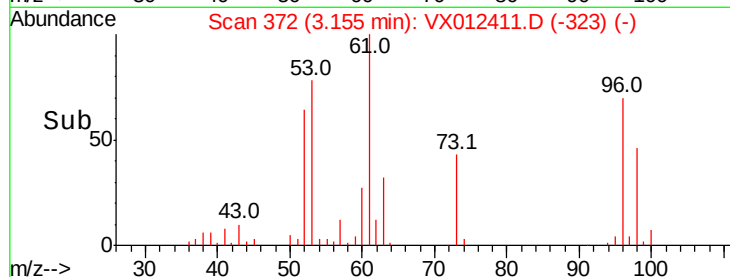
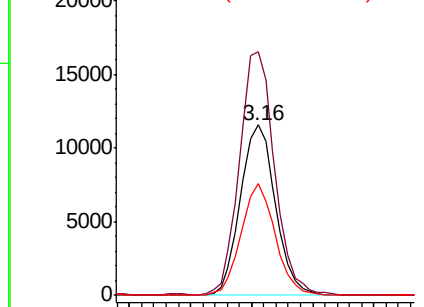


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.736 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Tgt Ion: 45 Resp: 112951

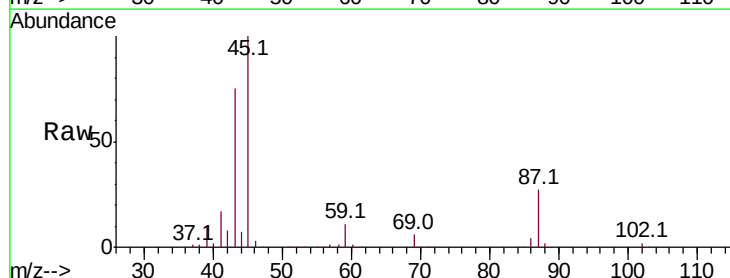
Ion Ratio Lower Upper

45 100

43 75.1 55.8 83.8

87 27.2 20.0 30.0

59 10.8 8.4 12.6



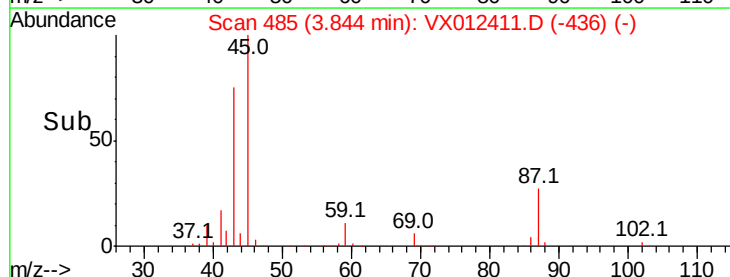
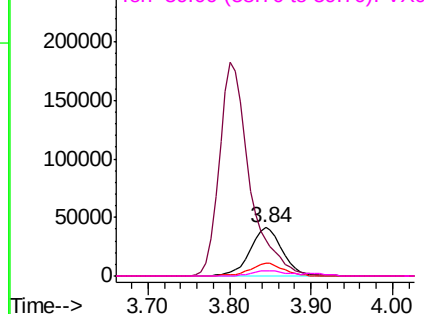
Abundance

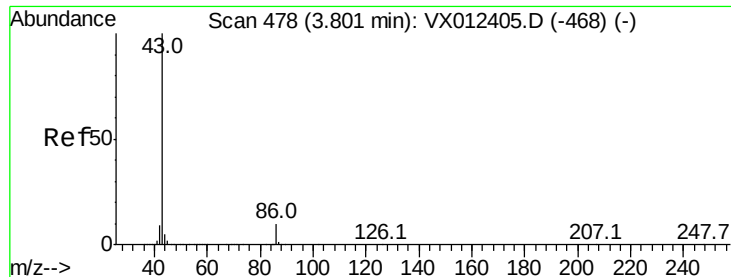
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 105.512 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion: 43 Resp: 474397

Ion Ratio Lower Upper

43 100

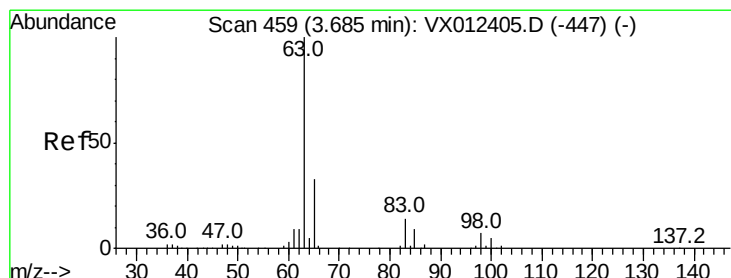
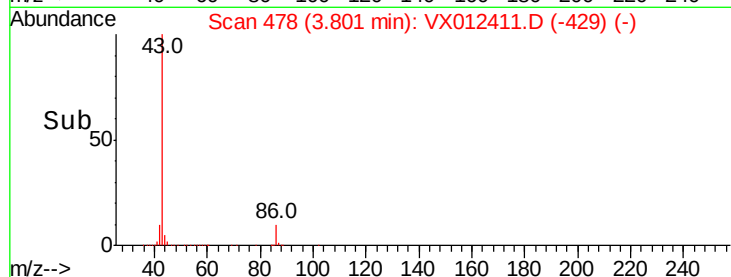
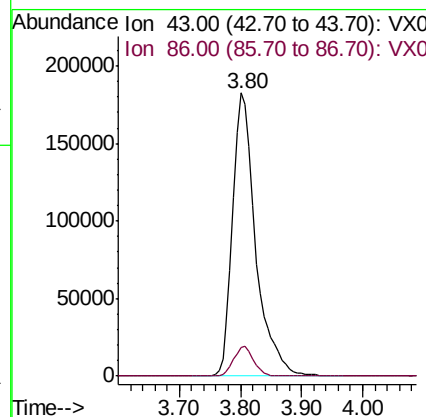
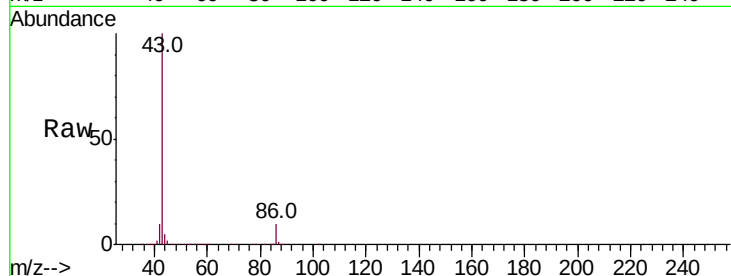
86 10.3 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.649 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

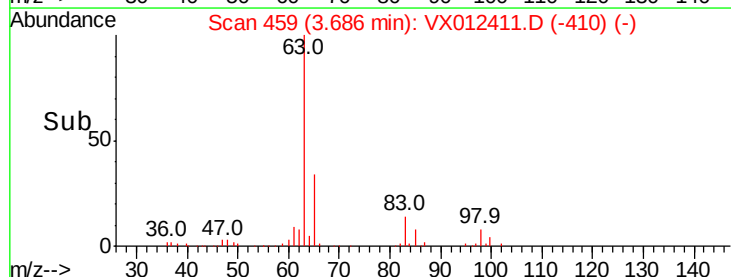
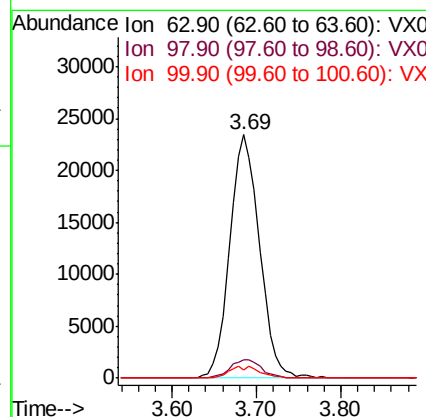
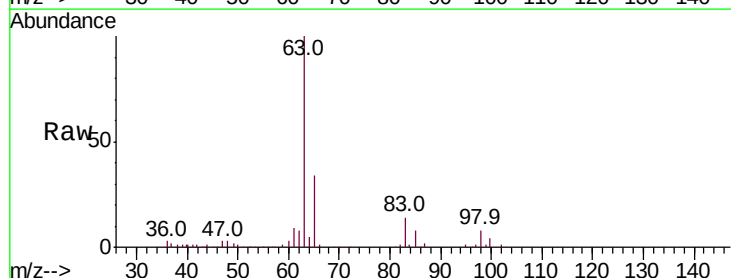
Tgt Ion: 63 Resp: 56279

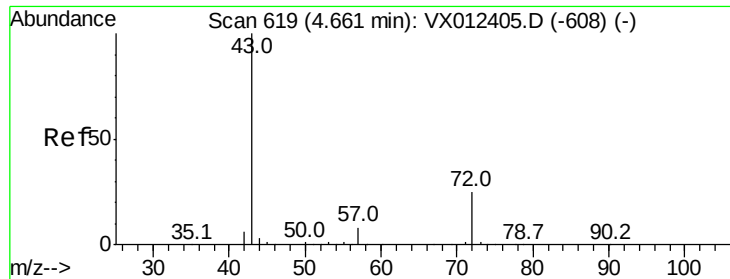
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.6

100 3.6 2.5 7.5





#25

2-Butanone

Concen: 101.843 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion: 43 Resp: 157404

Ion Ratio Lower Upper

43 100

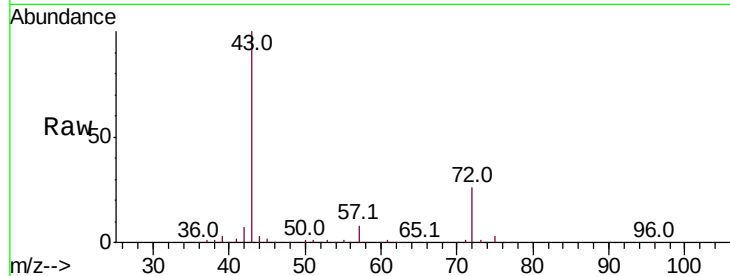
72 25.3 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

60000

50000

40000

30000

20000

10000

0

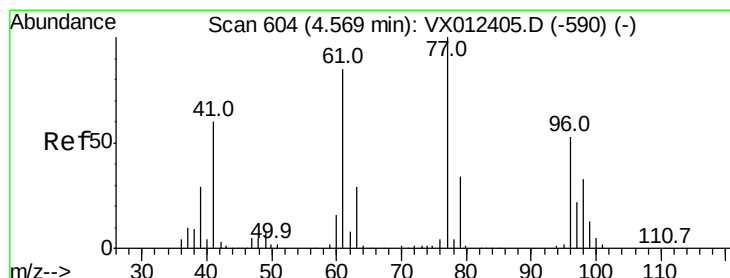
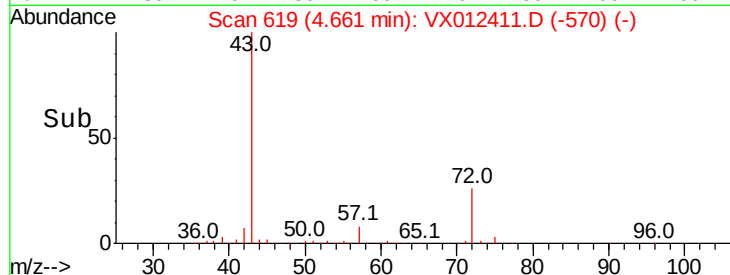
4.60

4.66

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.318 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012411.D

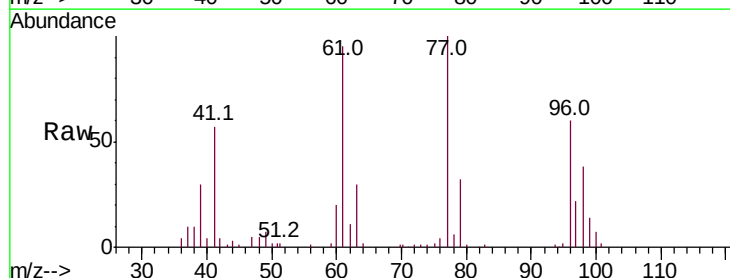
Acq: 16 Sep 2019 17:32

Tgt Ion: 77 Resp: 52822

Ion Ratio Lower Upper

77 100

97 21.0 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

10000

5000

0

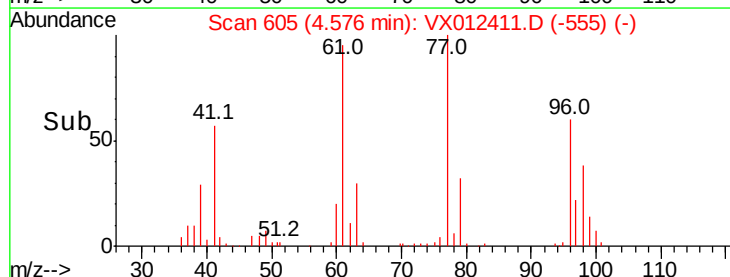
4.50

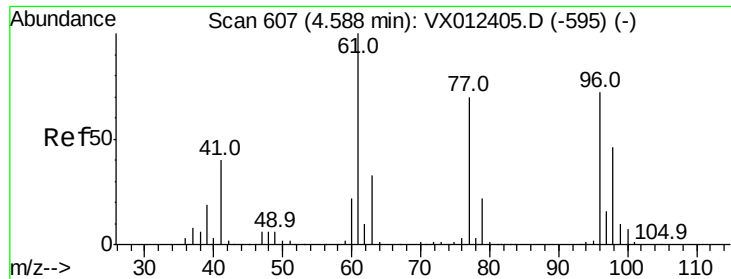
4.58

4.60

4.70

Time-->





#27

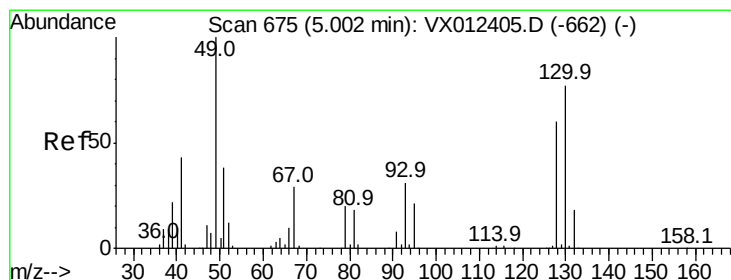
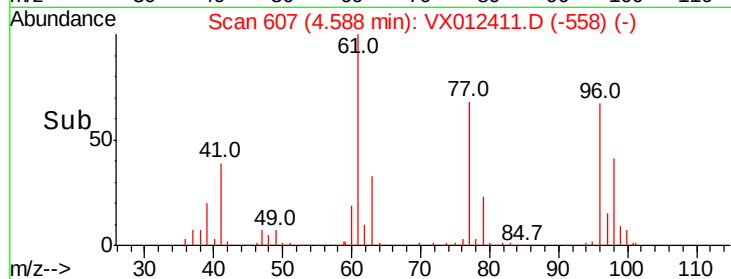
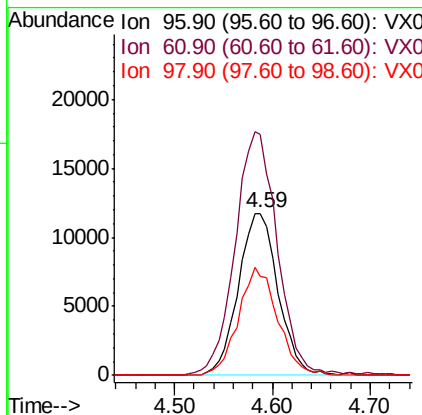
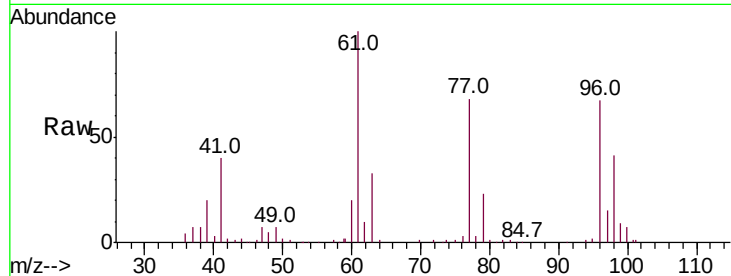
cis-1,2-Dichloroethene
Concen: 20.487 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.1	0.0	307.6
98	65.3	0.0	129.8

Manual Integrations
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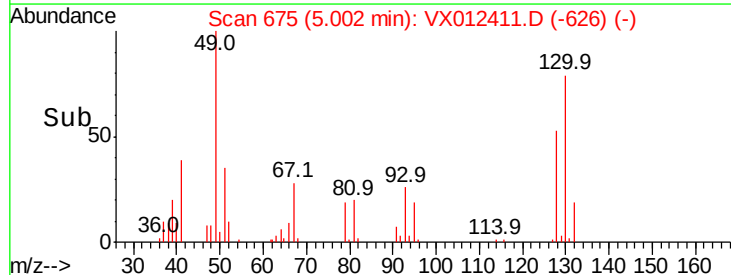
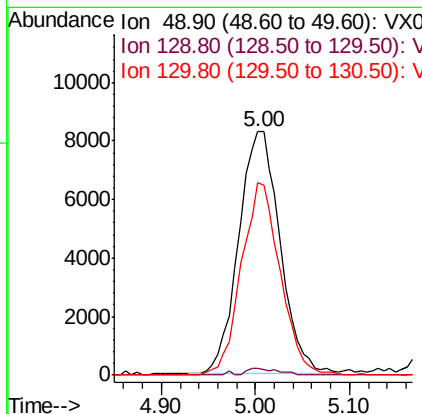
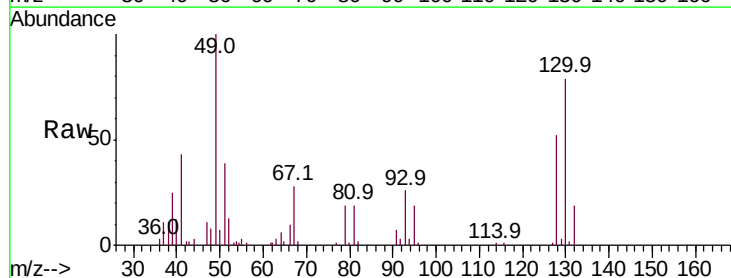
MMDadoda
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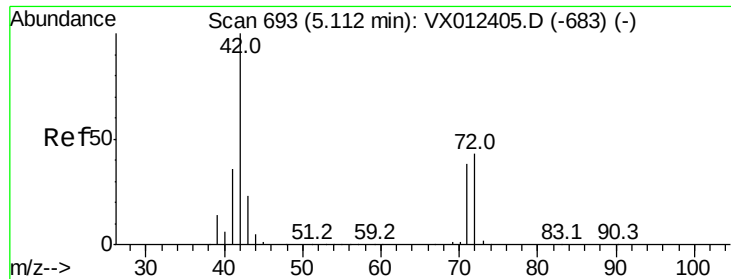


#28

Bromochloromethane
Concen: 18.139 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	74.9	61.3	91.9





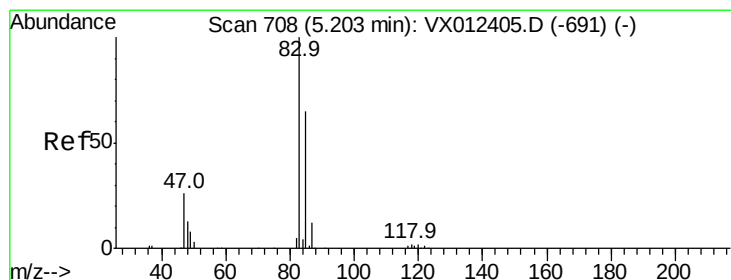
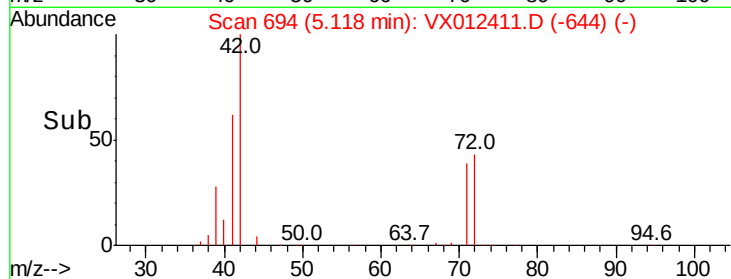
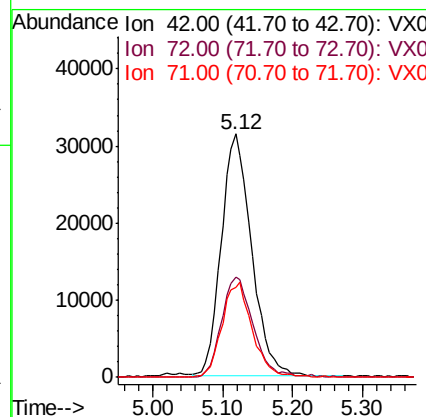
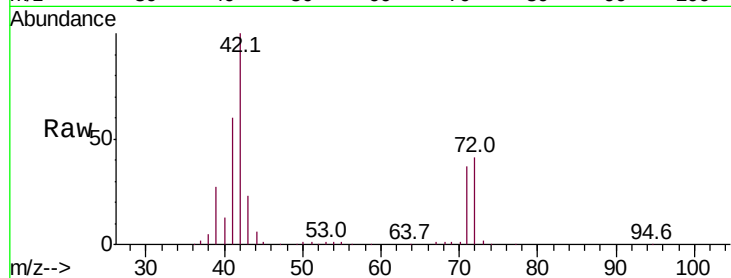
#29
Tetrahydrofuran
Concen: 105.536 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.9	52.3
71	39.4	32.6	48.8

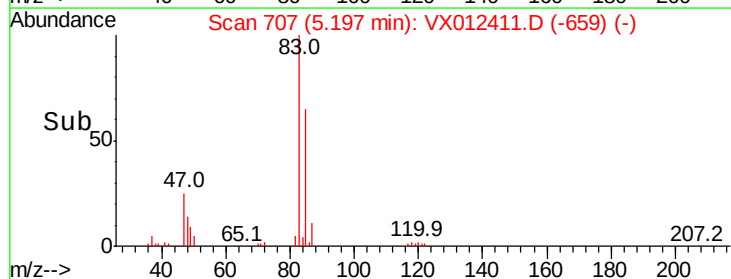
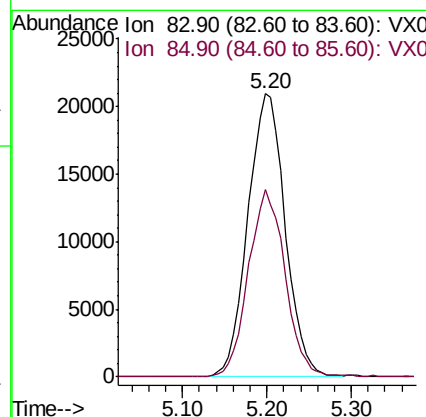
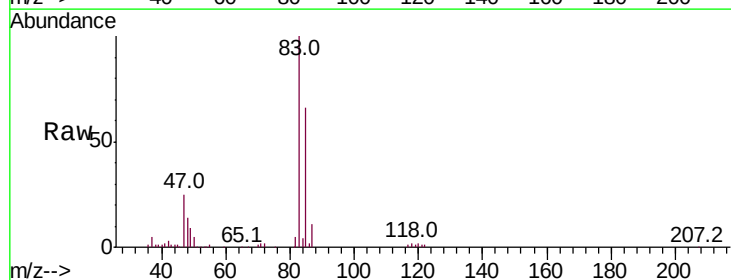
Manual Integrations
APPROVED

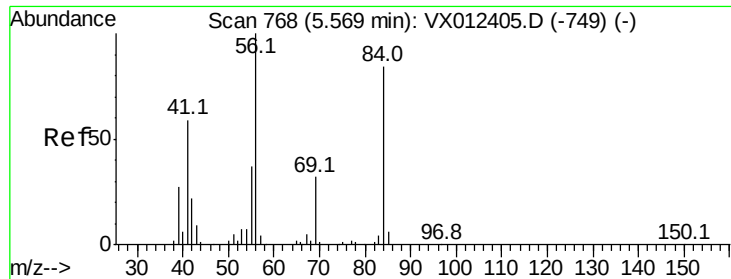
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#30
Chloroform
Concen: 20.030 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.9	77.9





