

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009905.D
 Acq On : 28 May 2019 10:44
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:24:46 AM

Quant Time: May 29 03:55:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 03:39:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	177662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	46780	19.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.92%	
35) Dibromofluoromethane	5.50	113	34537	19.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.24%	
50) Toluene-d8	8.71	98	138797	19.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.98%	
62) 4-Bromofluorobenzene	11.13	95	48865	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47405	26.774	ug/l	100
3) Chloromethane	1.33	50	56525	24.088	ug/l	100
4) Vinyl Chloride	1.41	62	51495	22.744	ug/l	99
5) Bromomethane	1.64	94	27391	20.188	ug/l	97
6) Chloroethane	1.72	64	30626	21.410	ug/l	100
7) Trichlorofluoromethane	1.93	101	57703	21.306	ug/l	98
8) Diethyl Ether	2.19	74	25164	19.851	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33805	20.108	ug/l	100
10) Methyl Iodide	2.51	142	34813	19.534	ug/l	98
11) Tert butyl alcohol	3.04	59	58725	103.304	ug/l	99
12) 1,1-Dichloroethene	2.37	96	34491	20.490	ug/l	95
13) Acrolein	2.29	56	42058	84.919	ug/l	99
14) Allyl chloride	2.73	41	82098	19.887	ug/l	99
15) Acrylonitrile	3.14	53	136236	98.184	ug/l	99
16) Acetone	2.45	43	140961	106.336	ug/l	99
17) Carbon Disulfide	2.57	76	103242	21.557	ug/l	99
18) Methyl Acetate	2.78	43	60447	19.362	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	126691	19.462	ug/l	99
20) Methylene Chloride	2.86	84	40592	19.126	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36665	20.134	ug/l	96
22) Diisopropyl ether	3.85	45	158760	20.100	ug/l	98
23) Vinyl Acetate	3.82	43	707656	104.168	ug/l	100
24) 1,1-Dichloroethane	3.70	63	76116	19.583	ug/l	98
25) 2-Butanone	4.67	43	213690	103.956	ug/l	99
26) 2,2-Dichloropropane	4.59	77	58179	20.089	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	41492	19.149	ug/l	99
28) Bromochloromethane	5.02	49	36366	20.649	ug/l	99
29) Tetrahydrofuran	5.13	42	136901	103.728	ug/l	100
30) Chloroform	5.21	83	68745	19.599	ug/l	99
31) Cyclohexane	5.58	56	75700	20.680	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	57081	19.502	ug/l	99
36) 1,1-Dichloropropene	5.80	75	53346	20.073	ug/l	99
37) Ethyl Acetate	4.84	43	77699	20.848	ug/l	99
38) Carbon Tetrachloride	5.79	117	48167	19.960	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66696	20.374	ug/l	100
40) Benzene	6.15	78	163275	19.901	ug/l	97
41) Methacrylonitrile	5.04	41	43438	19.693	ug/l	99
42) 1,2-Dichloroethane	6.20	62	58785	19.895	ug/l	99
43) Isopropyl Acetate	6.45	43	118004	19.863	ug/l	99
44) Trichloroethene	7.21	130	38385	19.381	ug/l	100
45) 1,2-Dichloropropane	7.51	63	46282	19.926	ug/l	98
46) Dibromomethane	7.66	93	26045	19.320	ug/l	99
47) Bromodichloromethane	7.90	83	51833	19.311	ug/l	98
48) Methyl methacrylate	7.77	41	60706	20.526	ug/l	100
49) 1,4-Dioxane	7.74	88	23346	394.528	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	399622	102.649	ug/l	100
52) Toluene	8.79	92	97967	19.639	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60900	19.937	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	67980	20.185	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	39174	19.348	ug/l	97
56) Ethyl methacrylate	9.18	69	69700	19.148	ug/l	99
57) 1,3-Dichloropropane	9.37	76	70594	19.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	190207	99.529	ug/l	100
59) 2-Hexanone	9.49	43	315150	103.166	ug/l	100
60) Dibromochloromethane	9.58	129	38463	19.376	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40197	19.636	ug/l	99
64) Tetrachloroethene	9.34	164	34685	19.721	ug/l	99
65) Chlorobenzene	10.13	112	99783	19.485	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	35697	19.252	ug/l	99
67) Ethyl Benzene	10.25	91	186433	19.774	ug/l	100
68) m/p-Xylenes	10.36	106	138272	40.095	ug/l	99
69) o-Xylene	10.69	106	65675	19.314	ug/l	99
70) Styrene	10.71	104	115660	19.620	ug/l	99
71) Bromoform	10.85	173	28482	18.873	ug/l #	99
73) Isopropylbenzene	11.02	105	177320	19.795	ug/l	100
74) N-amyl acetate	10.90	43	104426	19.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	65101	19.588	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	56430m	19.739	ug/l	
77) Bromobenzene	11.26	156	42897	19.316	ug/l	99
78) n-propylbenzene	11.36	91	205501	20.050	ug/l	100
79) 2-Chlorotoluene	11.42	91	124479	19.675	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	151650	20.078	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21163	18.841	ug/l	94
82) 4-Chlorotoluene	11.51	91	139794	19.541	ug/l	98
83) tert-Butylbenzene	11.77	119	142500	19.429	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	151292	19.954	ug/l	99
85) sec-Butylbenzene	11.94	105	171428	19.709	ug/l	100
86) p-Isopropyltoluene	12.06	119	156160	19.949	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	77252	19.525	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	77123	19.324	ug/l	99
89) n-Butylbenzene	12.38	91	140884	19.826	ug/l	100
90) Hexachloroethane	12.60	117	25655	19.271	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	76753	19.107	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15002	20.126	ug/l	95

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VSTDICC020

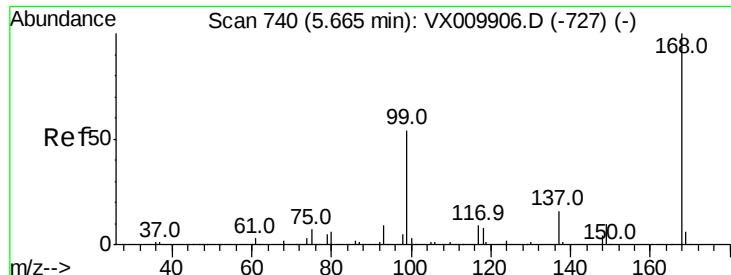
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54335	19.724	ug/l	99
94) Hexachlorobutadiene	13.78	225	27836	19.739	ug/l	99
95) Naphthalene	13.83	128	177214	19.917	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	54937	19.720	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 177662

Ion Ratio Lower Upper

168 100

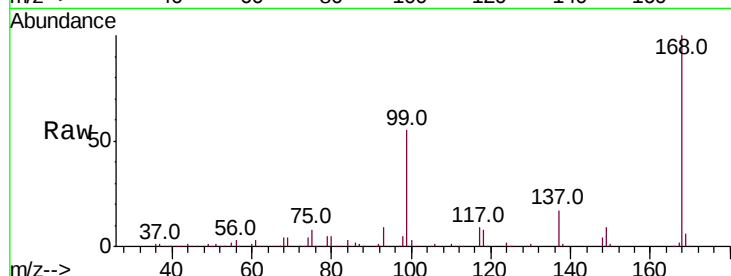
99 54.6 43.0 64.6

Manual Integrations

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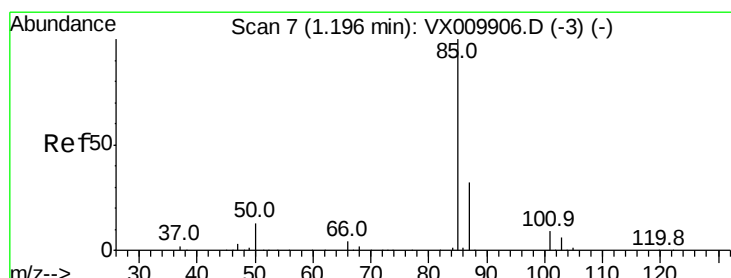
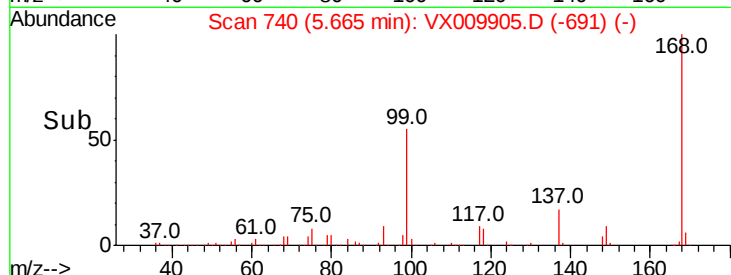
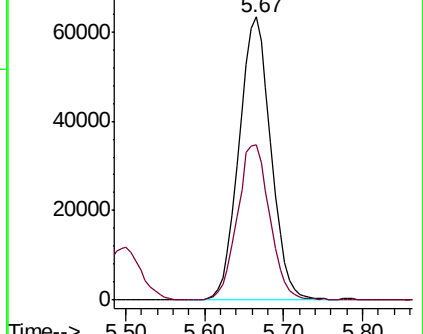
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 26.774 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009905.D

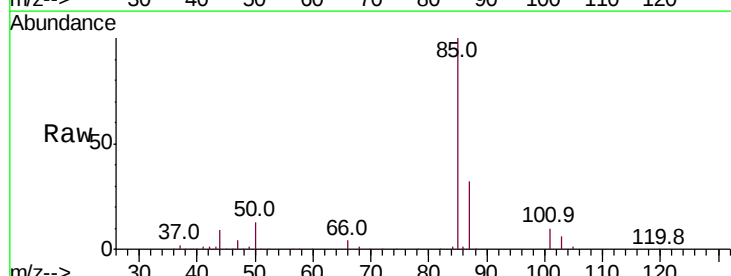
Acq: 28 May 2019 10:44

Tgt Ion: 85 Resp: 47405

Ion Ratio Lower Upper

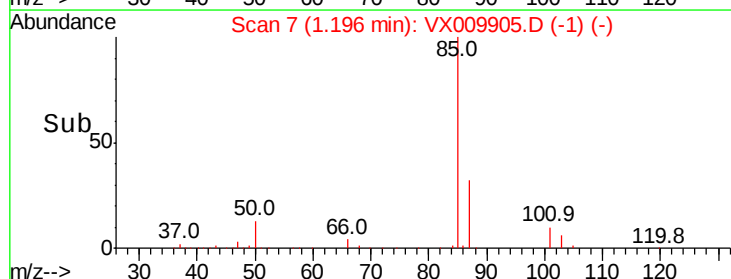
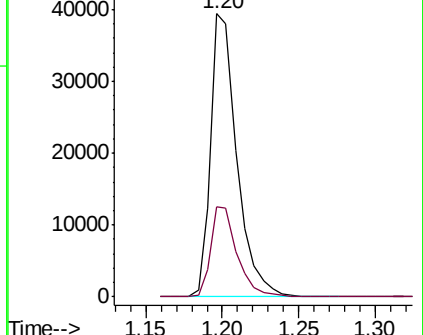
85 100

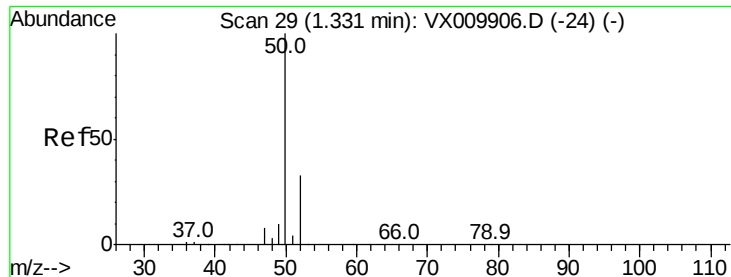
87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 24.088 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 56525

Ion Ratio Lower Upper

50 100

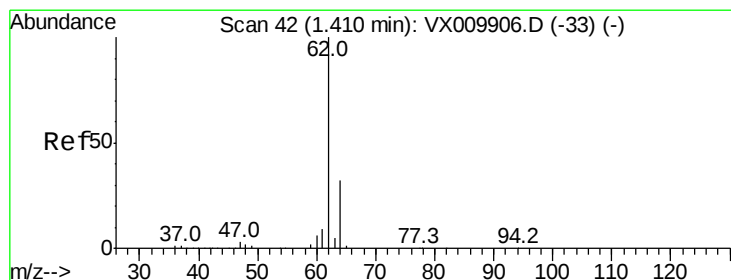
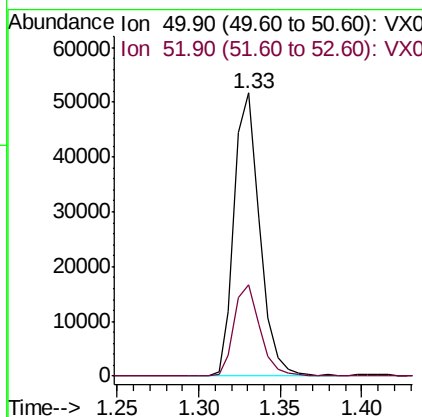
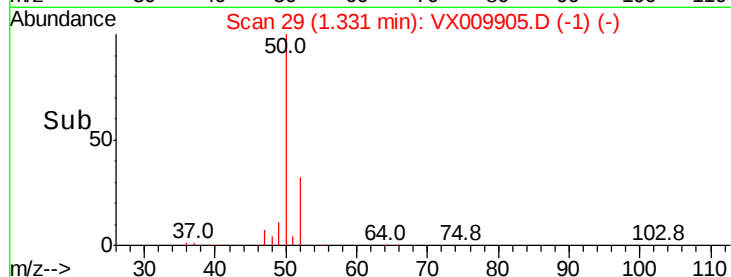
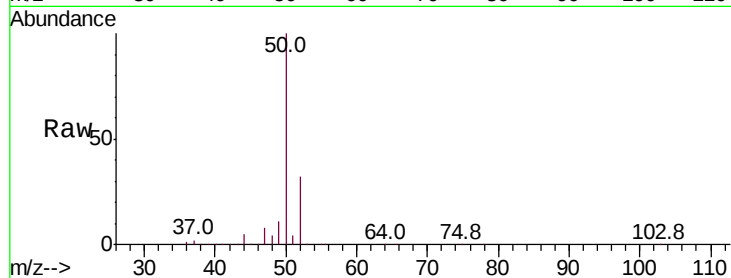
52 32.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.744 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009905.D

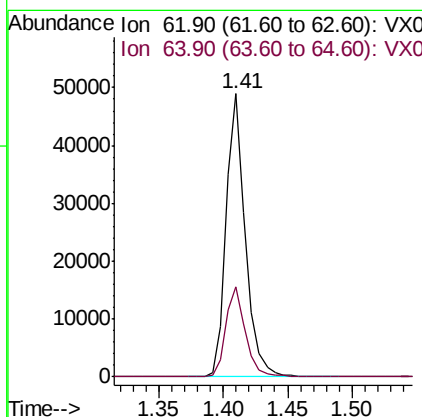
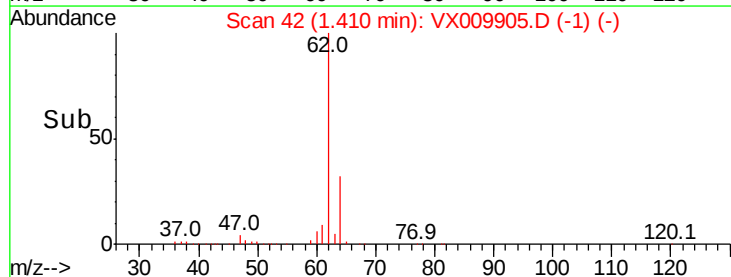
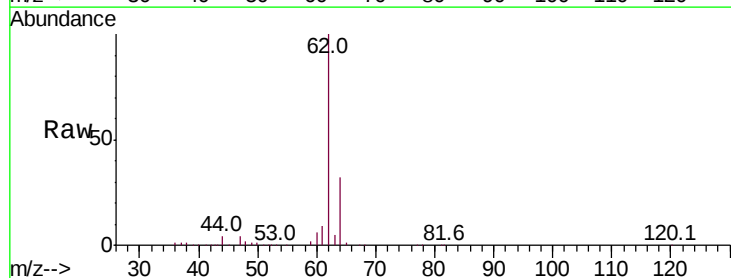
Acq: 28 May 2019 10:44

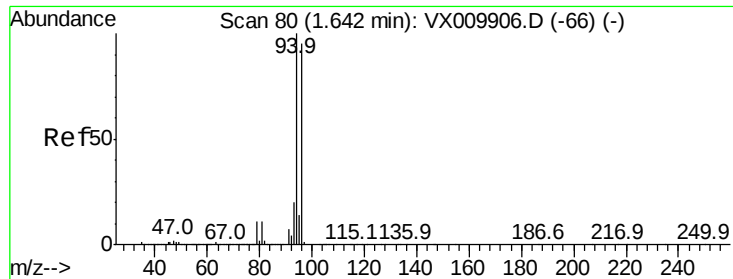
Tgt Ion: 62 Resp: 51495

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





#5

Bromomethane

Concen: 20.188 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 27391

Ion Ratio Lower Upper

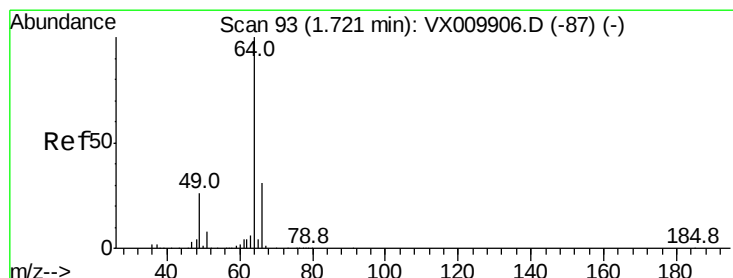
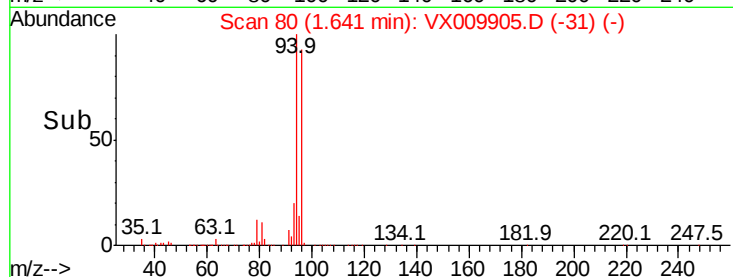
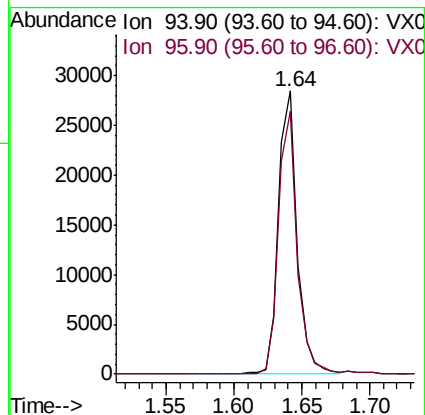
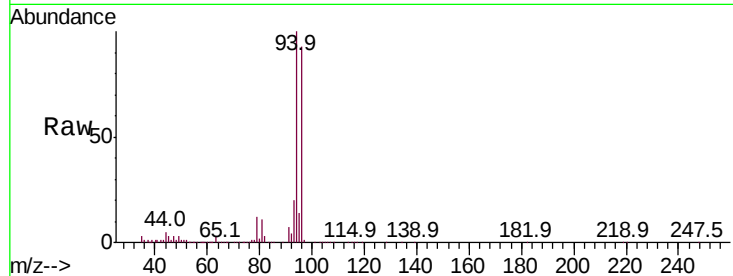
94 100

96 92.7 76.2 114.4

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#6

Chloroethane

Concen: 21.410 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009905.D

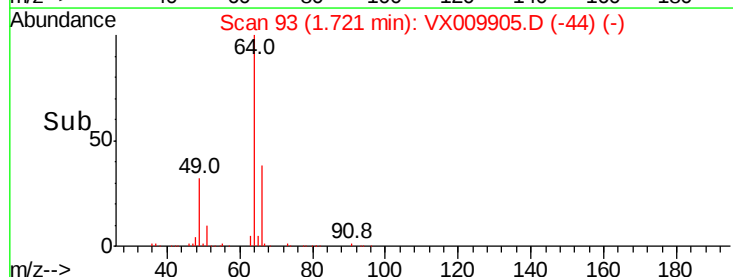
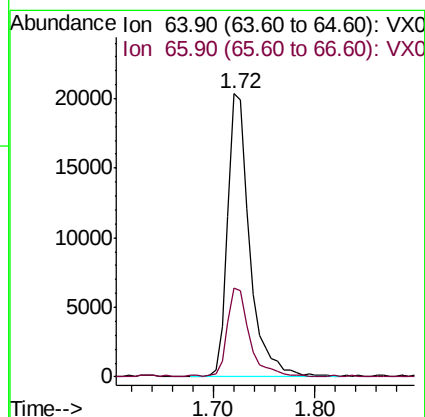
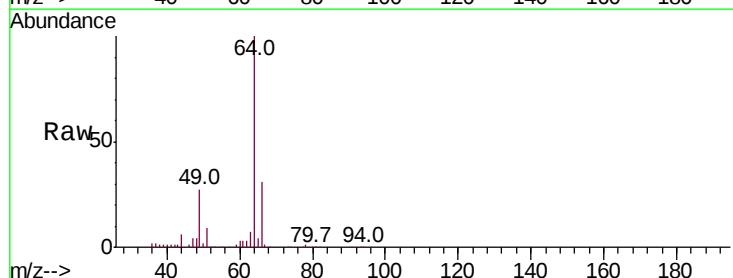
Acq: 28 May 2019 10:44

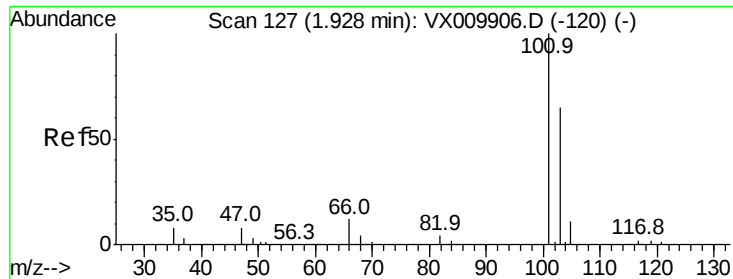
Tgt Ion: 64 Resp: 30626

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7





#7

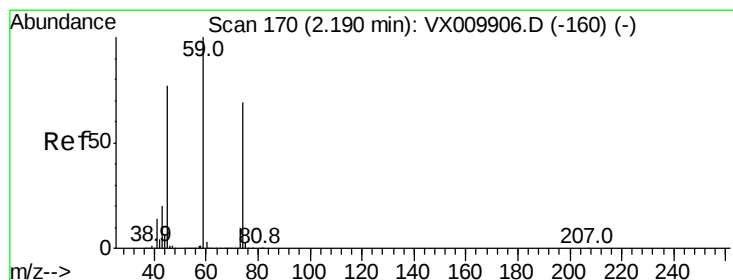
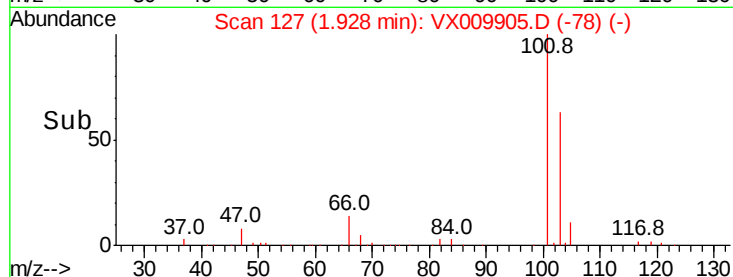
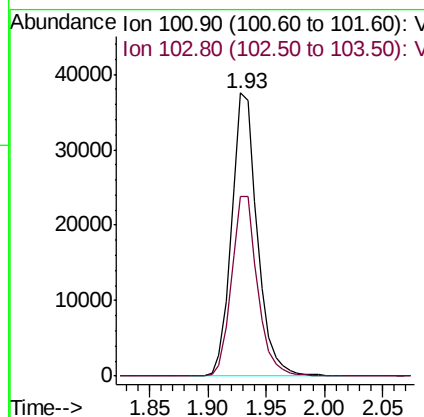
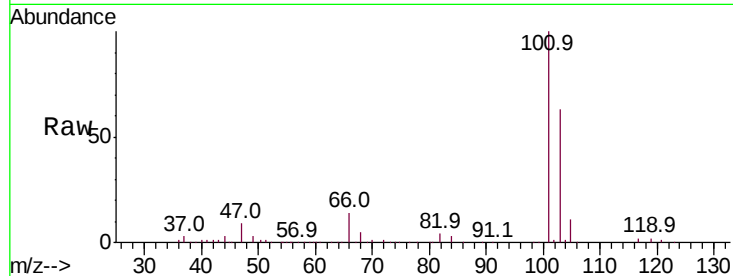
Trichlorofluoromethane
Concen: 21.306 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

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ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 57703
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.4

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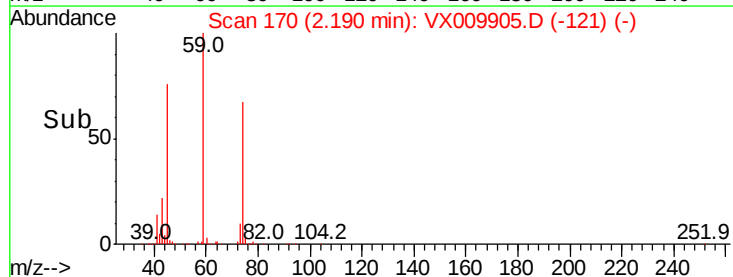
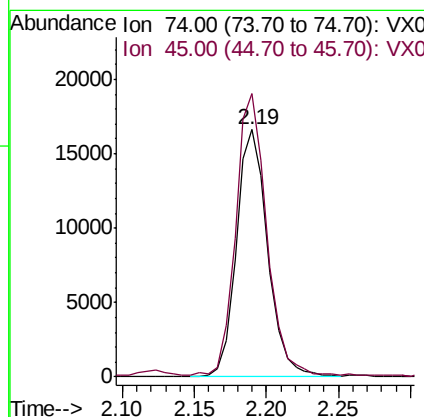
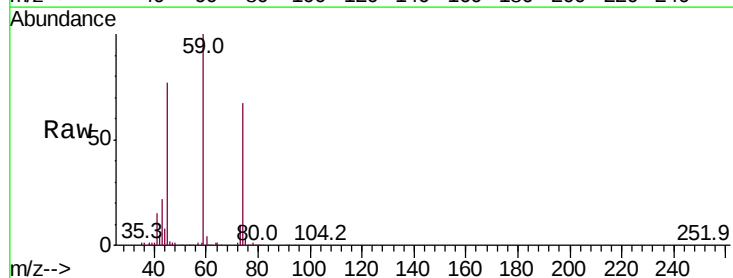
MMDadoda
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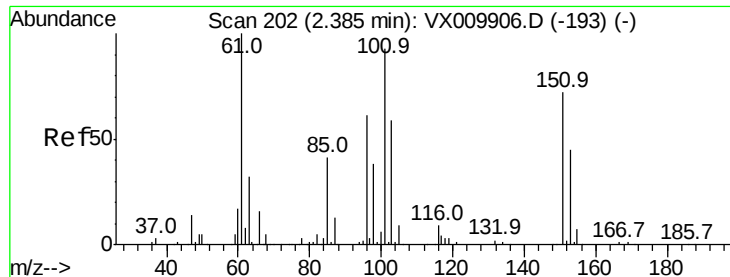


#8

Diethyl Ether
Concen: 19.851 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion: 74 Resp: 25164
Ion Ratio Lower Upper
74 100
45 114.3 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.108 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

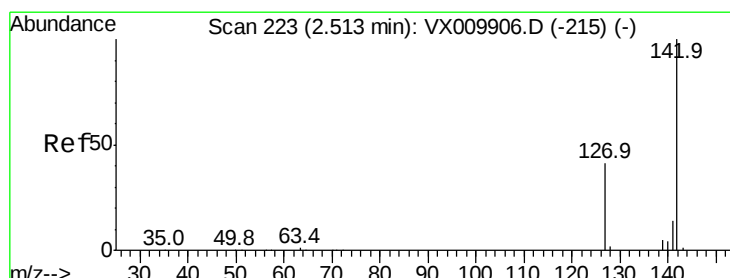
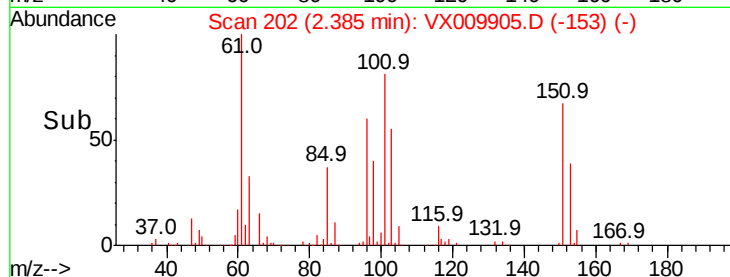
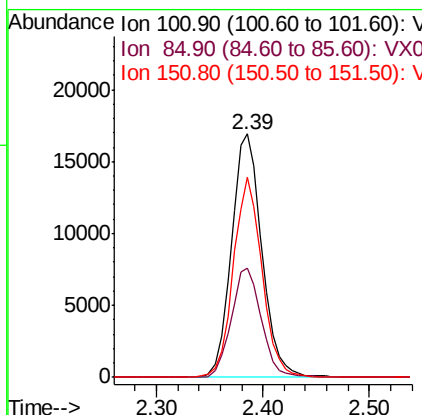
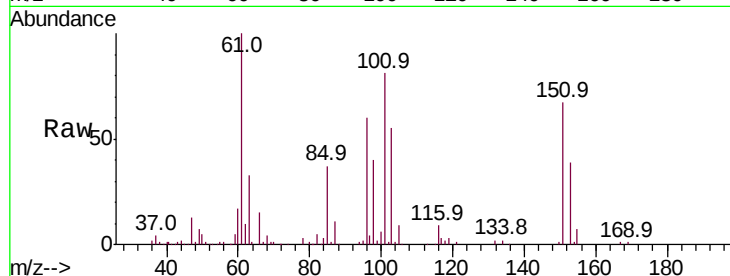
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	33805
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.2	52.8
151	77.7	61.9	92.9