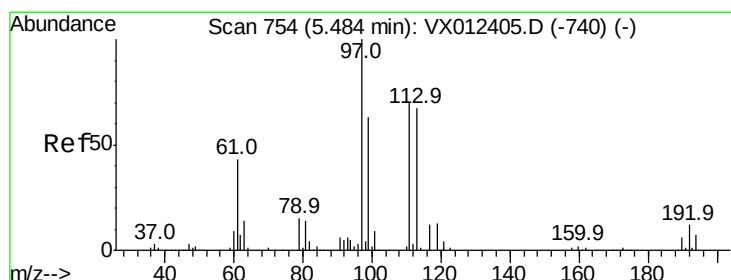
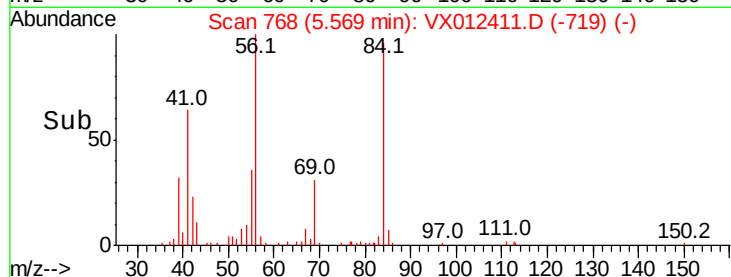
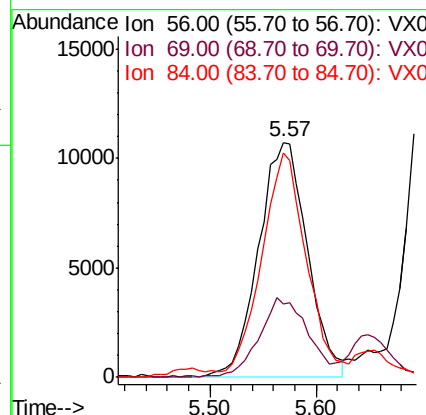
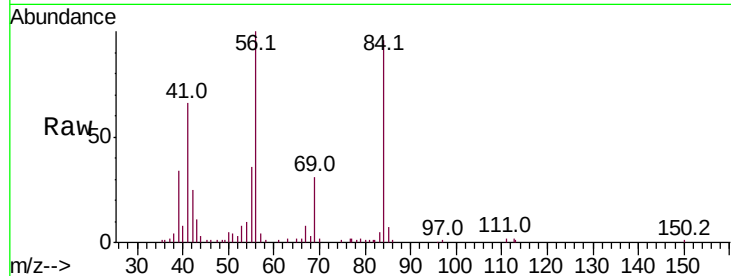
#31
Cyclohexane
Concen: 20.678 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.9	37.3
84	91.5	67.2	100.8

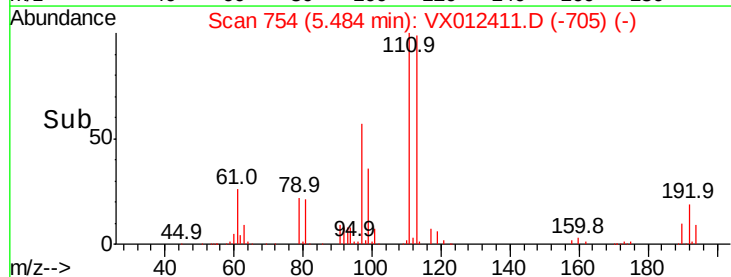
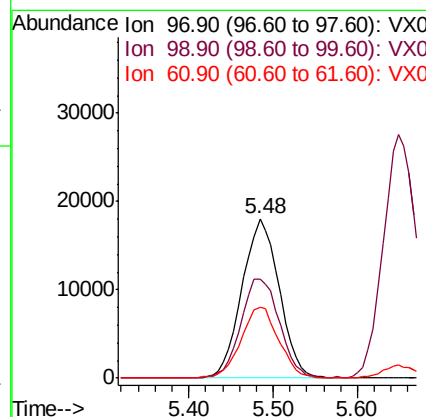
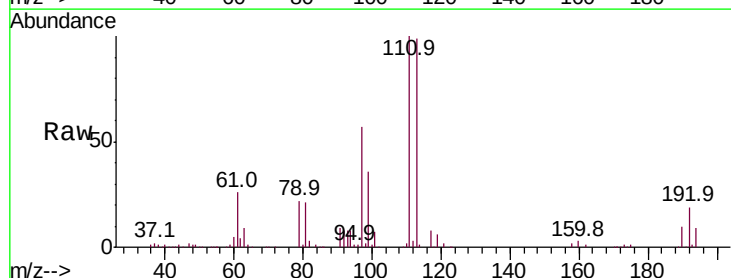
Manual Integrations
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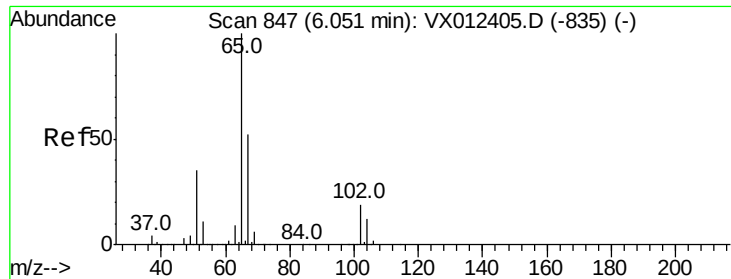
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#32
1,1,1-Trichloroethane
Concen: 20.695 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	45.0	35.7	53.5





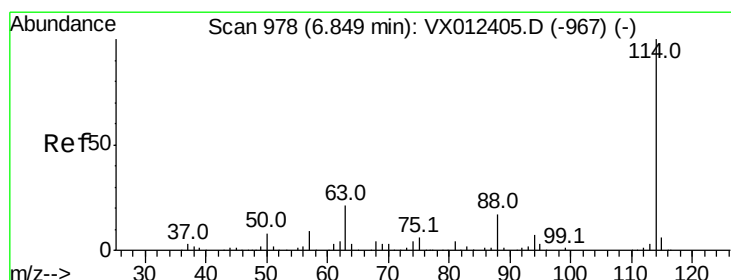
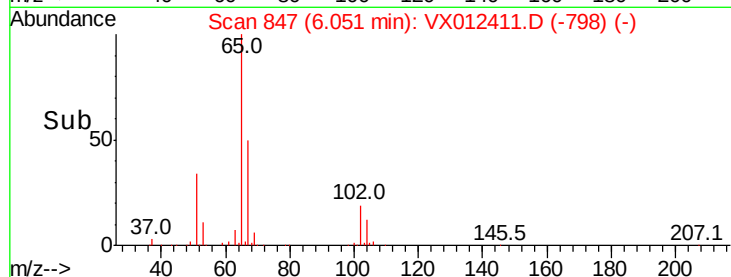
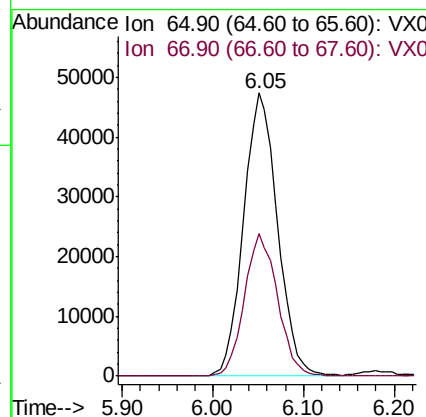
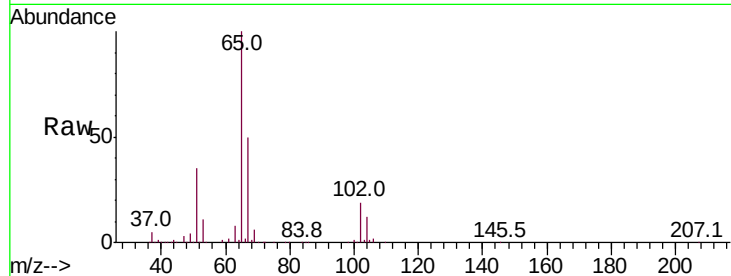
#33
 1,2-Dichloroethane-d4
 Concen: 50.917 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0916WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	122984		
67	49.3	0.0	102.8	

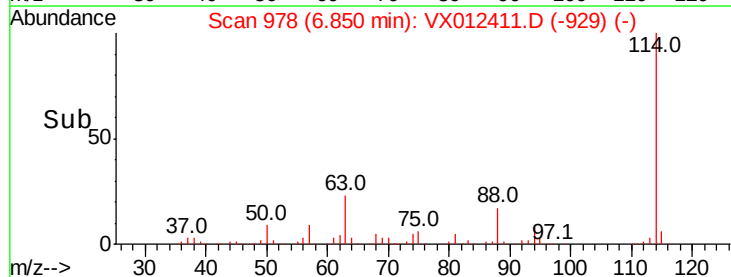
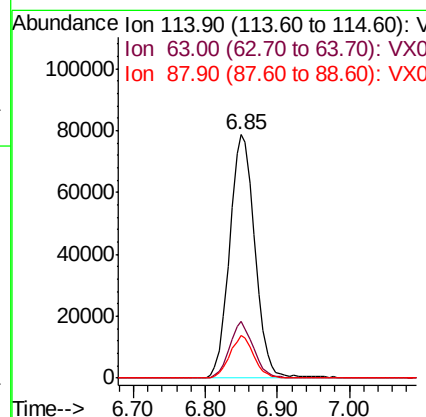
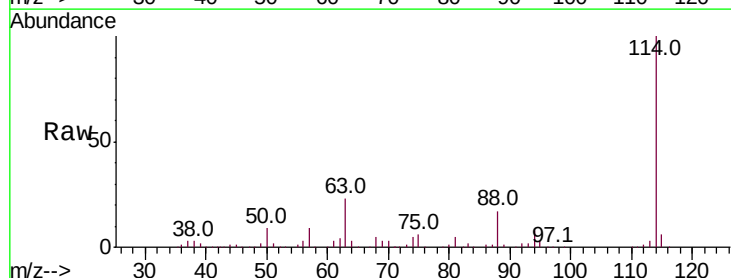
Manual Integrations
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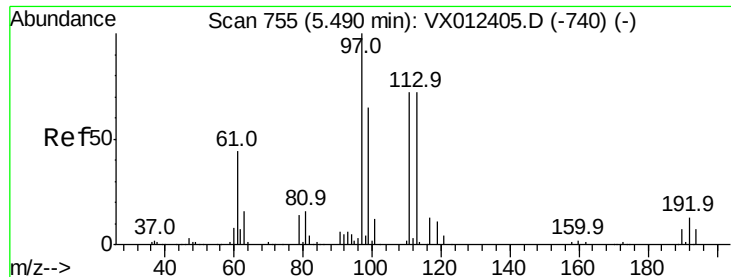
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	192450		
63	23.2	0.0	42.4	
88	17.3	0.0	33.4	





#35

Dibromofluoromethane

Concen: 48.278 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

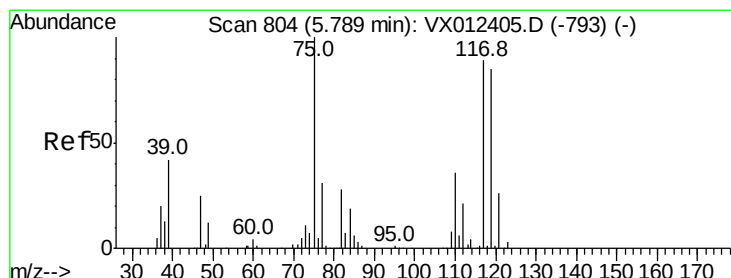
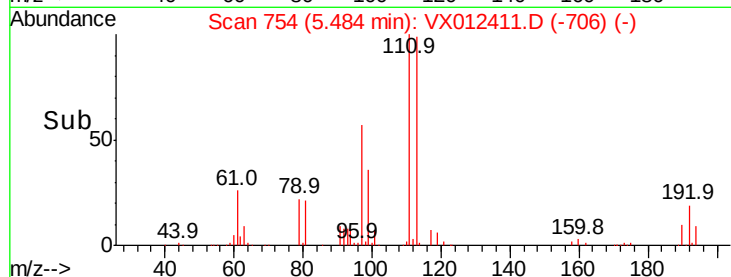
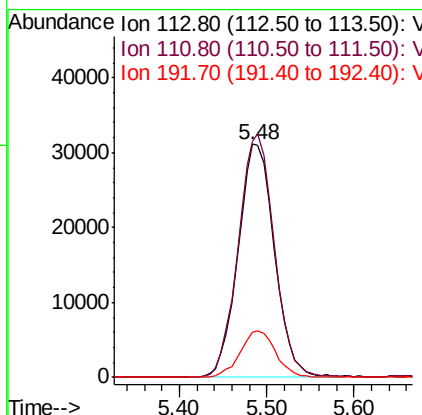
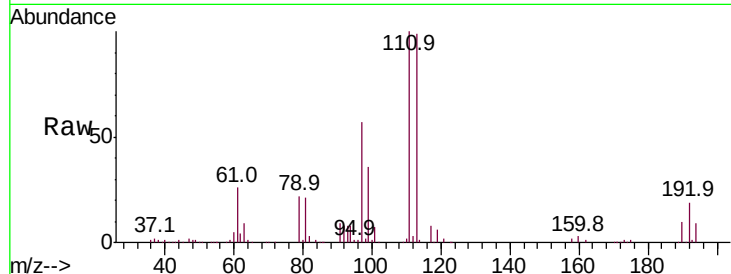
ClientSampleId :

VX0916WBSD01

Tot Ion:	113	Resp:	90001
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.8	122.6
192	19.4	15.0	22.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.238 ug/l

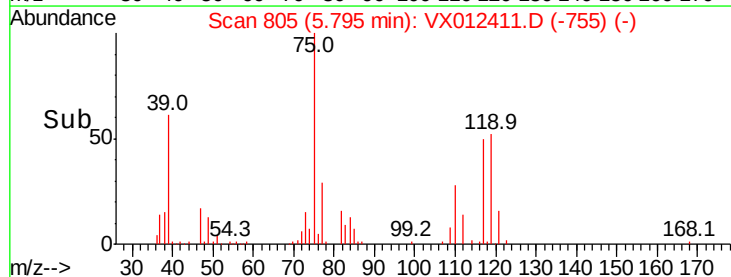
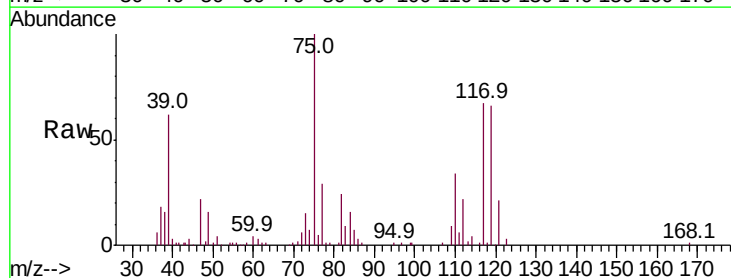
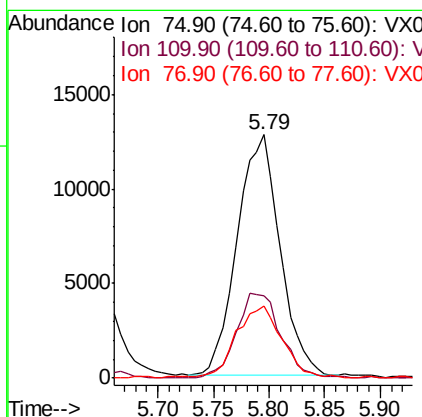
RT: 5.79 min Scan# 805

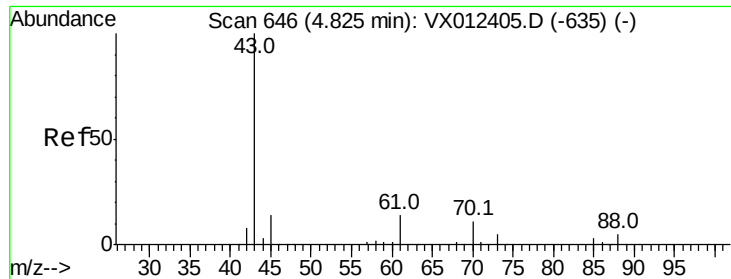
Delta R.T. 0.01 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Tgt Ion:	75	Resp:	34212
Ion Ratio	Lower	Upper	
75	100		
110	36.4	17.4	52.2
77	32.4	24.8	37.2





#37

Ethyl Acetate

Concen: 20.129 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.01 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

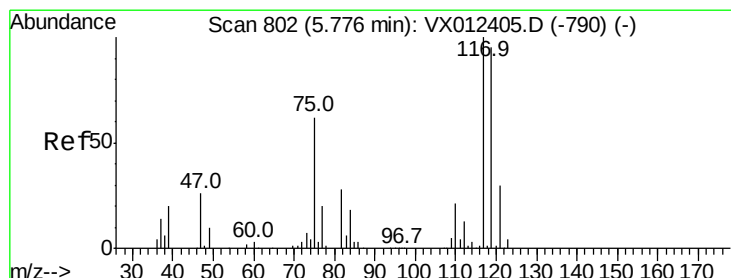
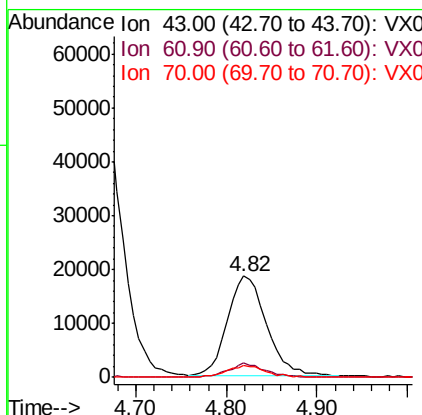
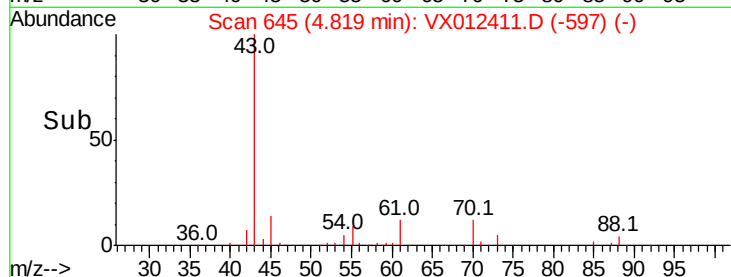
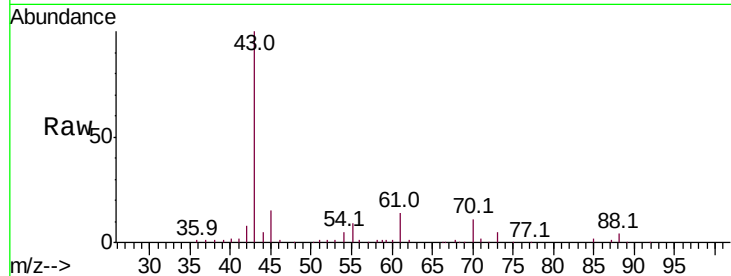
ClientSampleId :

VX0916WBSD01

Tot Ion:	43	Resp:	55118
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.2	16.8
70	12.1	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.107 ug/l

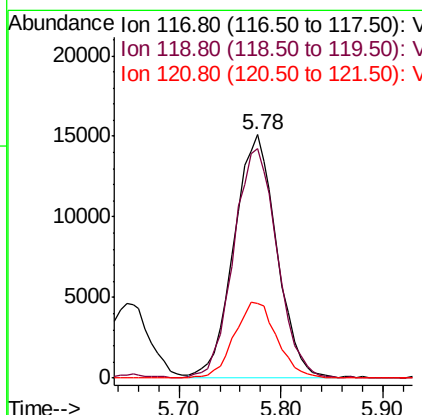
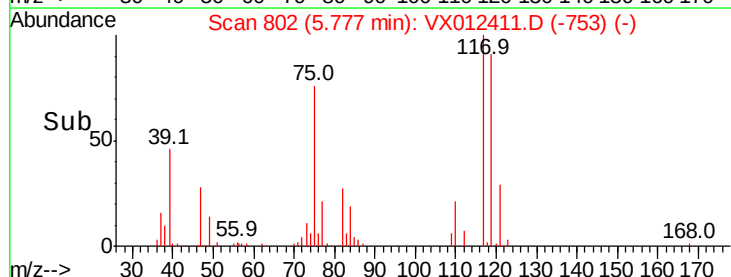
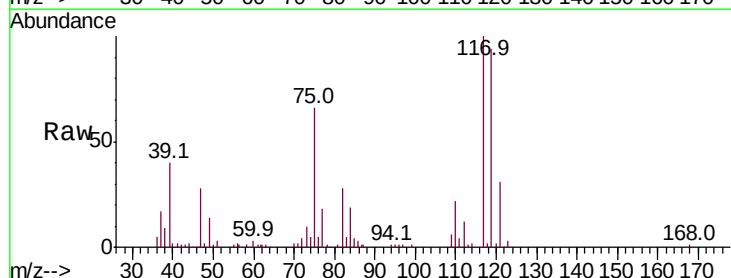
RT: 5.78 min Scan# 802

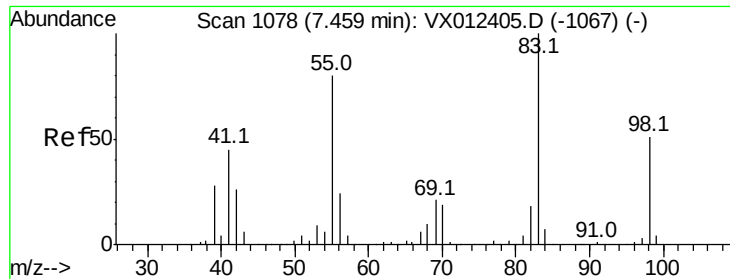
Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Tgt Ion:	117	Resp:	43639
Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.8	113.8
121	31.0	23.8	35.6





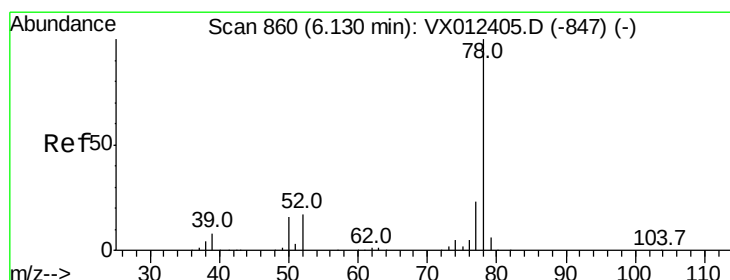
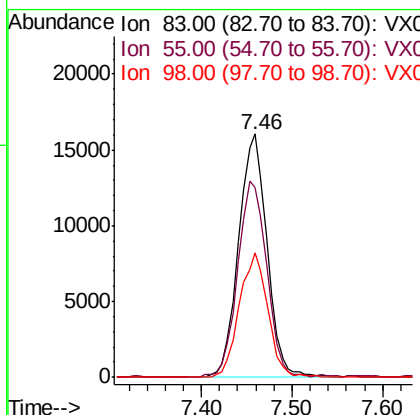
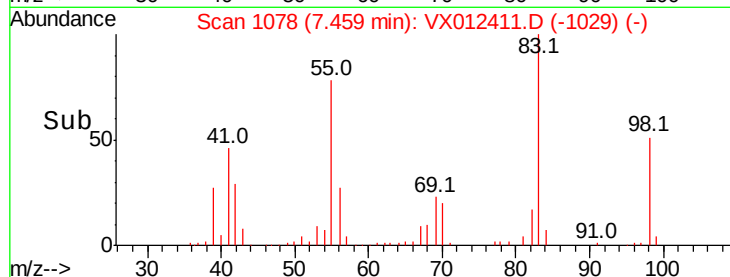
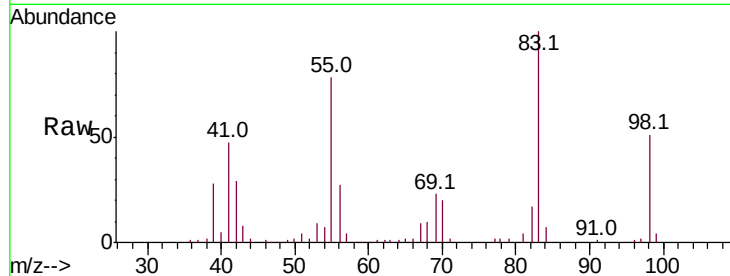
#39
Methylvlcyclohexane
Concen: 20.477 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion	83	Resp	34979
Ion	Ratio	Lower	Upper
83	100		
55	78.0	63.8	95.6
98	51.2	40.6	61.0

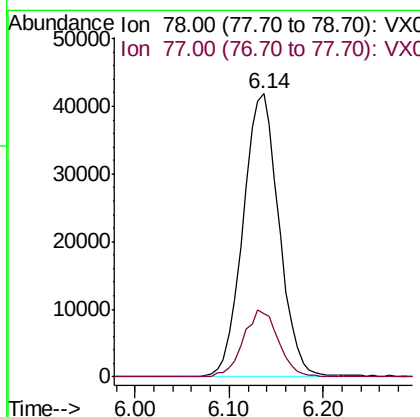
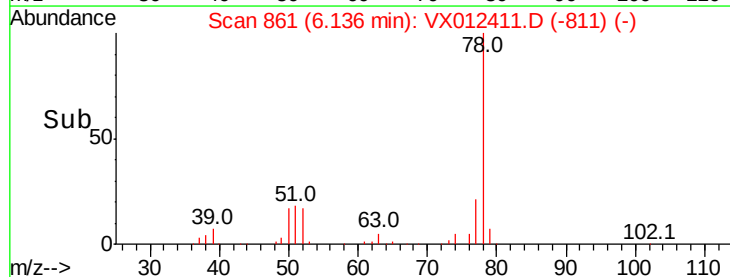
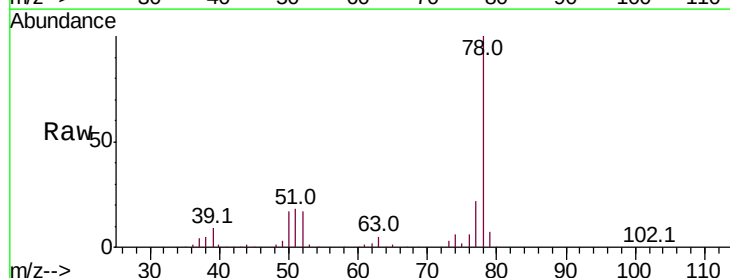
Manual Integrations
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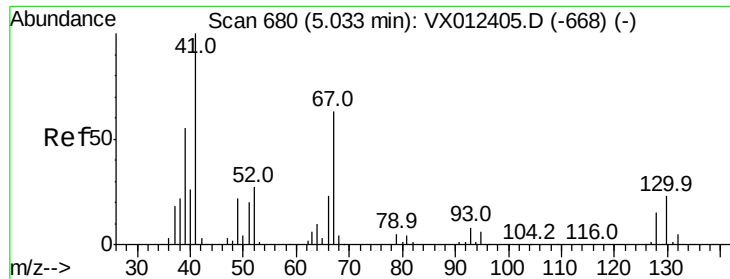
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#40
Benzene
Concen: 20.434 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion	78	Resp	111977
Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.2	27.2