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#10

Methyl Iodide

Concen: 19.534 ug/l

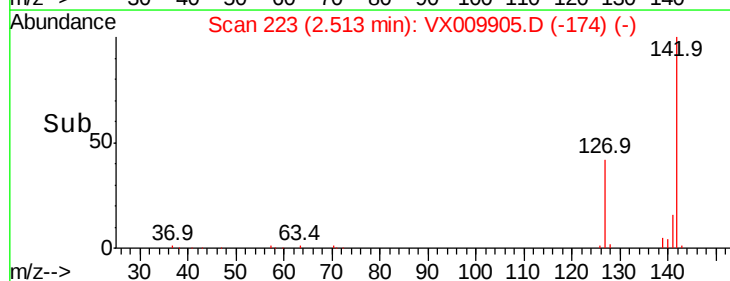
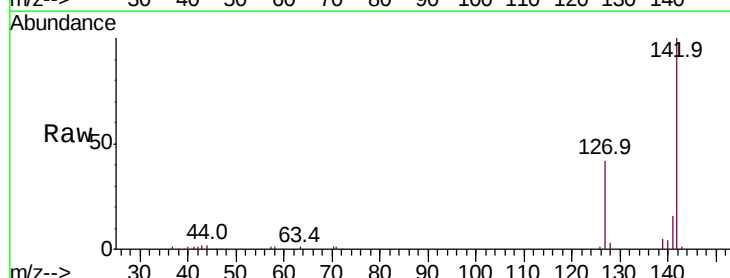
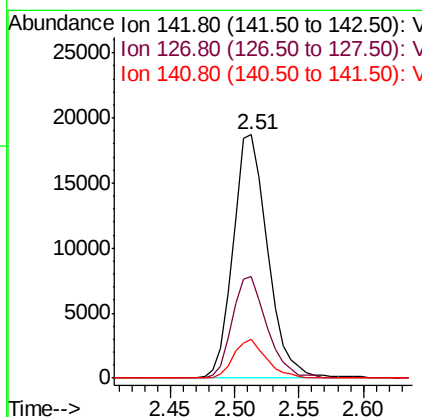
RT: 2.51 min Scan# 223

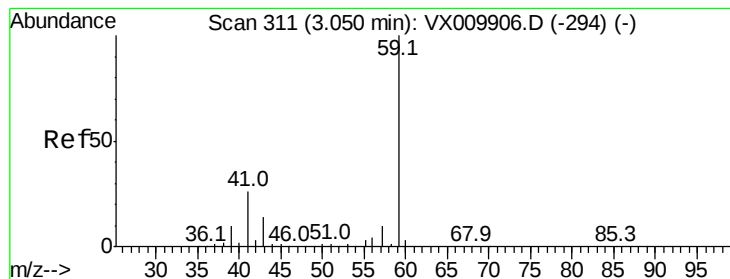
Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion:	142	Resp:	34813
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.0	49.4
141	15.1	11.4	17.0





#11

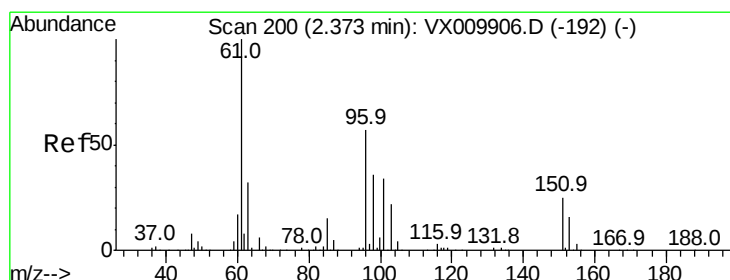
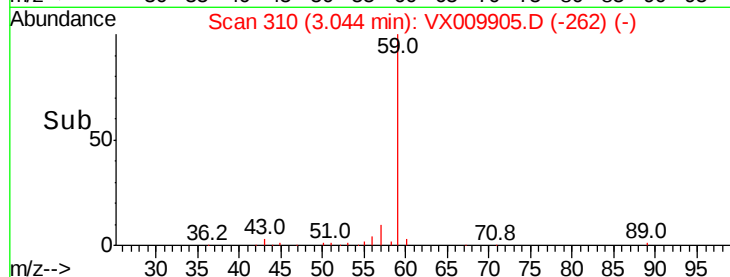
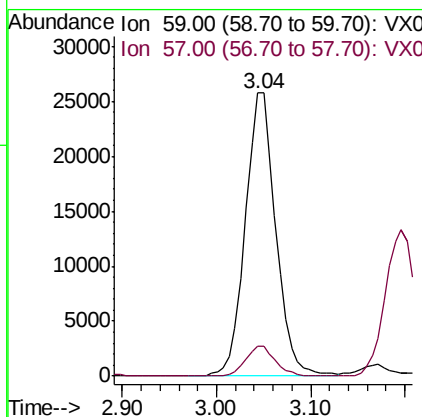
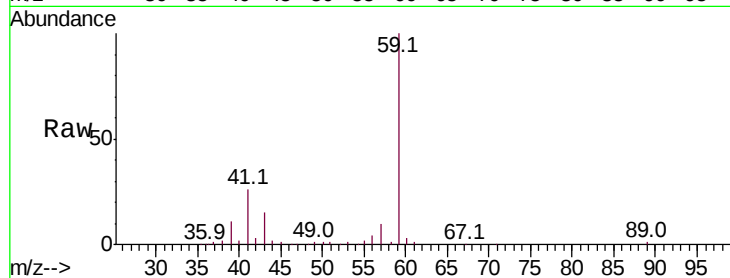
Tert butyl alcohol
 Concen: 103.304 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

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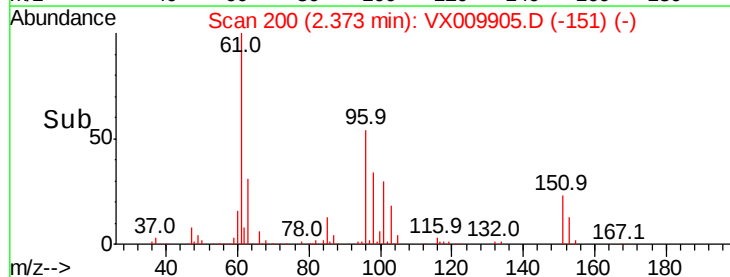
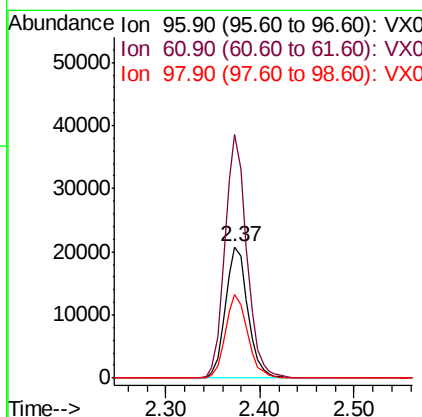
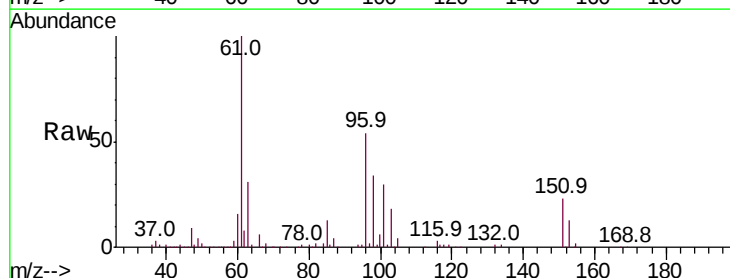
MMDadoda
 5/29/2019 9:24:46 AM

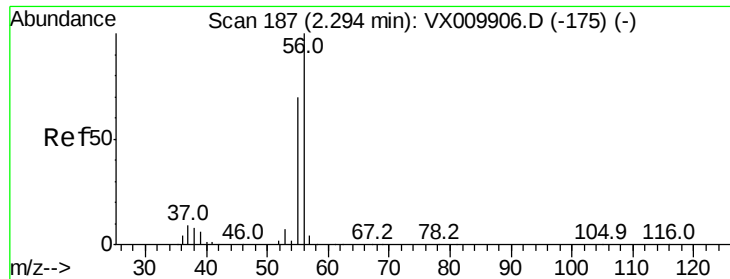


#12

1,1-Dichloroethene
 Concen: 20.490 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.2	140.7	211.1
98	63.1	50.1	75.1





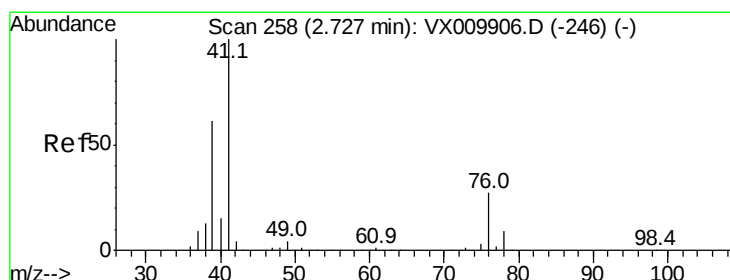
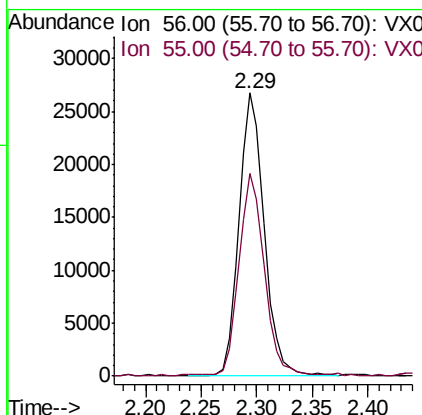
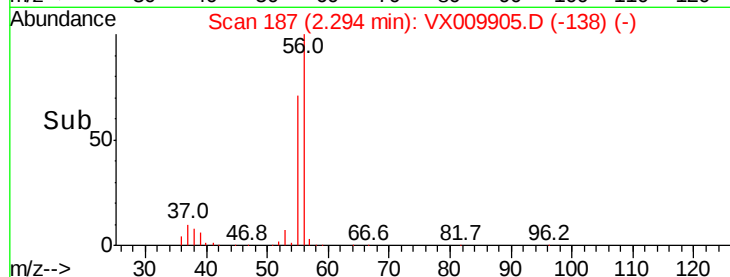
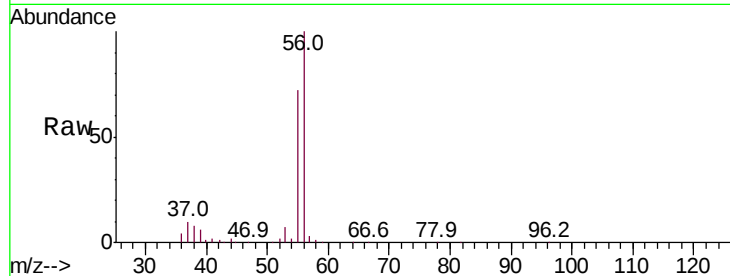
#13
Acrolein
Concen: 84.919 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	42058
Ion Ratio	100	Lower	Upper
55	70.4	57.0	85.4

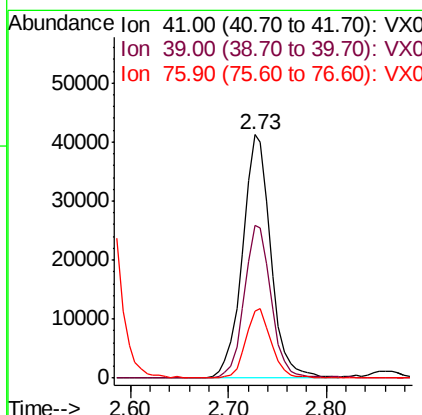
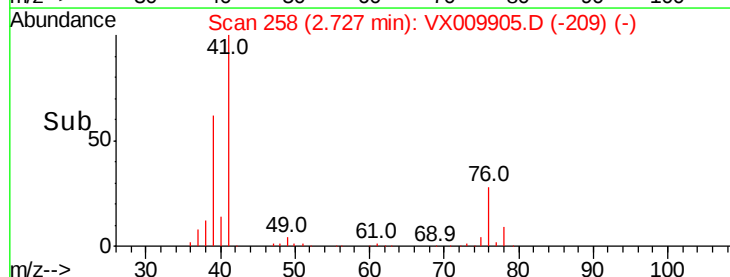
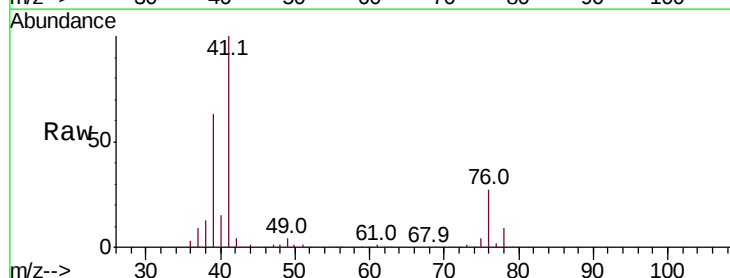
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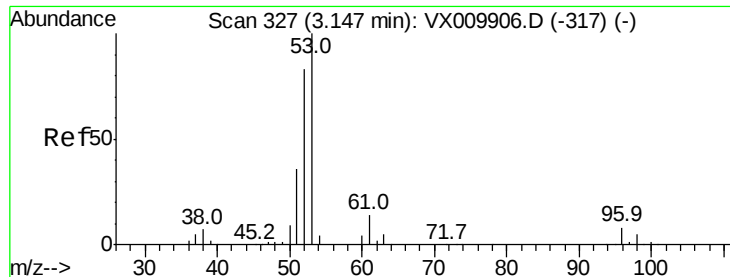
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#14
Allyl chloride
Concen: 19.887 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	41	Resp	82098
Ion Ratio	100	Lower	Upper
39	59.2	46.7	70.1
76	26.1	21.0	31.4





#15

Acrylonitrile

Concen: 98.184 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

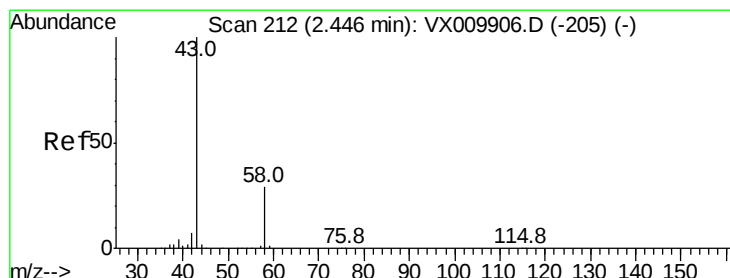
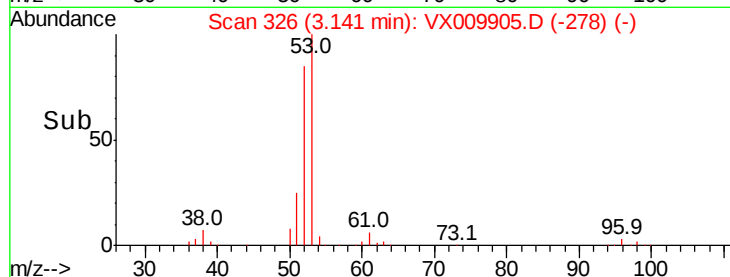
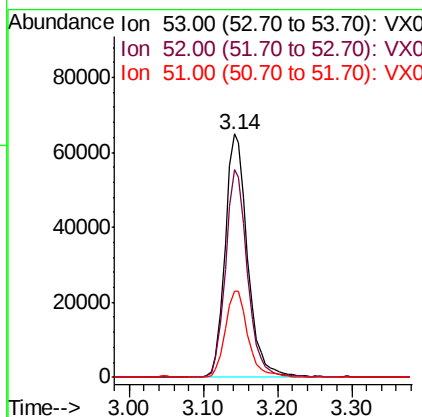
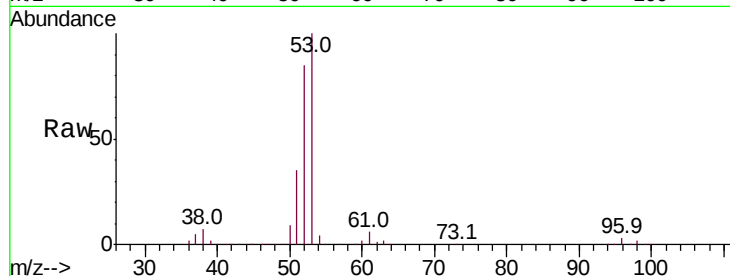
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	136236
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.7	100.1
51	36.4	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 106.336 ug/l

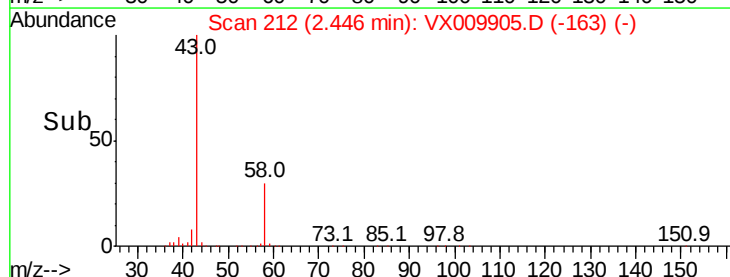
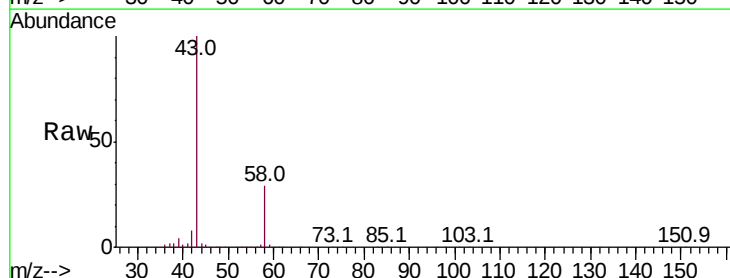
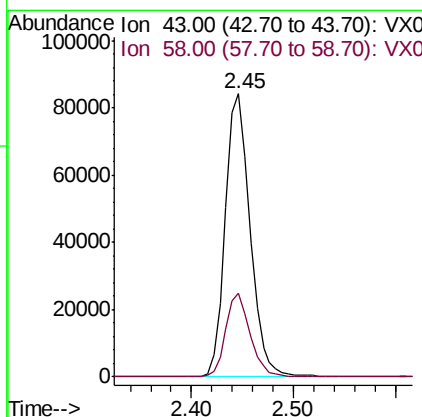
RT: 2.45 min Scan# 212

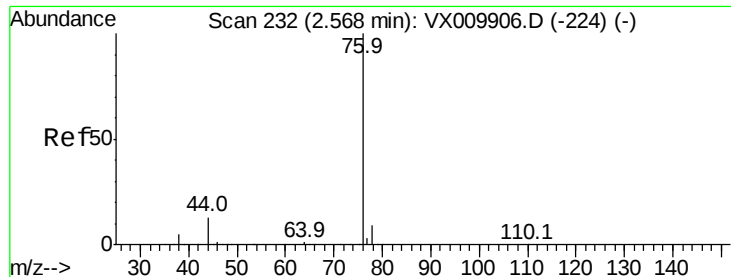
Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion:	43	Resp:	140961
Ion Ratio	Lower	Upper	
43	100		
58	29.5	23.2	34.8





#17

Carbon Disulfide

Concen: 21.557 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 103242

Ion Ratio Lower Upper

76 100

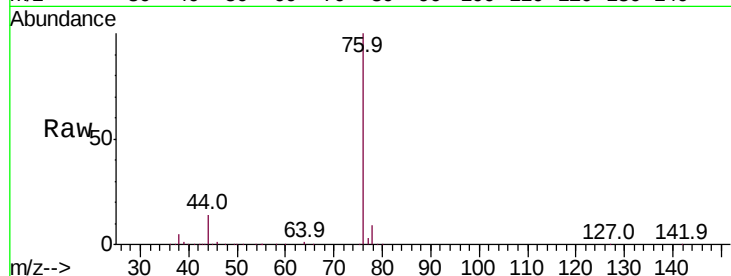
78 9.0 7.0 10.6

Manual Integrations

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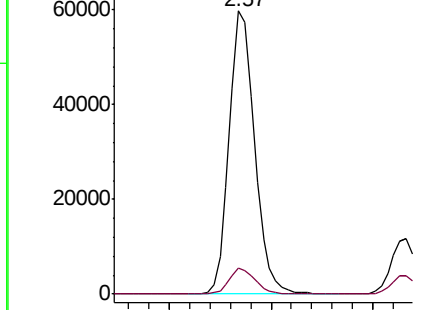
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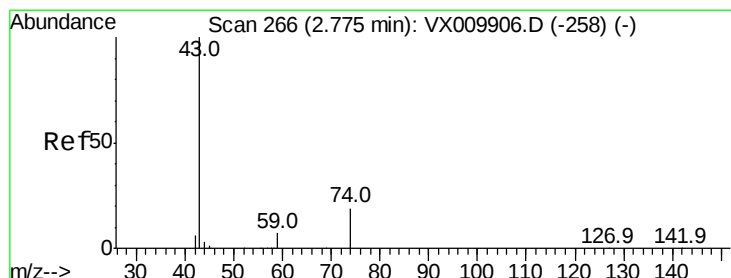
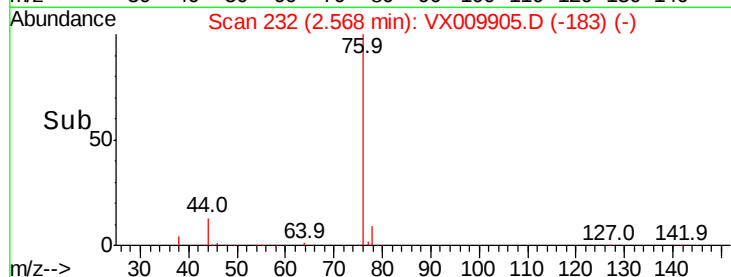


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 19.362 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009905.D

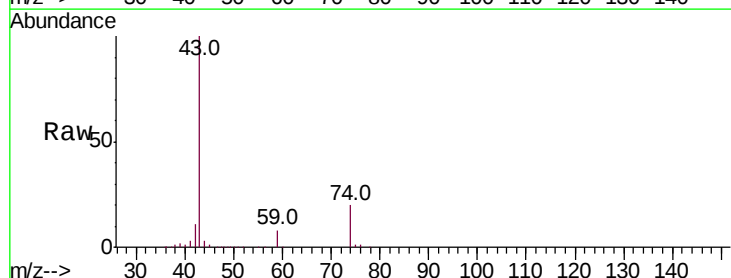
Acq: 28 May 2019 10:44

Tgt Ion: 43 Resp: 60447

Ion Ratio Lower Upper

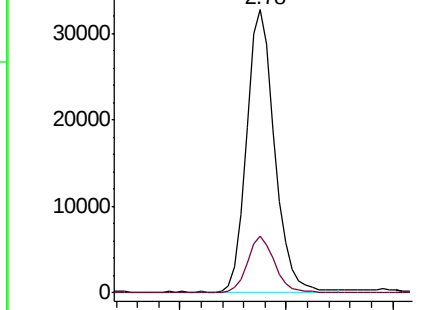
43 100

74 19.8 15.8 23.6

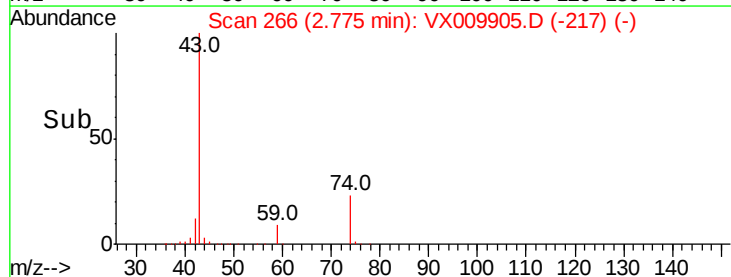


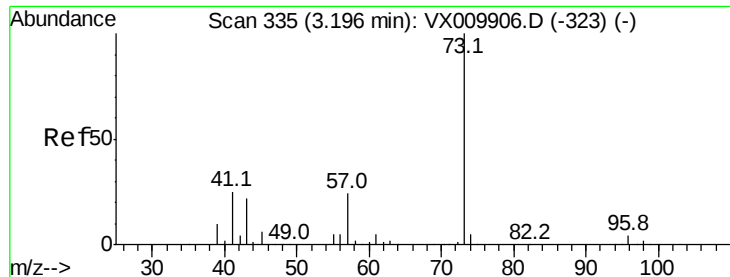
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





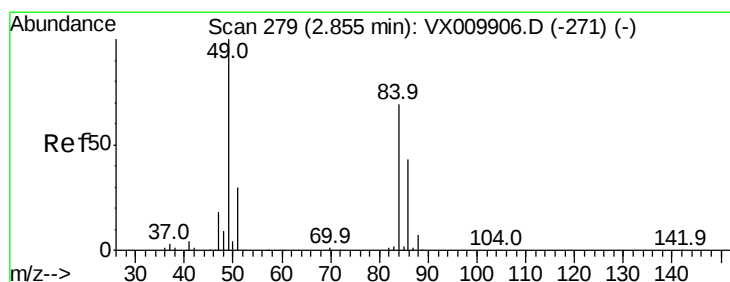
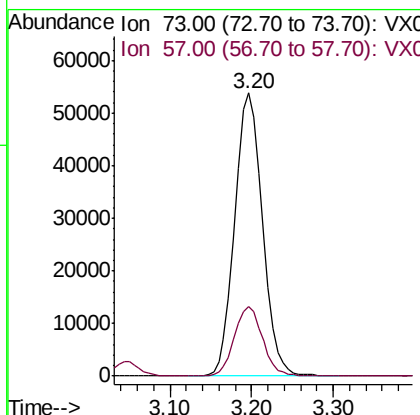
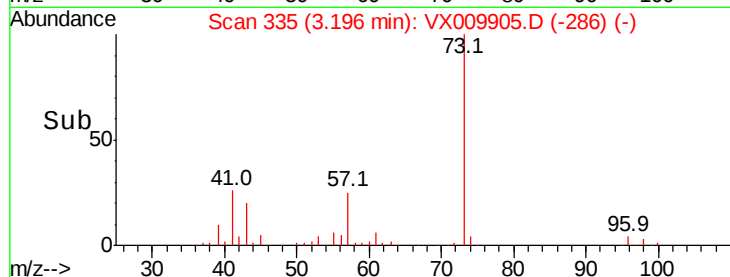
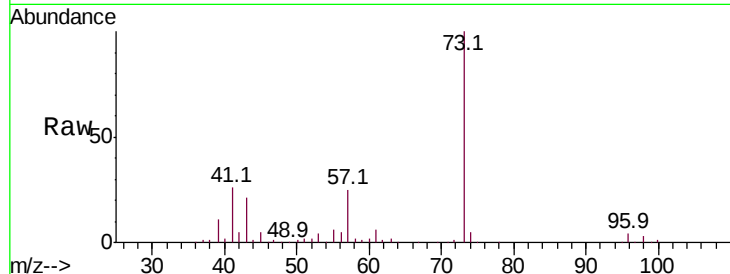
#19
Methvl tert-butvl Ether
Concen: 19.462 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.4	29.2

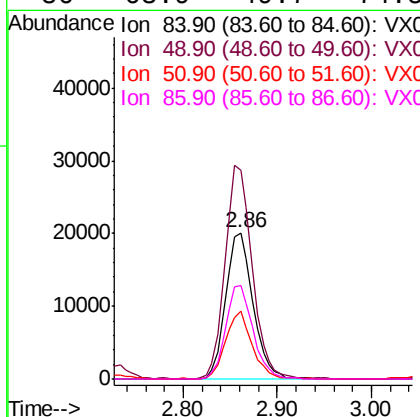
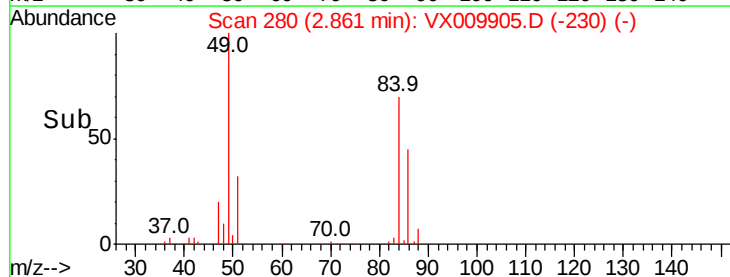
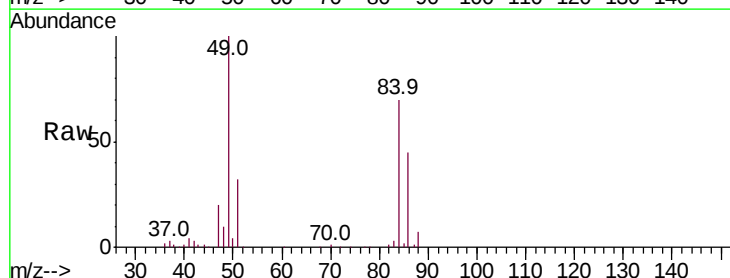
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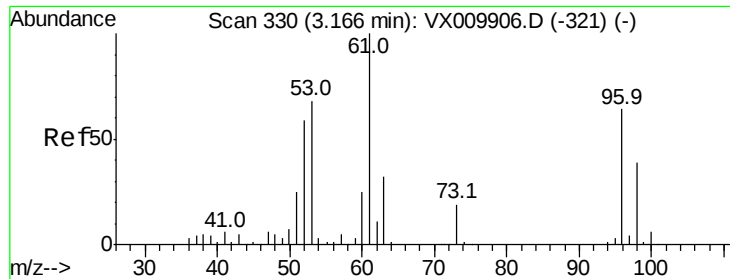
MMDadoda
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#20
Methylene Chloride
Concen: 19.126 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.5	115.8	173.6
51	46.3	34.4	51.6
86	63.9	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 20.134 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 36665

Ion Ratio Lower Upper

96 100

61 162.3 125.7 188.5

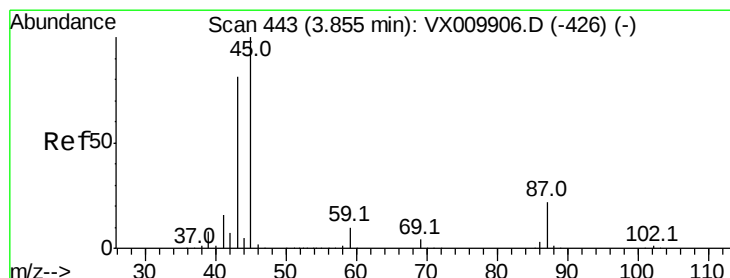
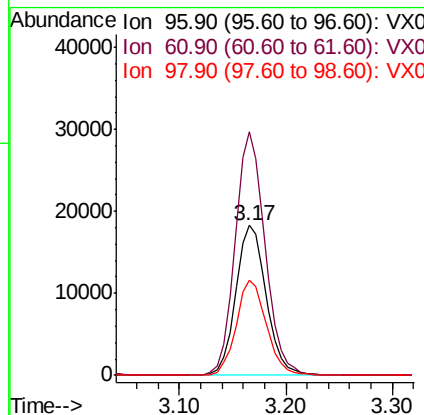
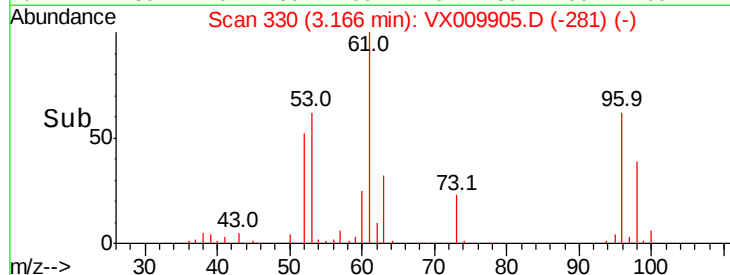
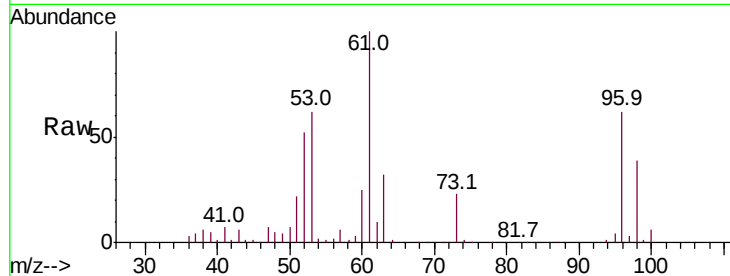
98 63.1 49.0 73.6

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#22

Diisopropyl ether

Concen: 20.100 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion: 45 Resp: 158760

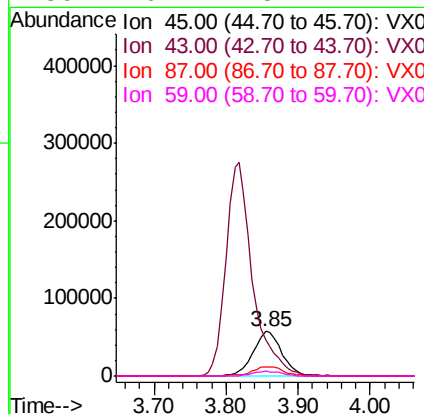
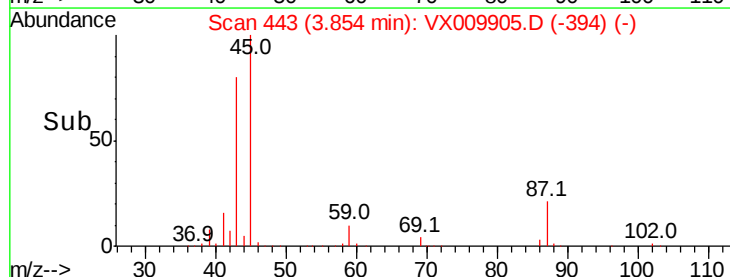
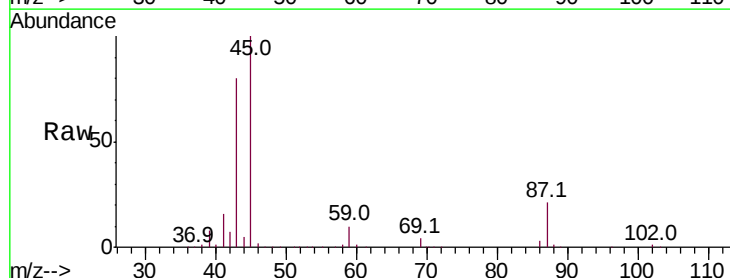
Ion Ratio Lower Upper

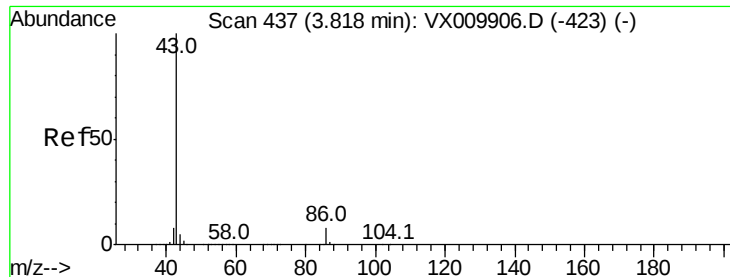
45 100

43 79.7 65.0 97.4

87 20.8 17.3 25.9

59 10.1 8.1 12.1





#23

Vinyl Acetate

Concen: 104.168 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 707656

Ion Ratio Lower Upper

43 100

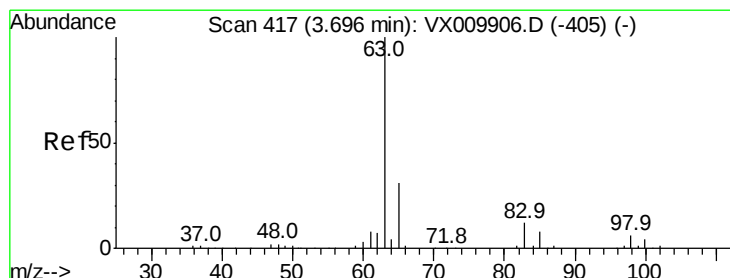
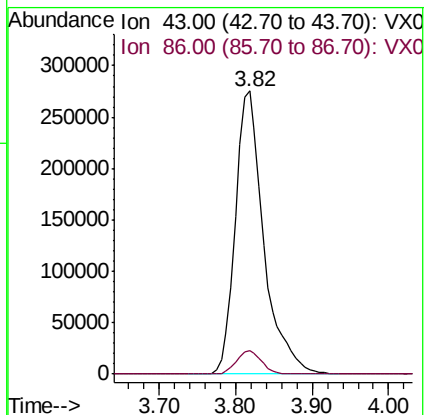
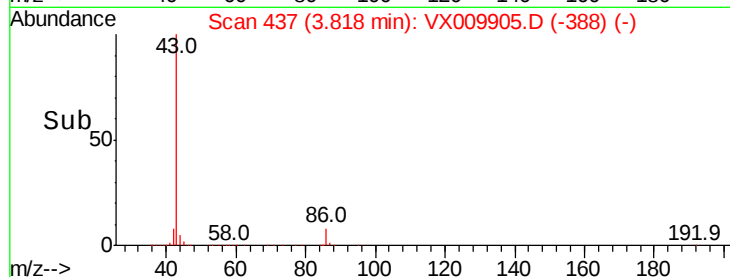
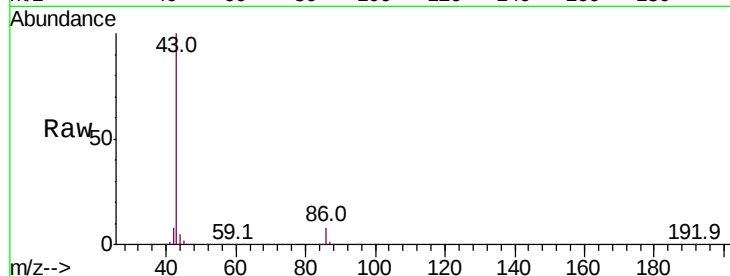
86 8.2 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.583 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

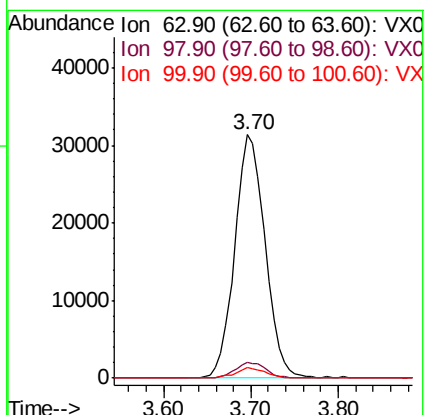
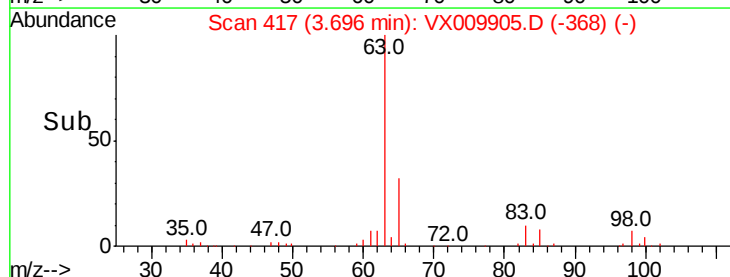
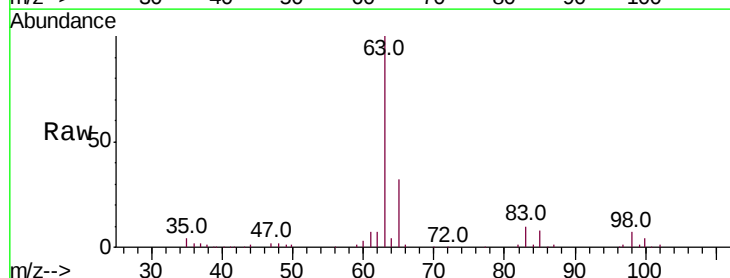
Tgt Ion: 63 Resp: 76116

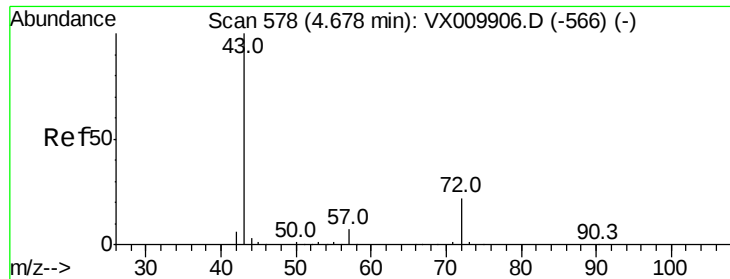
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 4.1 1.8 5.4





#25

2-Butanone

Concen: 103.956 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tot Ion: 43 Resp: 213690

Ion Ratio Lower Upper

43 100

72 21.5 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

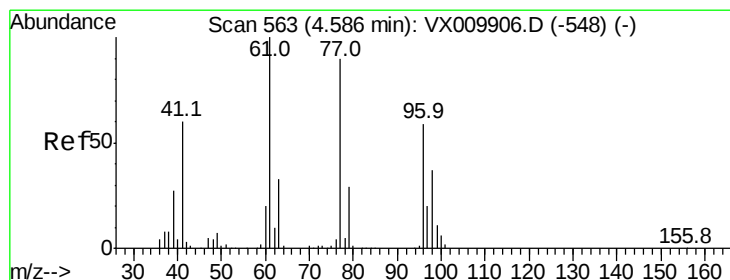
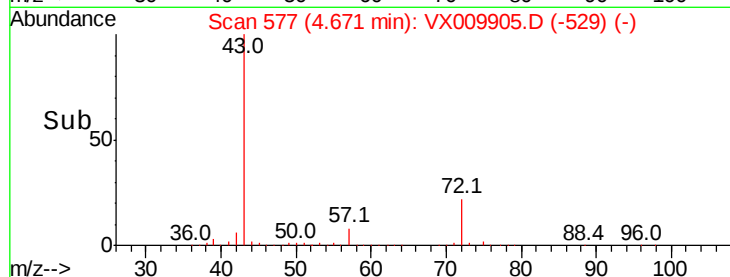
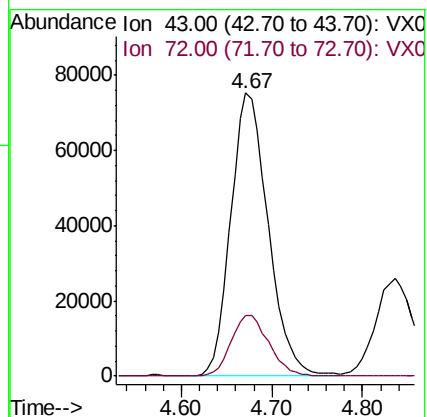
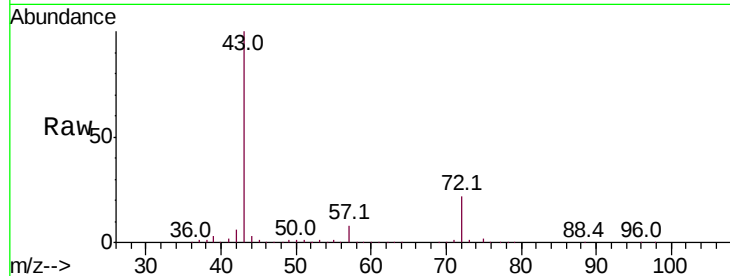
VSTDIC020

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#26

2,2-Dichloropropane

Concen: 20.089 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009905.D

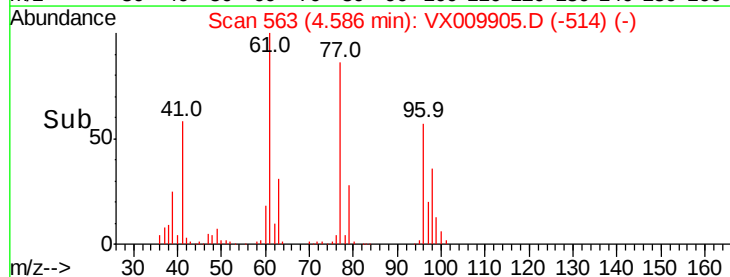
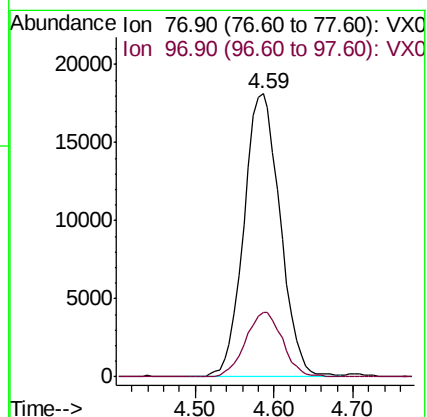
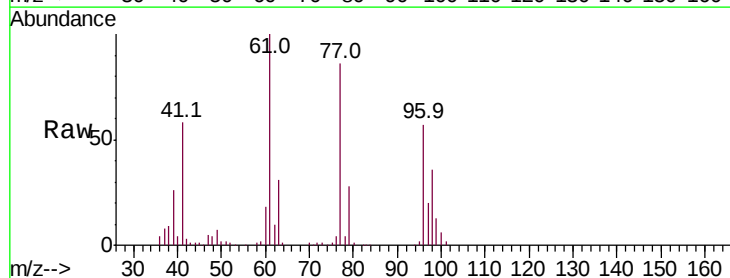
Acq: 28 May 2019 10:44

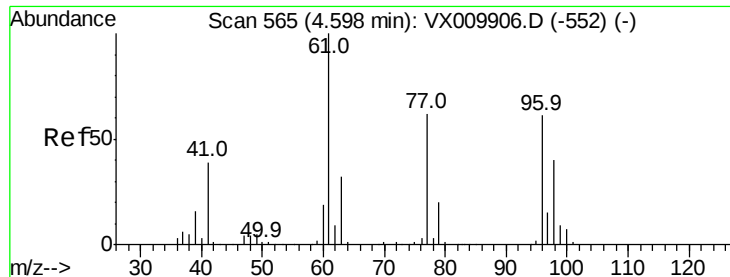
Tgt Ion: 77 Resp: 58179

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2





#27

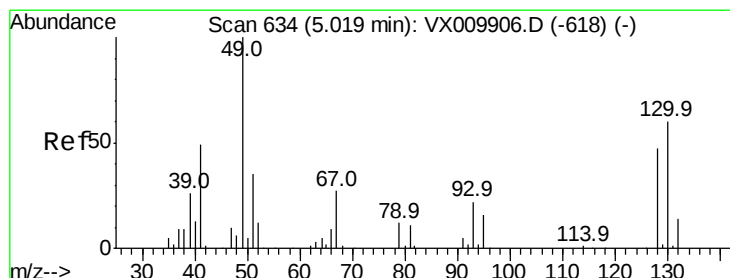
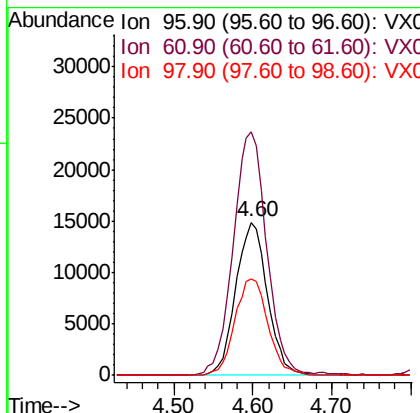
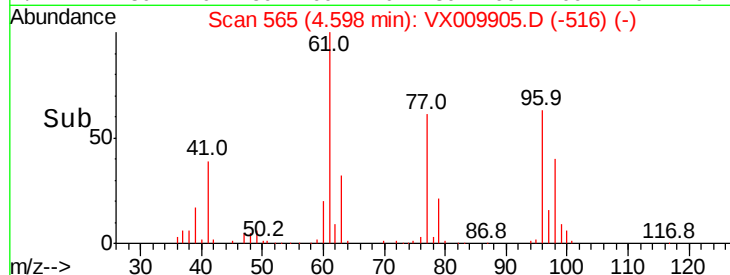
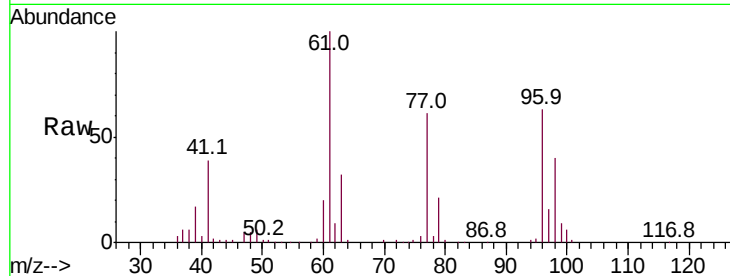
cis-1,2-Dichloroethene
Concen: 19.149 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.0	0.0	334.0
98	65.9	0.0	131.6

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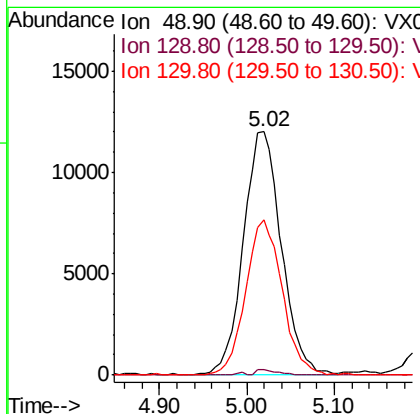
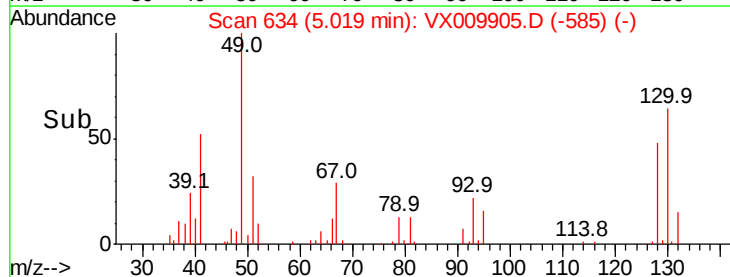
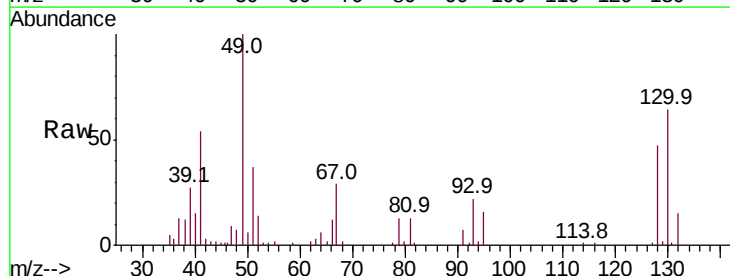
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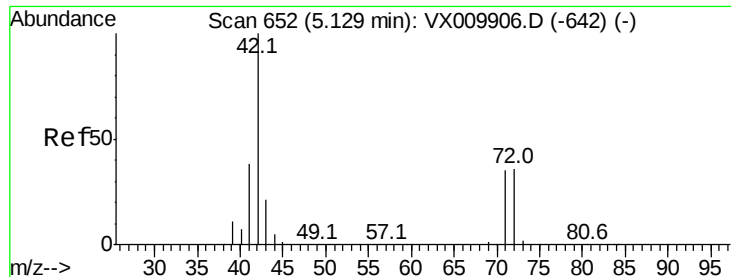


#28

Bromochloromethane
Concen: 20.649 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	61.2	49.4	74.2





#29

Tetrahydrofuran

Concen: 103.728 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

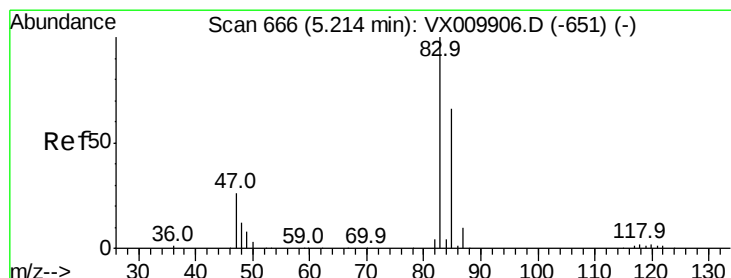
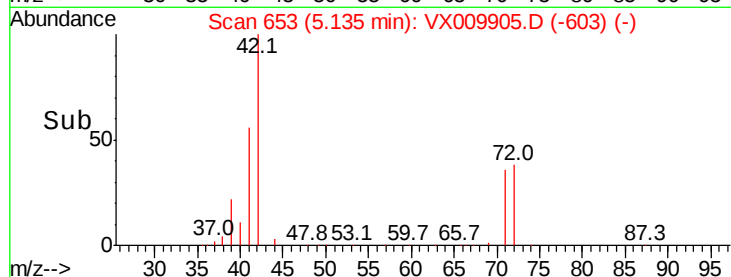
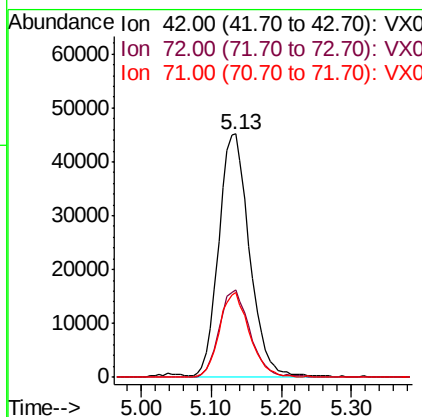
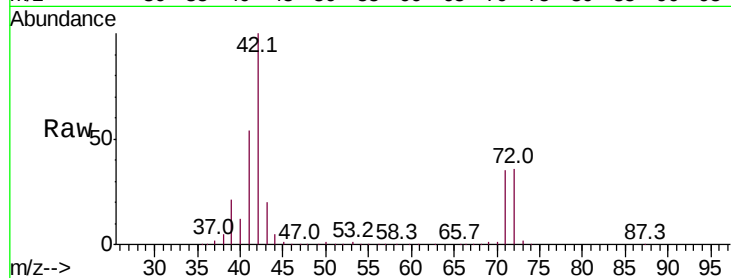
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	136901
Ion Ratio	Lower	Upper	
42	100		
72	36.5	29.2	43.8
71	34.9	27.6	41.4

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#30

Chloroform

Concen: 19.599 ug/l

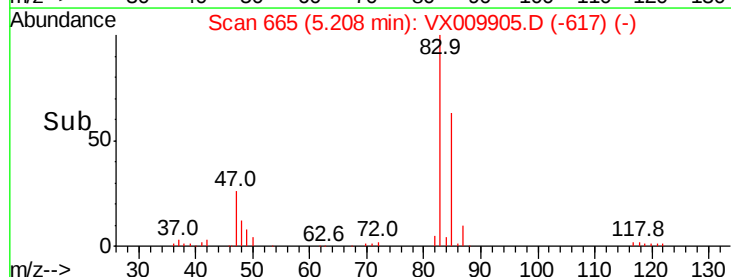
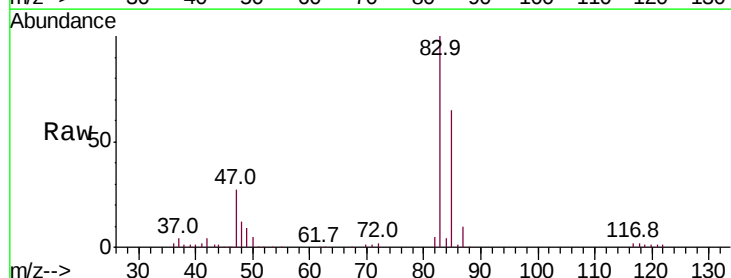
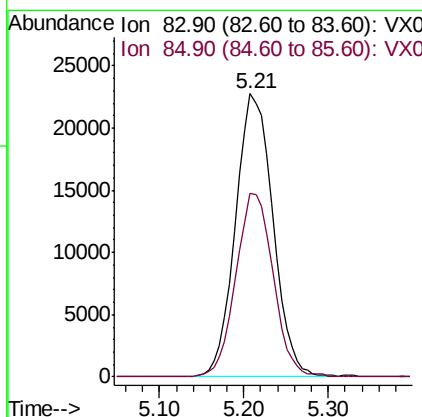
RT: 5.21 min Scan# 665

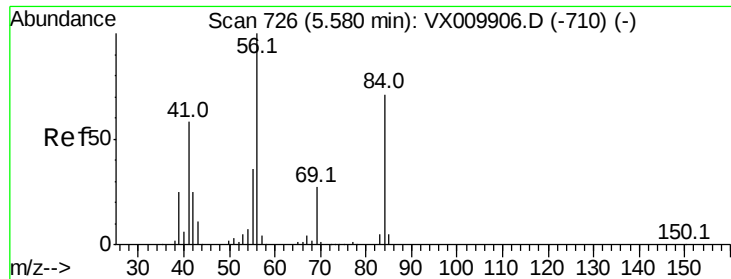
Delta R.T. -0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion:	83	Resp:	68745
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.6	78.8





#31

Cyclohexane

Concen: 20.680 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

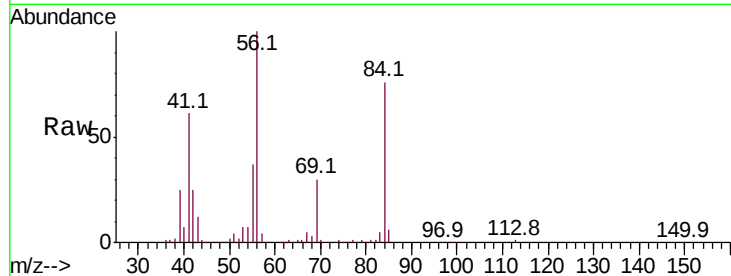
ClientSampleId :

VSTDIC020

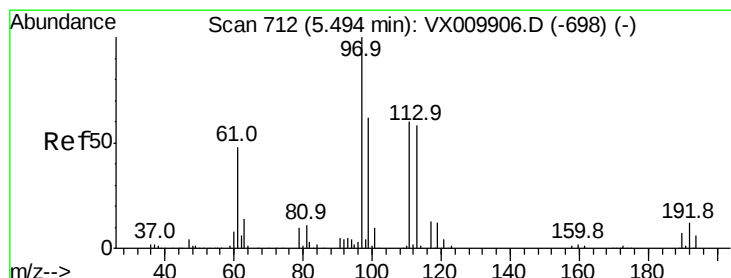
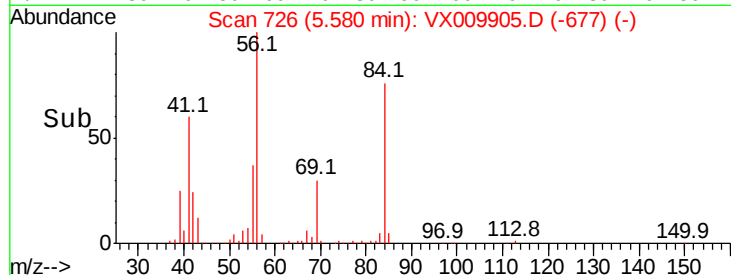
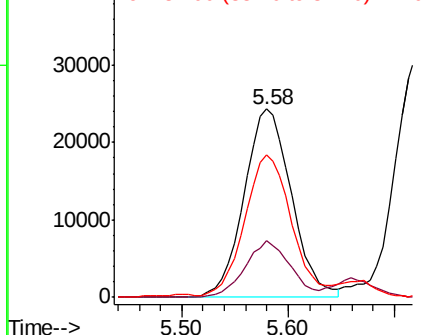
Tot Ion:	56	Resp:	75700
Ion Ratio	Lower	Upper	
56	100		
69	30.3	21.6	32.4
84	74.2	56.8	85.2

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.502 ug/l

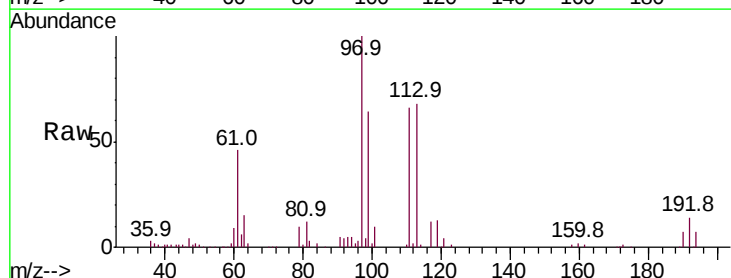
RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

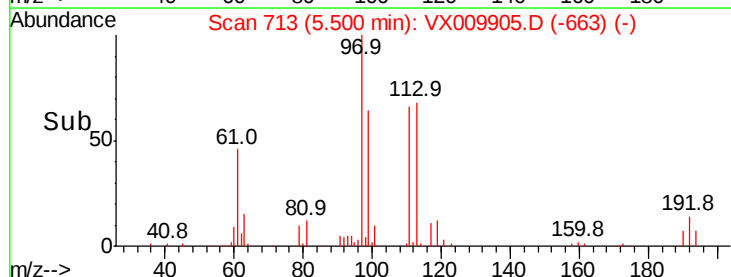
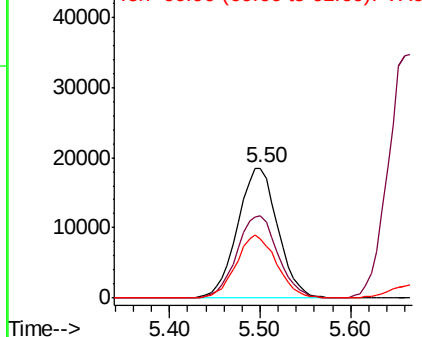
Lab File: VX009905.D

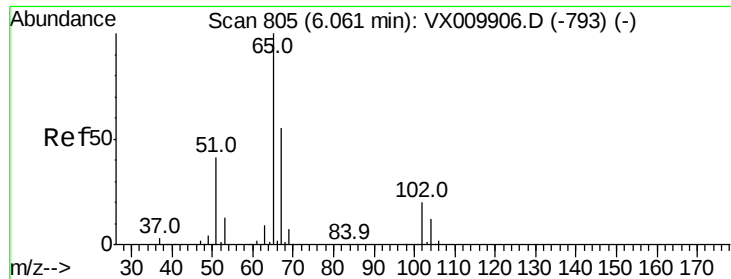
Acq: 28 May 2019 10:44

Tgt Ion:	97	Resp:	57081
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.0	76.4
61	48.9	38.7	58.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 19.457 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 46780

Ion Ratio Lower Upper

65 100

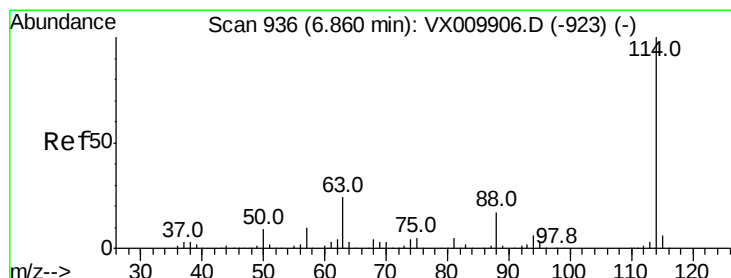
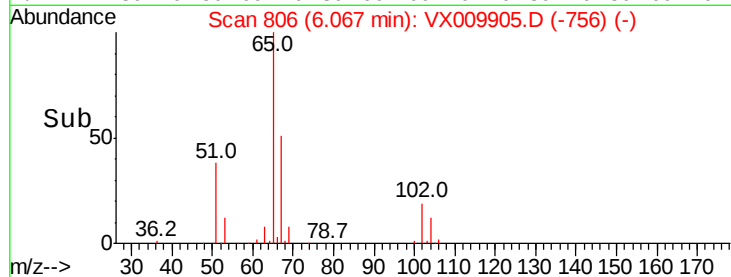
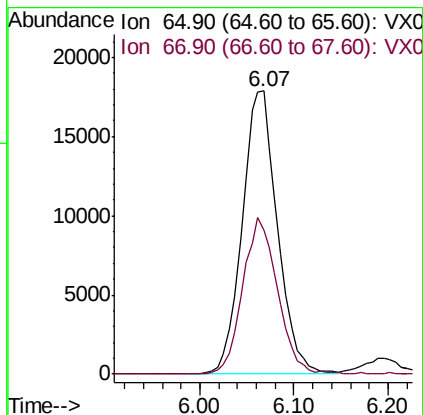
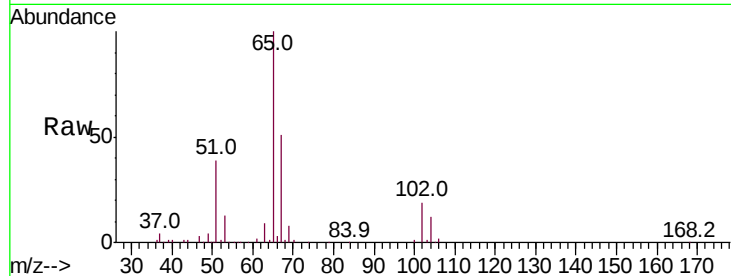
67 54.7 0.0 108.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