#41

Methacrylonitrile

Concen: 20.954 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion: 41 Resp: 32758

Ion Ratio Lower Upper

41 100

39 55.6 44.4 66.6

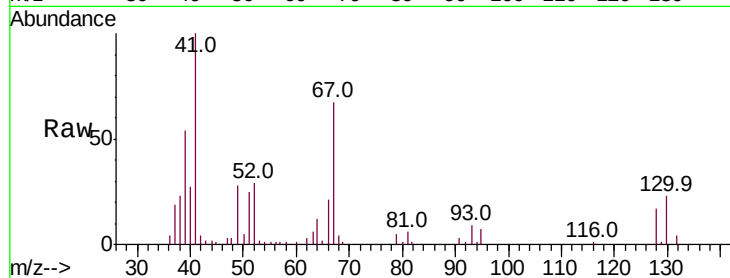
67 70.6 53.8 80.8

52 28.4 22.2 33.4

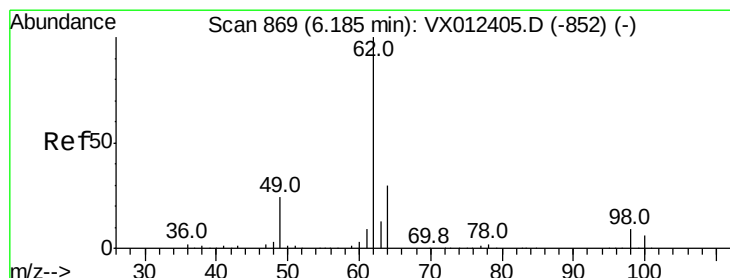
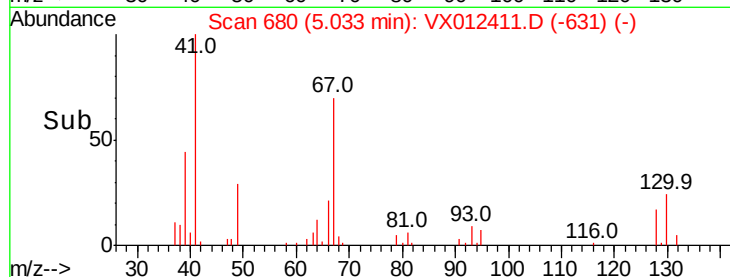
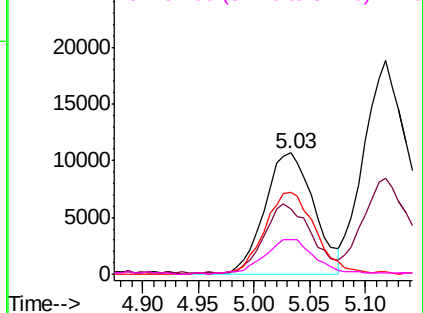
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.740 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012411.D

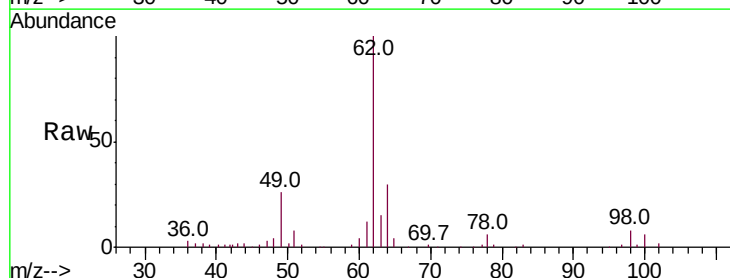
Acq: 16 Sep 2019 17:32

Tgt Ion: 62 Resp: 51749

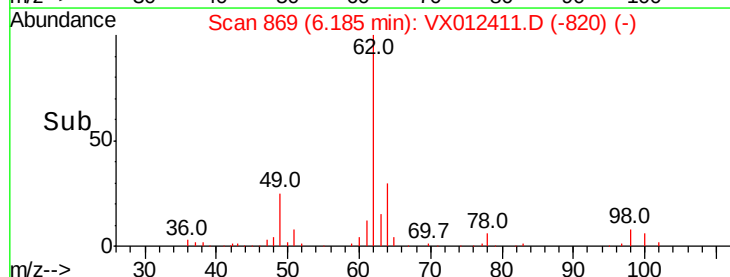
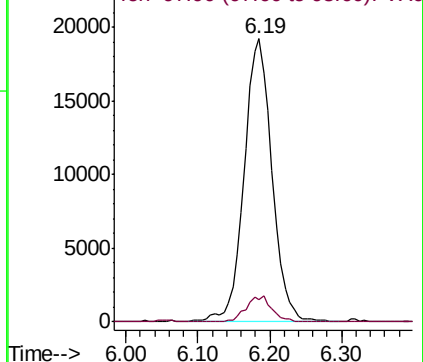
Ion Ratio Lower Upper

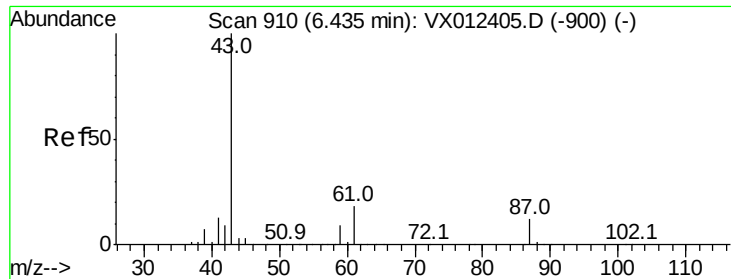
62 100

98 8.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.796 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

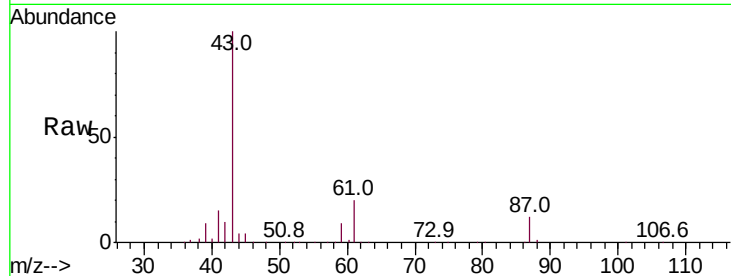
ClientSampleId :

VX0916WBSD01

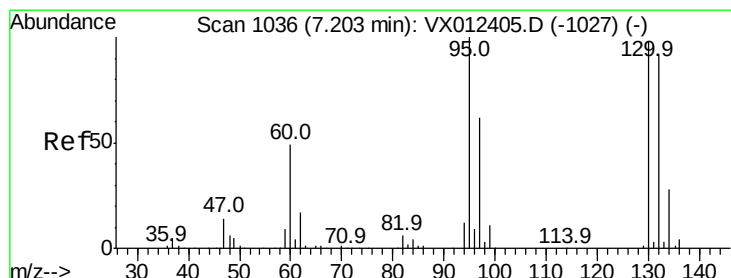
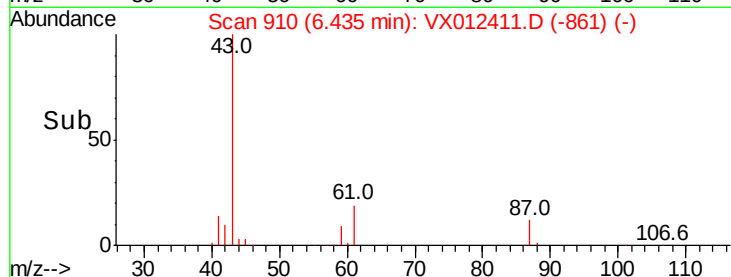
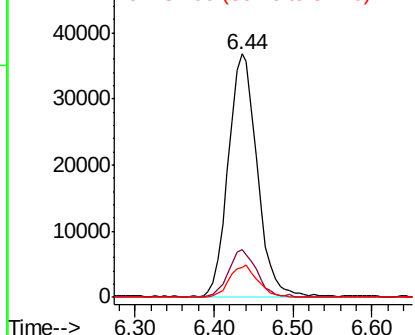
Tot Ion:	43	Resp:	93004
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.5	23.3
87	13.2	10.0	15.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 20.244 ug/l

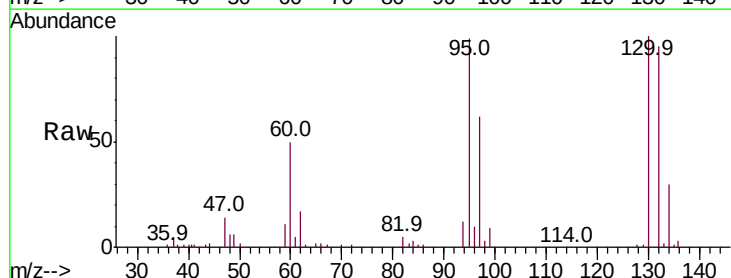
RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

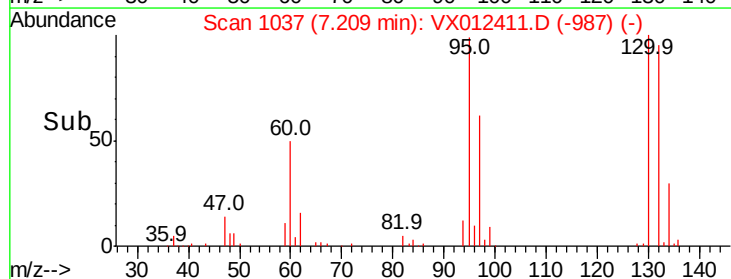
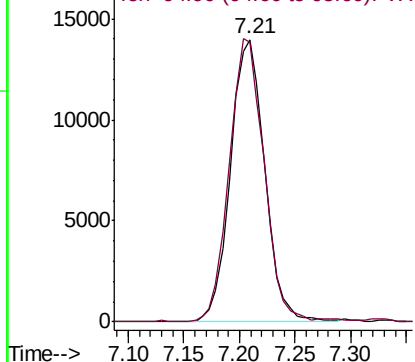
Lab File: VX012411.D

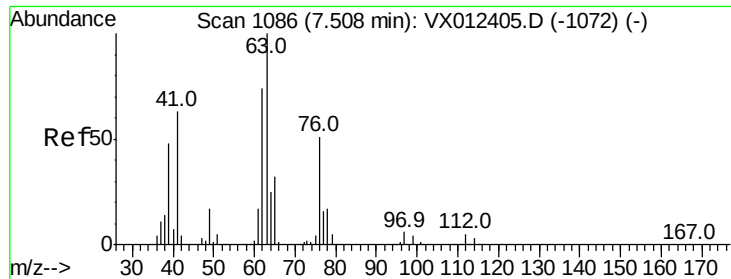
Acq: 16 Sep 2019 17:32

Tgt Ion:	130	Resp:	29796
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	203.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





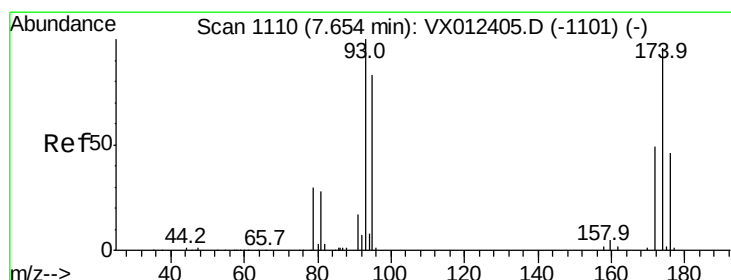
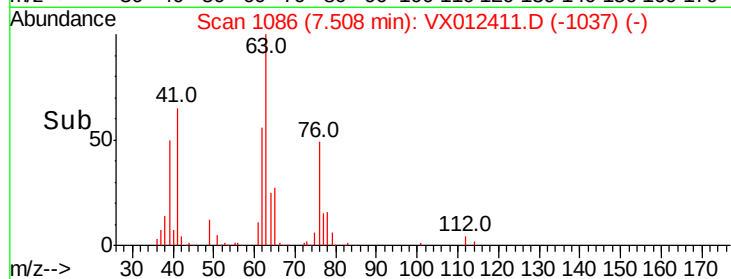
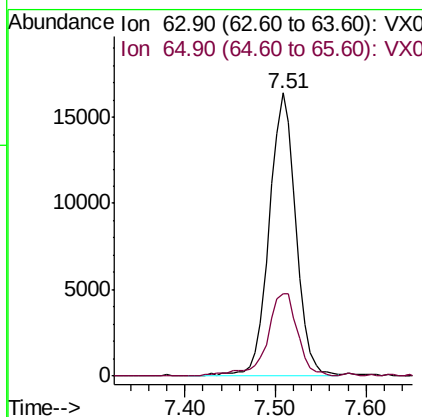
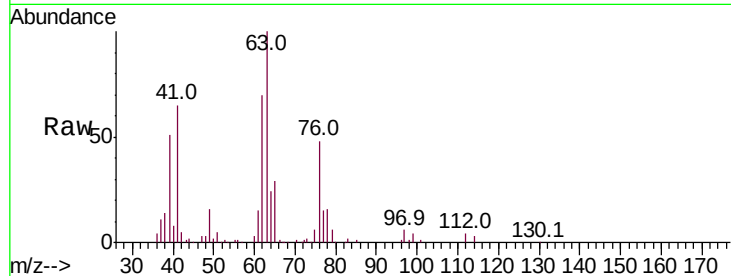
#45
 1,2-Dichloropropane
 Concen: 19.995 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	25.6	38.4

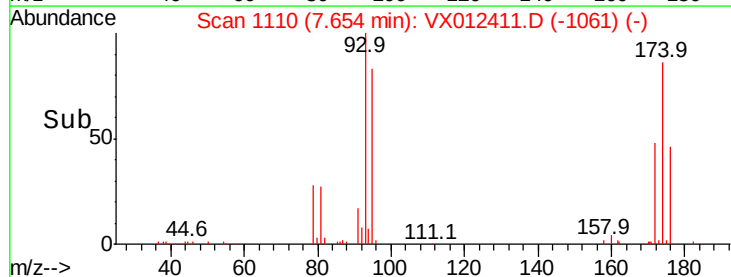
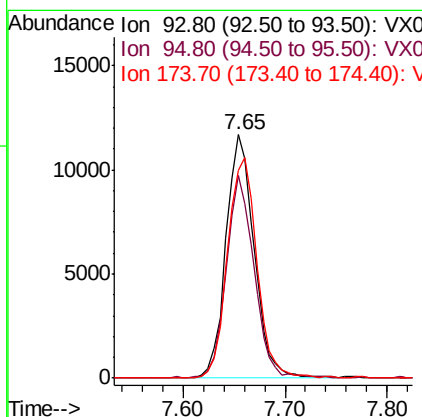
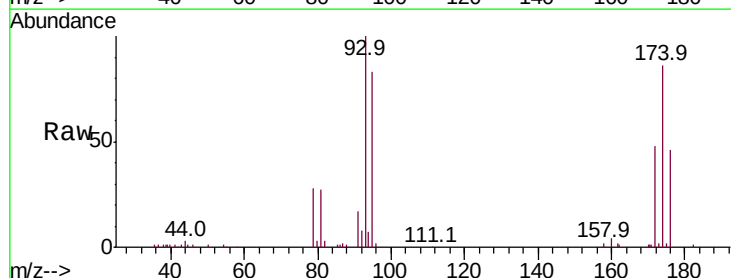
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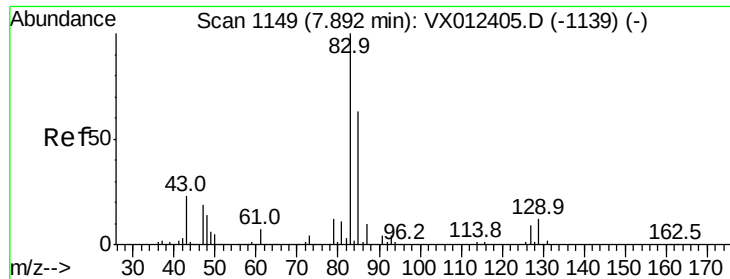
MMDadoda
 9/18/2019 11:19:15 AM



#46
 Dibromomethane
 Concen: 19.979 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.2	99.2
174	94.2	78.6	118.0





#47

Bromodichloromethane

Concen: 19.681 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

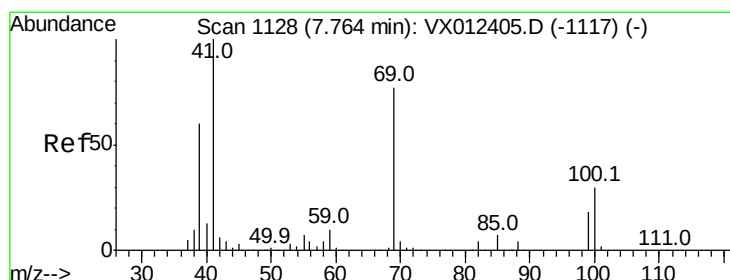
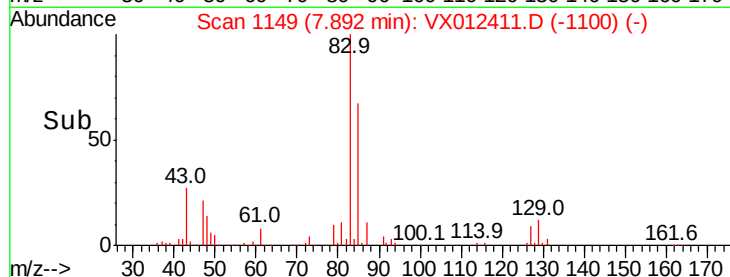
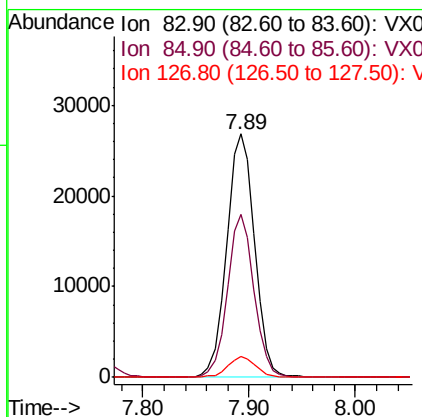
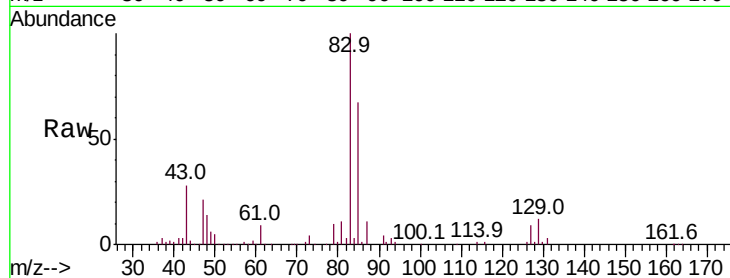
ClientSampleId :

VX0916WBSD01

Tot Ion:	83	Resp:	49091
Ion Ratio	Lower	Upper	
83	100		
85	66.7	50.2	75.4
127	8.6	6.9	10.3

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#48

Methyl methacrylate

Concen: 19.359 ug/l

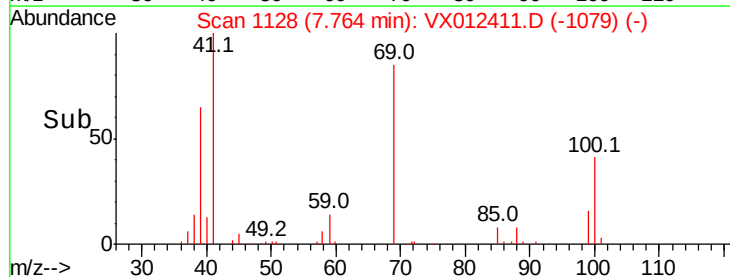
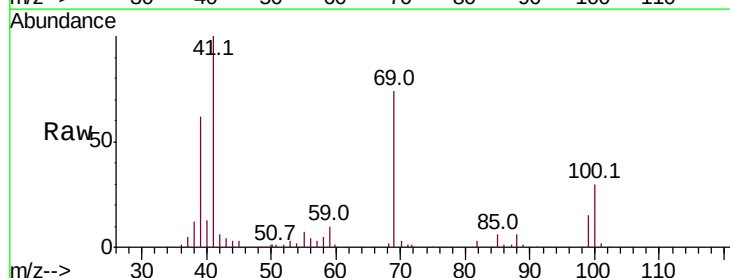
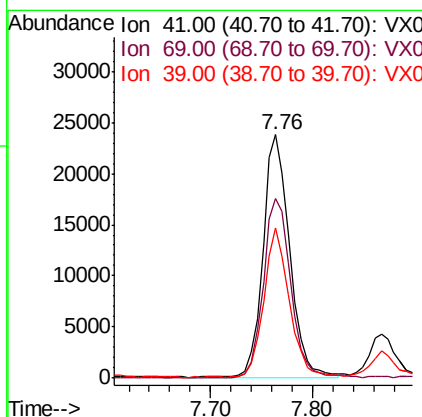
RT: 7.76 min Scan# 1128

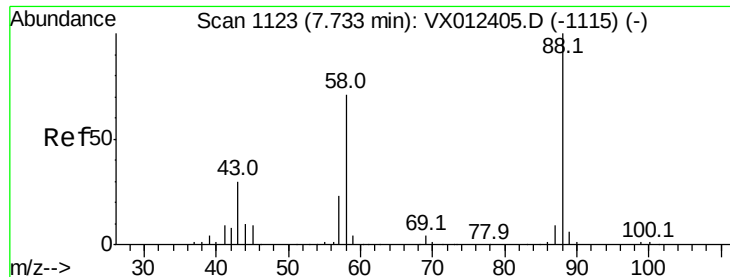
Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Tgt Ion:	41	Resp:	42979
Ion Ratio	Lower	Upper	
41	100		
69	76.9	61.6	92.4
39	59.3	47.6	71.4





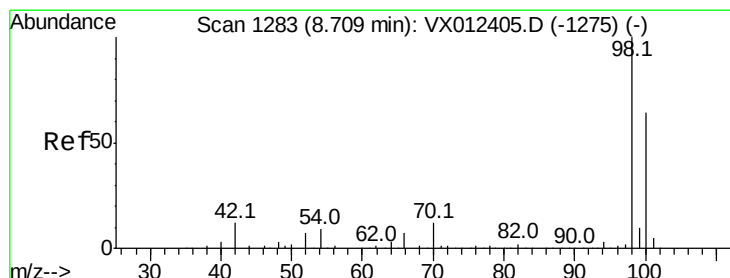
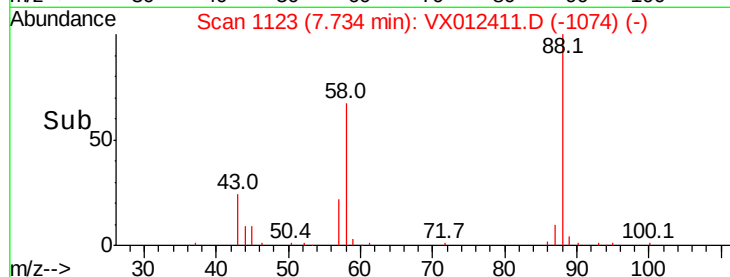
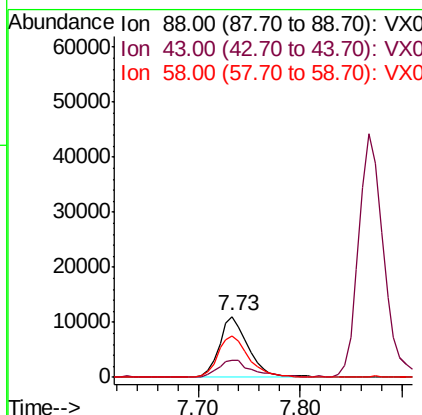
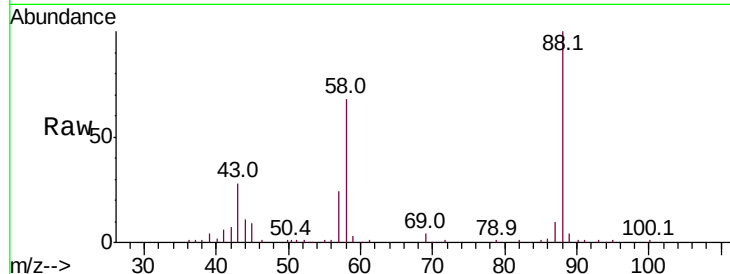
#49
1,4-Dioxane
Concen: 404.584 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	26.6	39.8
58	73.4	57.1	85.7