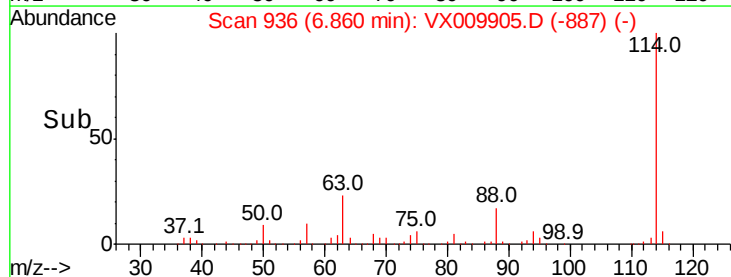
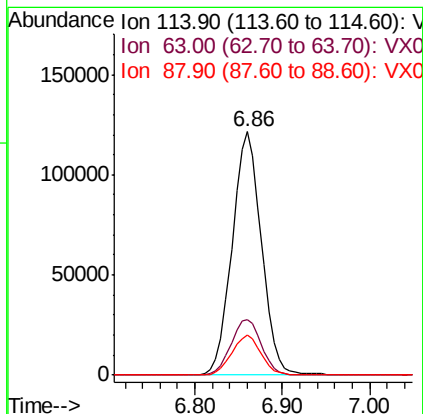
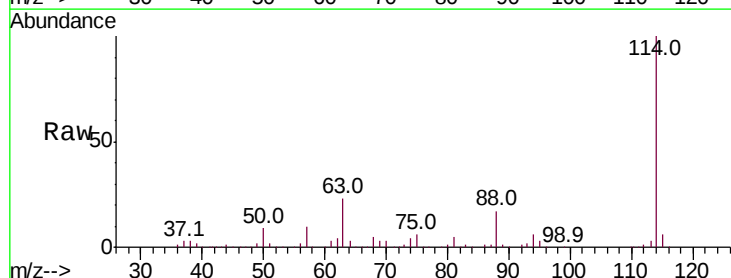
Tgt Ion: 114 Resp: 282499

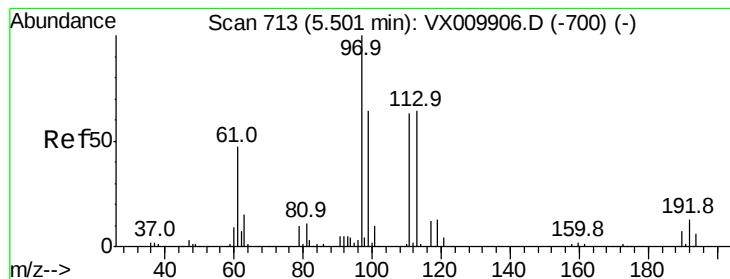
Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.4

88 16.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 19.622 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

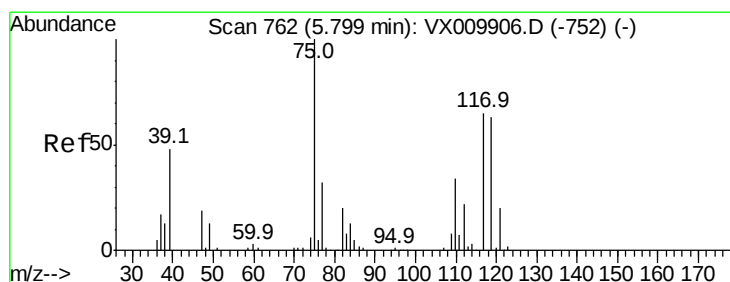
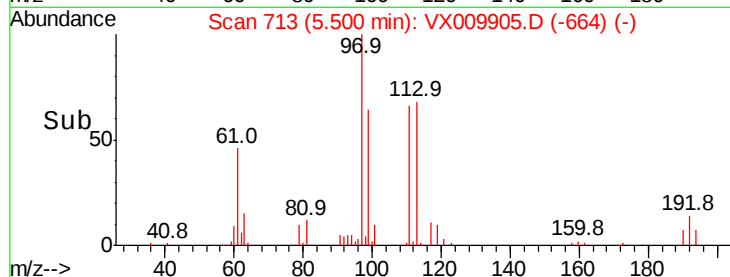
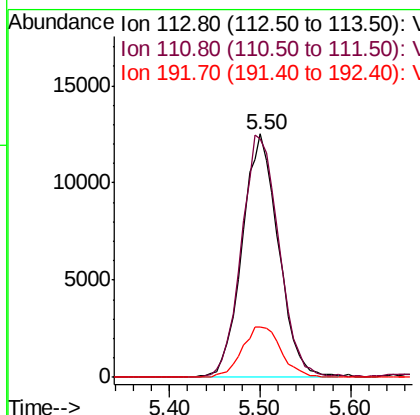
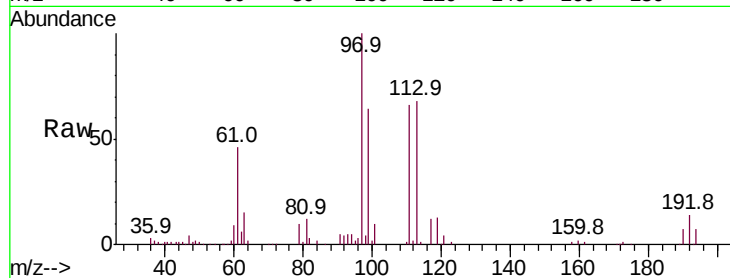
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	34537
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.2
192	22.4	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 20.073 ug/l

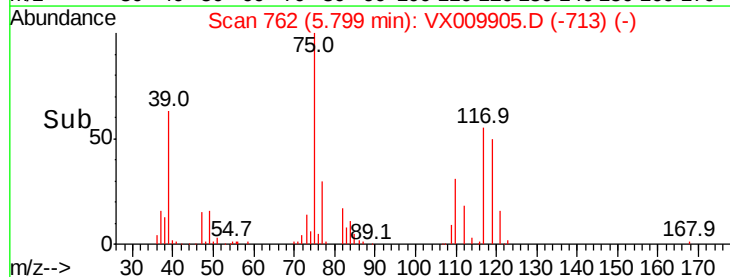
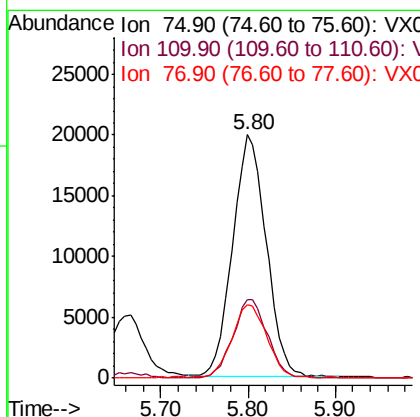
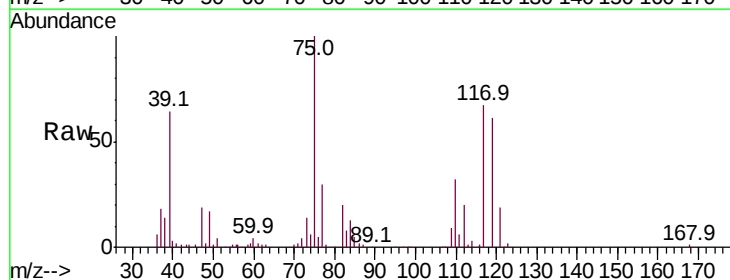
RT: 5.80 min Scan# 762

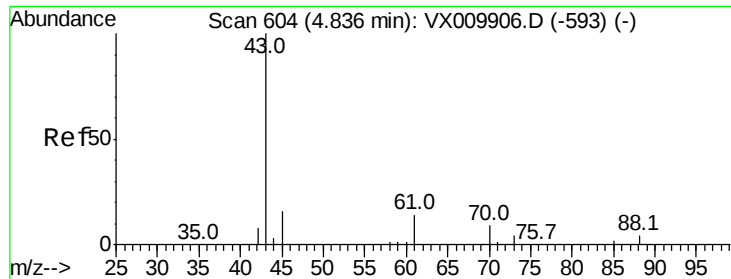
Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion:	75	Resp:	53346
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	31.8	25.0	37.4





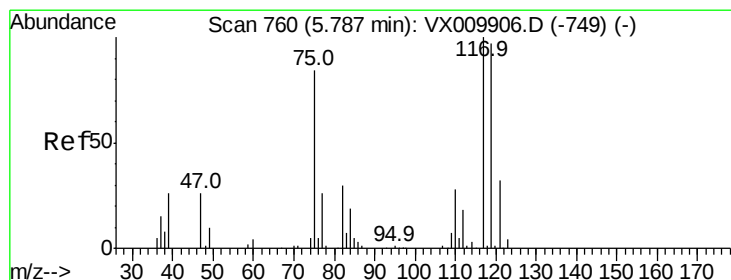
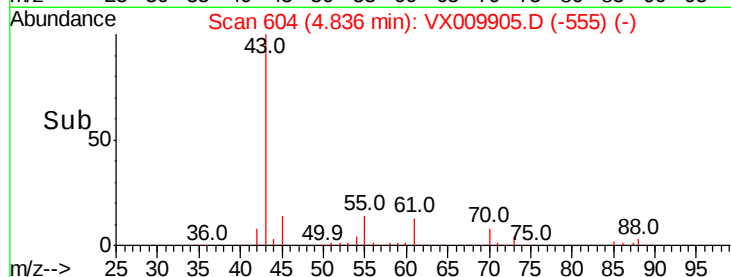
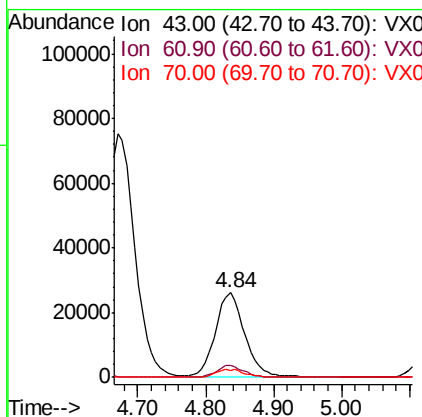
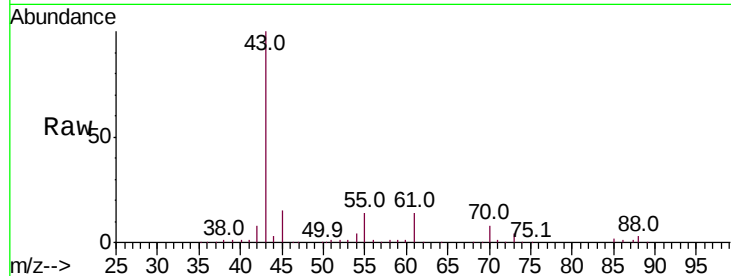
#37
Ethyl Acetate
Concen: 20.848 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.2	15.2
70	9.4	7.4	11.2

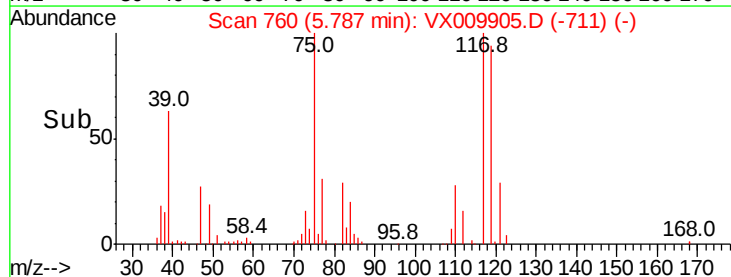
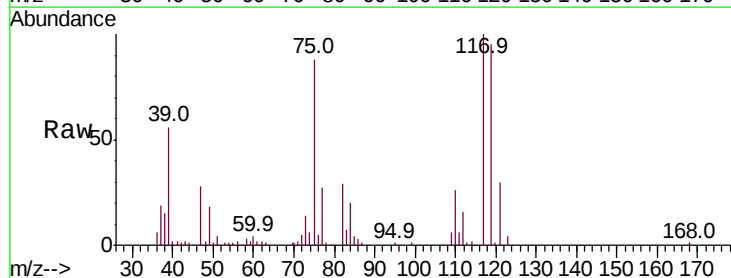
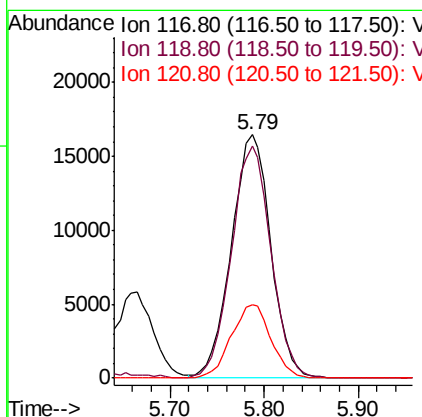
Manual Integrations
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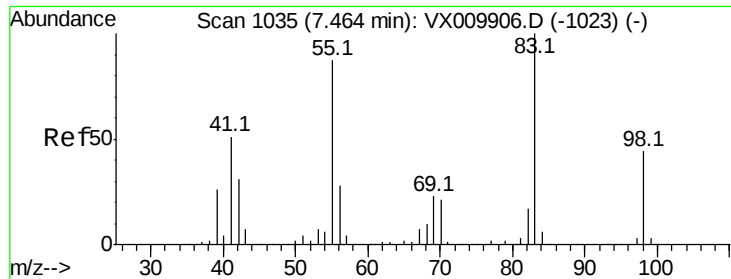
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#38
Carbon Tetrachloride
Concen: 19.960 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.3	115.9
121	30.0	25.4	38.0





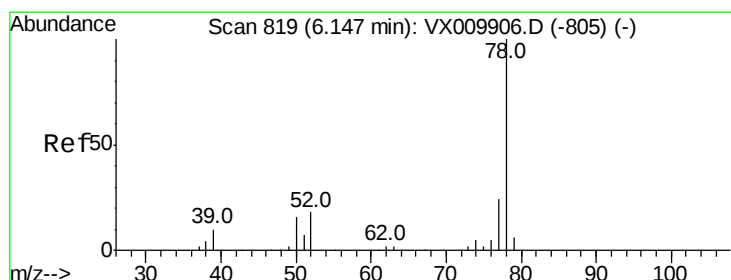
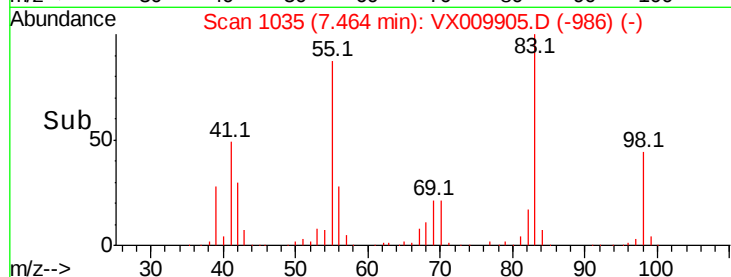
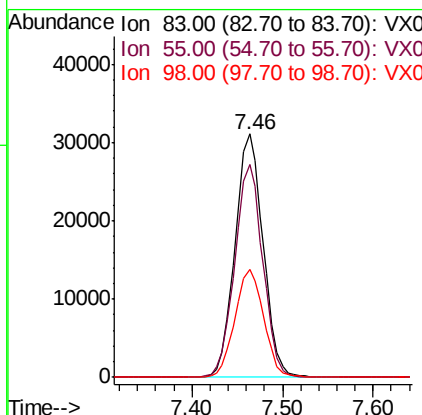
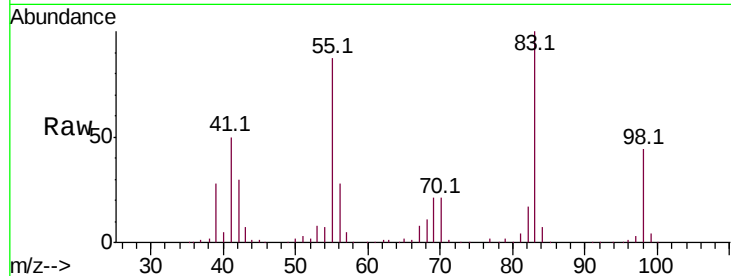
#39
Methvlcvclohexane
Concen: 20.374 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	69.9	104.9
98	44.4	35.1	52.7

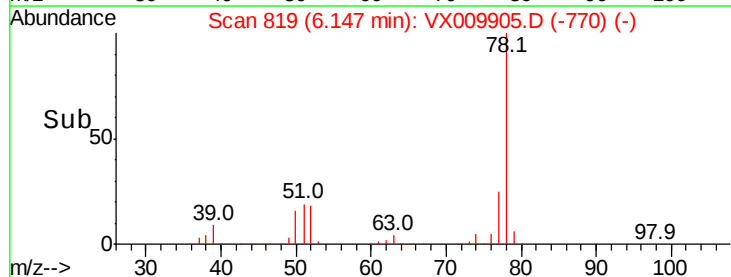
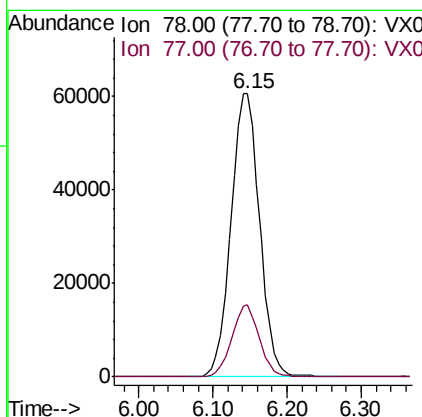
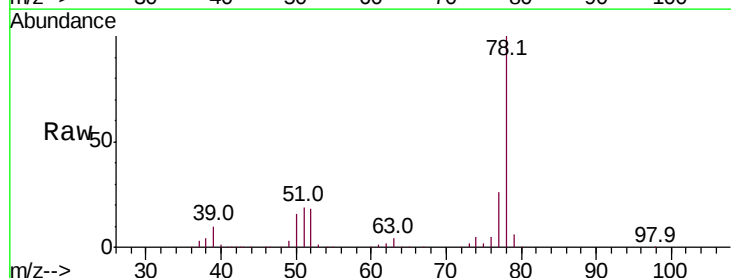
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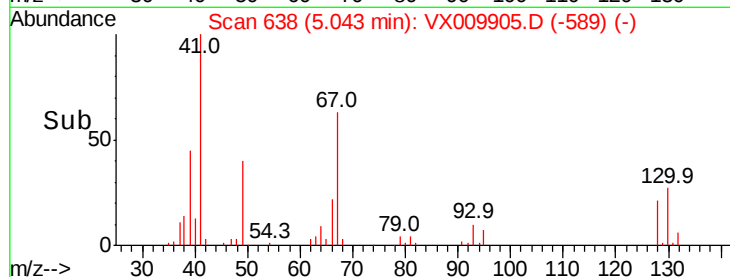
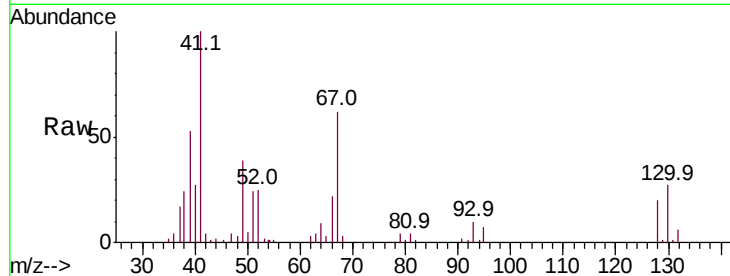
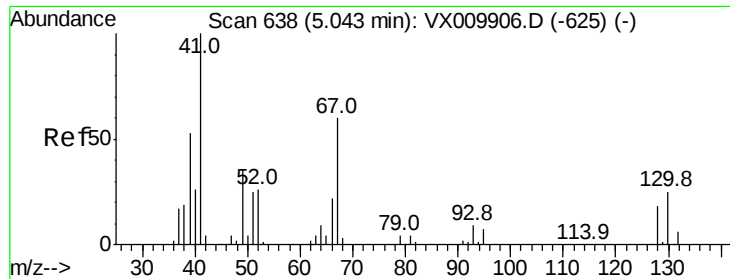
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#40
Benzene
Concen: 19.901 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.2	28.8





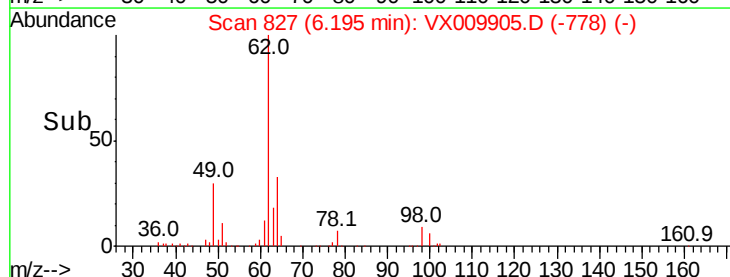
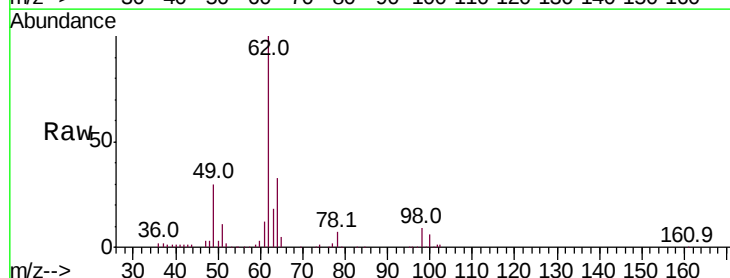
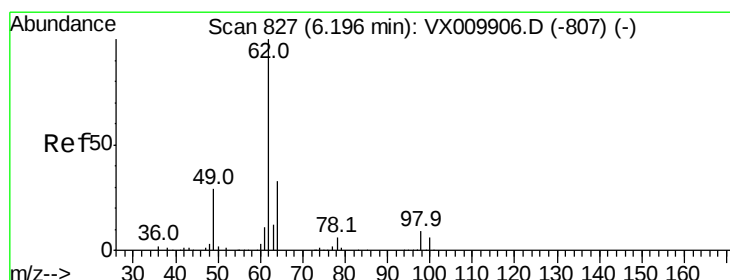
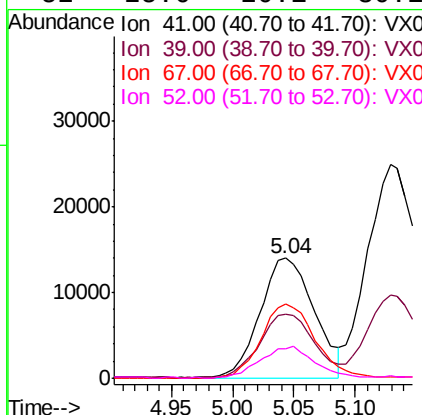
#41
Methacrylonitrile
Concen: 19.693 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	53.9	42.2	63.4
67	67	62.0	48.9	73.3
52	52	25.6	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

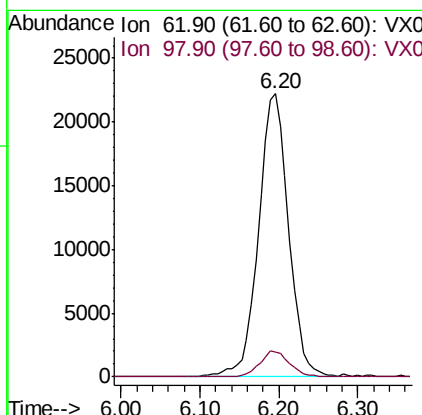
Manual Integrations
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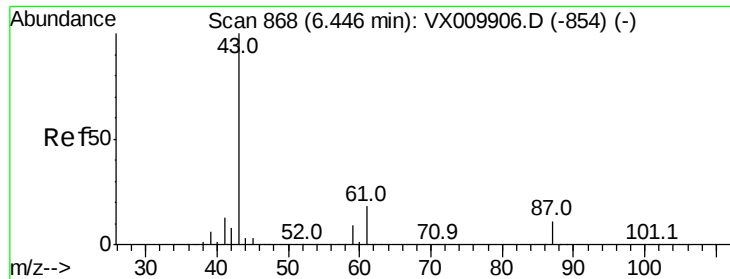
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#42
1,2-Dichloroethane
Concen: 19.895 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.0	0.0	17.2





#43

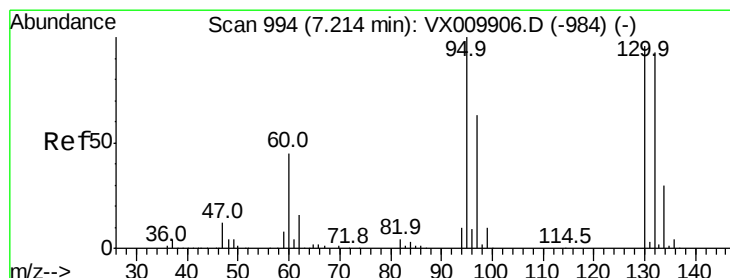
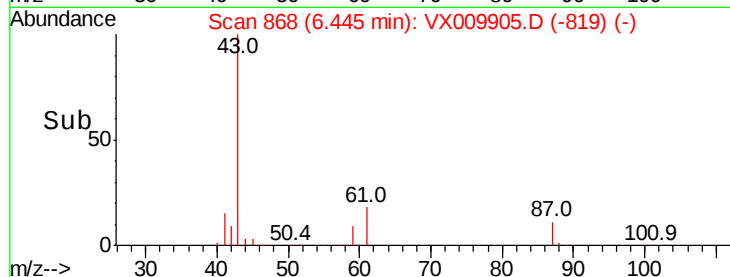
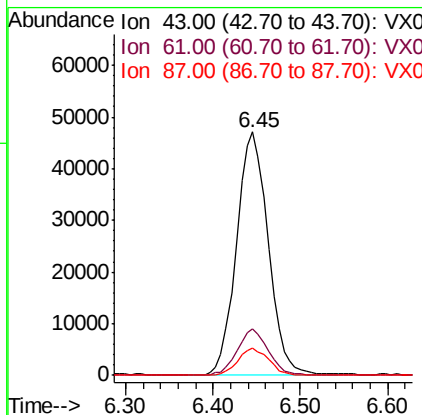
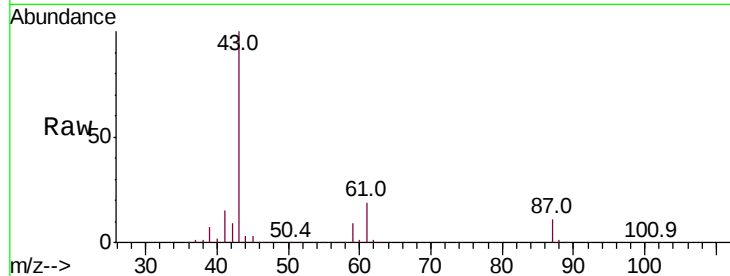
Isopropyl Acetate
 Concen: 19.863 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.6	21.8
87	11.0	8.7	13.1

Manual Integrations
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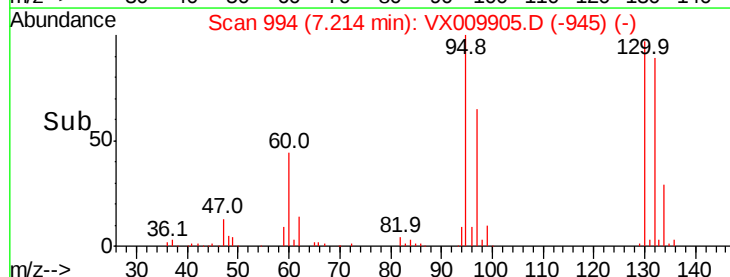
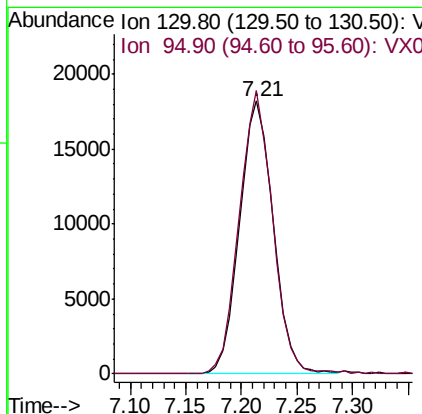
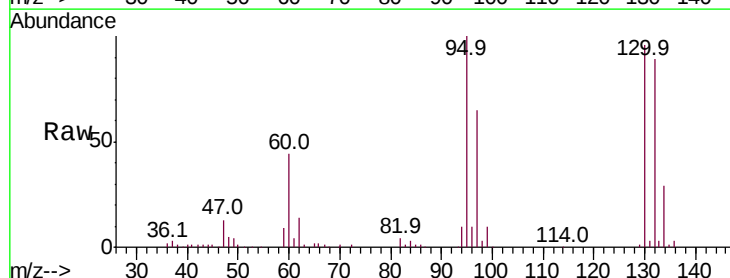
MMDadoda
 5/29/2019 9:24:46 AM

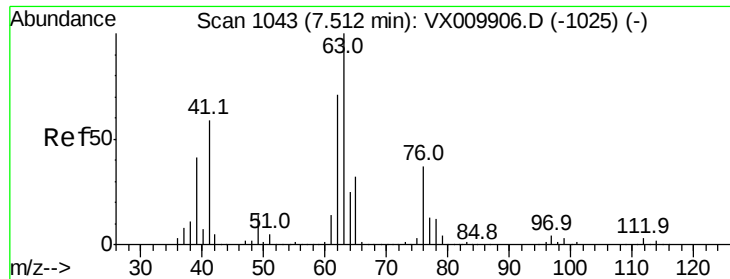


#44

Trichloroethene
 Concen: 19.381 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	207.4