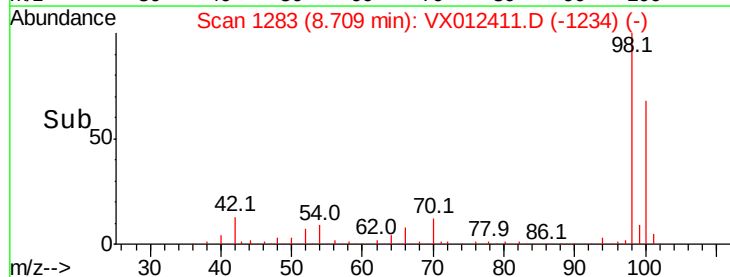
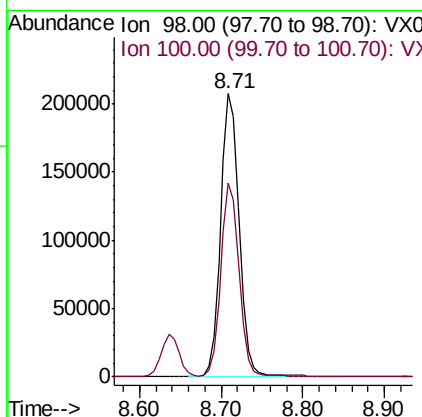
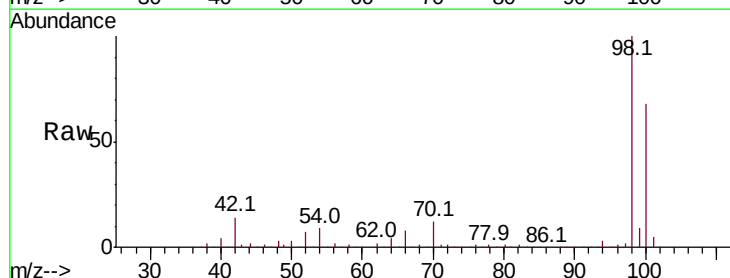
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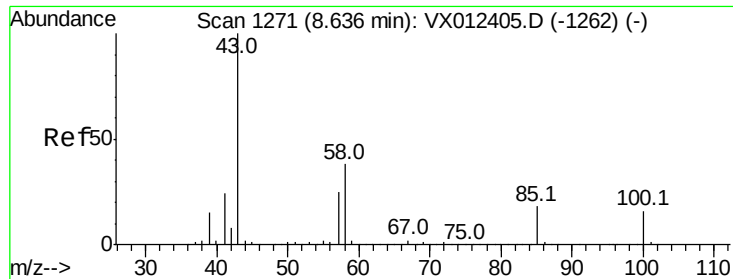
MMDadoda
9/18/2019 11:19:15 AM



#50
Toluene-d8
Concen: 49.871 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 99.765 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion: 43 Resp: 303703

Ion Ratio Lower Upper

43 100

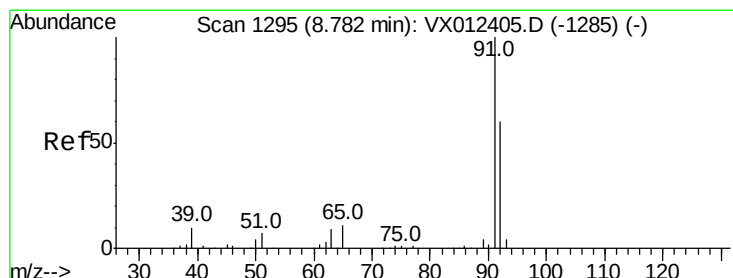
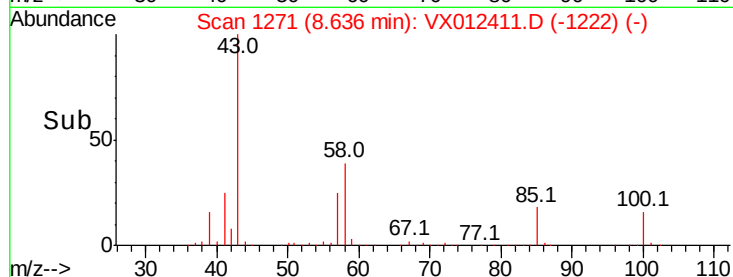
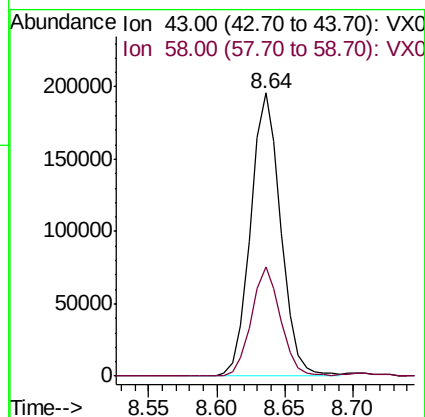
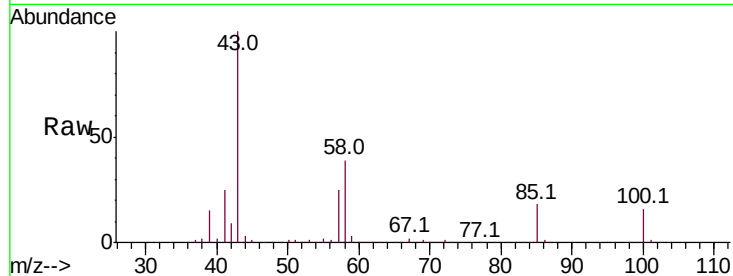
58 37.5 30.2 45.4

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#52

Toluene

Concen: 20.331 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012411.D

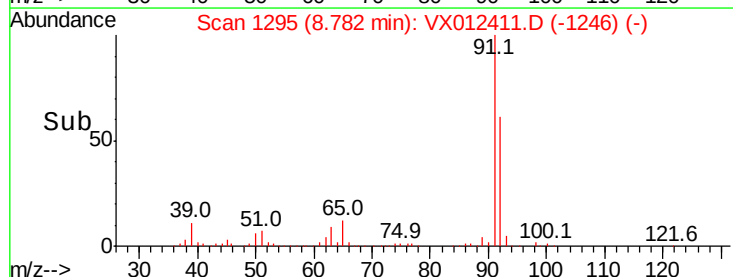
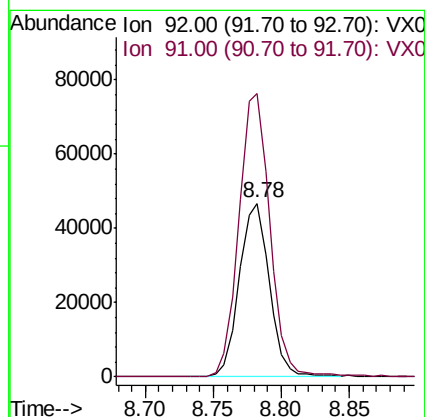
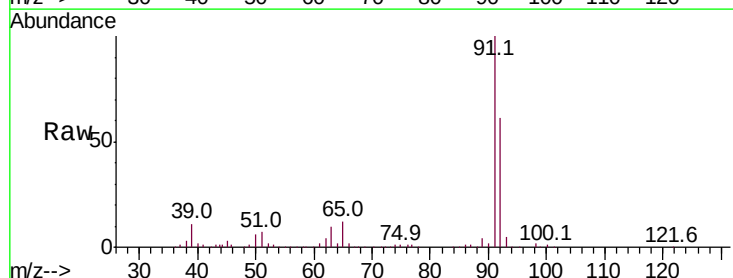
Acq: 16 Sep 2019 17:32

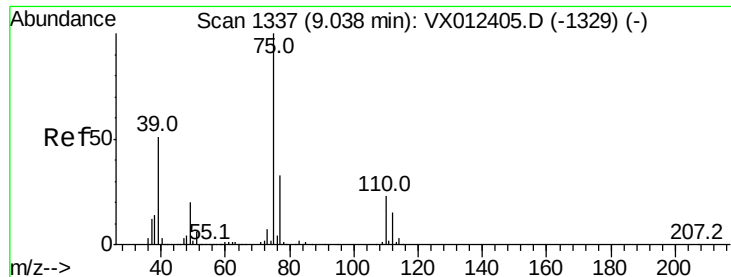
Tgt Ion: 92 Resp: 72525

Ion Ratio Lower Upper

92 100

91 168.5 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 19.393 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion: 75 Resp: 50165

Ion Ratio Lower Upper

75 100

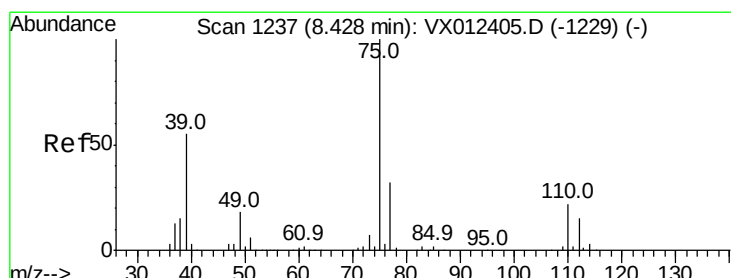
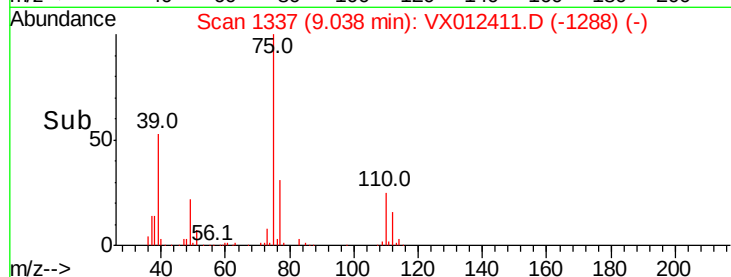
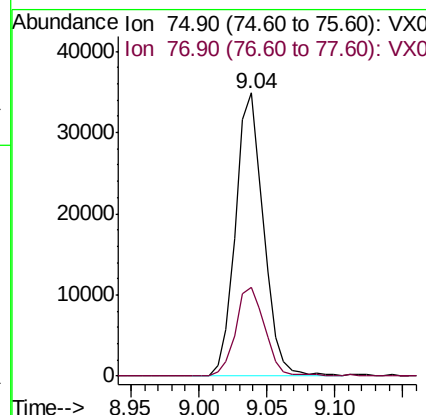
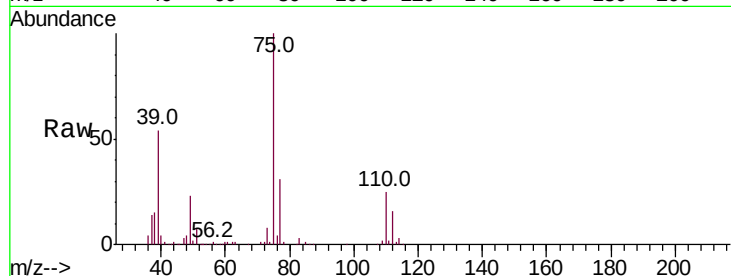
77 31.3 26.1 39.1

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#54

cis-1,3-Dichloropropene

Concen: 19.817 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

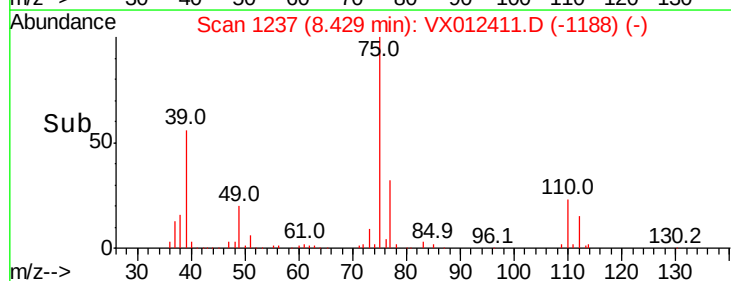
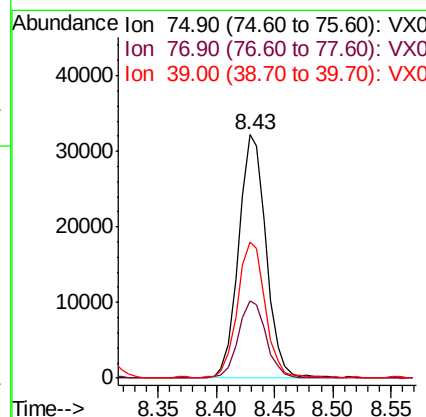
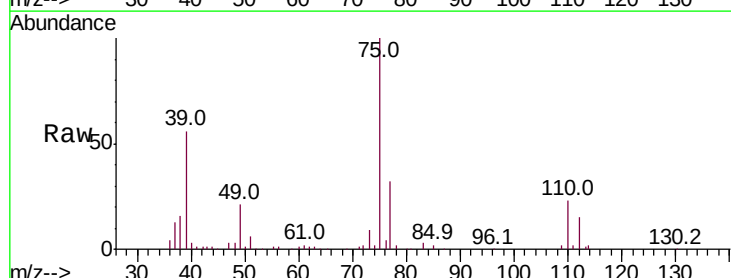
Tgt Ion: 75 Resp: 52987

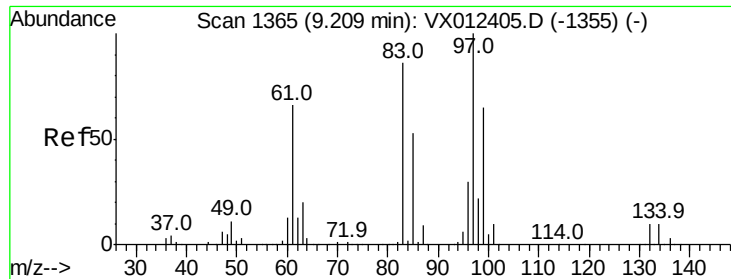
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 56.1 43.8 65.8





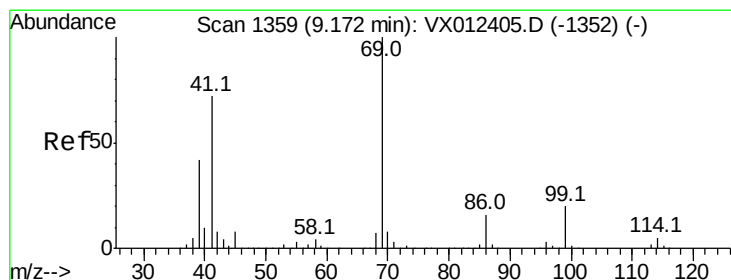
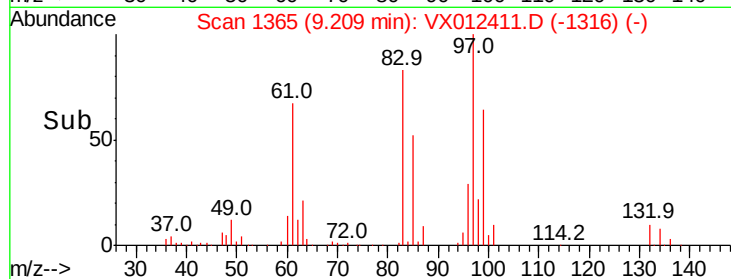
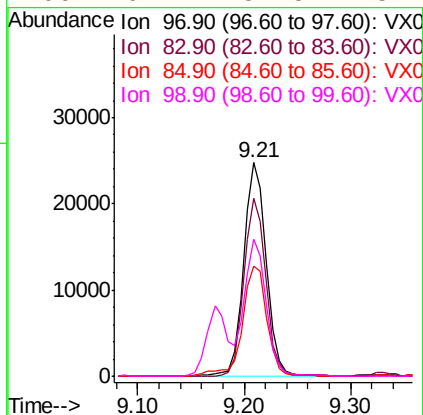
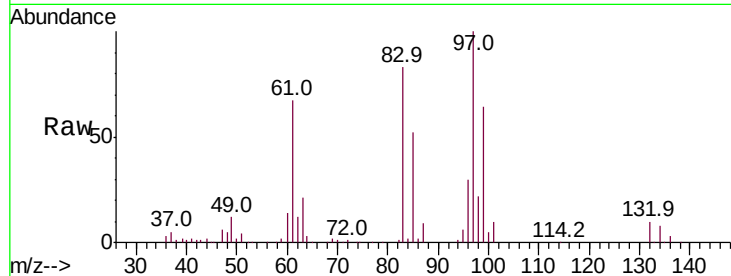
#55
 1,1,2-Trichloroethane
 Concen: 19.698 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.2	68.5	102.7	
85	51.8	42.6	64.0	
99	64.1	52.5	78.7	

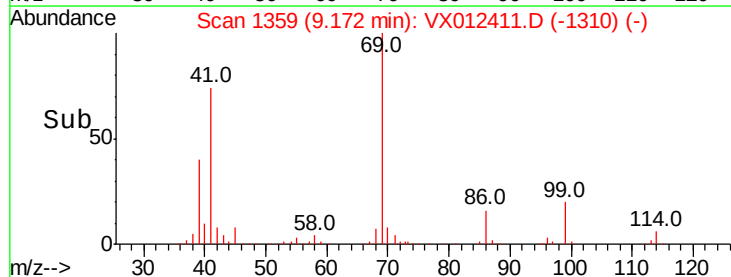
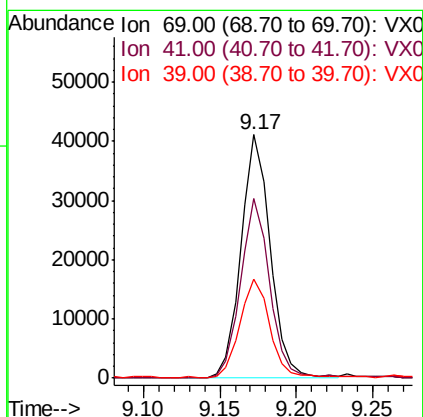
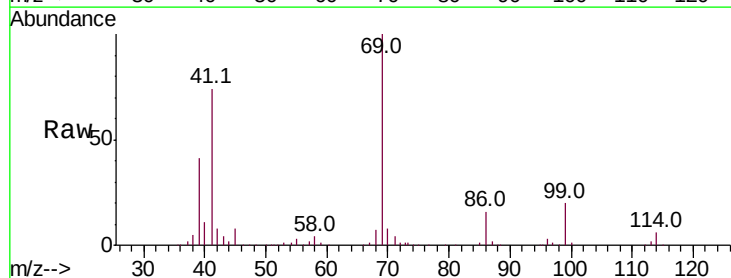
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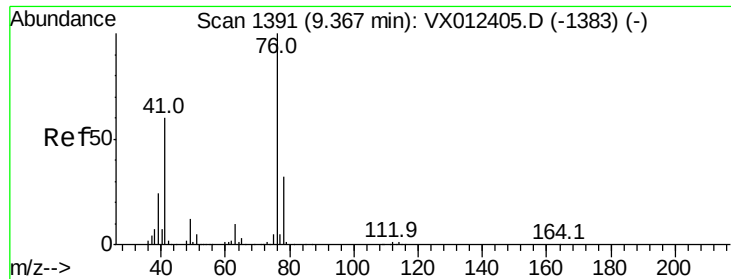
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#56
 Ethyl methacrylate
 Concen: 19.460 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	73.1	57.0	85.6	
39	40.6	32.6	49.0	





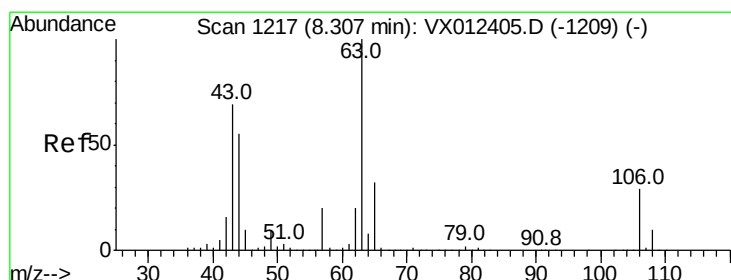
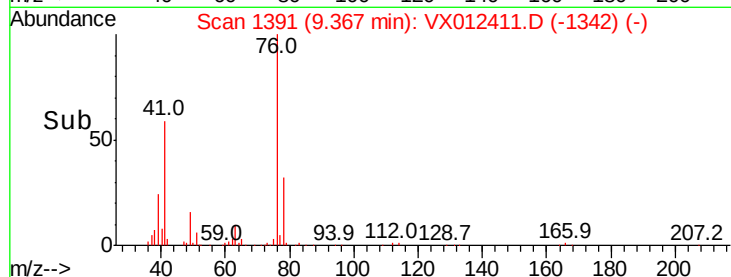
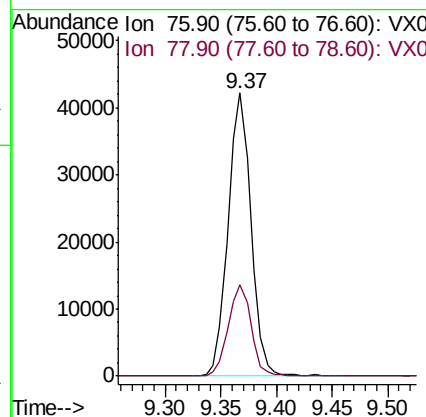
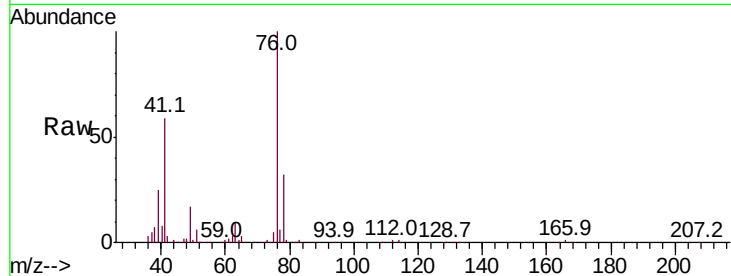
#57
 1,3-Dichloropropane
 Concen: 20.251 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

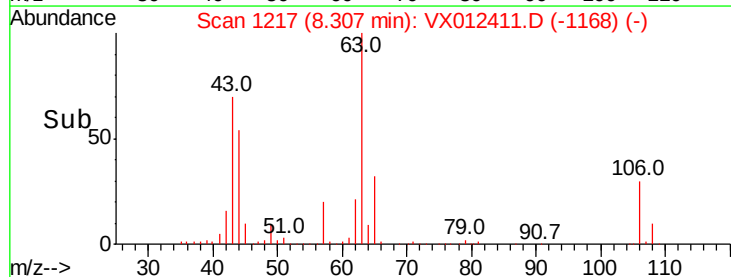
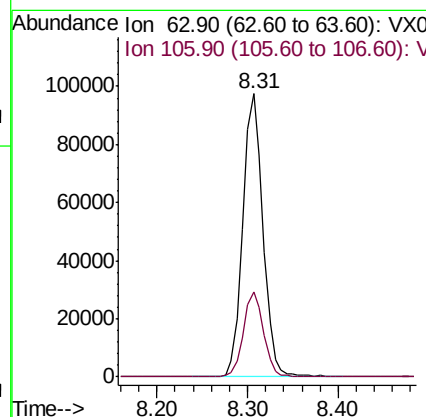
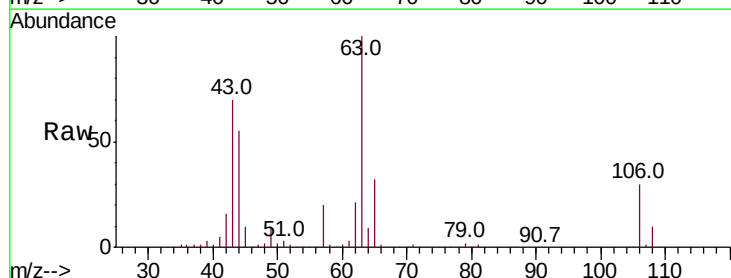
Manual Integrations
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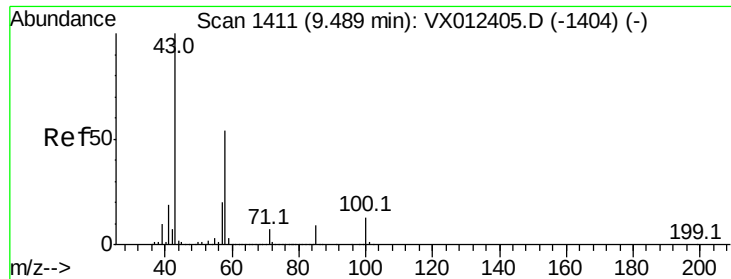
MMDadoda
 9/18/2019 11:19:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.019 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.8	35.8