#45

1,2-Dichloropropane

Concen: 19.926 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 46282

Ion Ratio Lower Upper

63 100

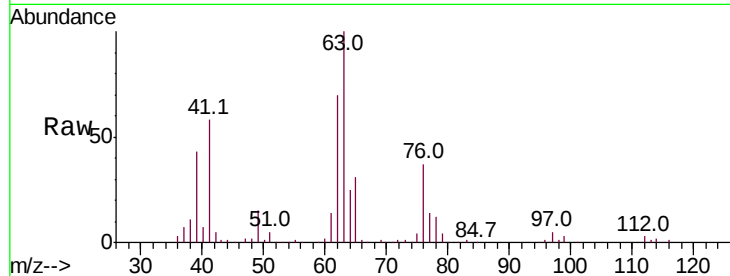
65 30.9 25.7 38.5

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

10000

5000

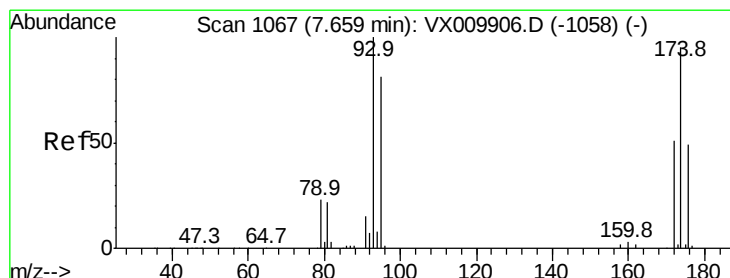
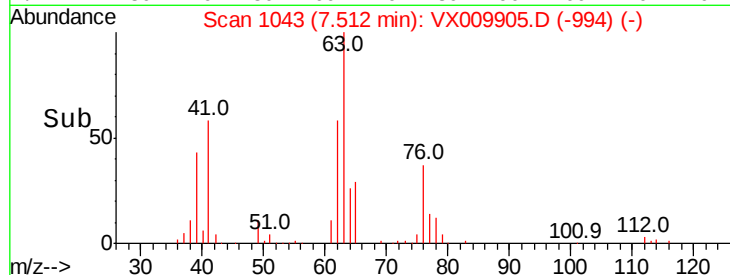
0

Time-->

7.40

7.50

7.60



#46

Dibromomethane

Concen: 19.320 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

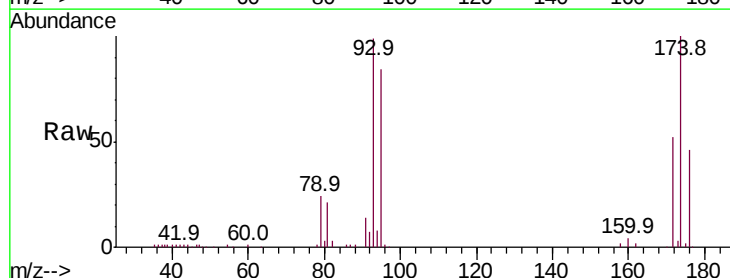
Tgt Ion: 93 Resp: 26045

Ion Ratio Lower Upper

93 100

95 83.2 66.8 100.2

174 103.6 81.9 122.9



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

15000

10000

5000

0

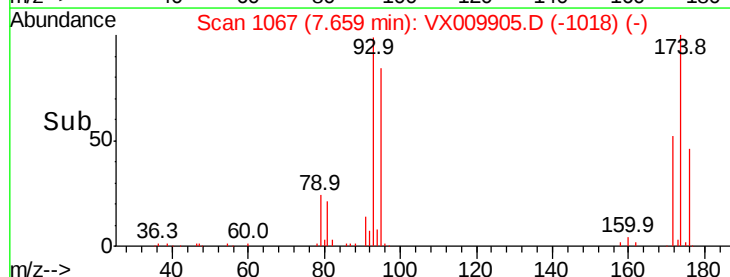
Time-->

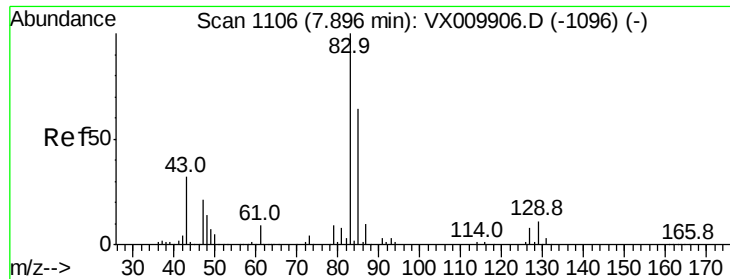
7.60

7.65

7.70

7.75





#47

Bromodichloromethane

Concen: 19.311 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

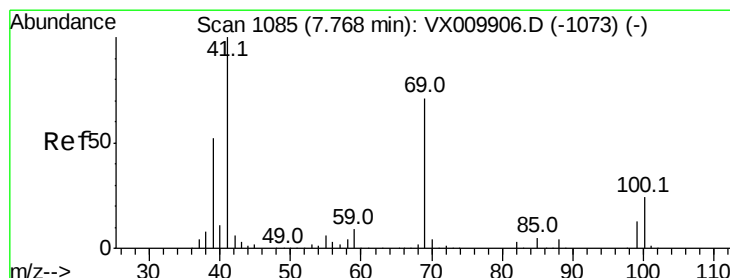
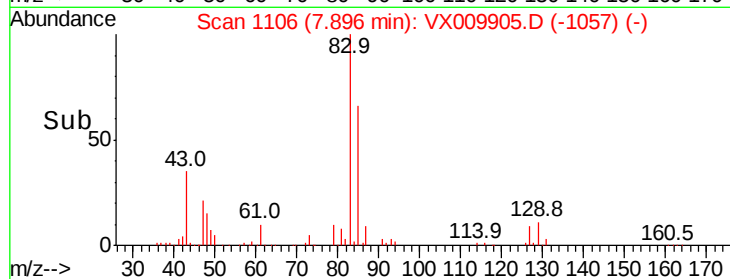
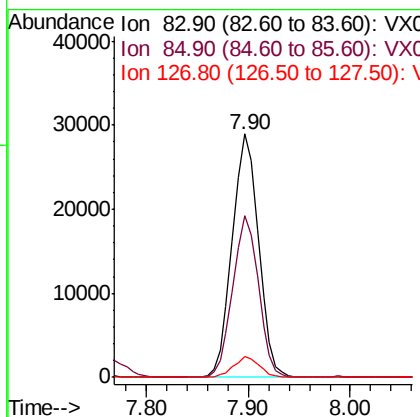
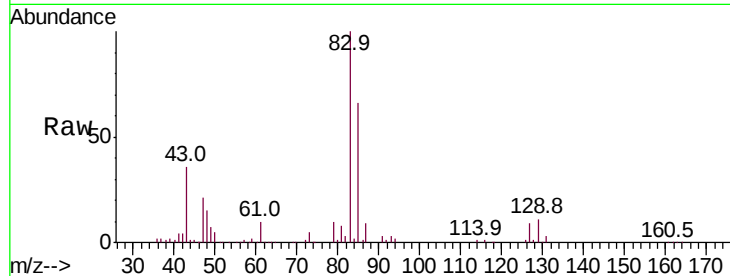
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	51833
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.2
127	8.7	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.526 ug/l

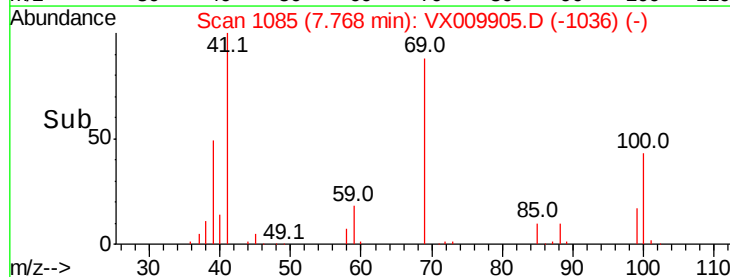
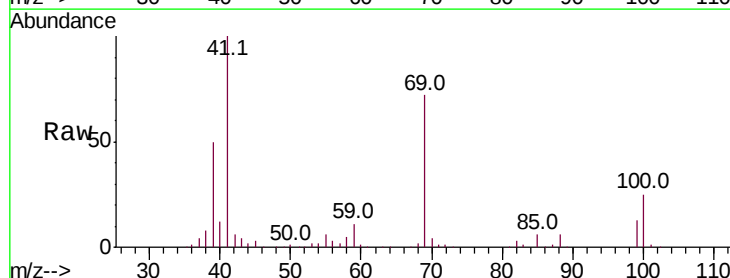
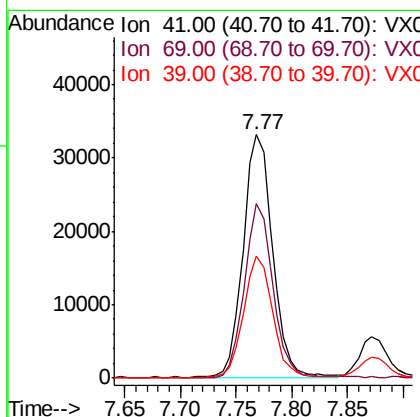
RT: 7.77 min Scan# 1085

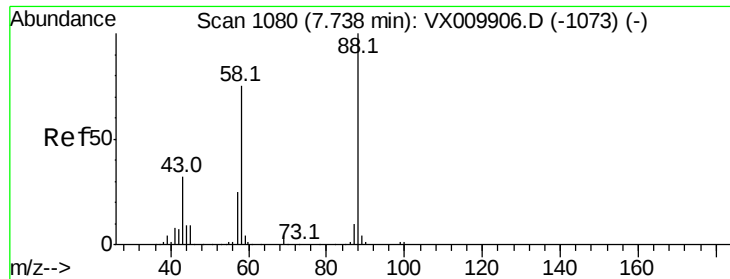
Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion:	41	Resp:	60706
Ion	Ratio	Lower	Upper
41	100		
69	70.5	56.4	84.6
39	50.7	40.6	60.8





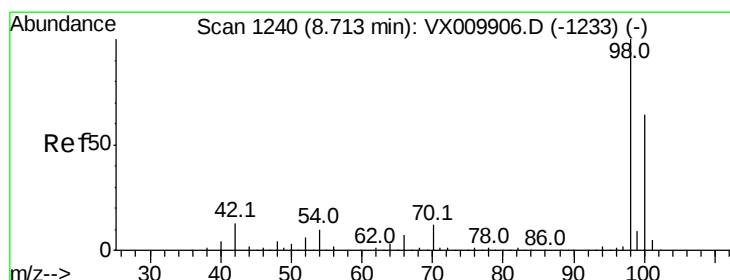
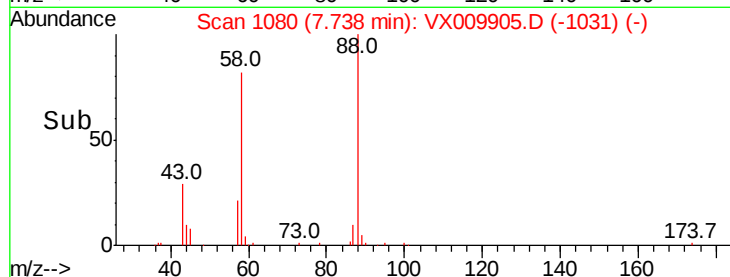
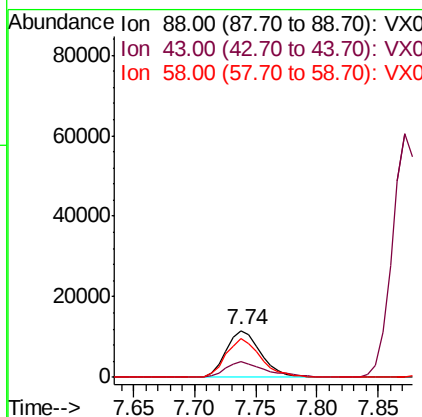
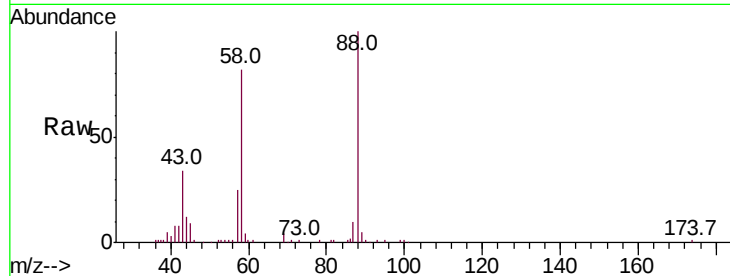
#49
1,4-Dioxane
Concen: 394.528 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	30.2	45.4
58	82.5	64.0	96.0

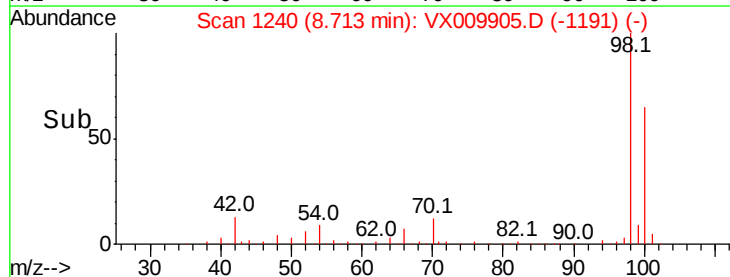
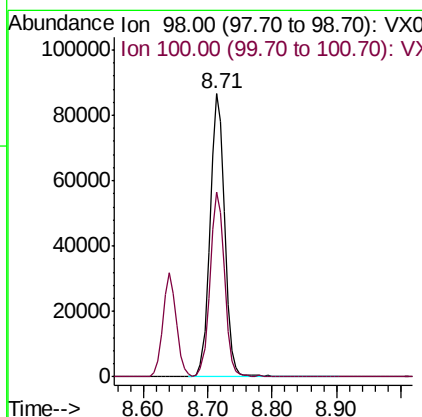
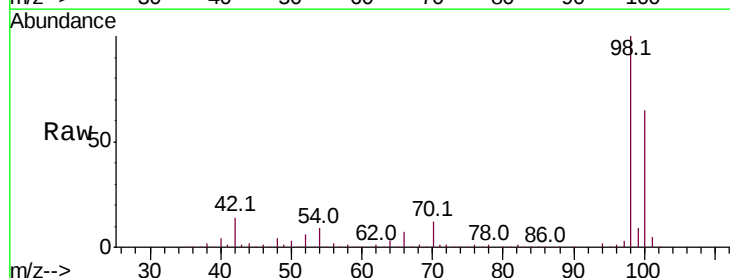
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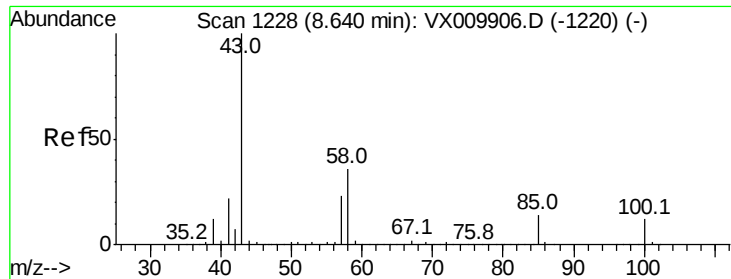
MMDadoda
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#50
Toluene-d8
Concen: 19.487 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 102.649 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 399622

Ion Ratio Lower Upper

43 100

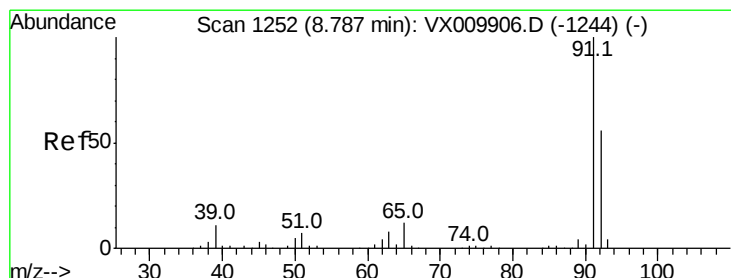
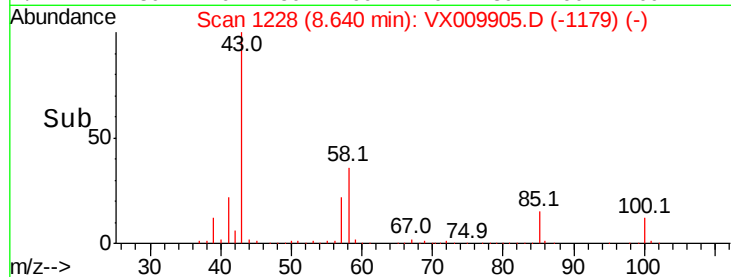
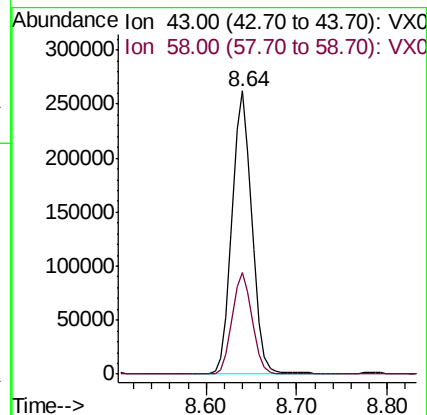
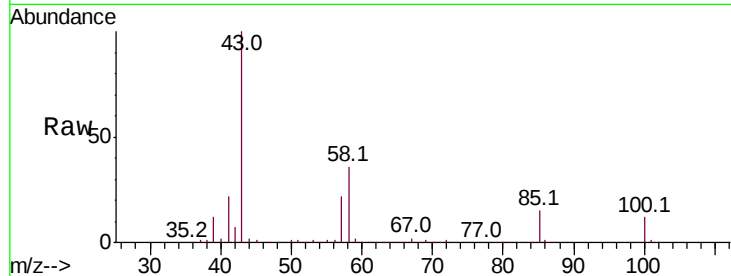
58 35.8 28.8 43.2

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#52

Toluene

Concen: 19.639 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009905.D

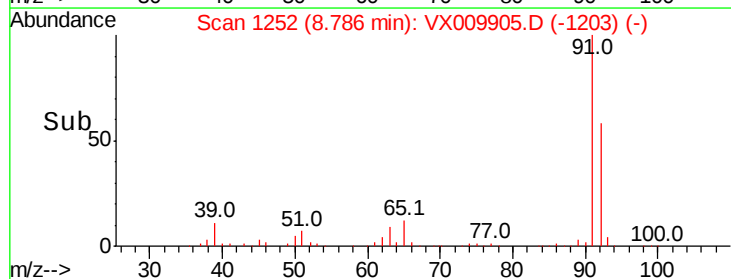
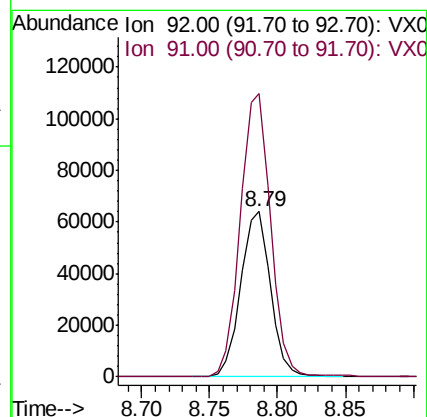
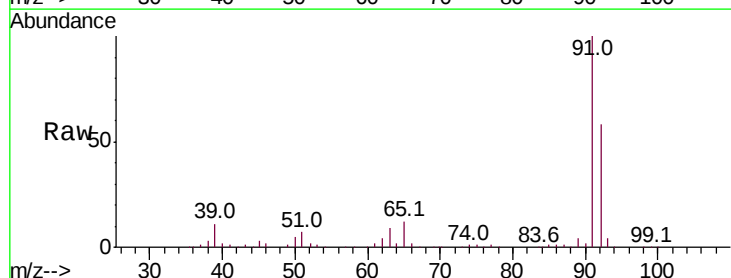
Acq: 28 May 2019 10:44

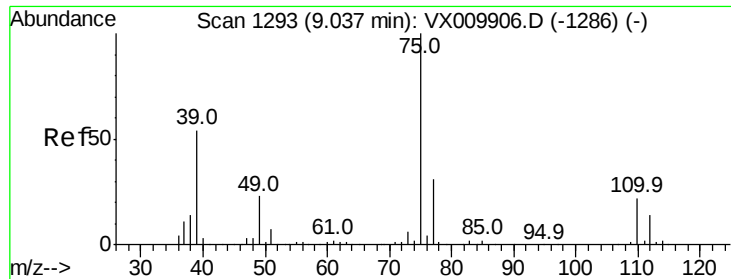
Tgt Ion: 92 Resp: 97967

Ion Ratio Lower Upper

92 100

91 176.1 139.9 209.9





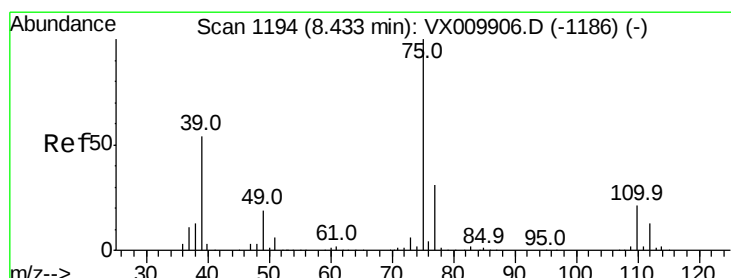
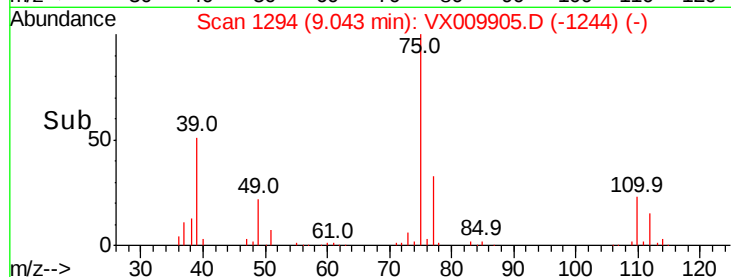
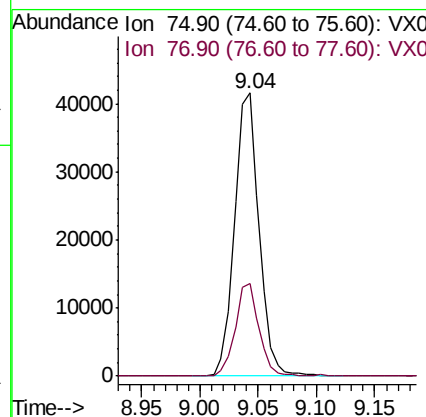
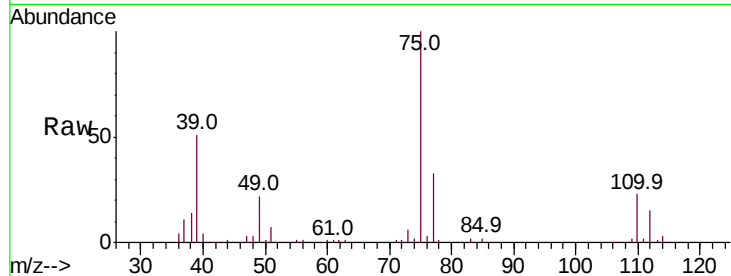
#53
 t-1,3-Dichloropropene
 Concen: 19.937 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 60900
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.6 36.8

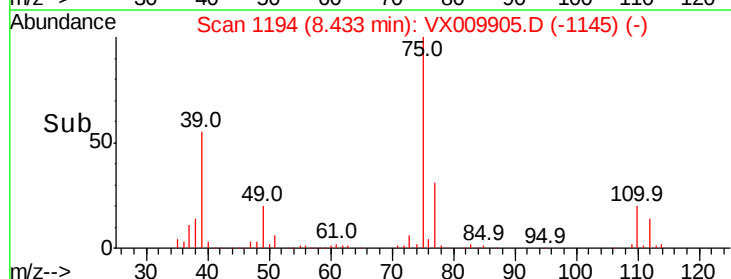
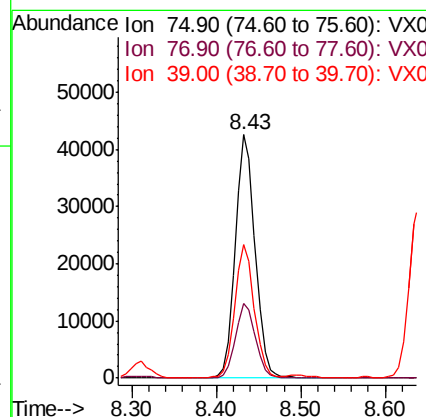
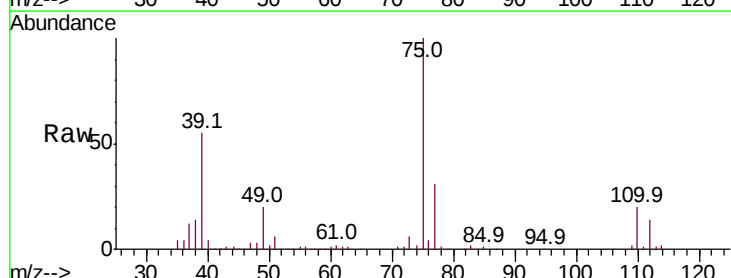
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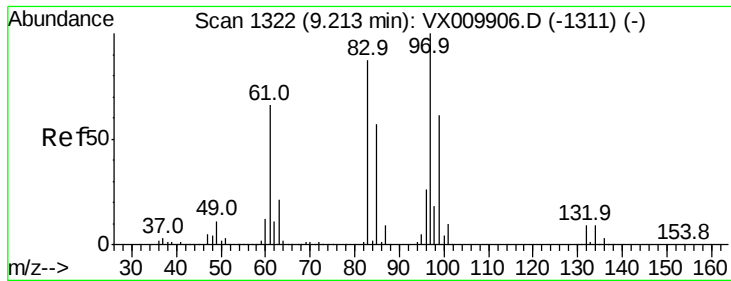
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.185 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion: 75 Resp: 67980
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.8 37.2
 39 54.9 43.4 65.0





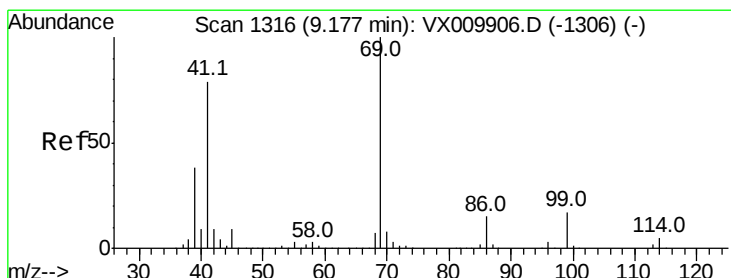
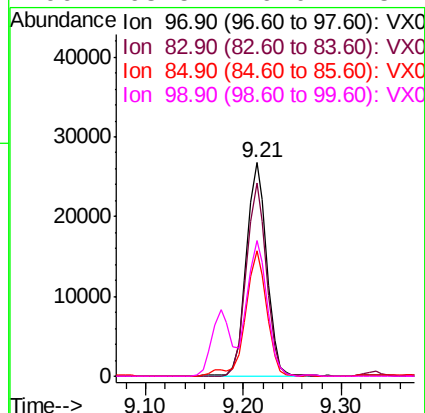
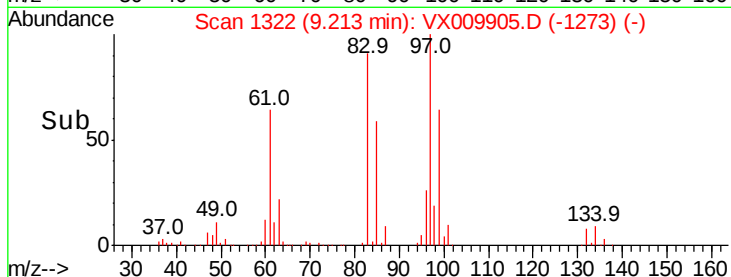
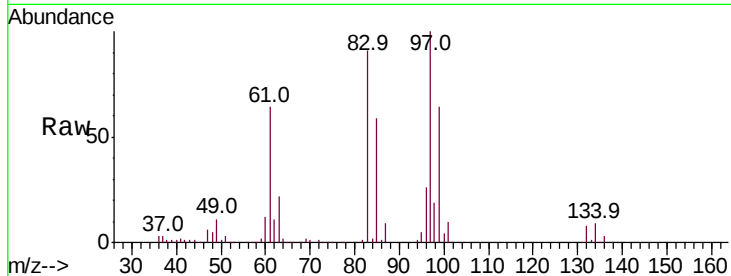
#55
 1,1,2-Trichloroethane
 Concen: 19.348 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	39174
Ion	Ratio	Lower	Upper
97	100		
83	90.6	69.8	104.8
85	58.9	45.3	67.9
99	63.5	49.0	73.4

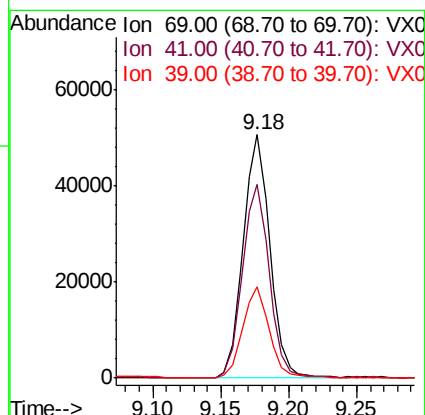
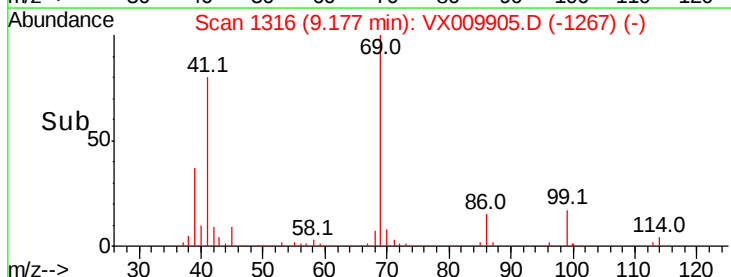
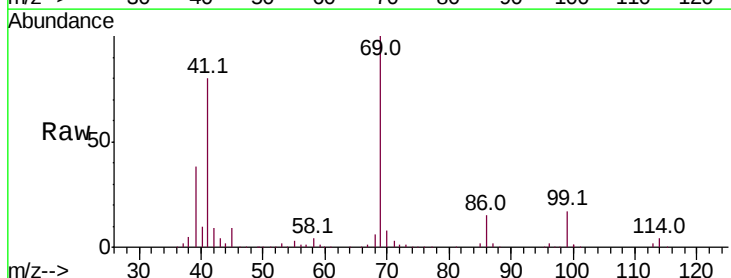
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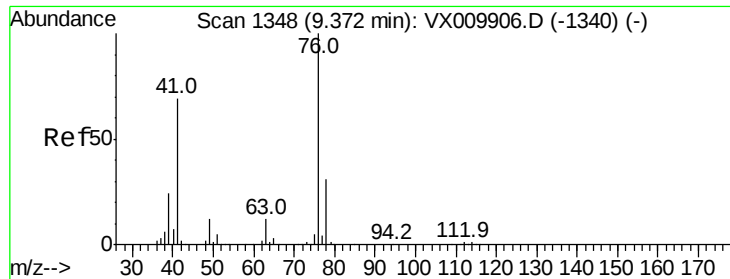
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#56
 Ethyl methacrylate
 Concen: 19.148 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion:	69	Resp:	69700
Ion	Ratio	Lower	Upper
69	100		
41	79.3	62.7	94.1
39	36.8	29.5	44.3