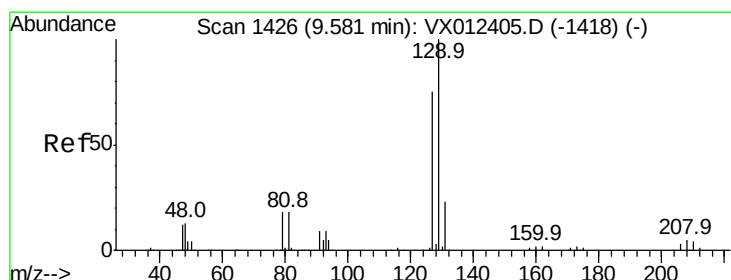
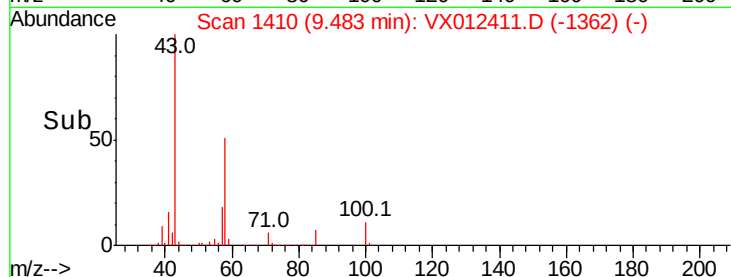
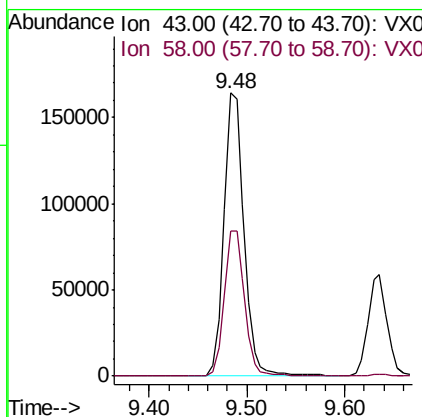
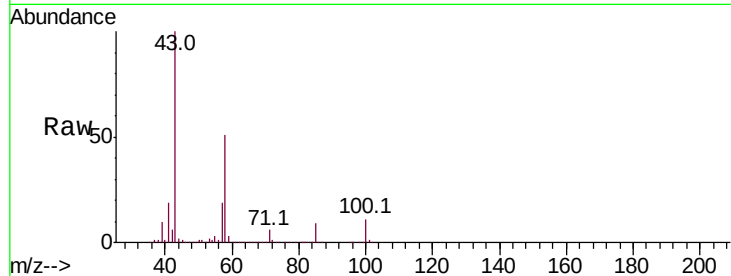
#59
2-Hexanone
Concen: 99.455 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion: 43 Resp: 233407
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0

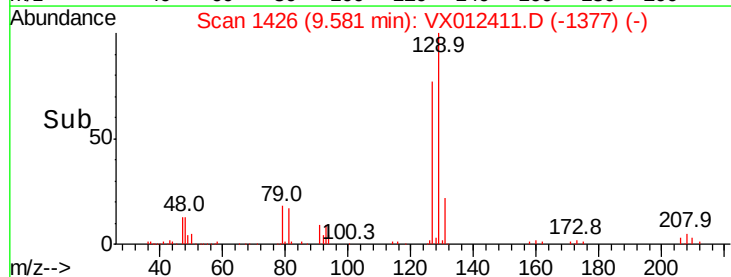
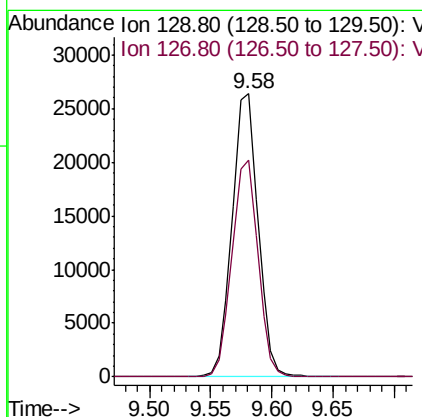
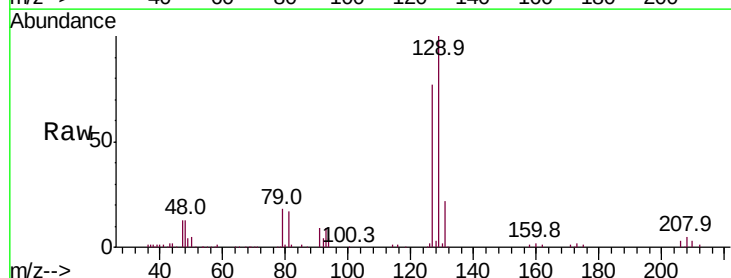
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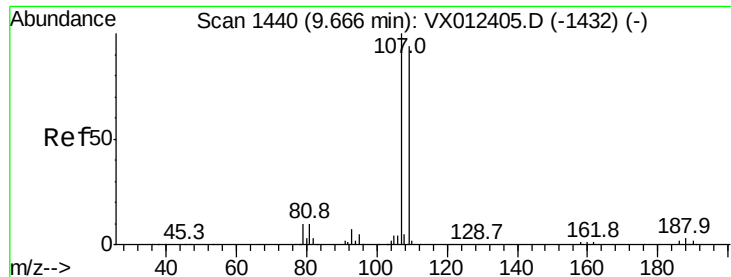
MMDadoda
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#60
Dibromochloromethane
Concen: 19.119 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion: 129 Resp: 38748
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.425 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion:107 Resp: 35217

Ion Ratio Lower Upper

107 100

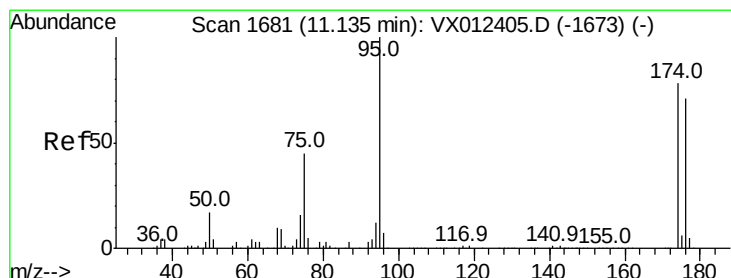
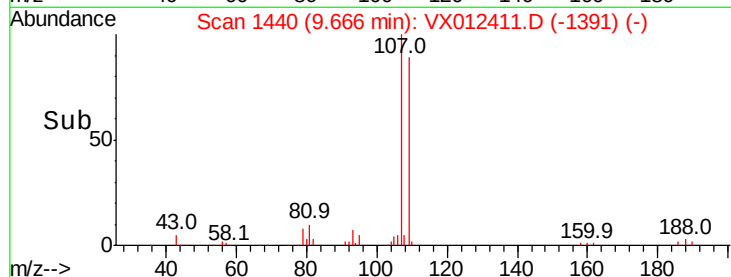
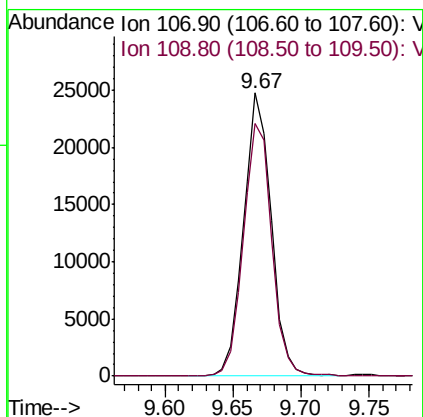
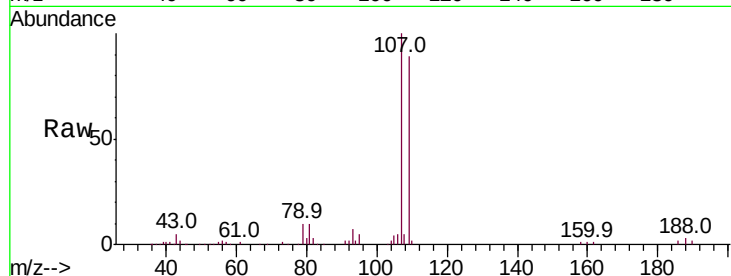
109 91.7 75.1 112.7

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#62

4-Bromofluorobenzene

Concen: 47.634 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

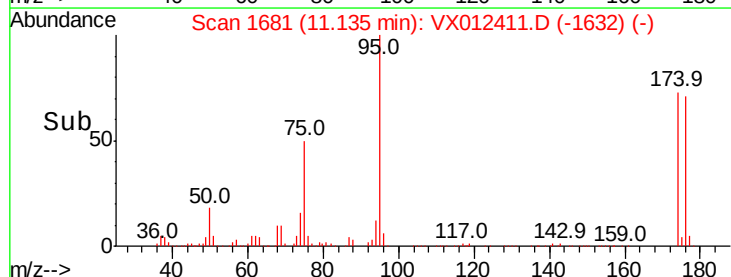
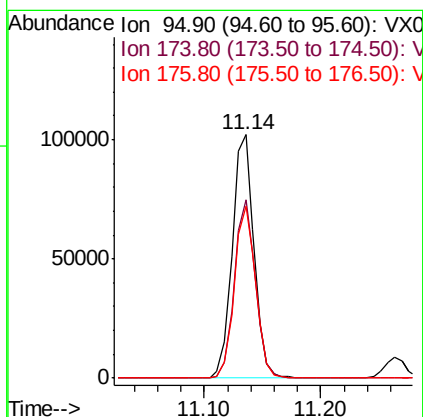
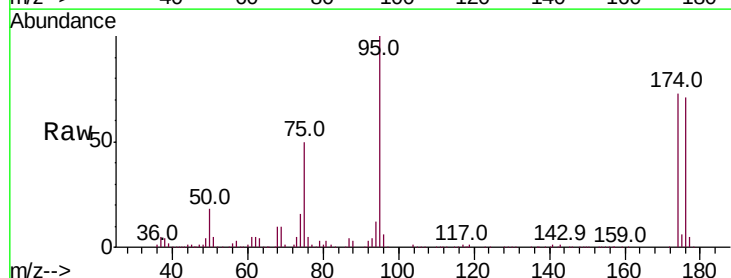
Tgt Ion: 95 Resp: 132576

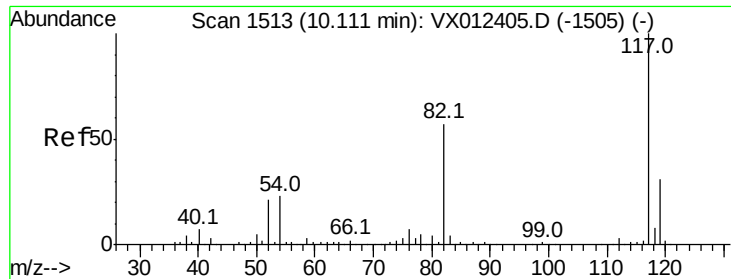
Ion Ratio Lower Upper

95 100

174 71.1 0.0 146.0

176 69.2 0.0 137.6





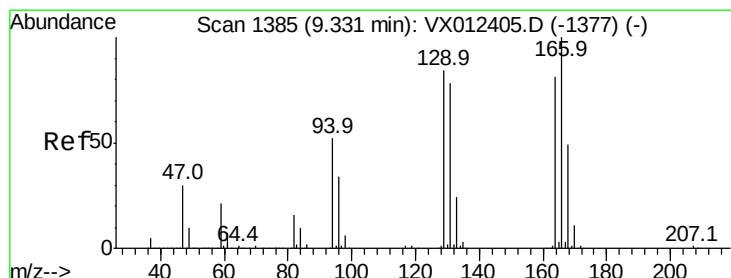
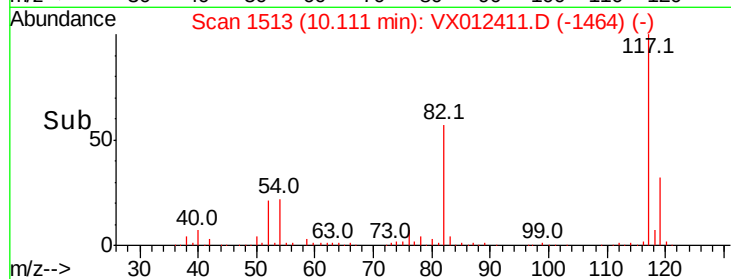
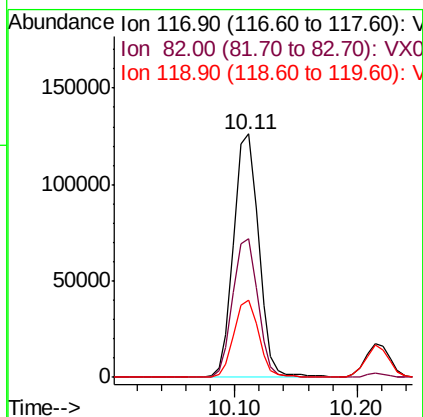
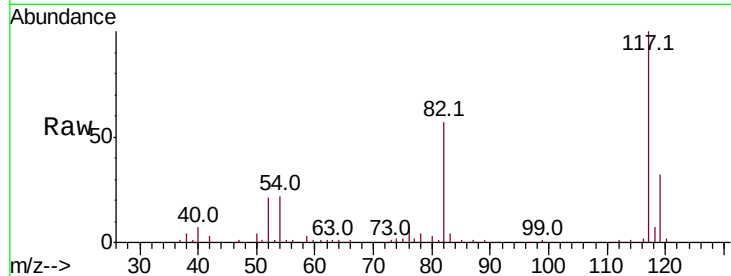
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	179559		
82	56.9	45.8	68.6	
119	32.0	24.9	37.3	

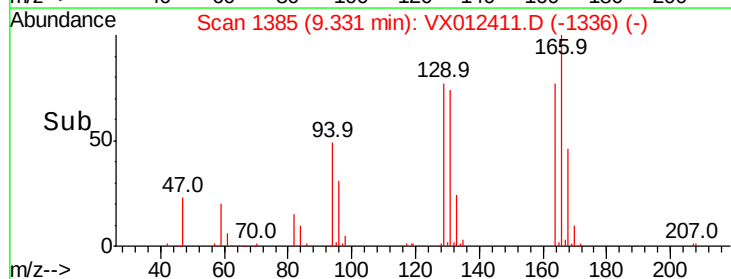
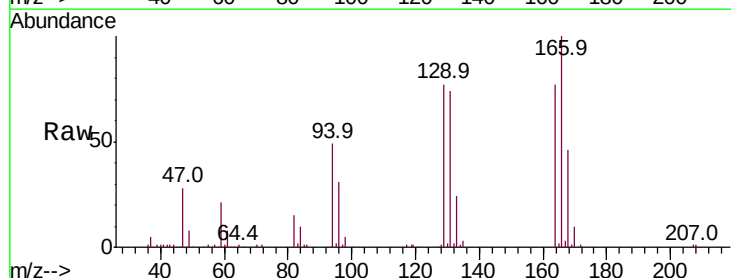
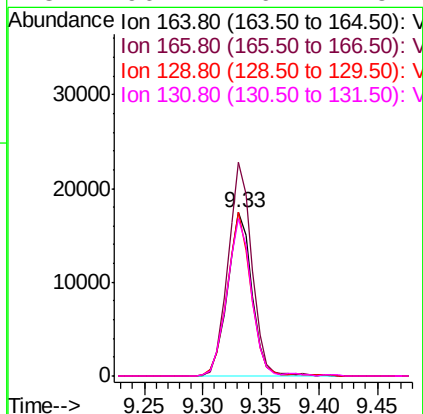
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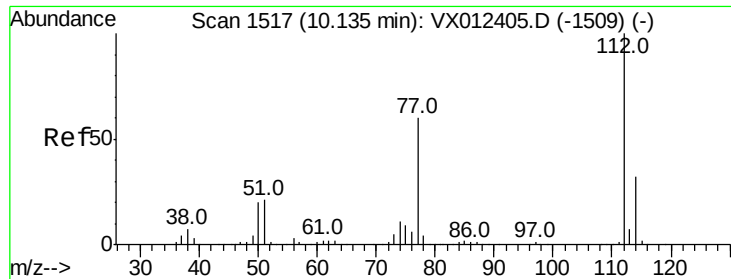
MMDadoda
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#64
Tetrachloroethene
Concen: 21.248 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	25299		
166	130.6	98.2	147.4	
129	100.5	82.6	123.8	
131	96.7	76.7	115.1	





#65

Chlorobenzene

Concen: 20.298 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampled :

VX0916WBSD01

Tot Ion:112 Resp: 85097

Ion Ratio Lower Upper

112 100

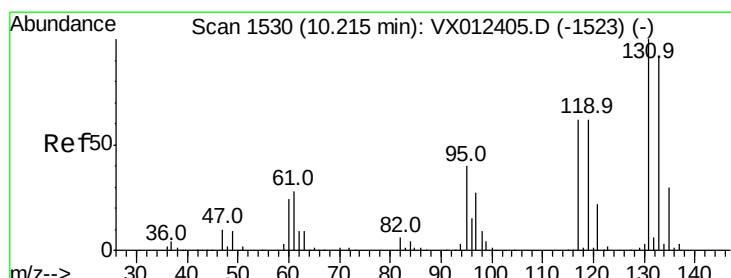
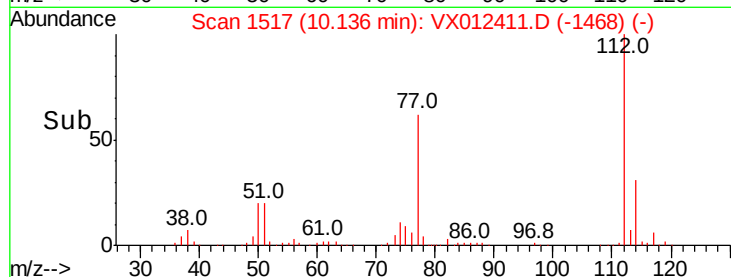
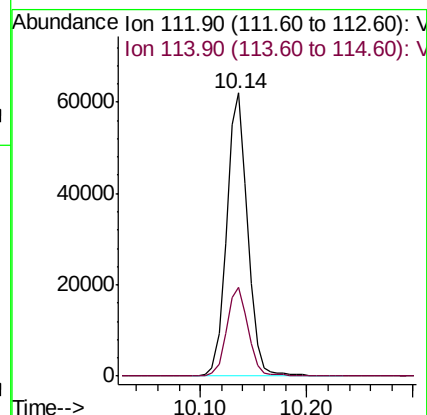
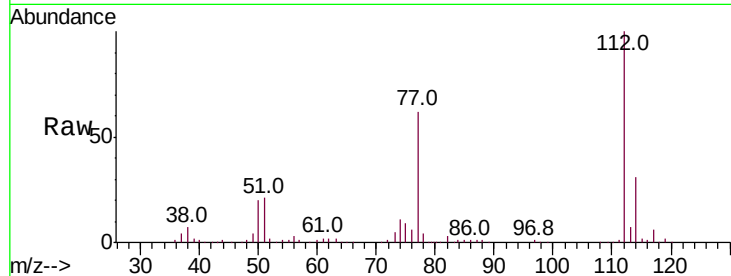
114 31.3 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.583 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

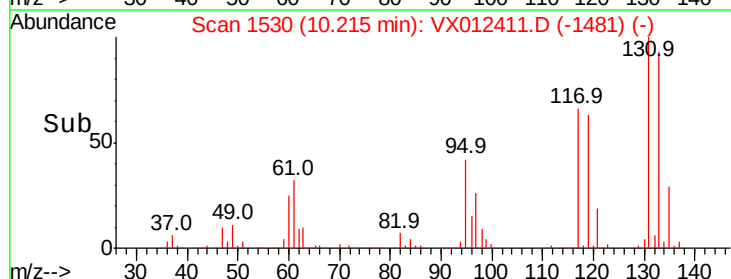
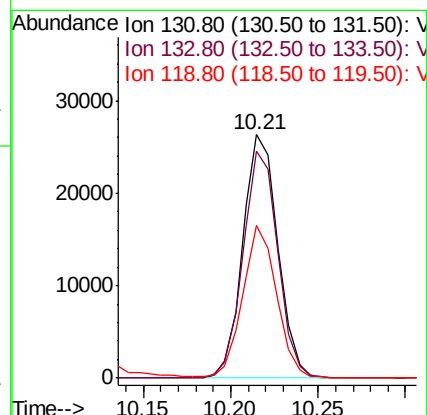
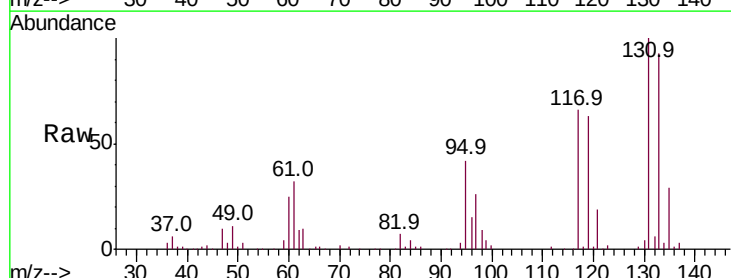
Tgt Ion:131 Resp: 36610

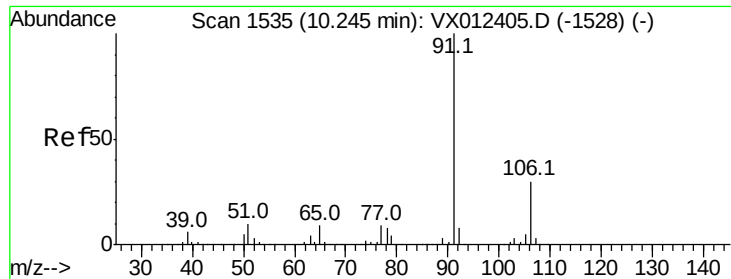
Ion Ratio Lower Upper

131 100

133 92.7 48.4 145.0

119 61.0 31.6 94.7





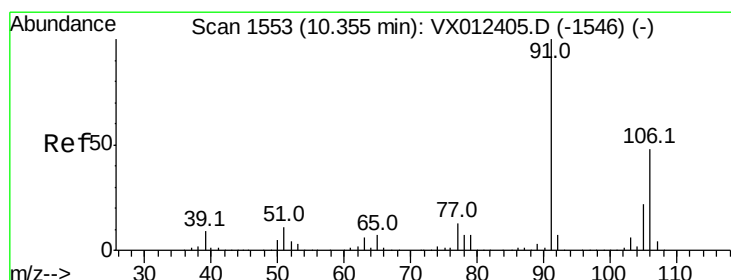
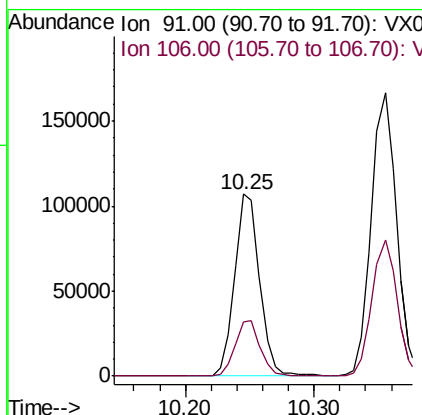
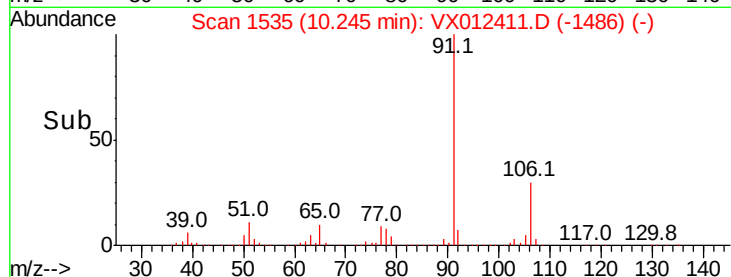
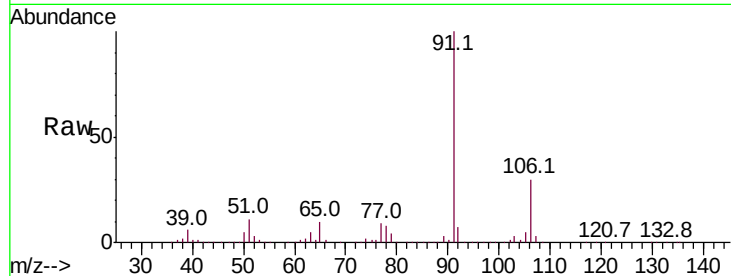
#67
Ethyl Benzene
Concen: 20.344 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampled :
VX0916WBSD01