#57

1,3-Dichloropropane

Concen: 19.726 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 70594

Ion Ratio Lower Upper

76 100

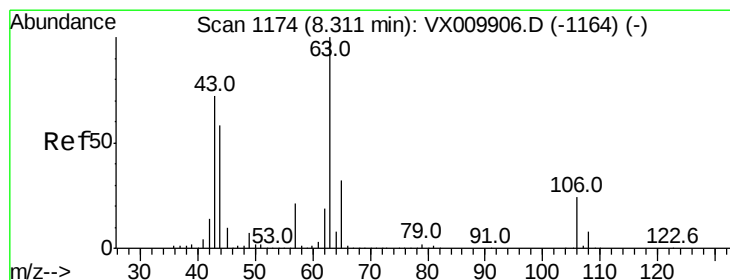
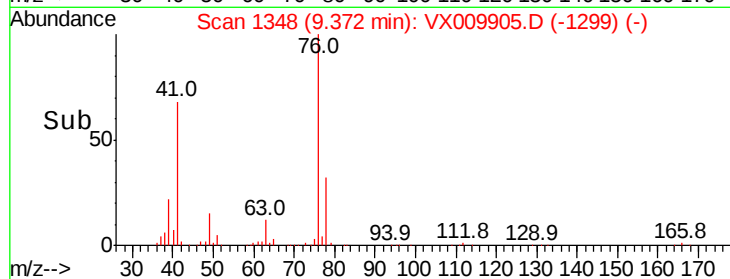
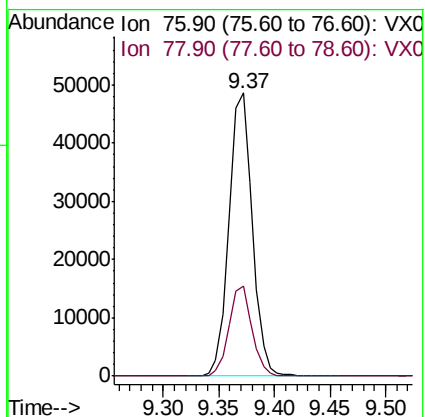
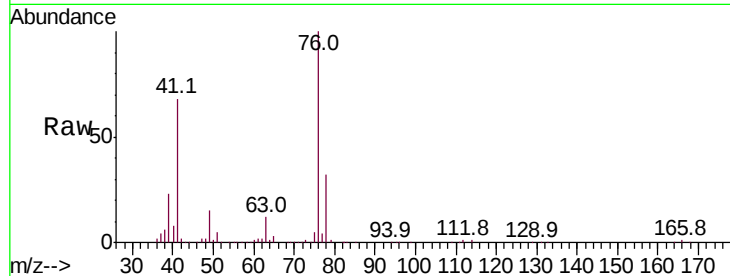
78 31.3 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 99.529 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009905.D

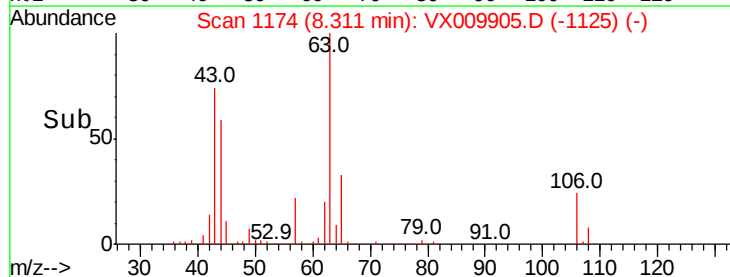
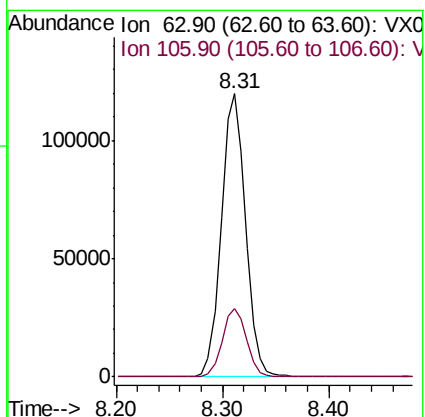
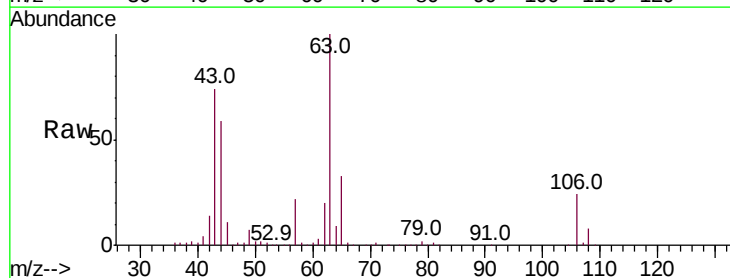
Acq: 28 May 2019 10:44

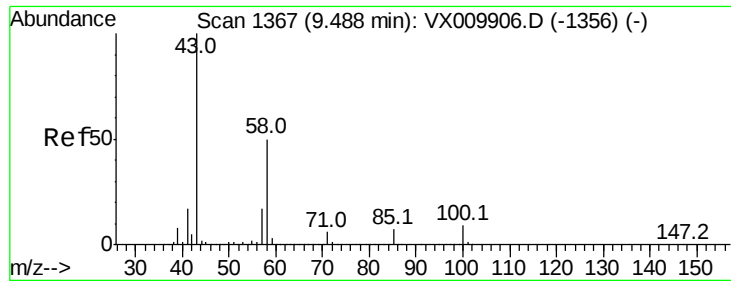
Tgt Ion: 63 Resp: 190207

Ion Ratio Lower Upper

63 100

106 24.3 19.4 29.2





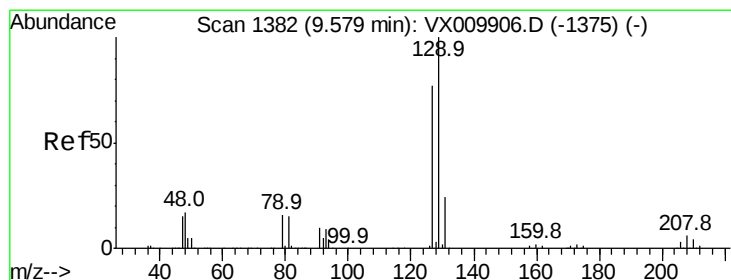
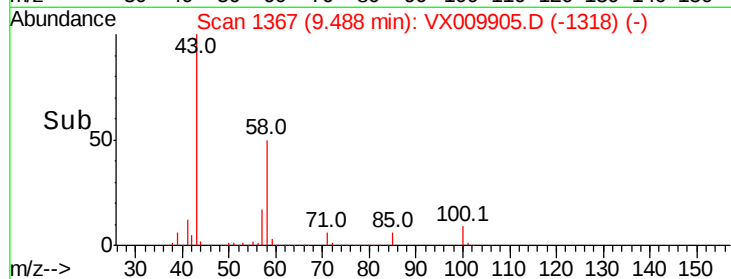
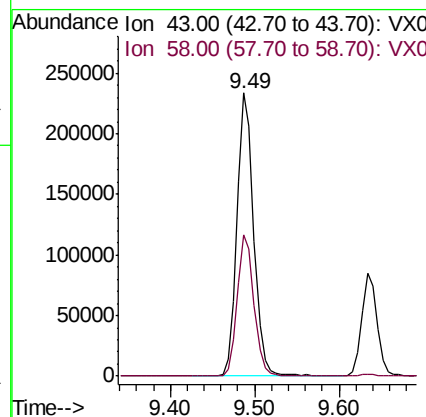
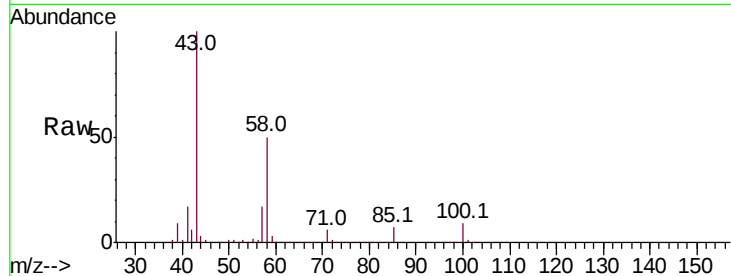
#59
2-Hexanone
Concen: 103.166 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 315150
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.3

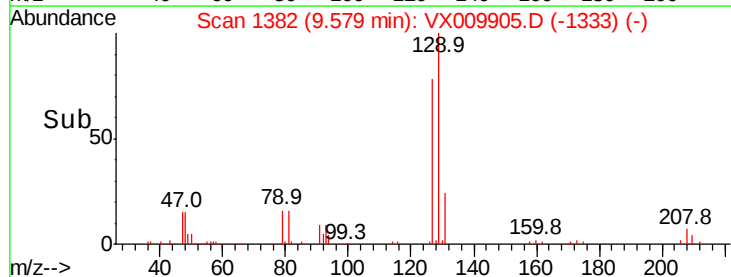
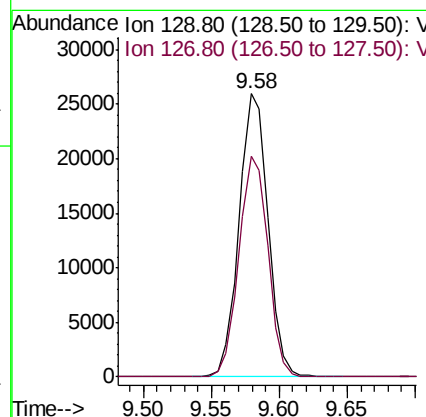
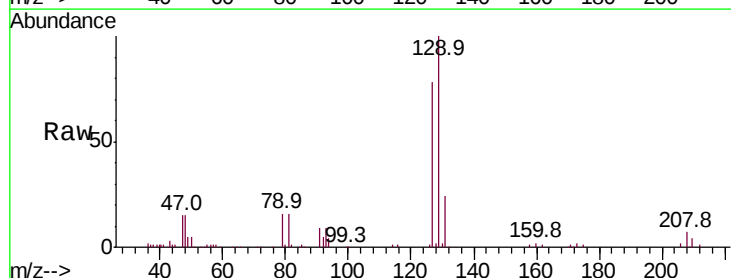
Manual Integrations
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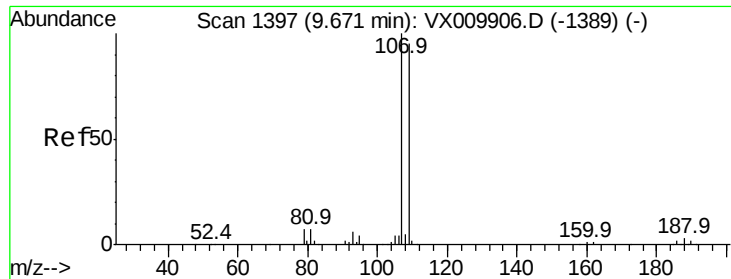
MMDadoda
5/29/2019 9:24:46 AM



#60
Dibromochloromethane
Concen: 19.376 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion: 129 Resp: 38463
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.636 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 40197

Ion Ratio Lower Upper

107 100

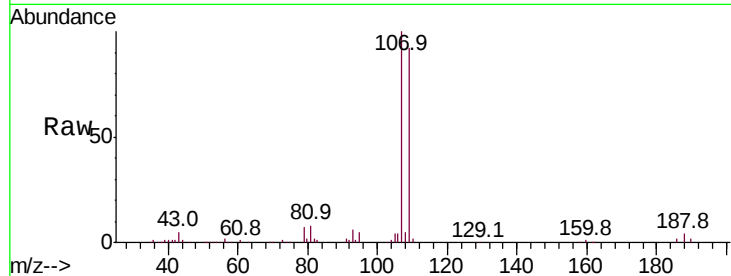
109 93.2 75.4 113.2

Manual Integrations

APPROVED

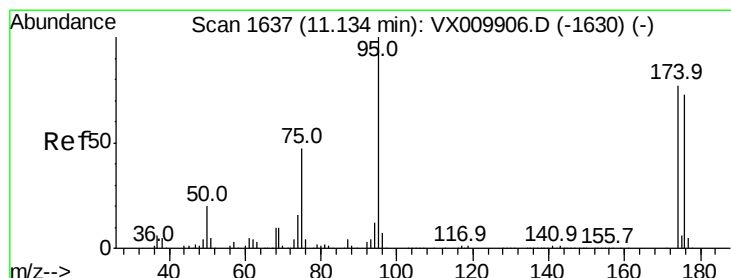
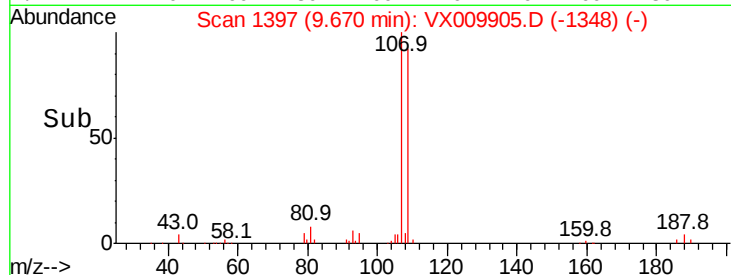
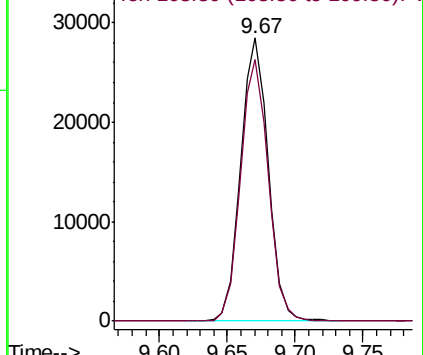
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.833 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

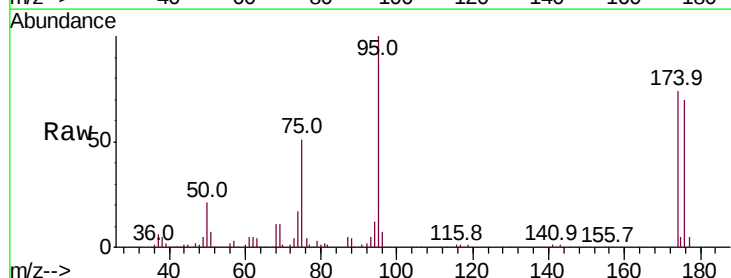
Tgt Ion: 95 Resp: 48865

Ion Ratio Lower Upper

95 100

174 80.4 0.0 160.4

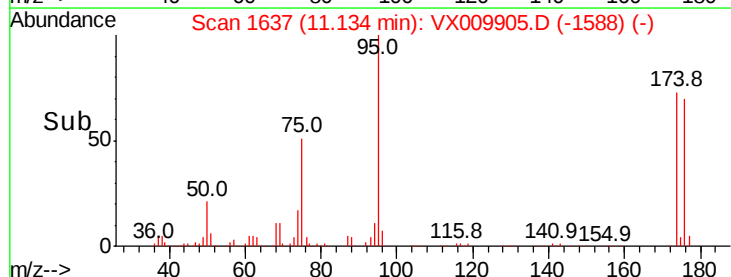
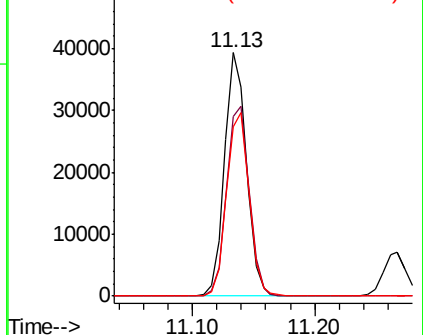
176 76.8 0.0 154.6

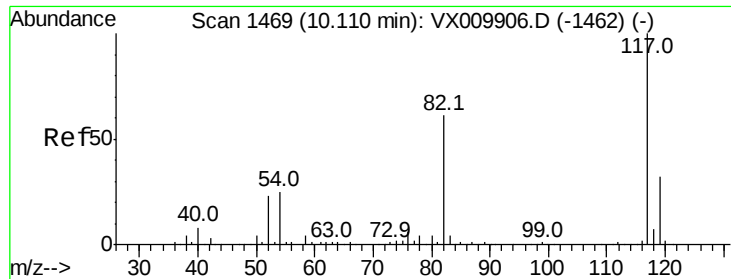


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





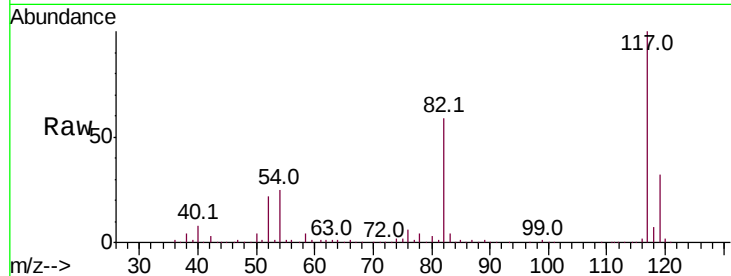
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254428		
82	59.1	49.2	73.8	
119	31.7	25.2	37.8	

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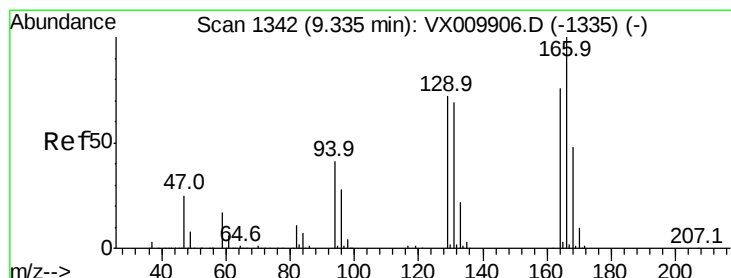
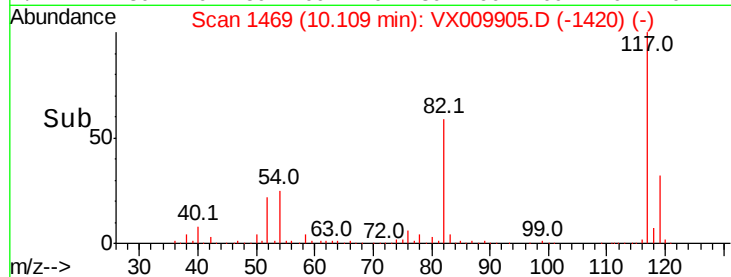
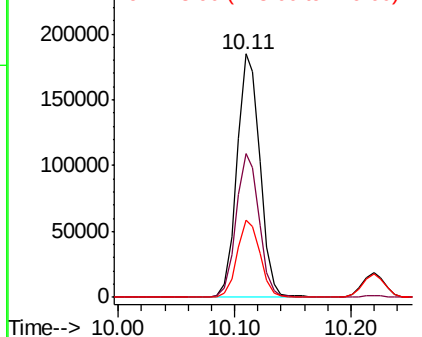


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.721 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34685		
166	130.5	105.0	157.4	
129	93.5	75.1	112.7	
131	91.7	72.2	108.4	

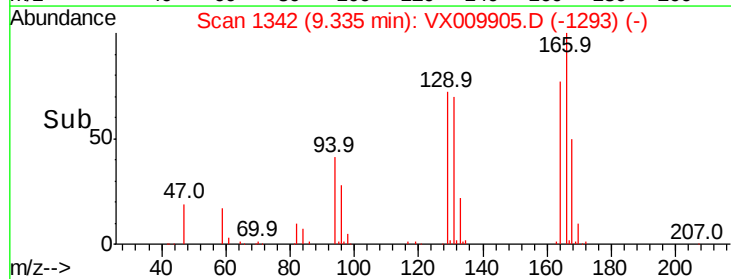
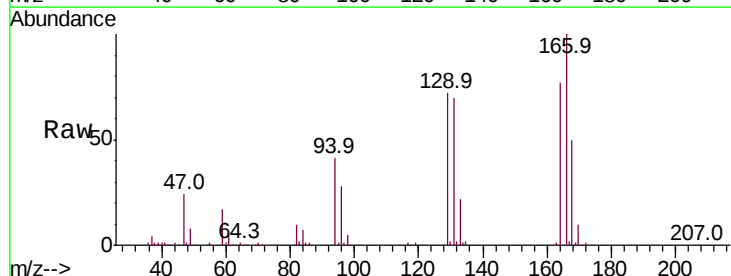
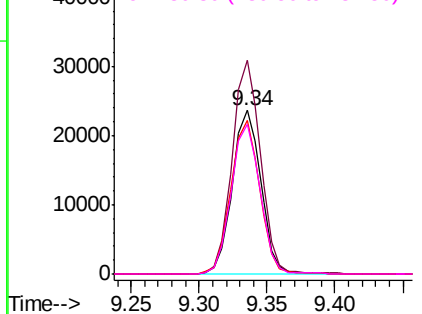
Abundance

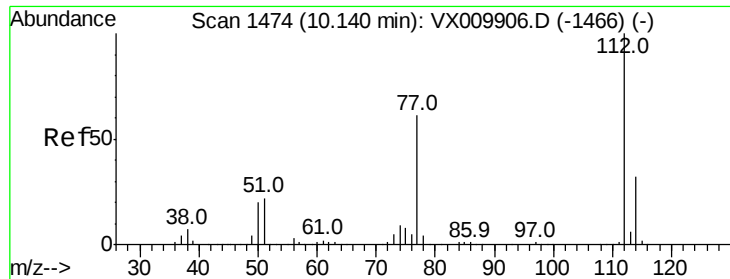
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.485 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 99783

Ion Ratio Lower Upper

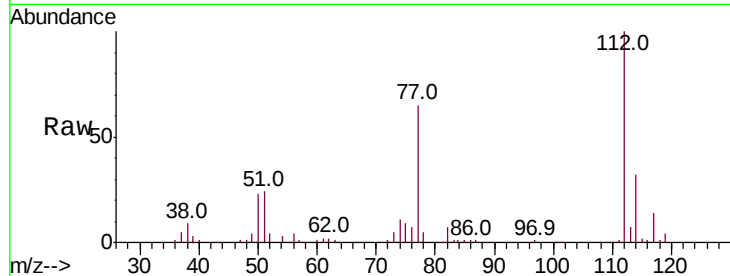
112 100

114 32.1 25.8 38.8

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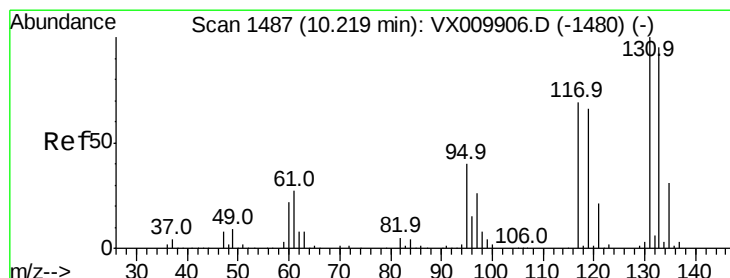
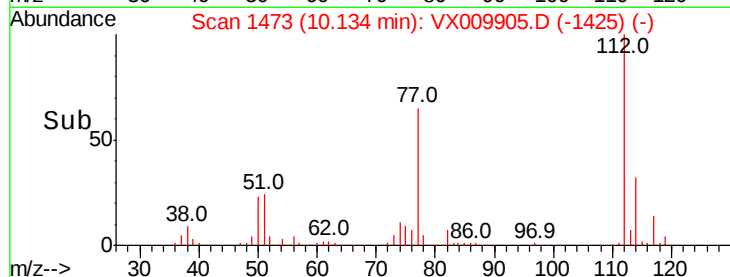
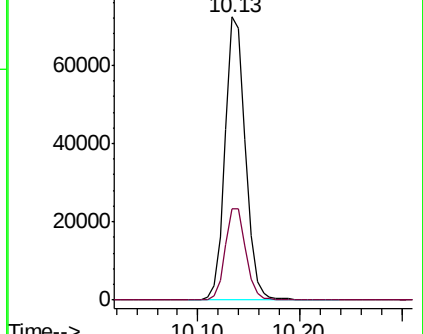
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.252 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

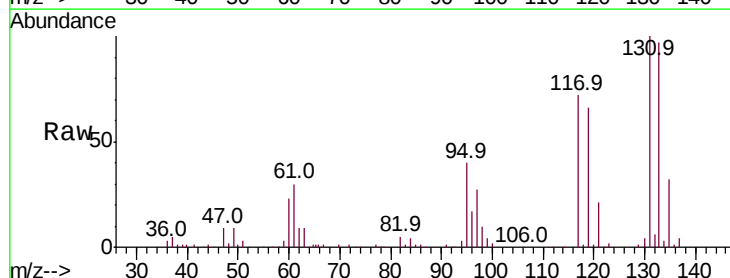
Tgt Ion:131 Resp: 35697

Ion Ratio Lower Upper

131 100

133 96.3 47.5 142.6

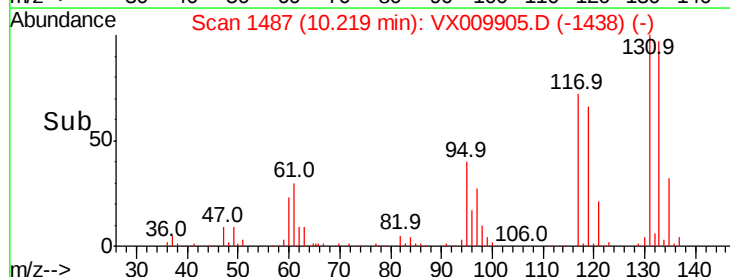
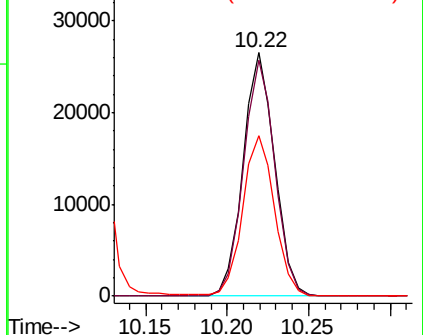
119 66.8 33.4 100.1

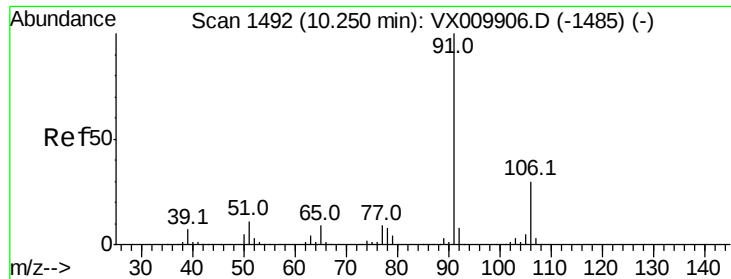


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.774 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 186433

Ion Ratio Lower Upper

91 100

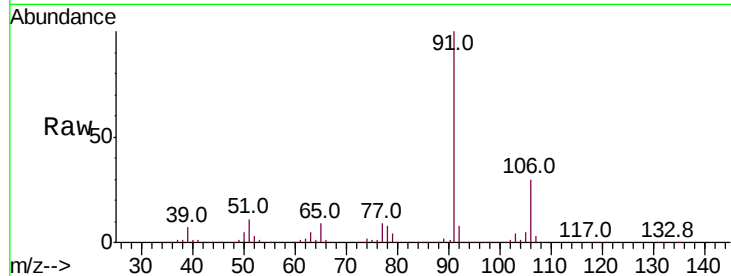
106 30.1 23.9 35.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009906.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX009906.D (-1485) (-)

250000

200000

150000

100000

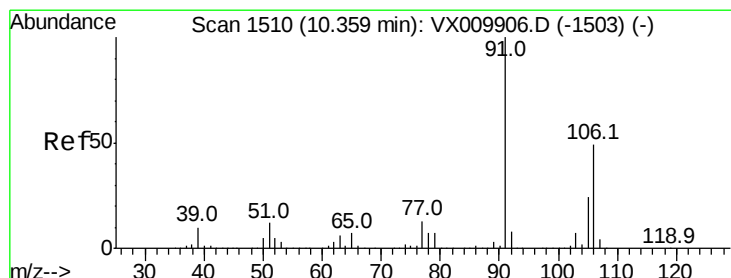
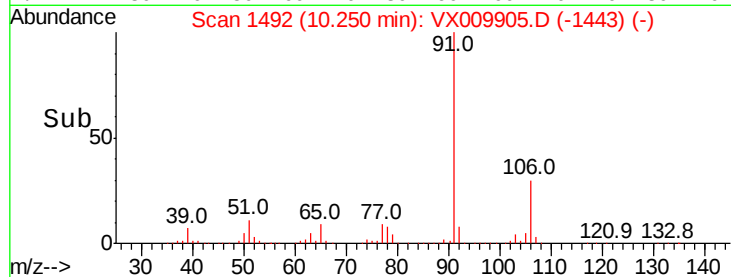
50000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 40.095 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009905.D

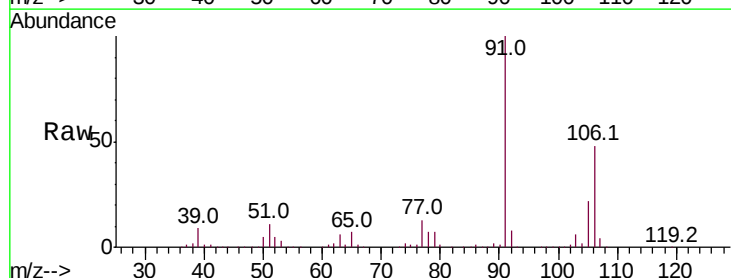
Acq: 28 May 2019 10:44

Tgt Ion:106 Resp: 138272

Ion Ratio Lower Upper

106 100

91 207.4 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VX009906.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX009906.D (-1503) (-)

250000

200000

150000

100000

50000

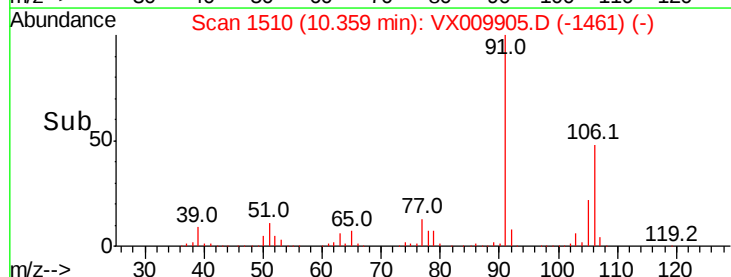
0

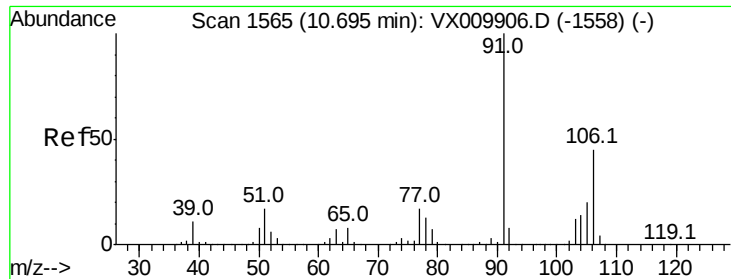
10.30

10.40

10.50

Time-->





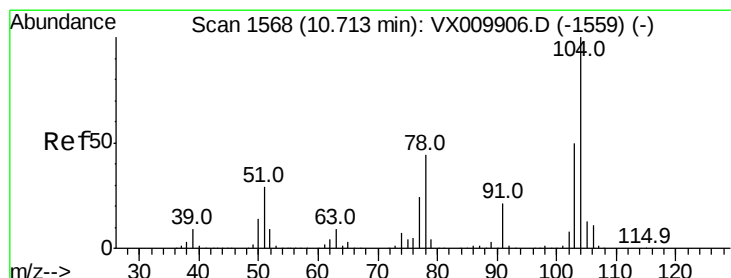
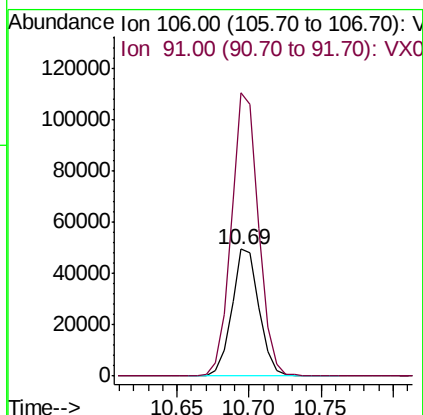
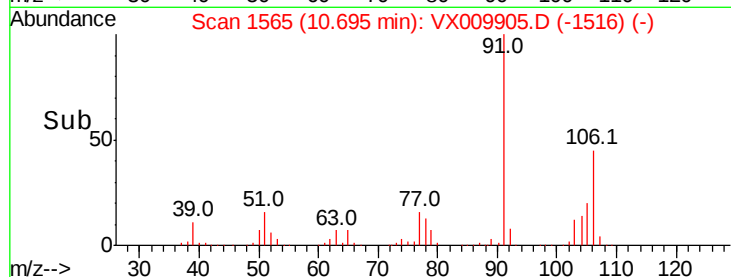
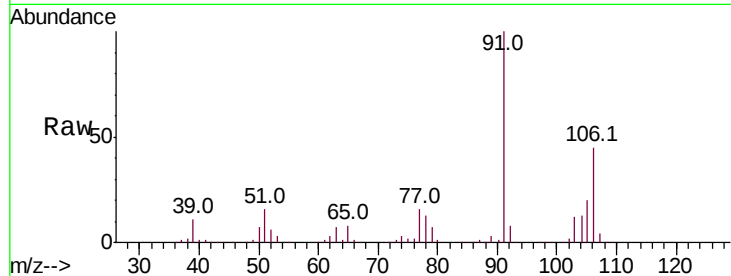
#69
o-Xylene
Concen: 19.314 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 65675
Ion Ratio Lower Upper
106 100
91 222.6 110.4 331.2

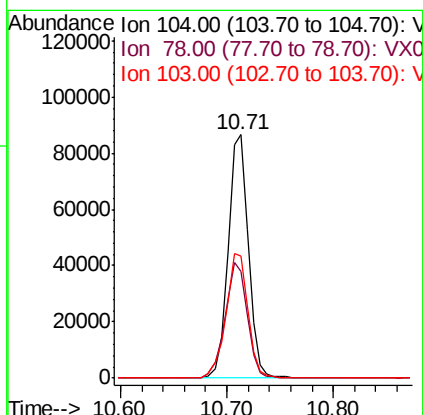
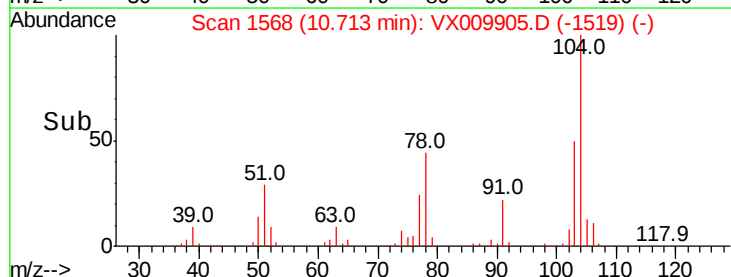
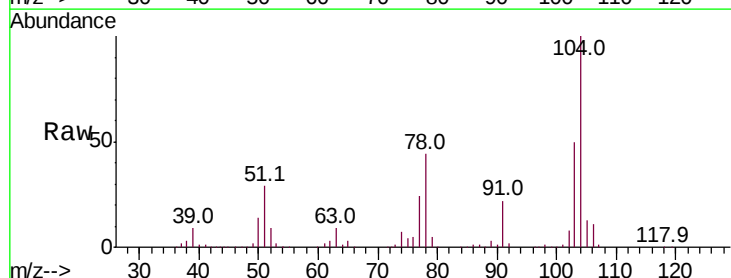
Manual Integrations
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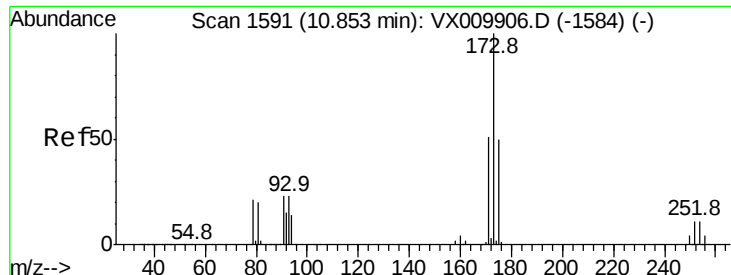
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#70
Styrene
Concen: 19.620 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion:104 Resp: 115660
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 55.4 44.1 66.1





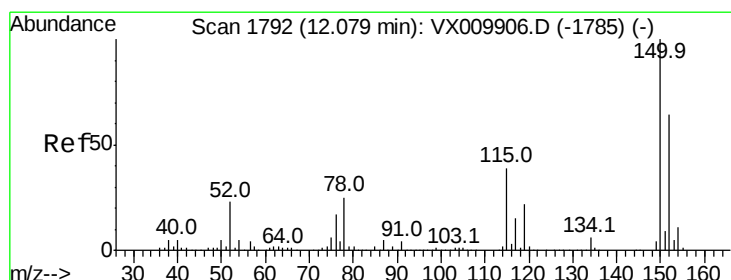
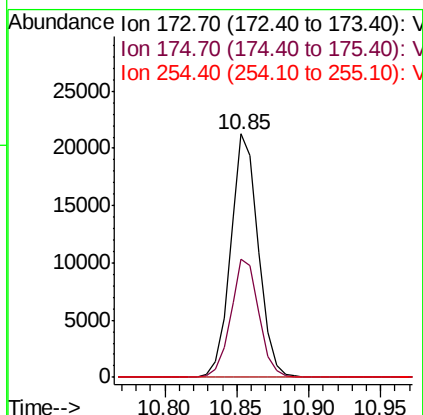
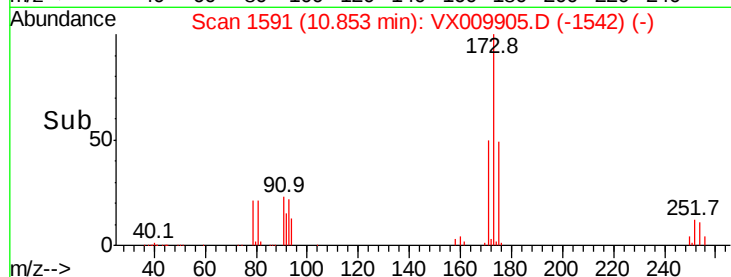
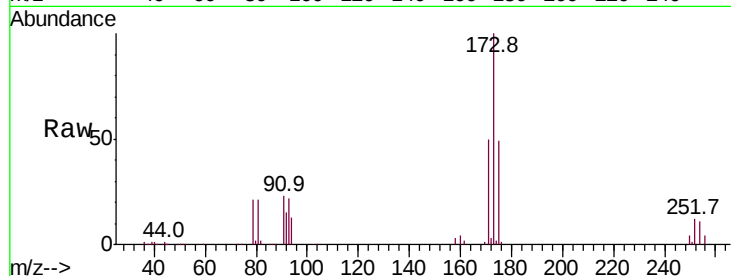
#71
Bromoform
Concen: 18.873 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	25.0	75.0
254	0.0	0.2	0.2

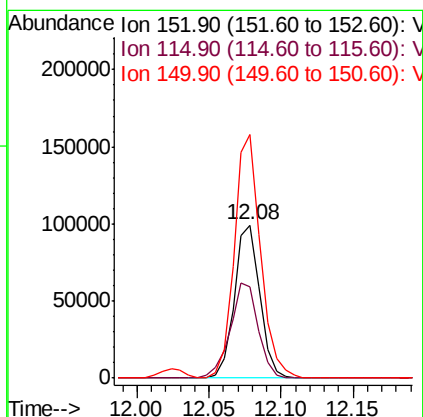
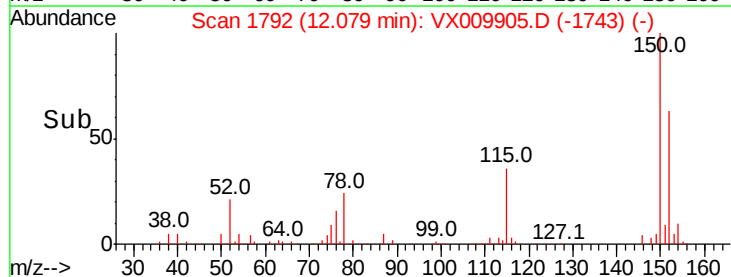
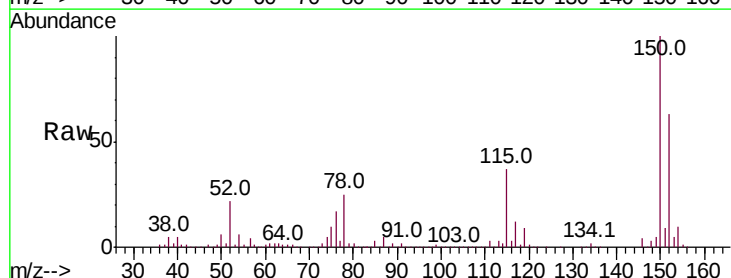
Manual Integrations
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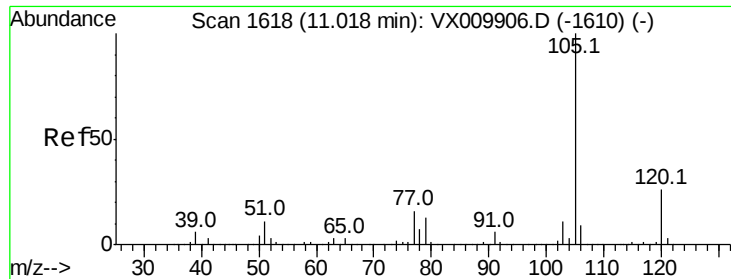
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.6	41.4	124.2
150	163.6	0.0	345.2





#73

Isopropylbenzene

Concen: 19.795 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 177320

Ion Ratio Lower Upper

105 100

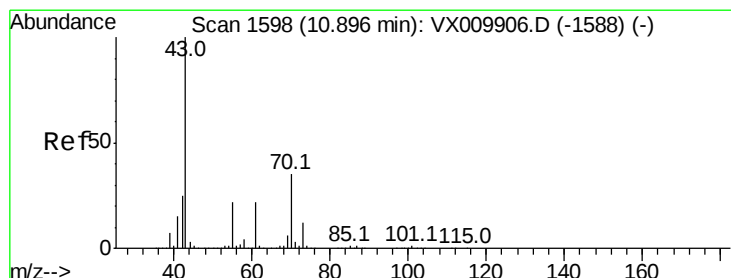
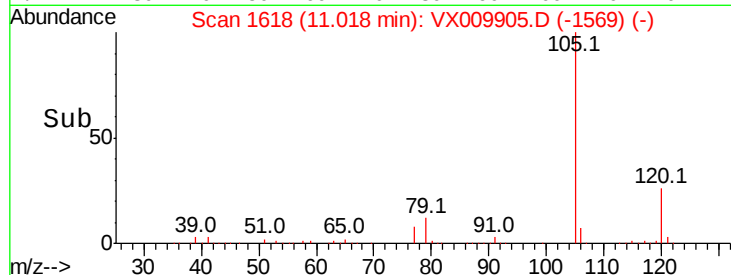
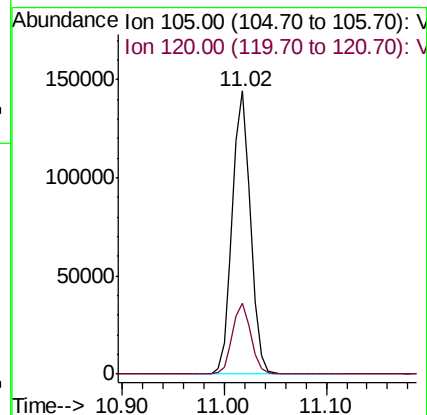
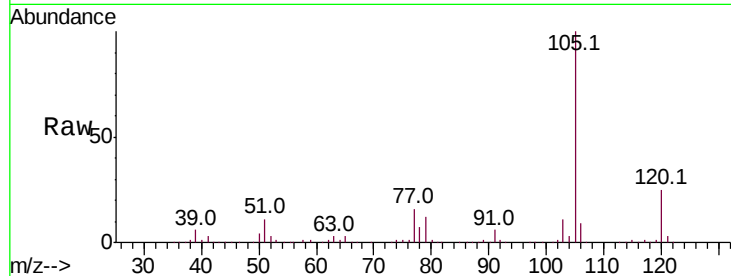
120 25.5 12.8 38.4

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#74

N-ethyl acetate

Concen: 19.926 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion: 43 Resp: 104426

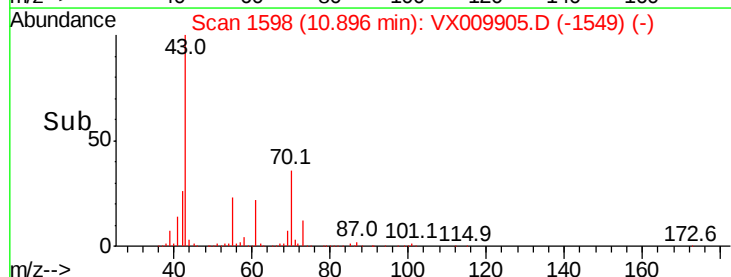
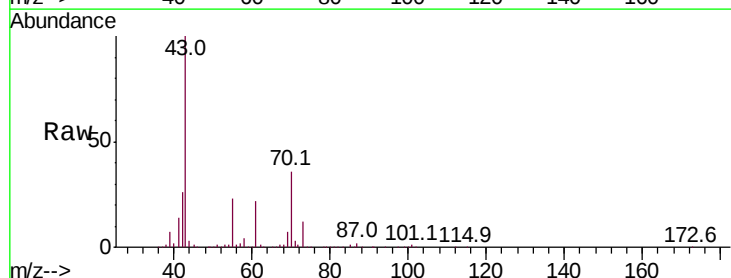
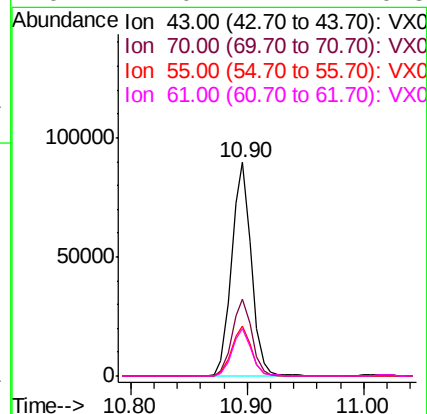
Ion Ratio Lower Upper

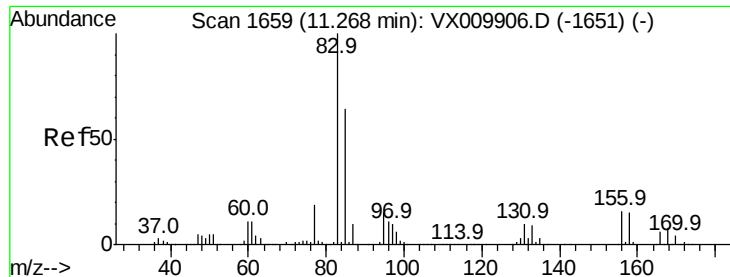
43 100

70 36.4 28.6 43.0

55 23.7 17.8 26.8

61 22.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.588 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

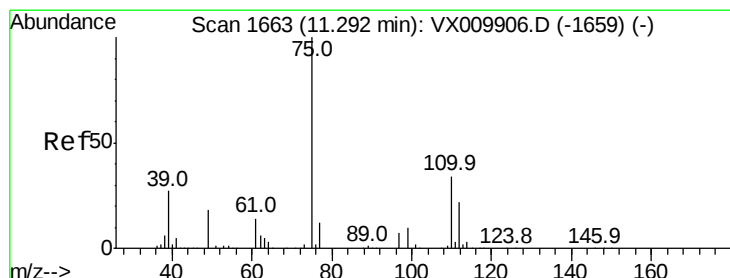
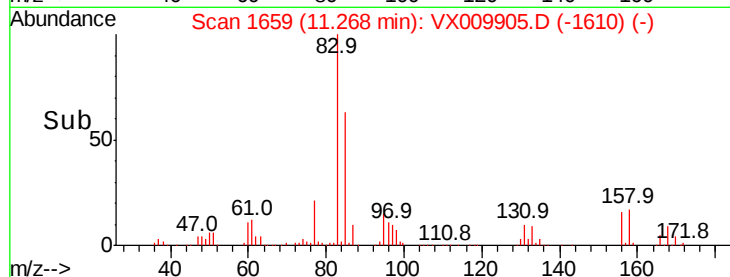
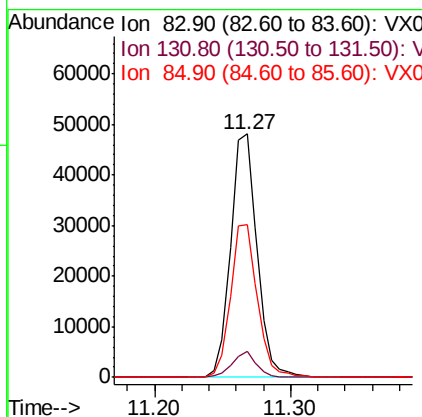
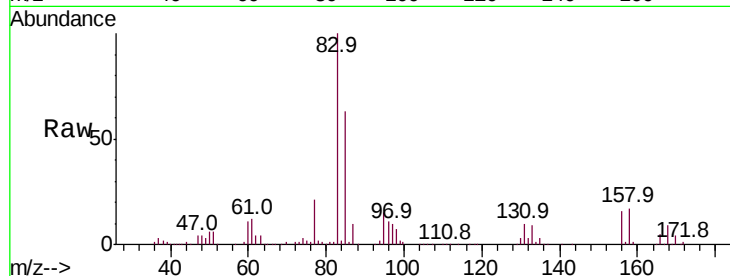
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	65101
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.7	14.1
85	63.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.739 ug/l m

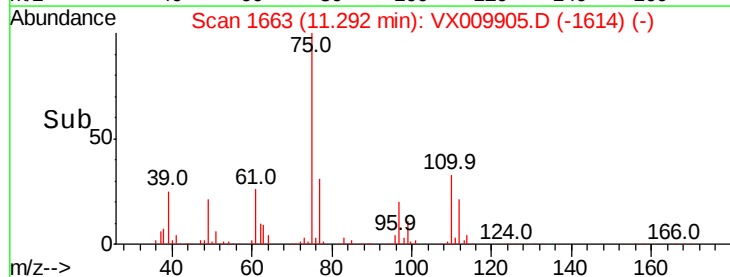
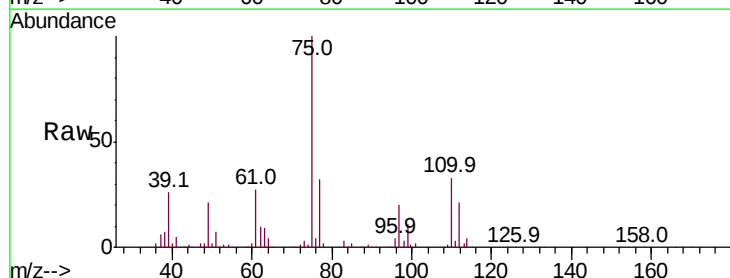
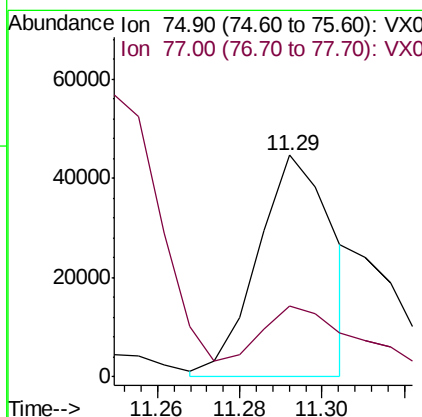
RT: 11.29 min Scan# 1663

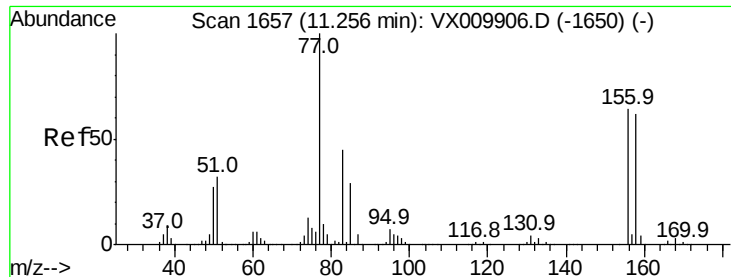
Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion:	75	Resp:	56430
Ion Ratio	Lower	Upper	
75	100		
77	43.9	22.1	66.1





#77

Bromobenzene

Concen: 19.316 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 42897

Ion Ratio Lower Upper

156 100

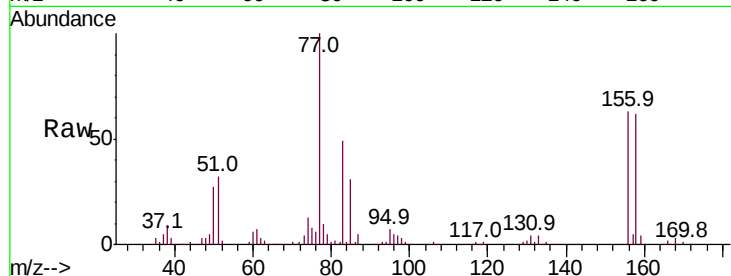
77 172.8 86.8 260.3

158 97.4 49.6 148.8

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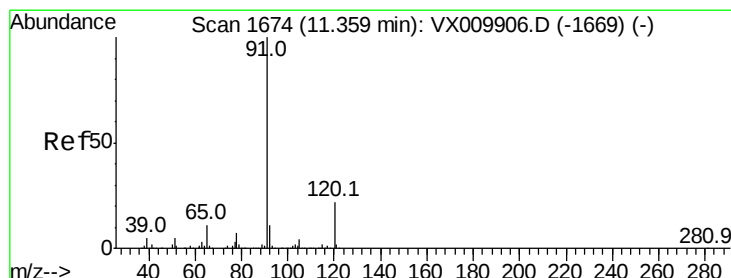
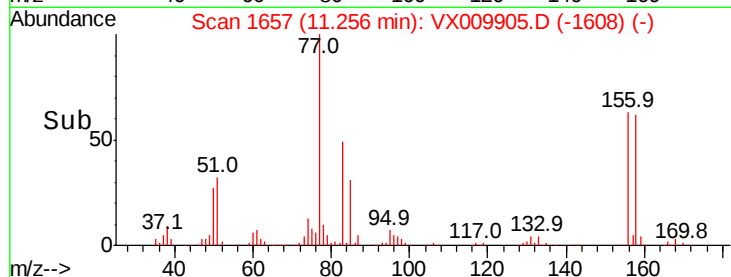
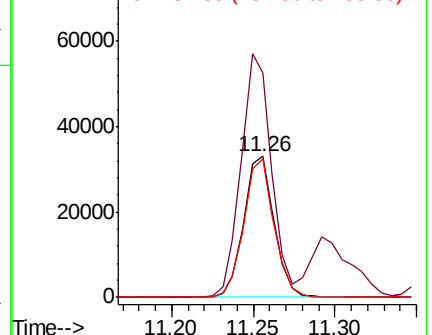
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.050 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009905.D

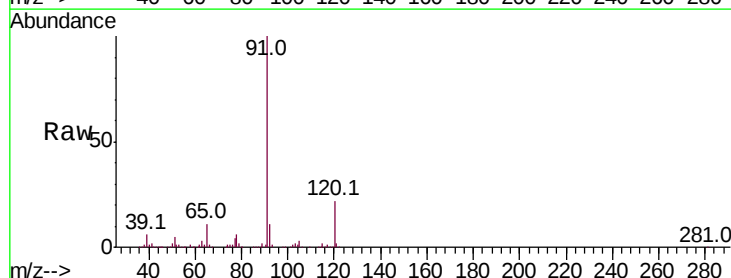
Acq: 28 May 2019 10:44

Tgt Ion: 91 Resp: 205501

Ion Ratio Lower Upper

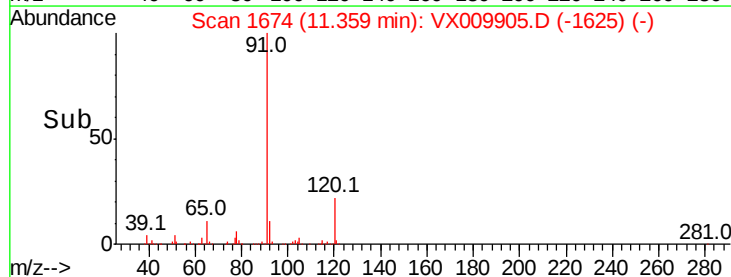
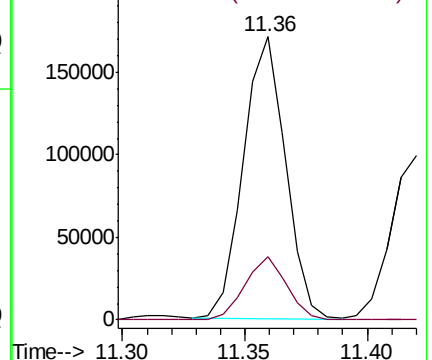
91 100

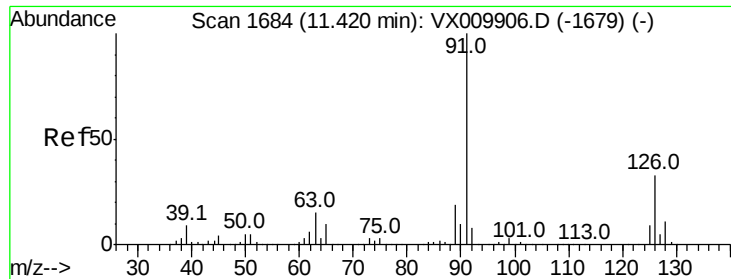
120 22.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.675 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 124479

Ion Ratio Lower Upper

91 100

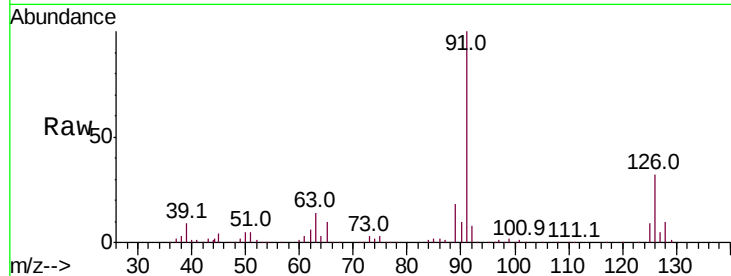
126 32.1 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX009906.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009906.D (-1679) (-)

200000

150000

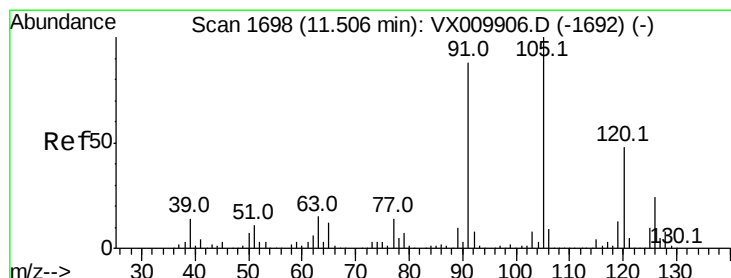
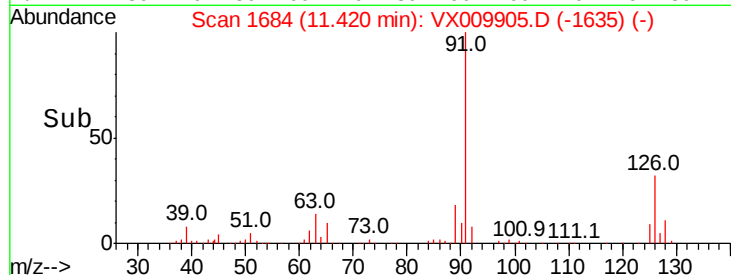
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.078 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009905.D

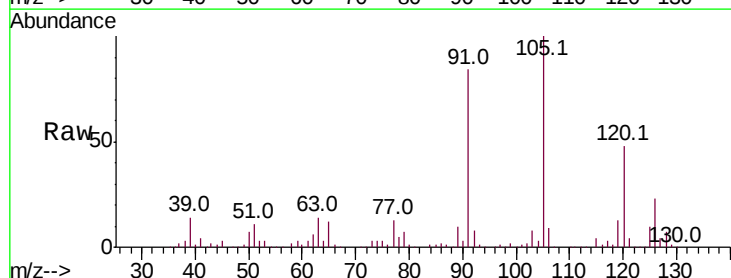
Acq: 28 May 2019 10:44

Tgt Ion:105 Resp: 151650

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX009906.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009906.D (-1692) (-)

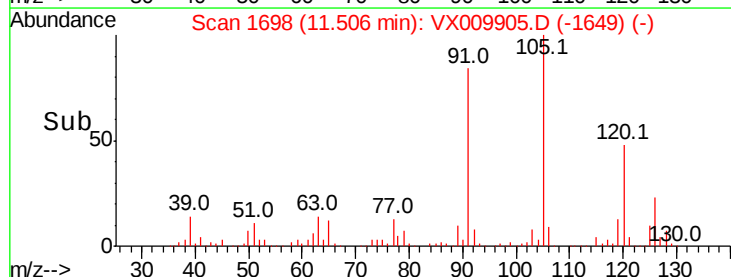
100000

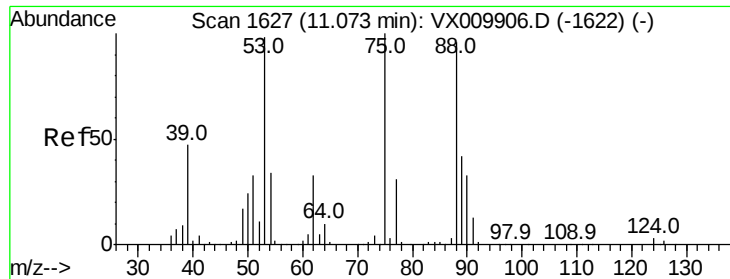
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.841 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