Tot Ion: 91 Resp: 145552
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0

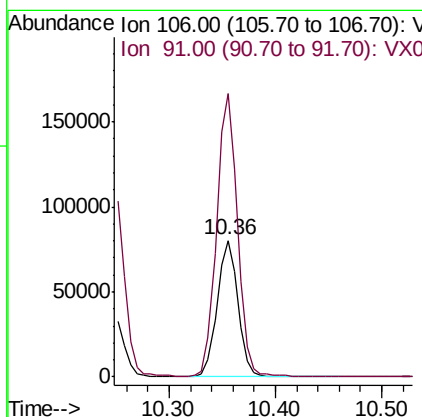
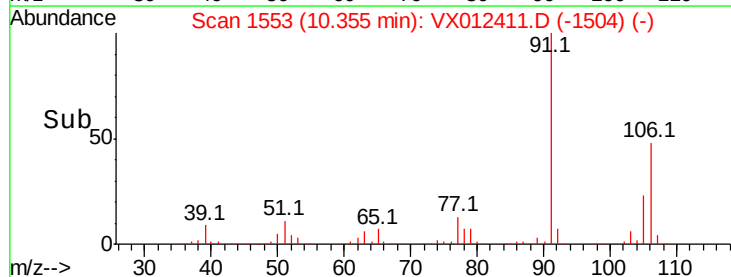
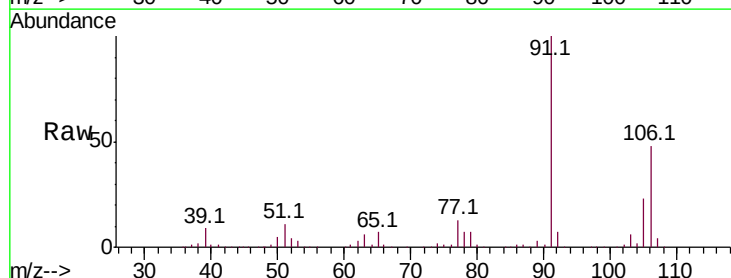
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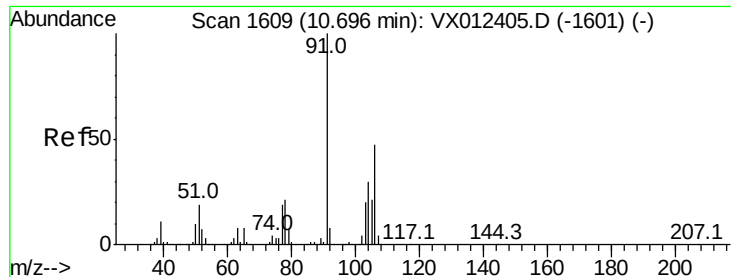
MMDadoda
9/18/2019 11:19:15 AM



#68
m/p-Xylenes
Concen: 41.281 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion: 106 Resp: 109019
Ion Ratio Lower Upper
106 100
91 206.4 167.4 251.0





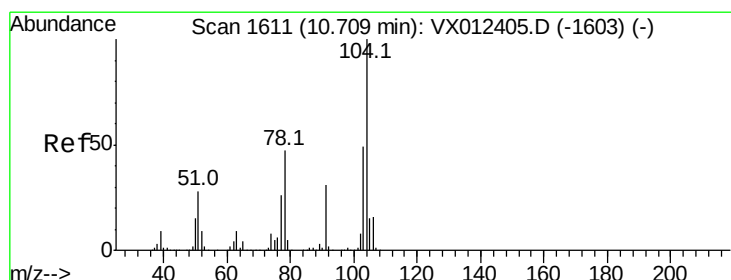
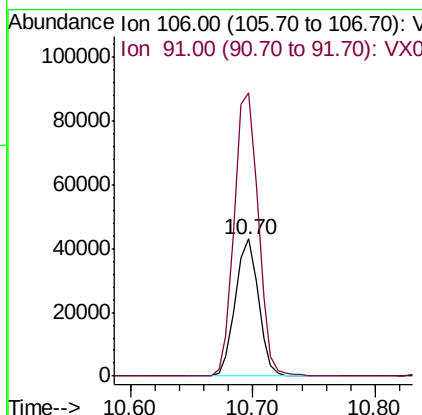
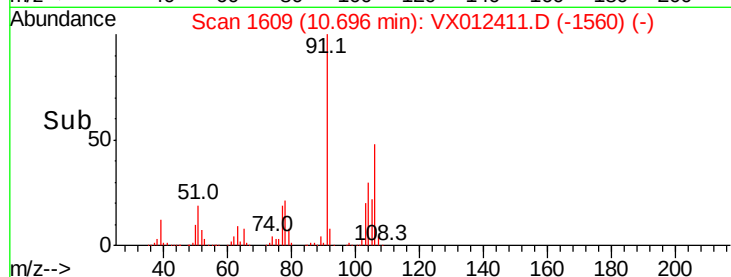
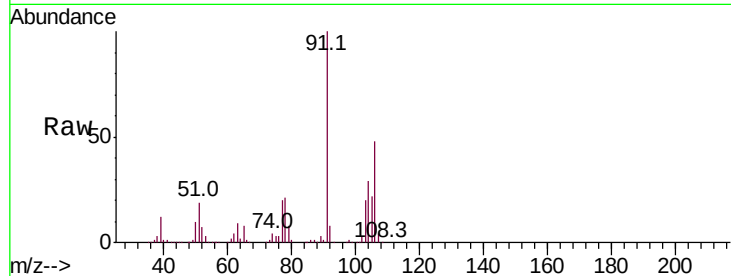
#69
o-Xylene
Concen: 20.518 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampled :
VX0916WBSD01

Tot Ion:106 Resp: 56192
Ion Ratio Lower Upper
106 100
91 214.2 107.8 323.6

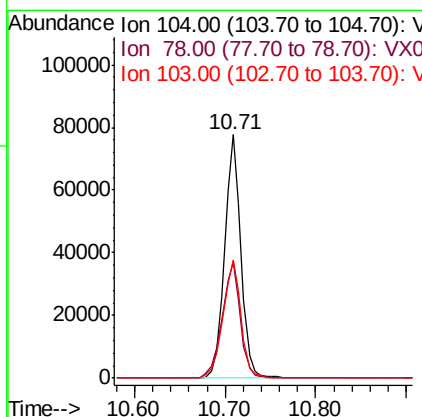
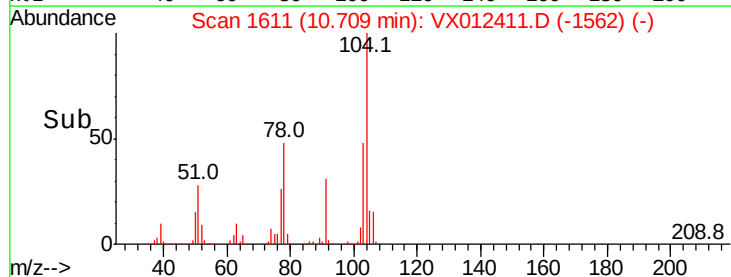
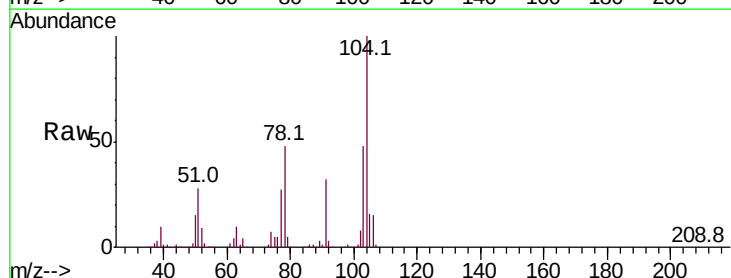
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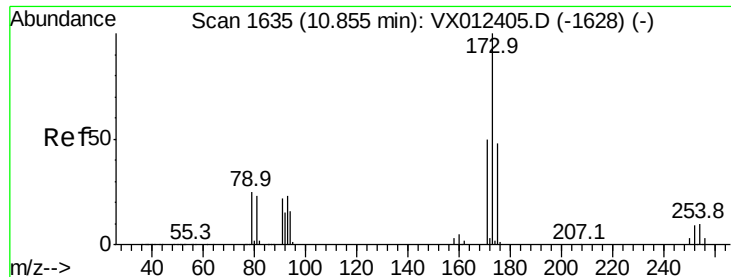
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#70
Styrene
Concen: 20.645 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion:104 Resp: 98100
Ion Ratio Lower Upper
104 100
78 53.4 42.3 63.5
103 53.5 42.9 64.3





#71

Bromoform

Concen: 18.990 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBSD01

Tot Ion:173 Resp: 27458

Ion Ratio Lower Upper

173 100

175 48.1 24.3 73.0

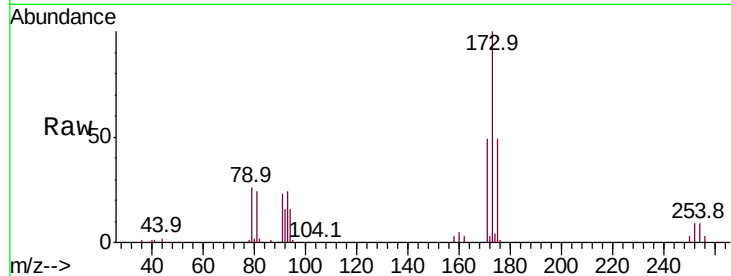
254 0.0 0.1 0.1#

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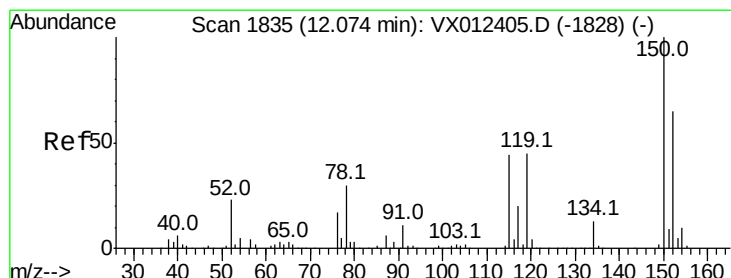
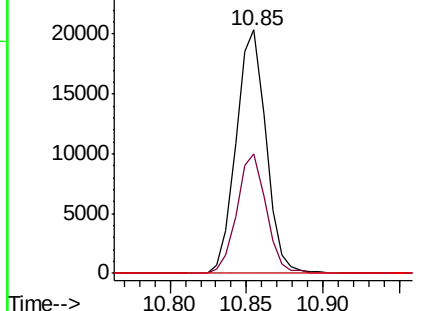
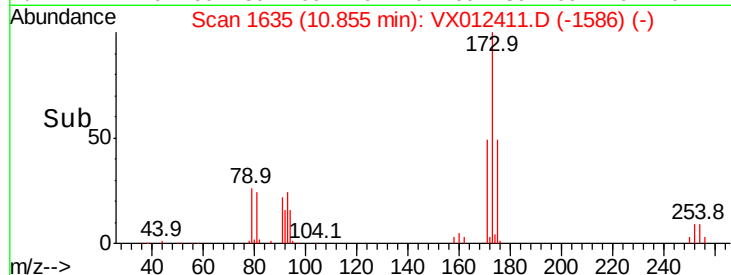
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

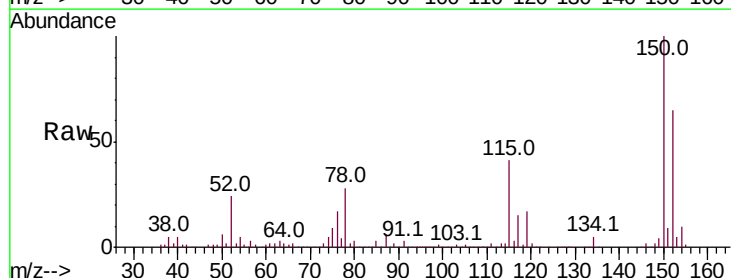
Tgt Ion:152 Resp: 106116

Ion Ratio Lower Upper

152 100

115 72.9 45.3 135.9

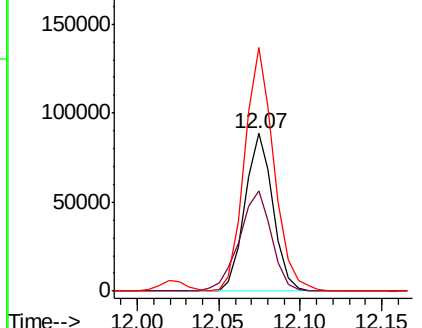
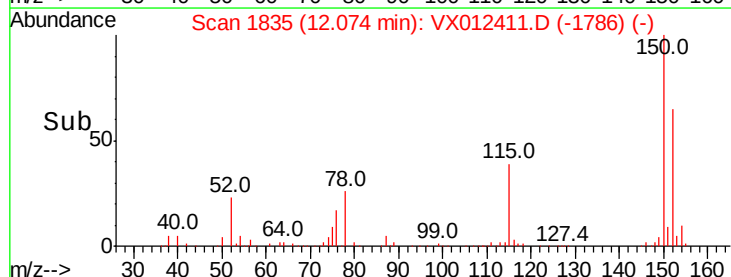
150 161.5 0.0 354.0

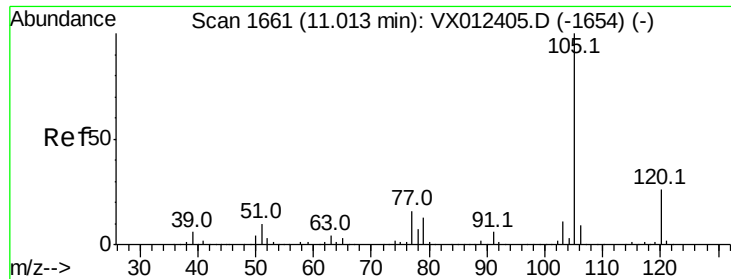


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





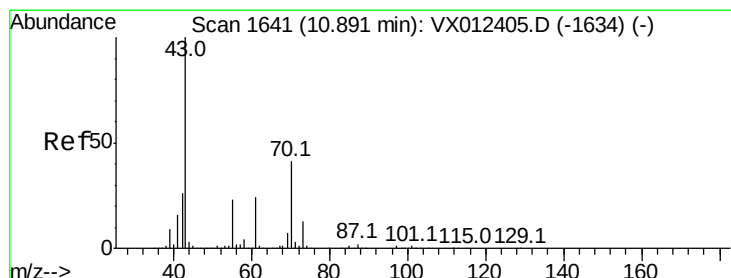
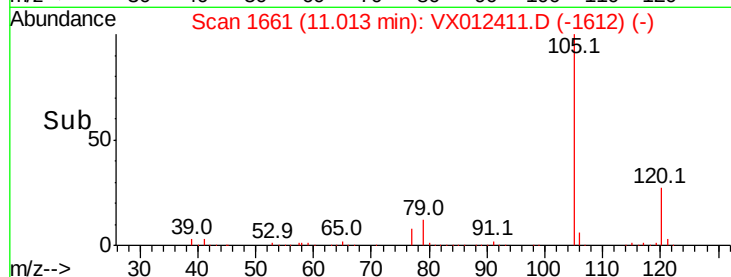
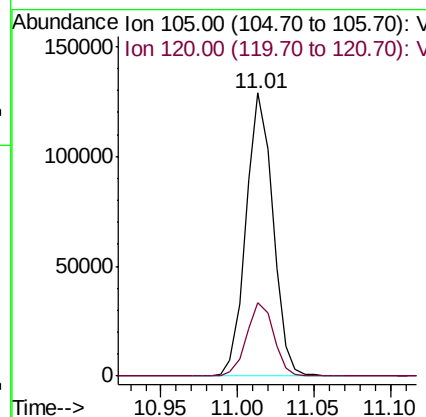
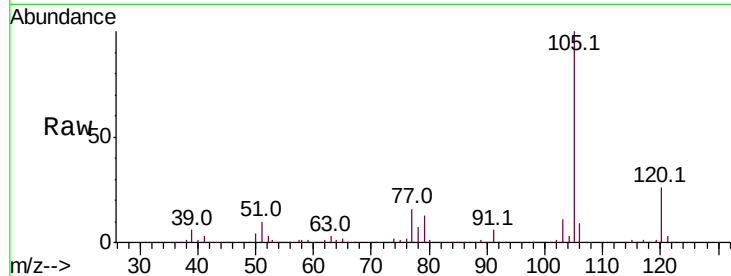
#73
Isopropylbenzene
Concen: 21.353 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	157425		
120	26.1	13.2	39.6	

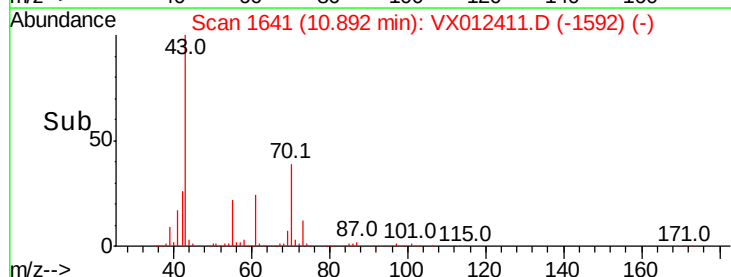
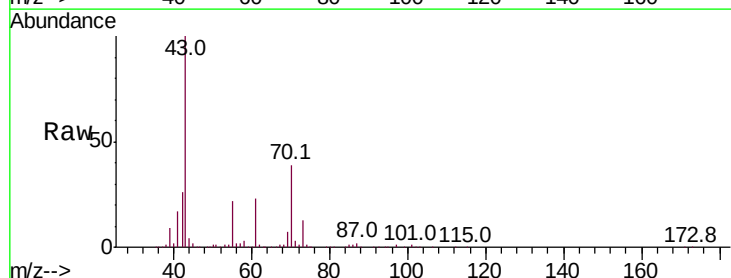
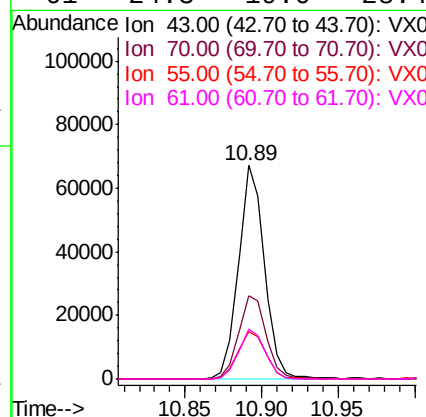
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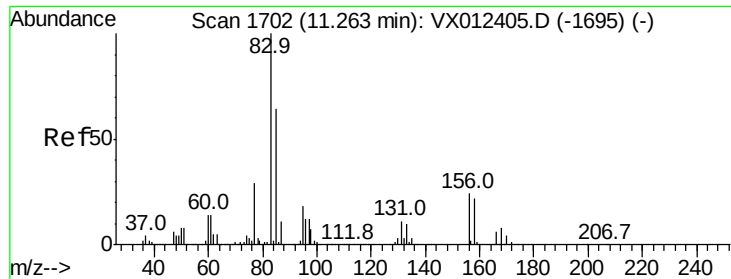
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#74
N-ethyl acetate
Concen: 20.212 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	78989		
70	41.7	32.7	49.1	
55	24.1	18.9	28.3	
61	24.3	19.0	28.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.801 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

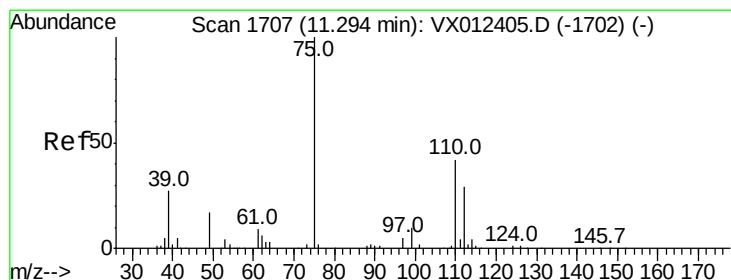
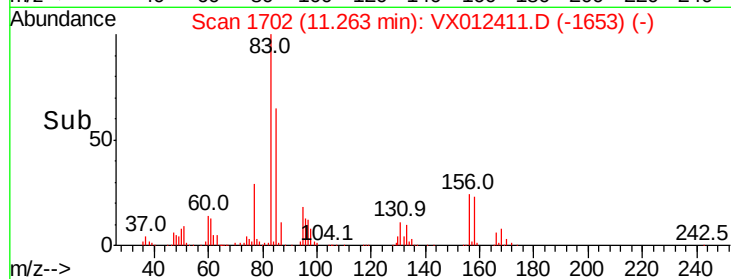
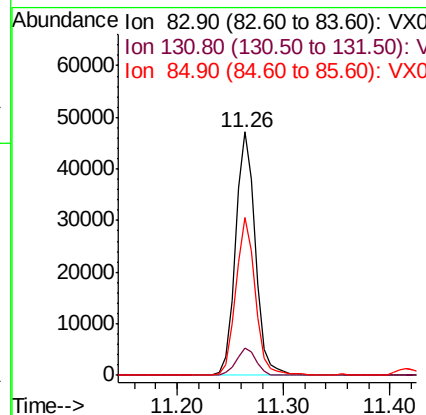
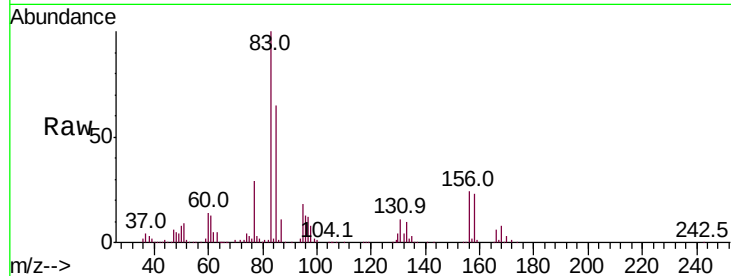
ClientSampleId :

VX0916WBSD01

Tot Ion:	83	Resp:	61494
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	63.9	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 21.483 ug/l m

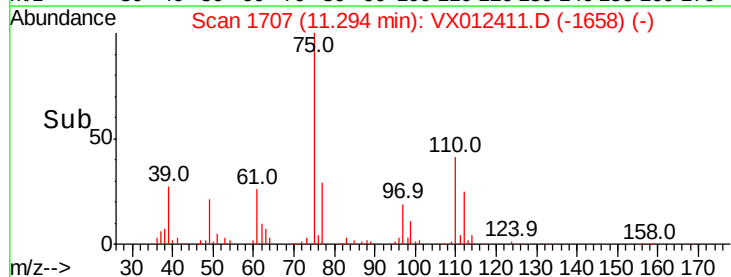
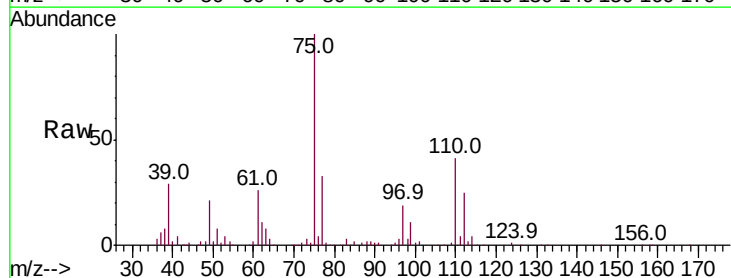
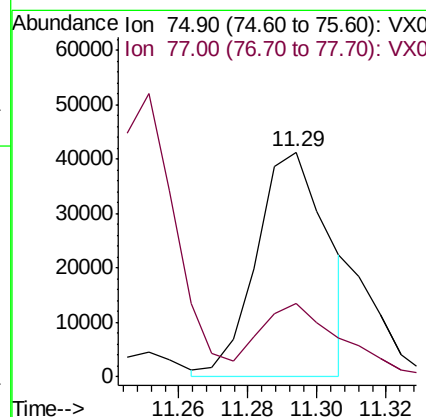
RT: 11.29 min Scan# 1707

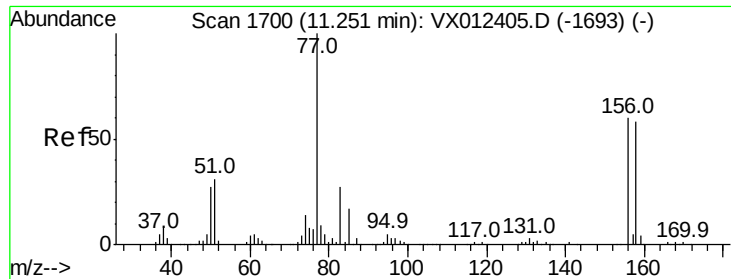
Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Tgt Ion:	75	Resp:	58932
Ion Ratio	Lower	Upper	
75	100		
77	37.8	19.4	58.2





#77

Bromobenzene

Concen: 20.449 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

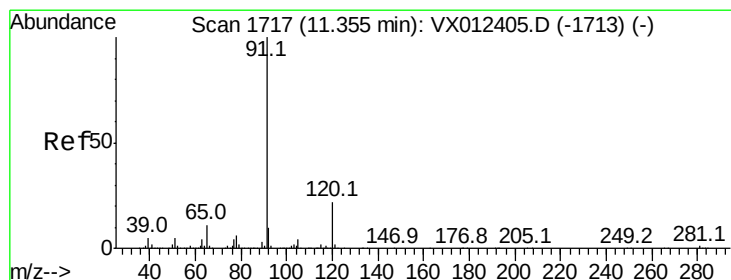
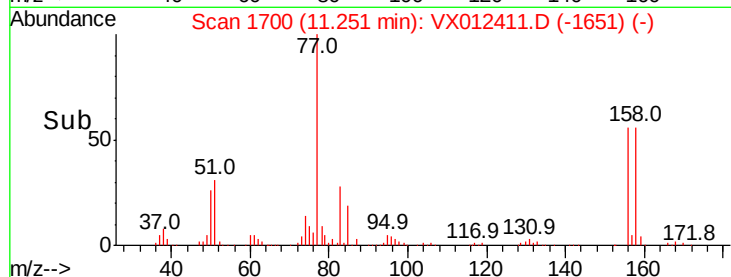
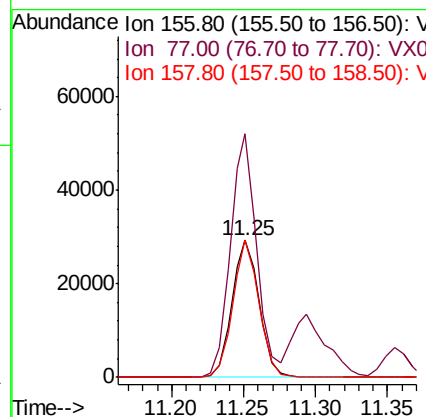
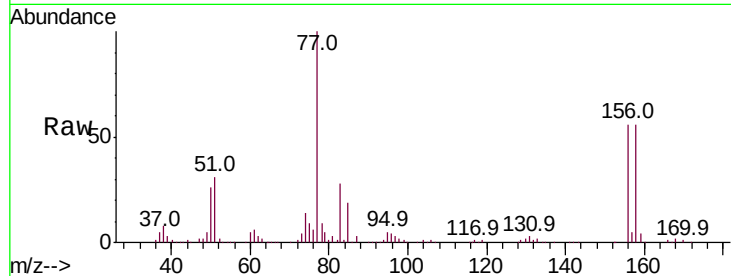
ClientSampled :

VX0916WBSD01

Tot Ion:	156	Resp:	38818
Ion	Ratio	Lower	Upper
156	100		
77	171.9	84.8	254.3
158	96.0	47.9	143.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.907 ug/l

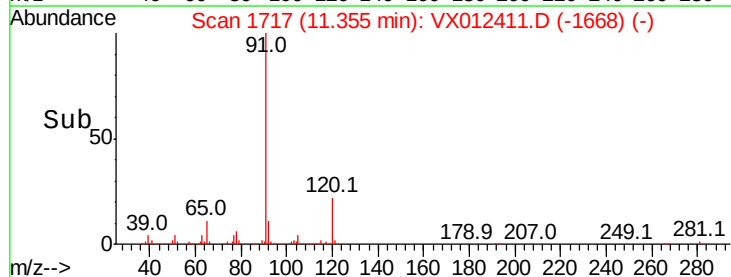
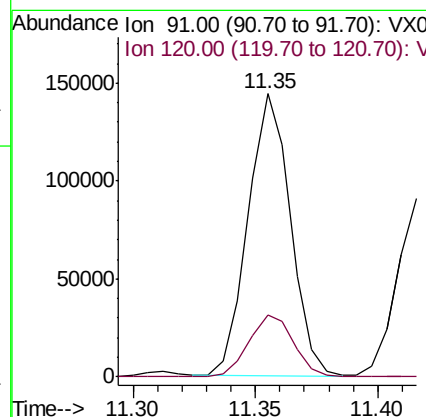
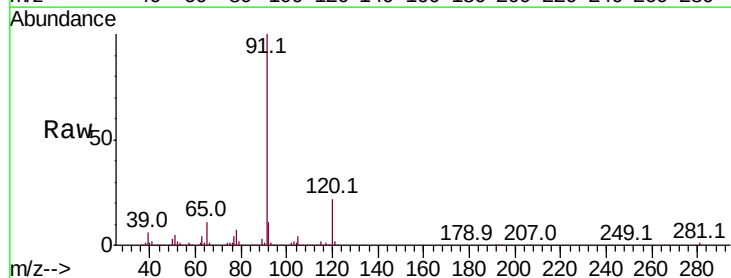
RT: 11.35 min Scan# 1717

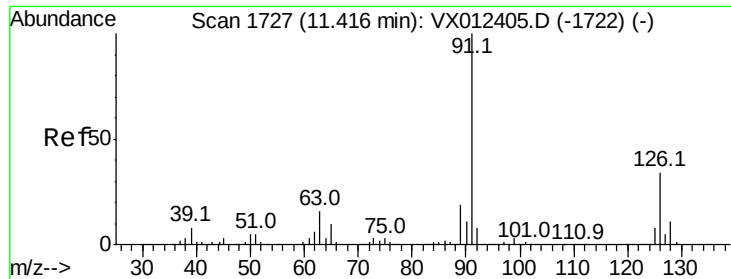
Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Tgt Ion:	91	Resp:	174192
Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.4





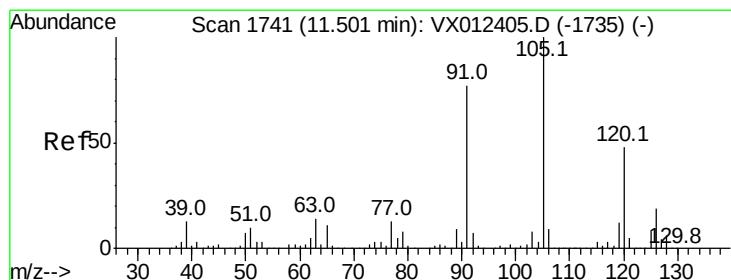
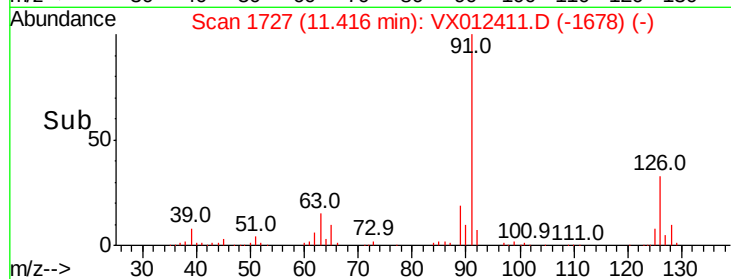
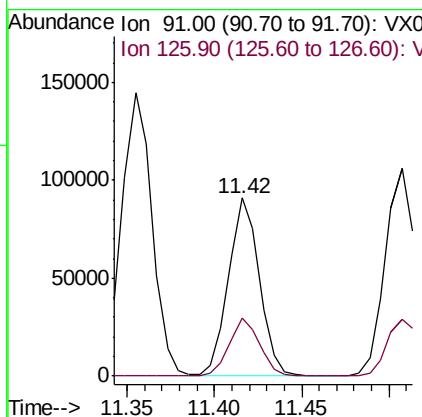
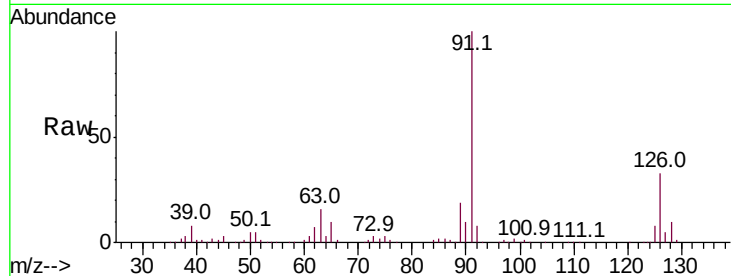
#79
2-Chlorotoluene
Concen: 20.795 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion: 91 Resp: 111228
Ion Ratio Lower Upper
91 100
126 32.4 16.4 49.2

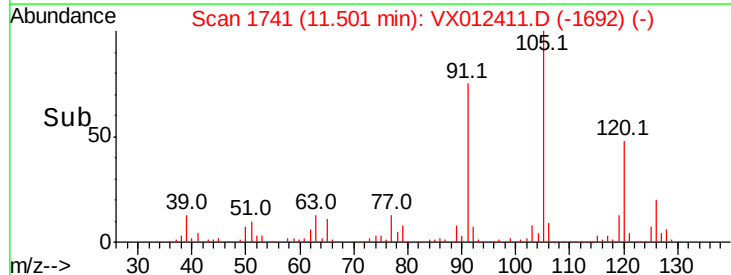
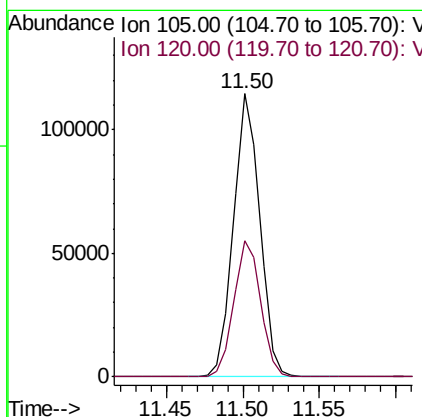
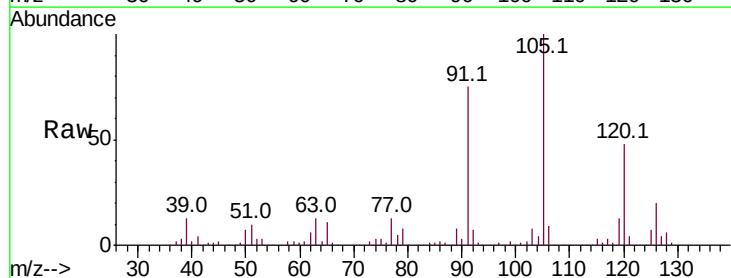
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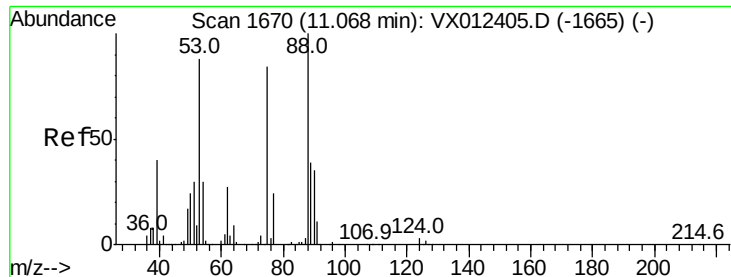
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.166 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion: 105 Resp: 135878
Ion Ratio Lower Upper
105 100
120 49.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.356 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

ClientSampled :

VX0916WBSD01

Tot Ion: 75 Resp: 18809

Ion Ratio Lower Upper

75 100

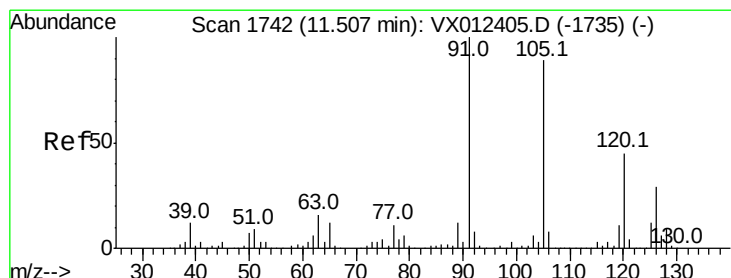
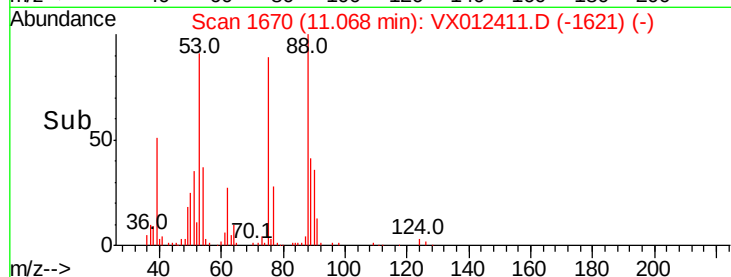
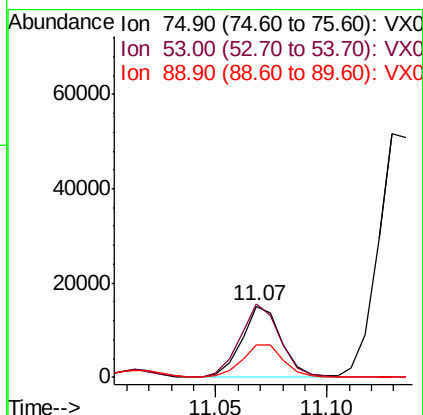
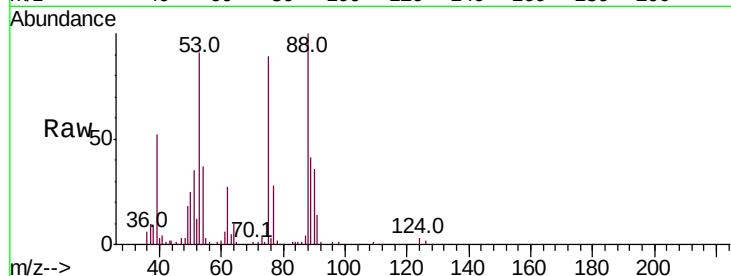
53 102.7 84.6 127.0

89 48.2 38.8 58.2

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#82

4-Chlorotoluene

Concen: 21.004 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012411.D

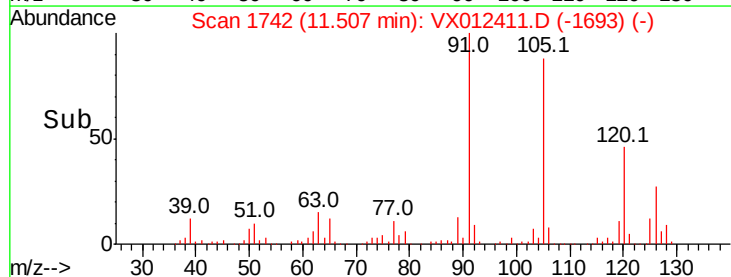
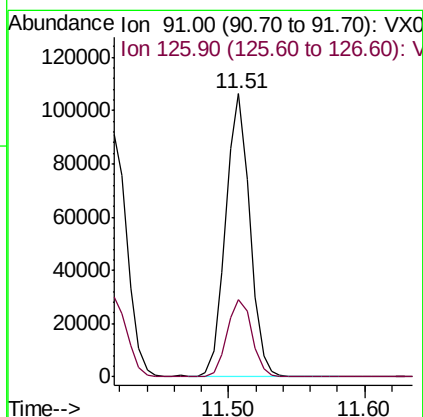
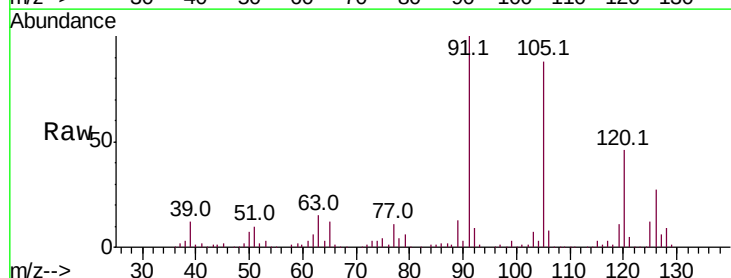
Acq: 16 Sep 2019 17:32

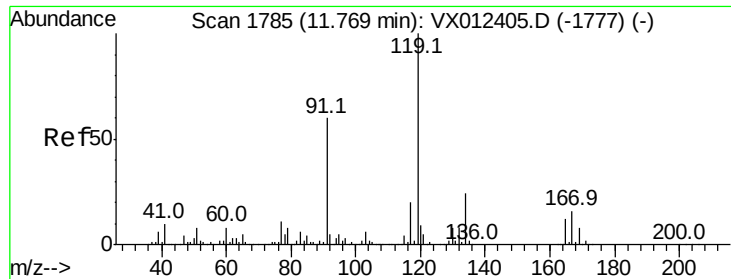
Tgt Ion: 91 Resp: 131012

Ion Ratio Lower Upper

91 100

126 28.4 14.1 42.3





#83

tert-Butylbenzene

Concen: 21.142 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

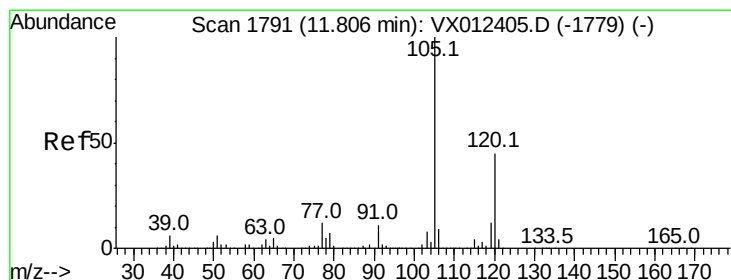
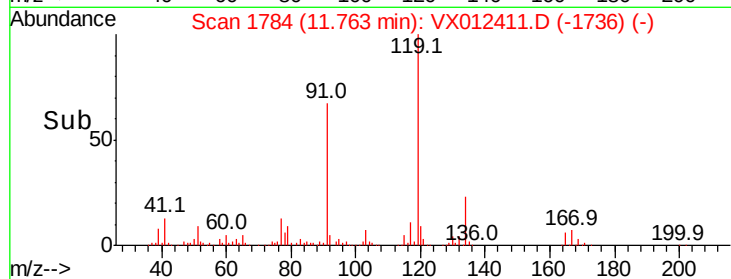
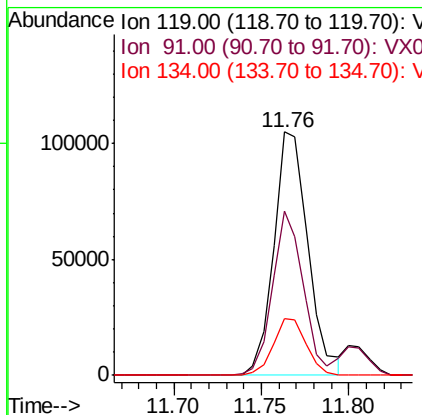
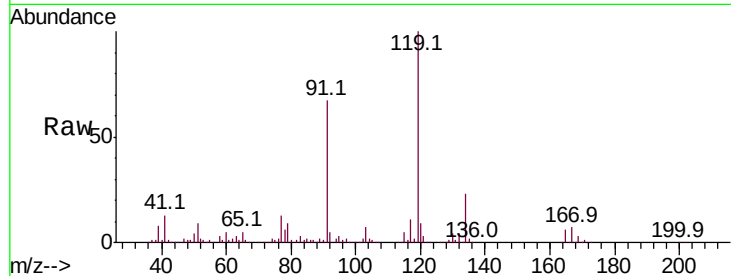
ClientSampleId :

VX0916WBSD01

Tot Ion:	119	Resp:	143962
Ion Ratio	Lower	Upper	
119	100		
91	60.3	29.6	88.8
134	22.6	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.288 ug/l

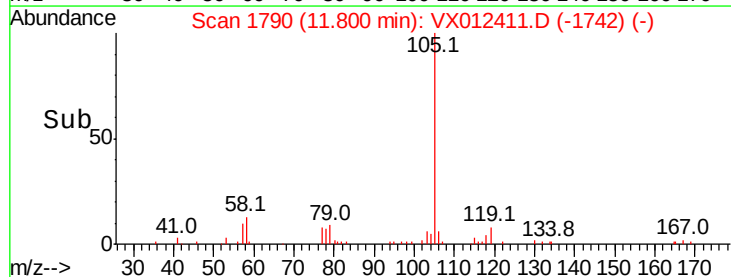
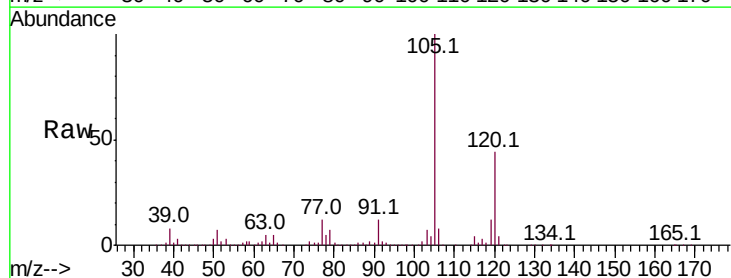
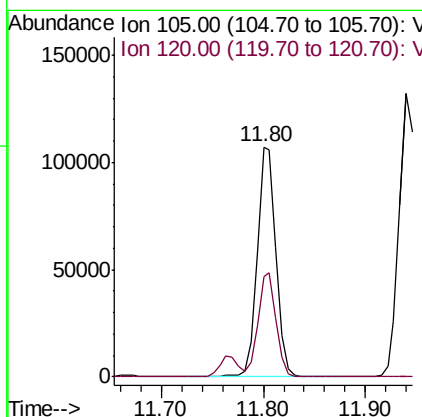
RT: 11.80 min Scan# 1790

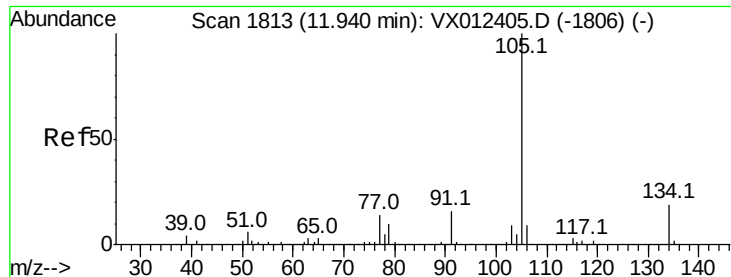
Delta R.T. -0.01 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Tgt Ion:	105	Resp:	138669
Ion Ratio	Lower	Upper	
105	100		
120	43.7	22.1	66.5





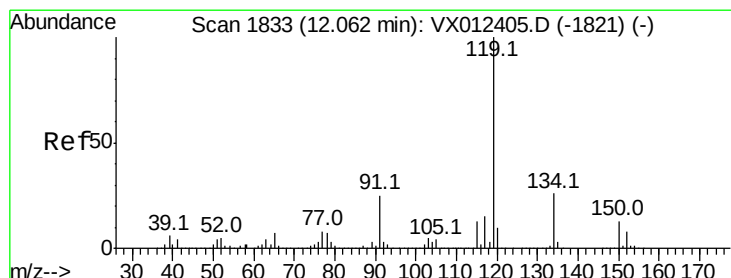
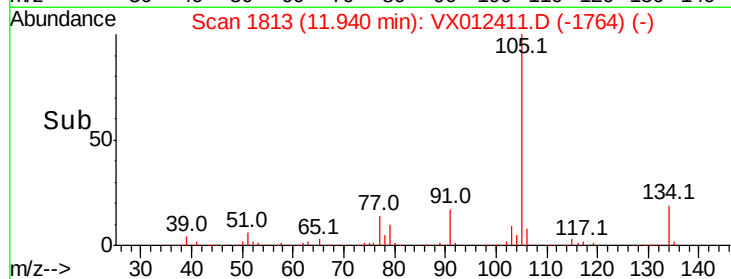
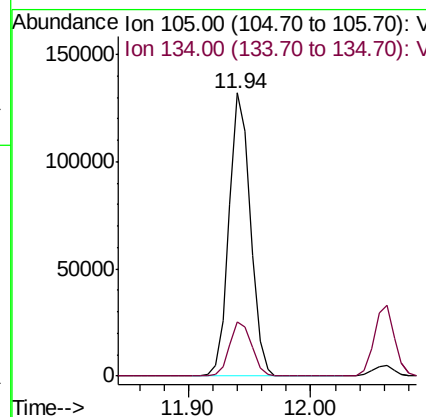
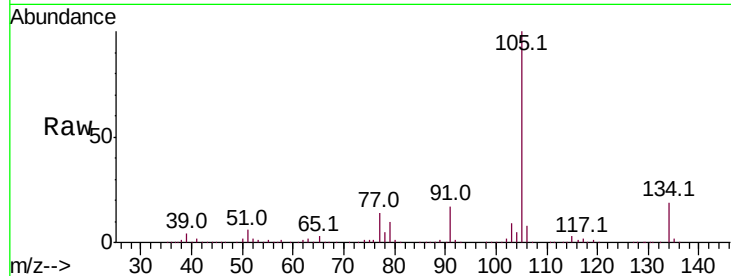
#85
 sec-Butylbenzene
 Concen: 21.163 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1

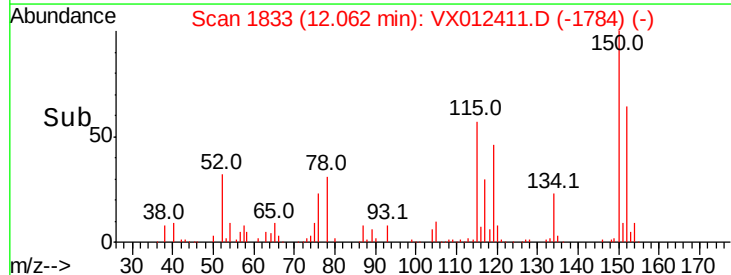
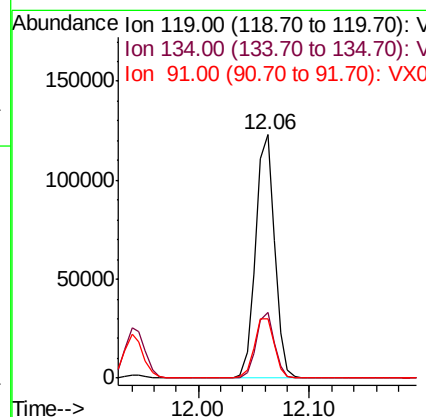
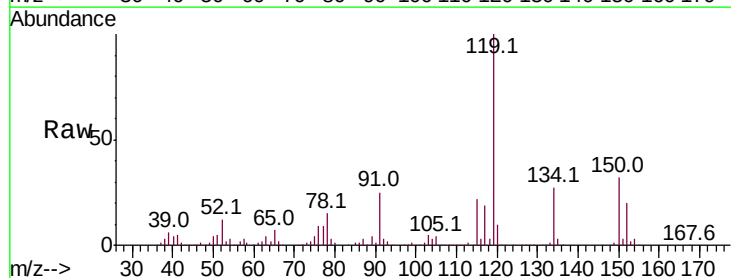
Manual Integrations
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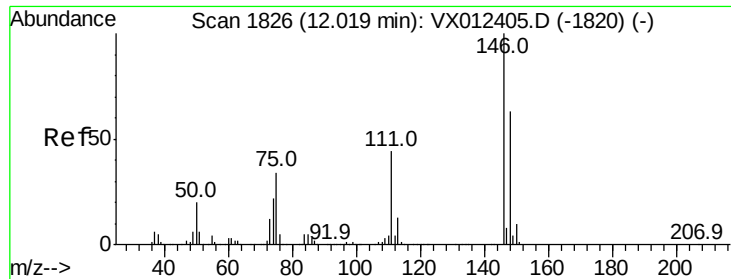
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.247 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.7	12.9	38.6





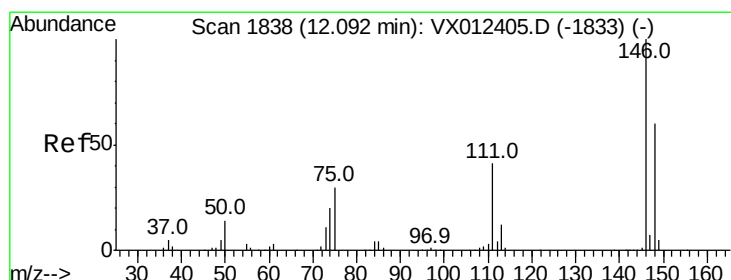
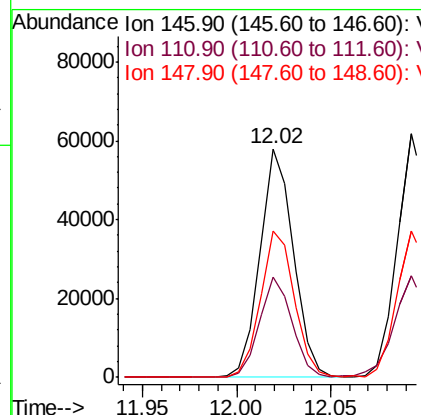
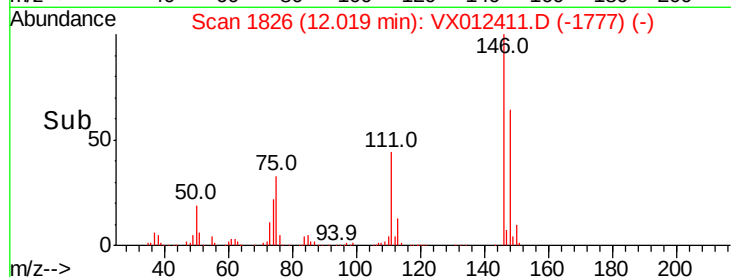
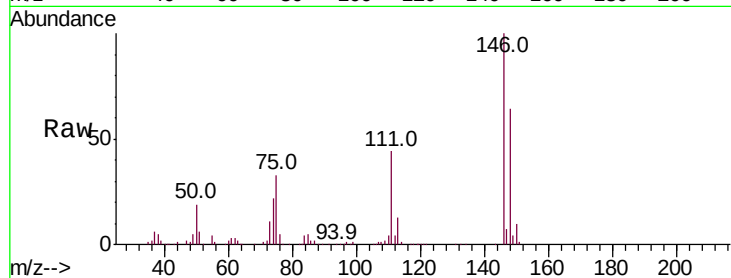
#87
 1,3-Dichlorobenzene
 Concen: 20.057 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	64.7	31.6	94.8

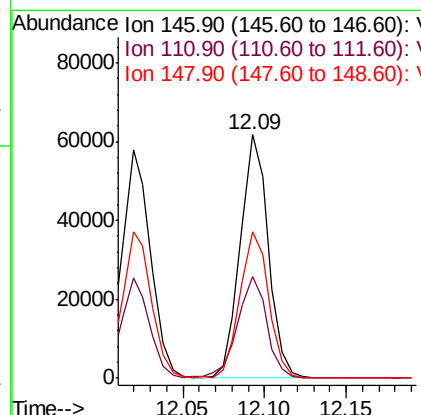
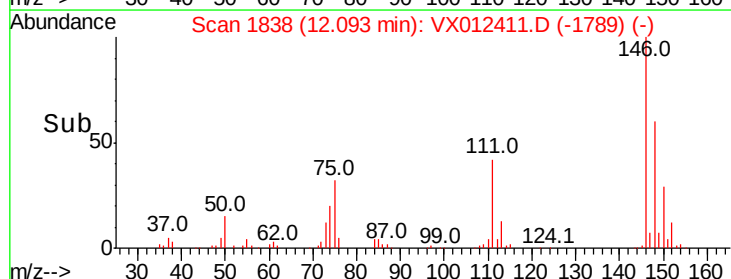
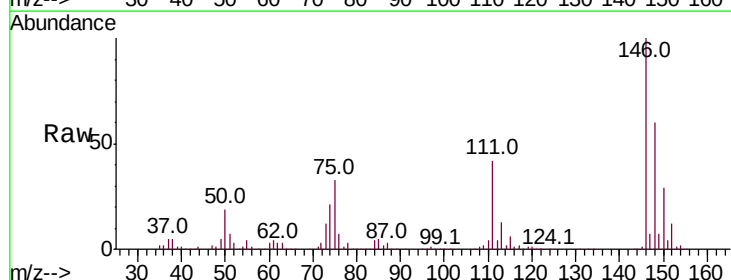
Manual Integrations
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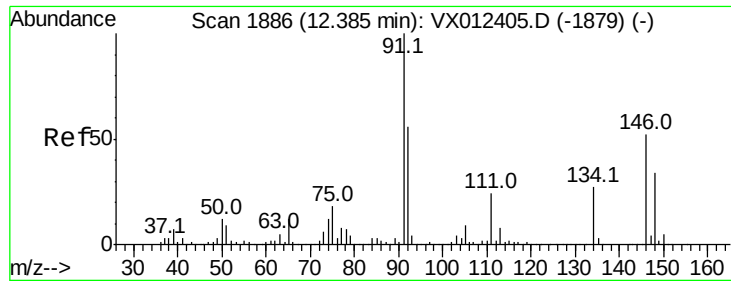
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#88
 1,4-Dichlorobenzene
 Concen: 20.590 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.6	61.9
148	61.9	31.6	94.8





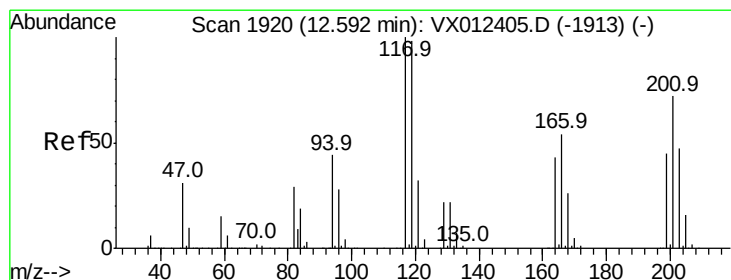
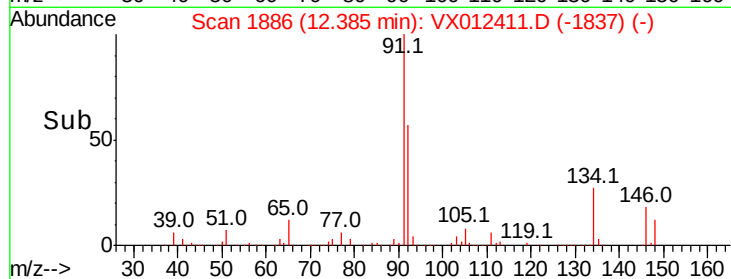
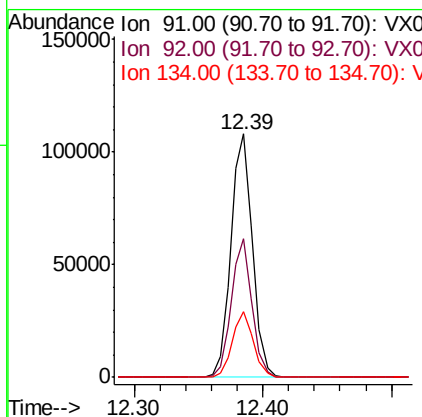
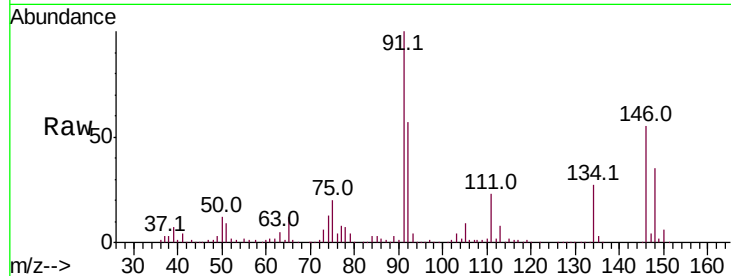
#89
n-Butylbenzene
Concen: 20.788 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	126619		
92	54.6		27.5	82.4
134	26.2		13.2	39.6

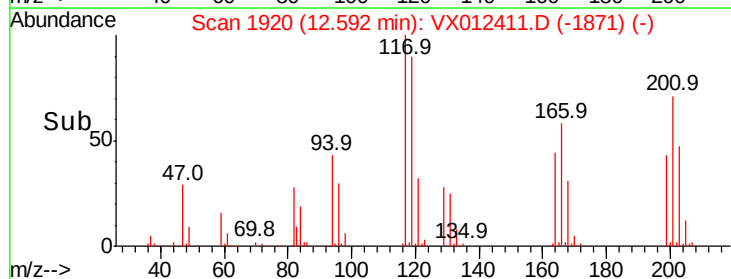
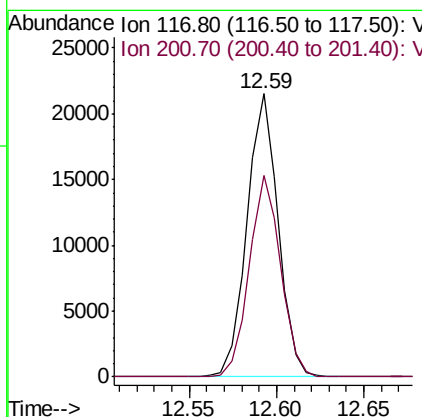
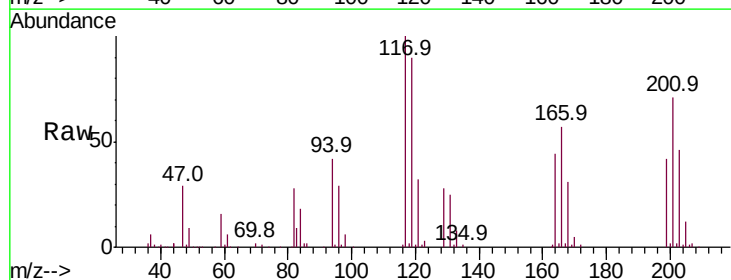
Manual Integrations
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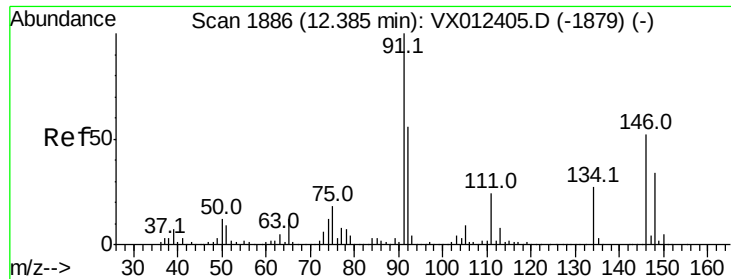
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#90
Hexachloroethane
Concen: 19.913 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	26551		
201	71.6		35.2	105.6





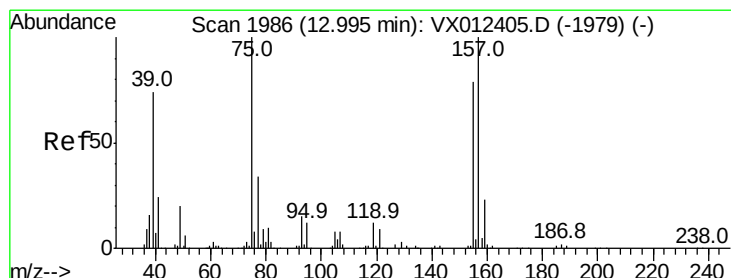
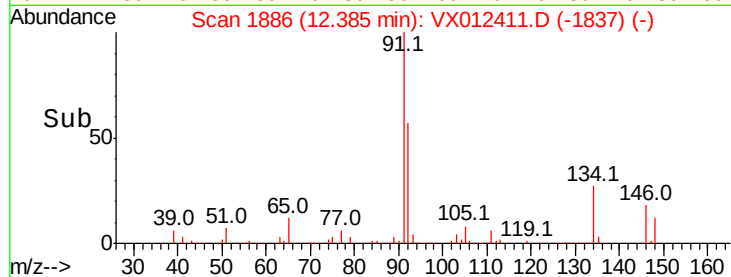
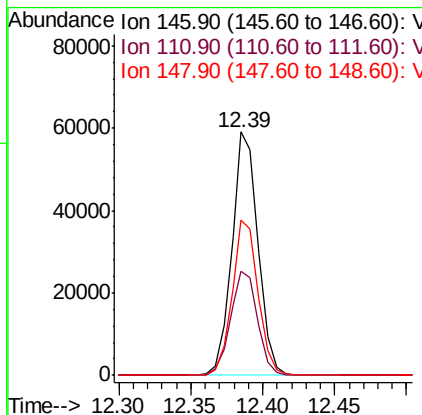
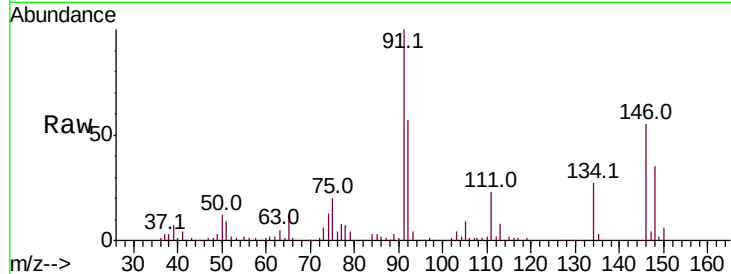
#91
 1,2-Dichlorobenzene
 Concen: 20.528 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.3	66.9
148	63.5	32.0	96.0

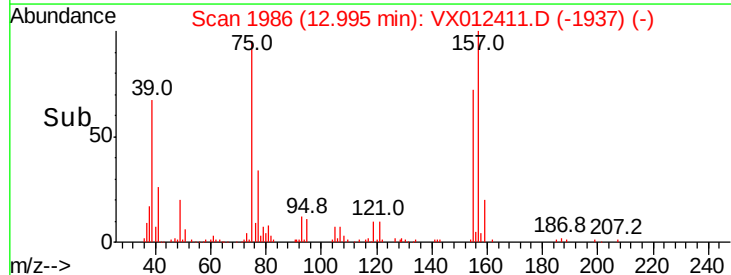
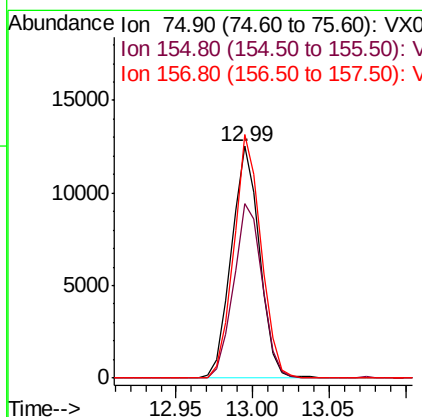
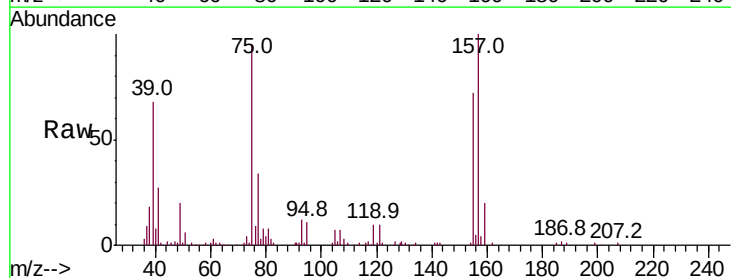
Manual Integrations
 APPROVED

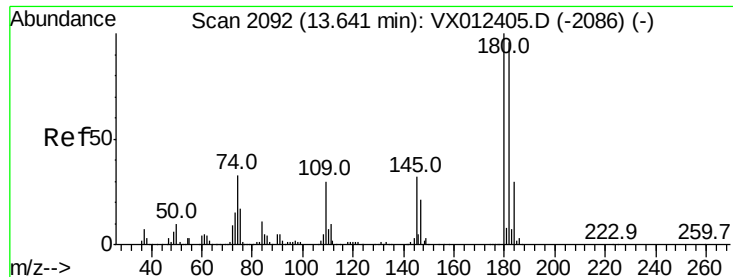
MMDadoda
 9/18/2019 11:19:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.398 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012411.D
 Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	39.8	119.4
157	101.4	50.0	150.1





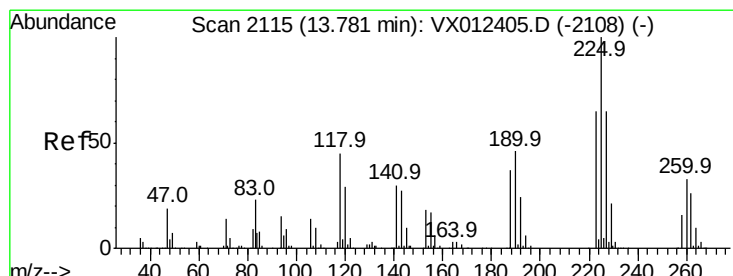
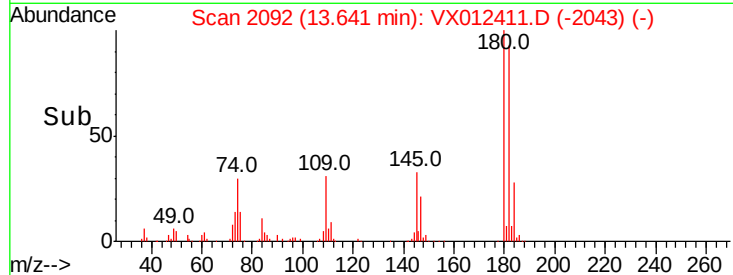
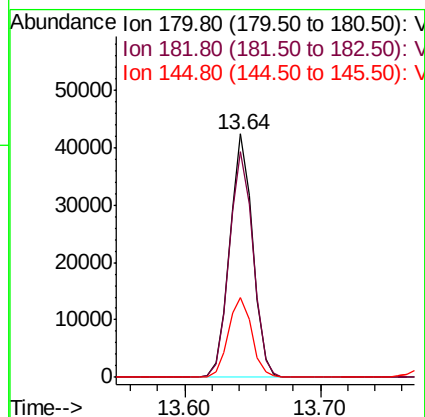
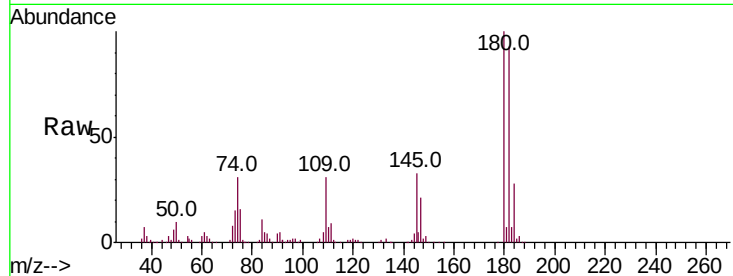
#93
1,2,4-Trichlorobenzene
Concen: 20.391 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49630		
182	95.8		48.1	144.4
145	33.3		16.6	49.7

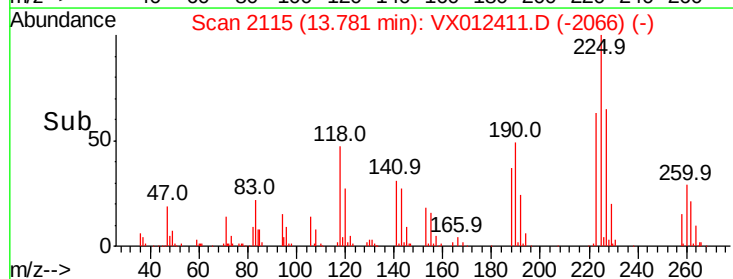
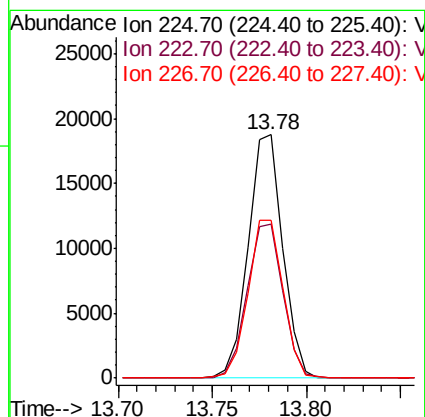
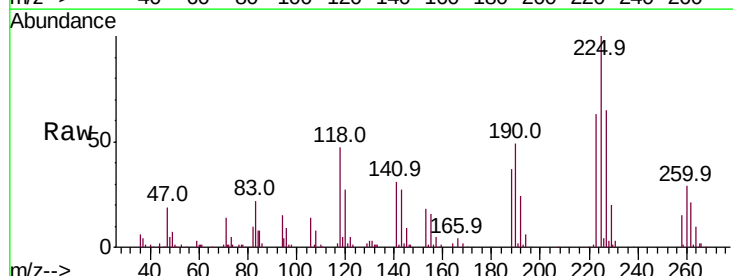
Manual Integrations
APPROVED

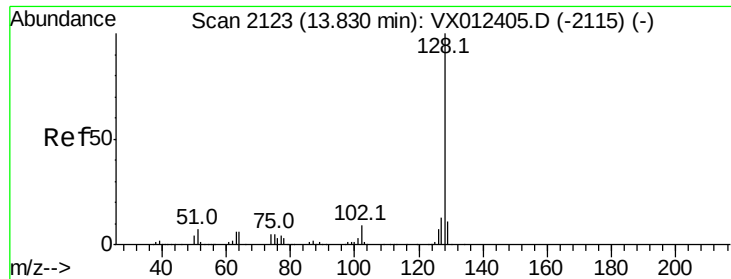
MMDadoda
9/18/2019 11:19:15 AM



#94
Hexachlorobutadiene
Concen: 20.312 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VX012411.D
Acq: 16 Sep 2019 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23807		
223	65.8		32.0	96.0
227	65.8		32.8	98.3





#95

Naphthalene

Concen: 19.829 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Instrument :

MSVOA_X

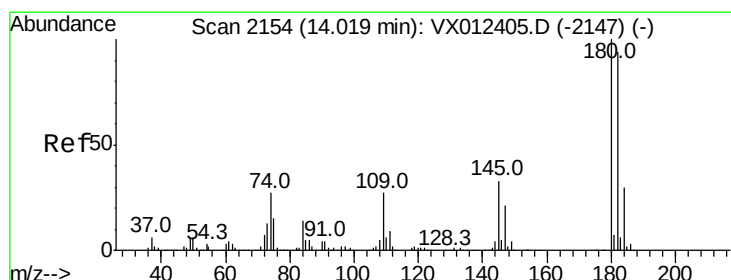
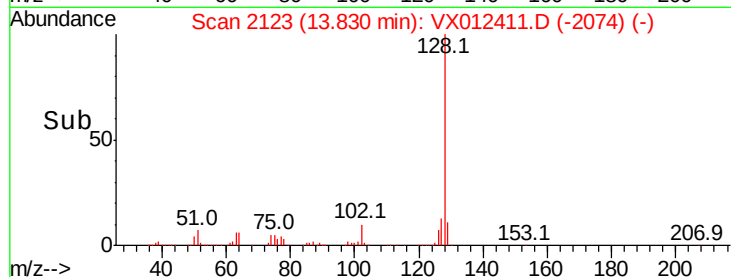
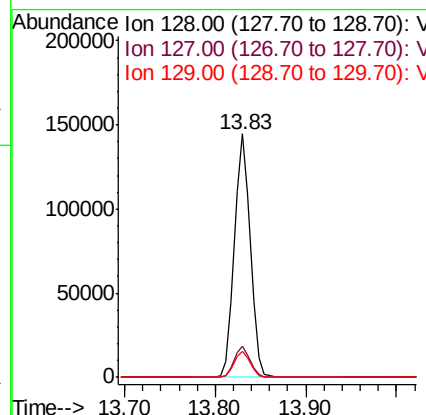
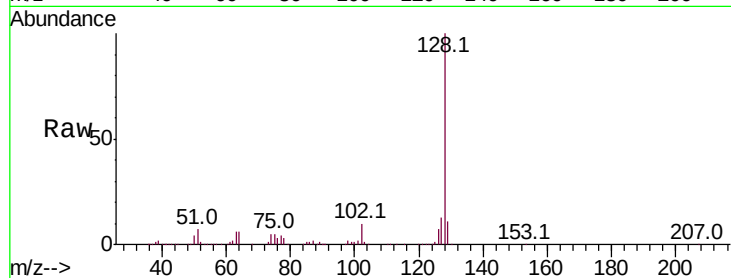
ClientSampleId :

VX0916WBSD01

Tot Ion:	128	Resp:	176248
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:19:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.283 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX012411.D

Acq: 16 Sep 2019 17:32

Tgt Ion:	180	Resp:	51666
Ion Ratio	Lower	Upper	
180	100		
182	94.3	46.9	140.8
145	34.7	17.6	52.9