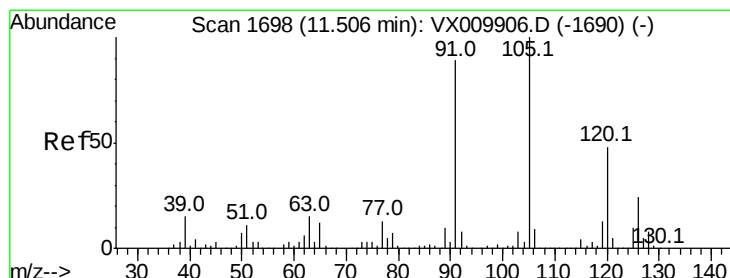
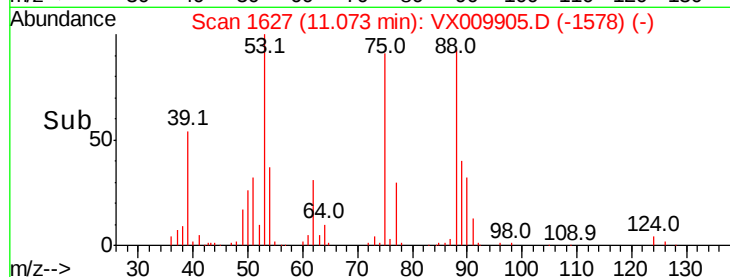
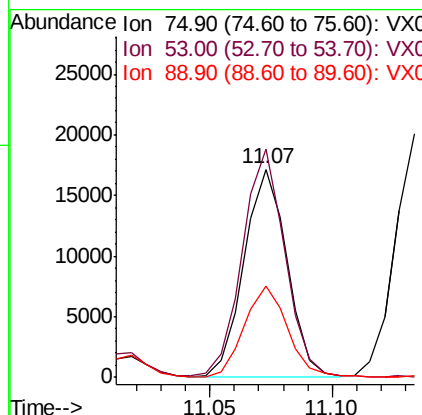
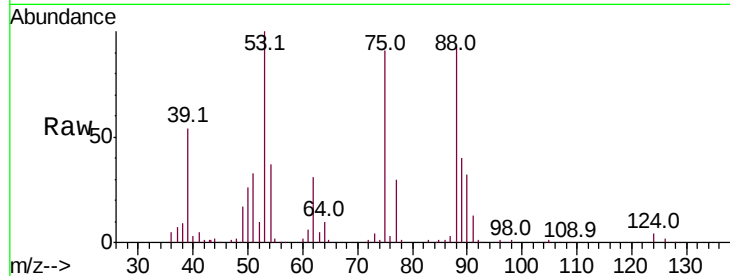
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	21163
Ion	Ratio	Lower	Upper
75	100		
53	106.9	79.8	119.6
89	44.2	34.2	51.4

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#82

4-Chlorotoluene

Concen: 19.541 ug/l

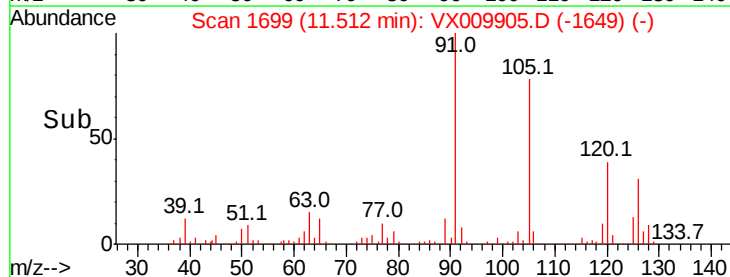
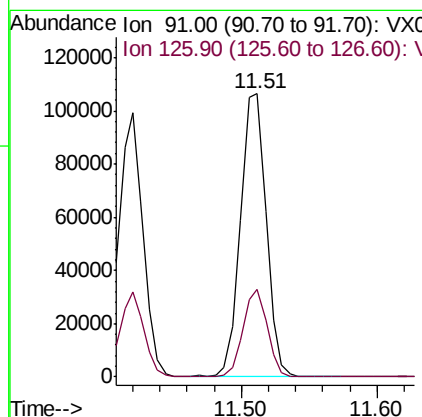
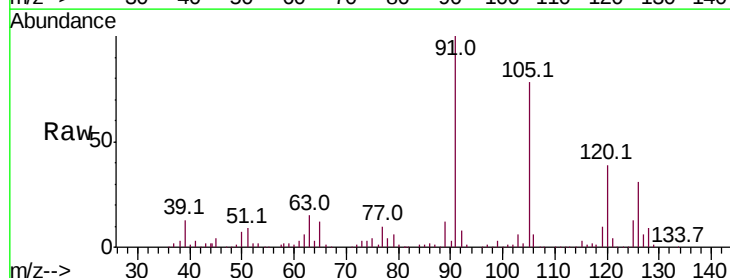
RT: 11.51 min Scan# 1699

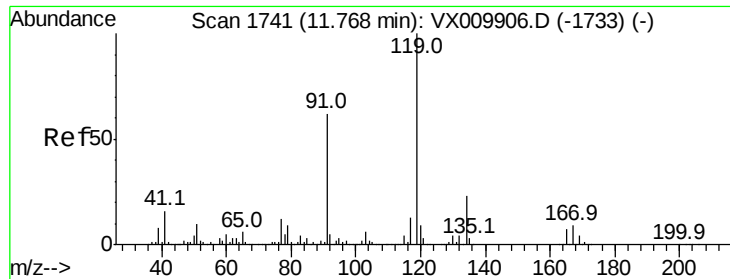
Delta R.T. 0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion:	91	Resp:	139794
Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.2	42.6





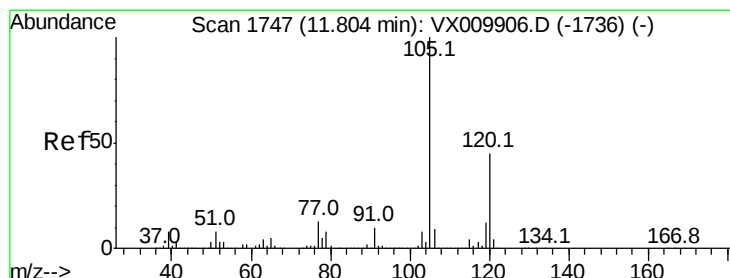
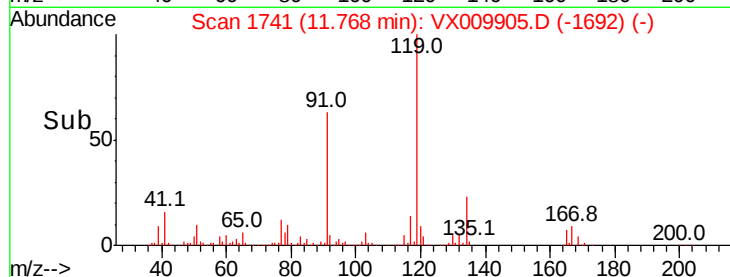
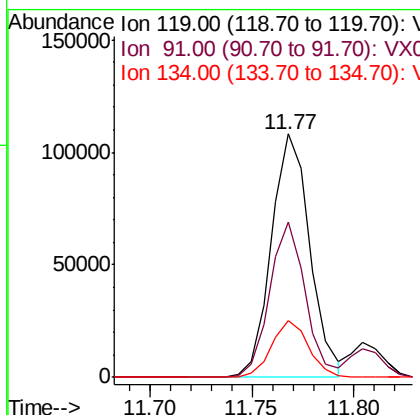
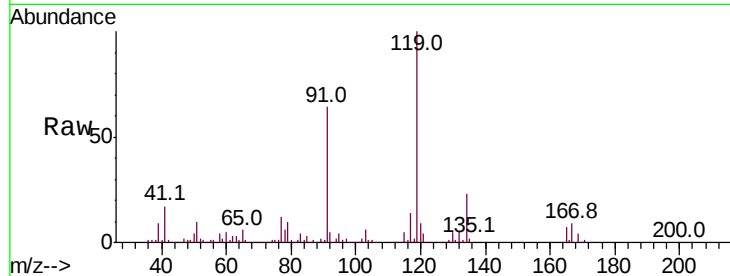
#83
tert-Butylbenzene
Concen: 19.429 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	142500		
91	59.3	30.0	90.0	
134	22.5	11.2	33.5	

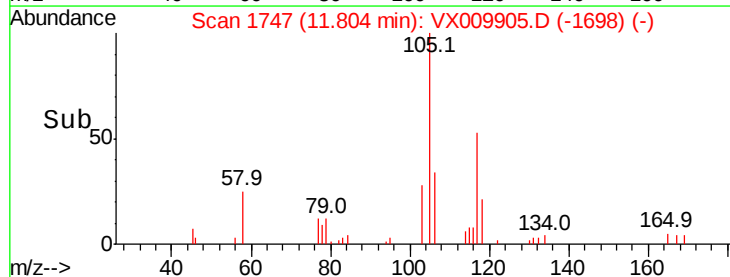
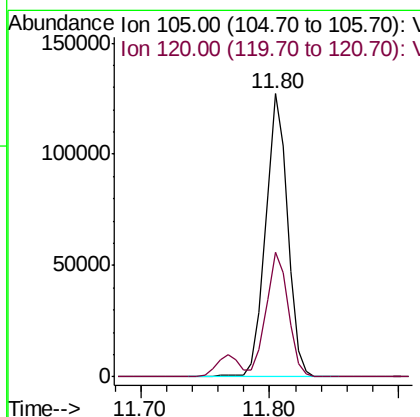
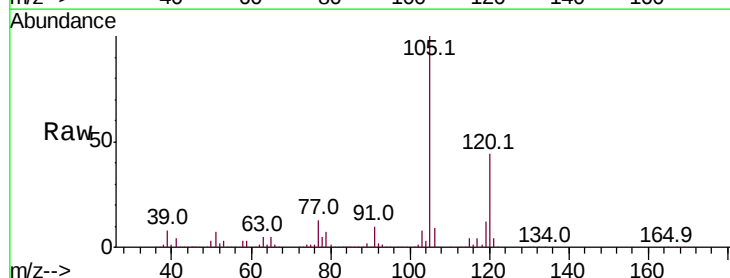
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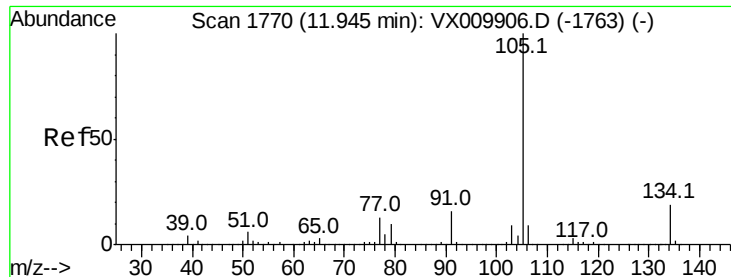
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#84
1,2,4-Trimethylbenzene
Concen: 19.954 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151292		
120	43.6	22.1	66.1	





#85

sec-Butylbenzene

Concen: 19.709 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 171428

Ion Ratio Lower Upper

105 100

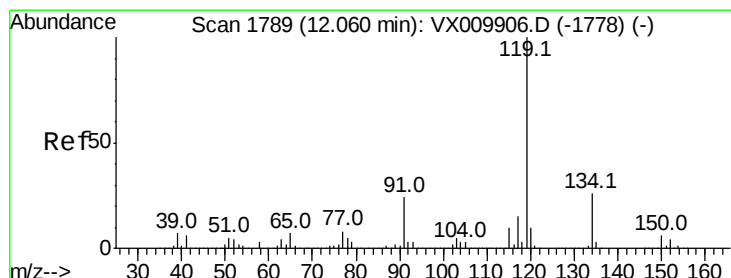
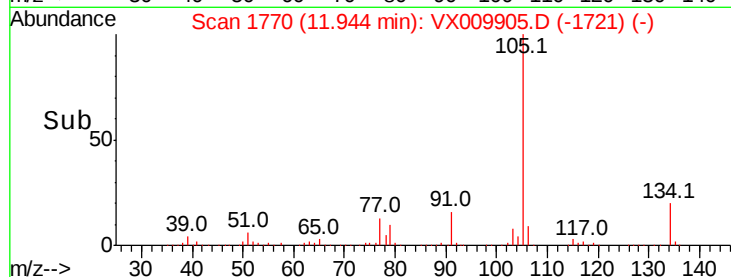
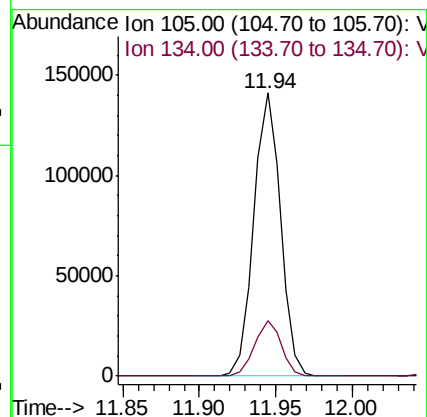
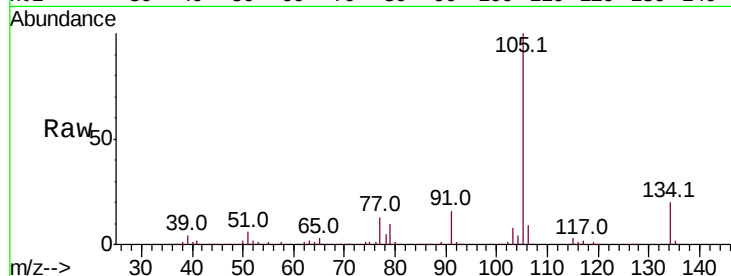
134 19.5 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.949 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

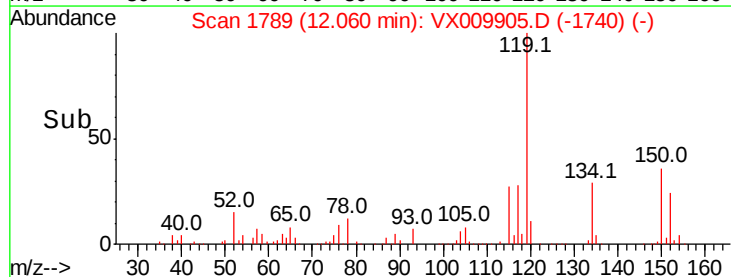
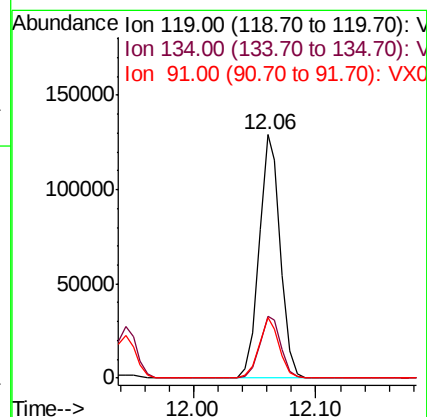
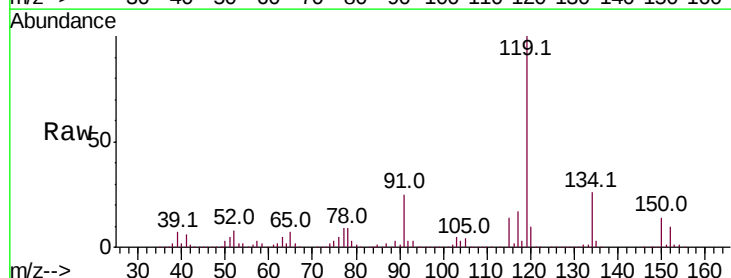
Tgt Ion:119 Resp: 156160

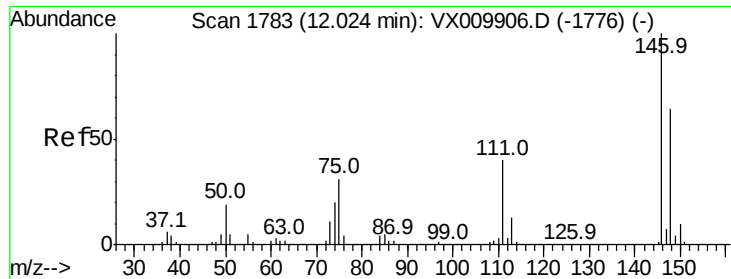
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 23.9 11.9 35.9





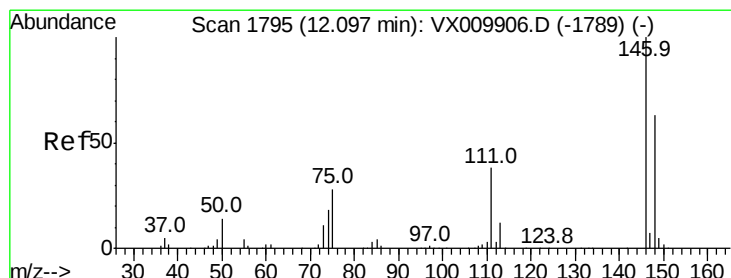
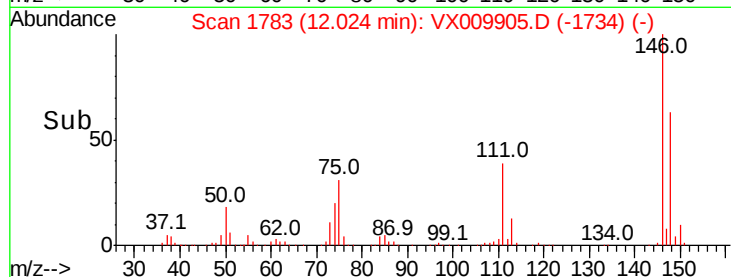
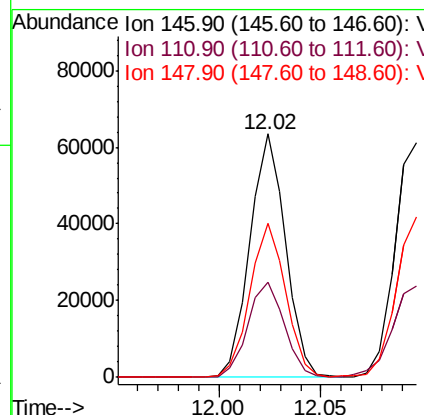
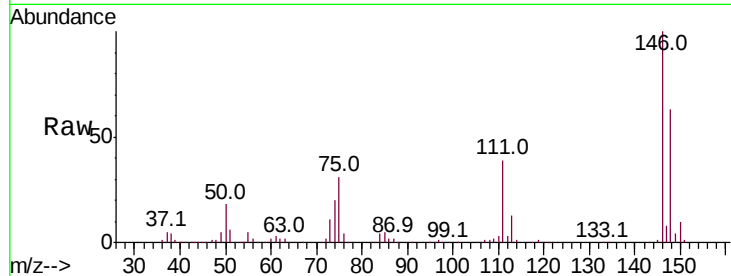
#87
 1,3-Dichlorobenzene
 Concen: 19.525 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	63.3	31.9	95.5

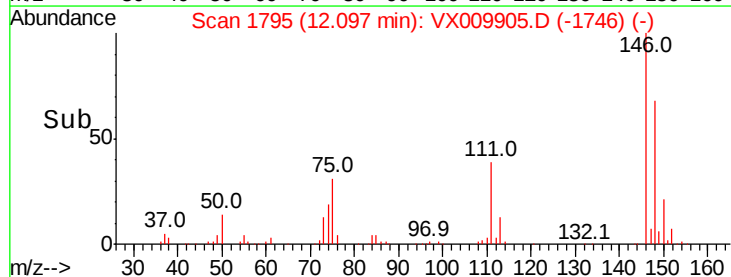
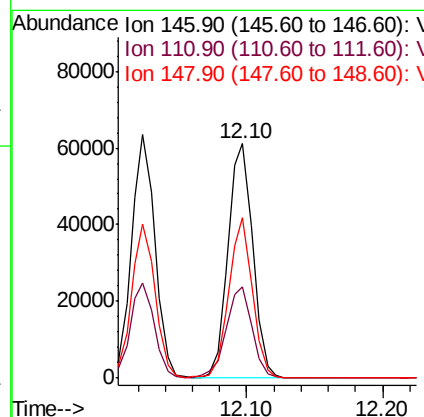
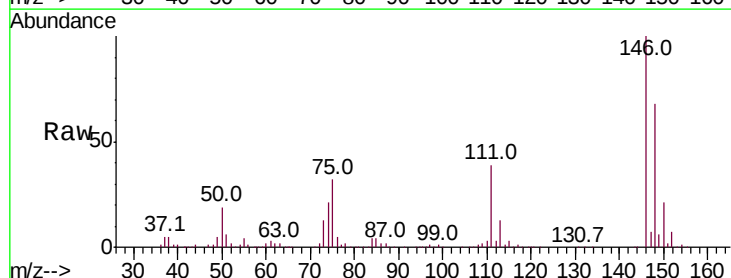
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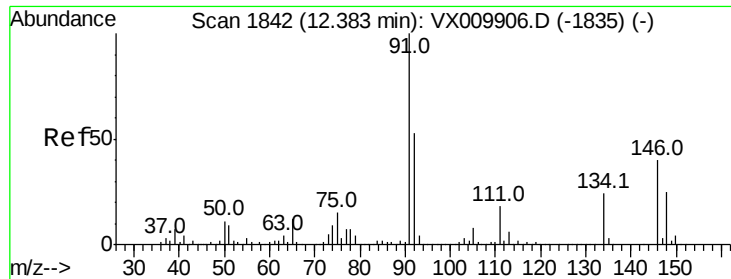
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#88
 1,4-Dichlorobenzene
 Concen: 19.324 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	64.7	32.3	96.9





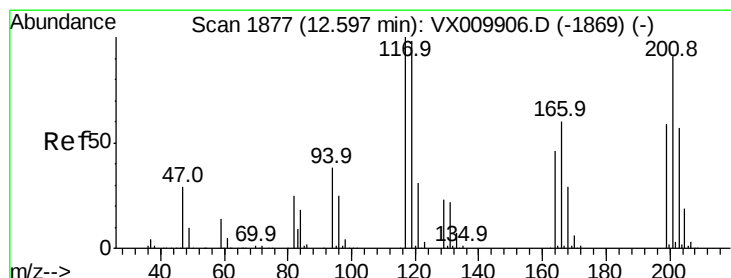
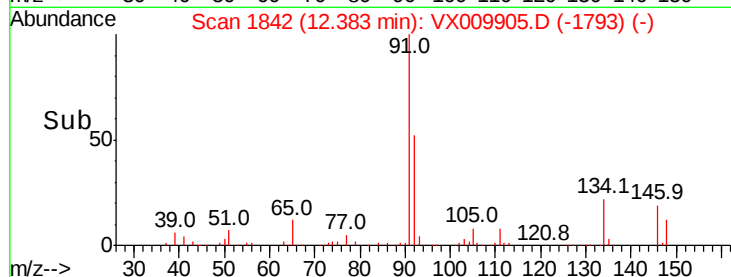
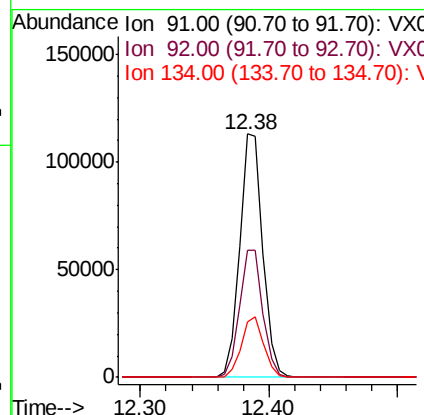
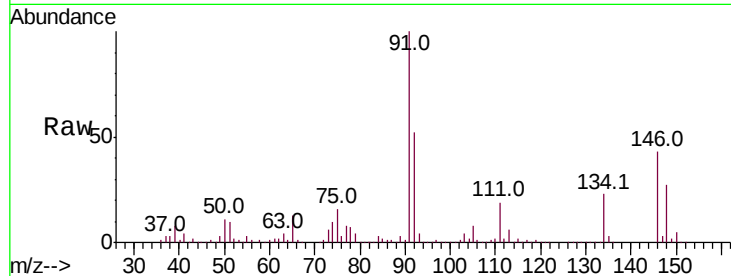
#89
n-Butylbenzene
Concen: 19.826 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.8
134	24.2	12.3	36.8

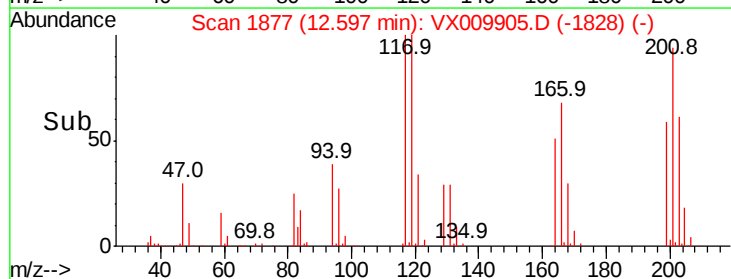
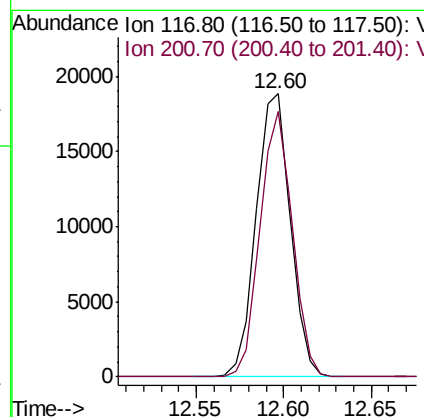
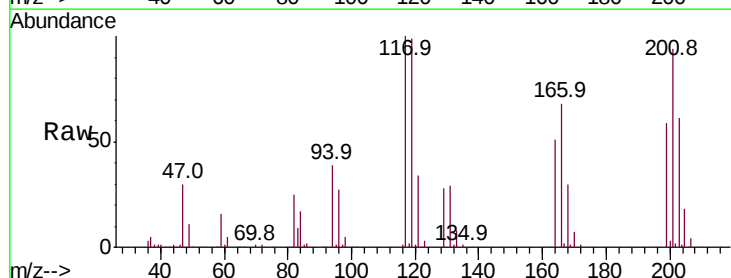
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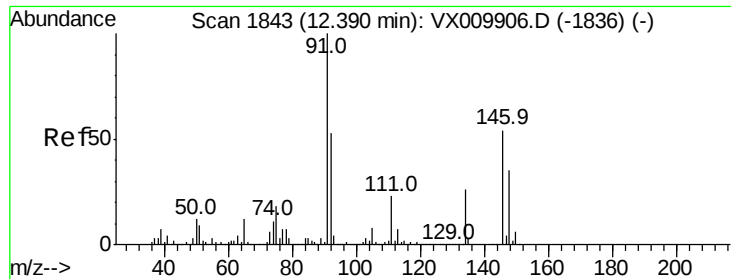
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#90
Hexachloroethane
Concen: 19.271 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	43.6	130.9





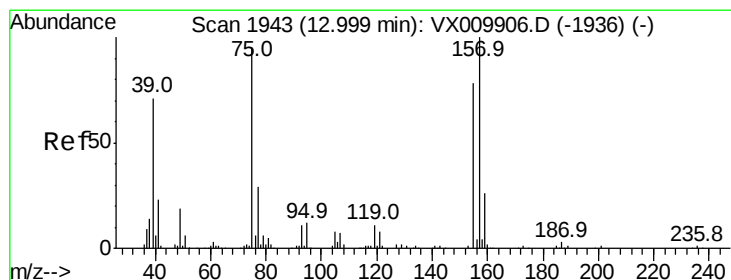
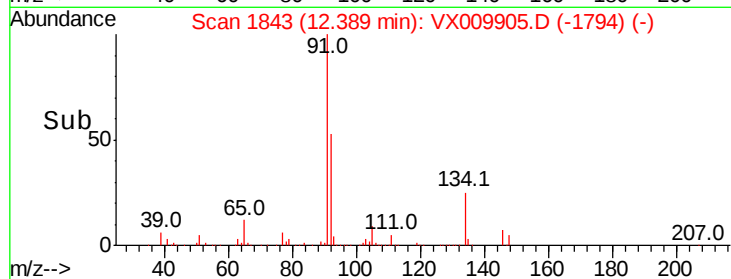
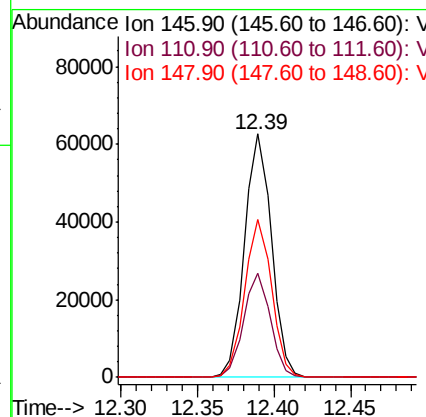
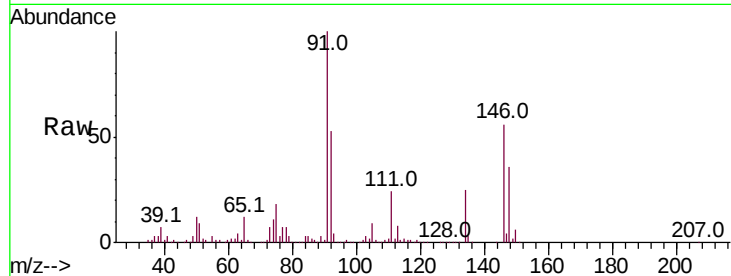
#91
 1,2-Dichlorobenzene
 Concen: 19.107 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.1
148	64.7	32.3	96.8

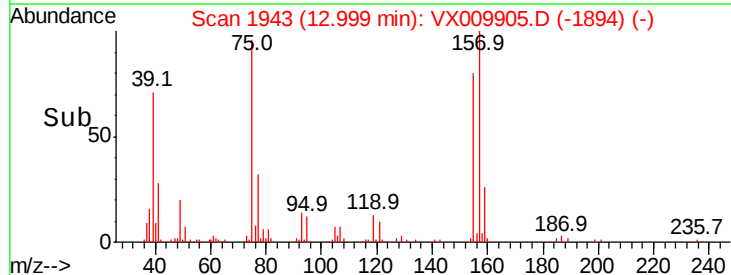
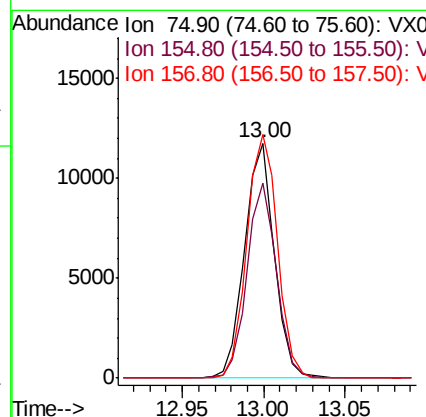
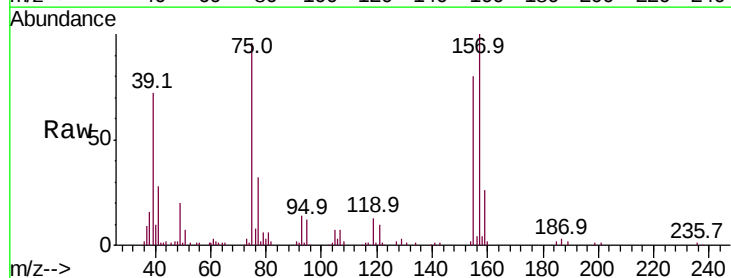
Manual Integrations
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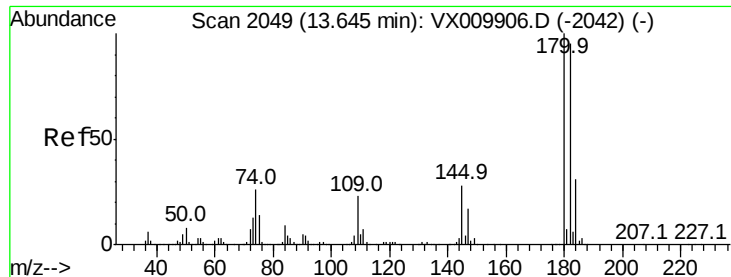
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.126 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	39.3	117.8
157	106.3	50.6	151.8





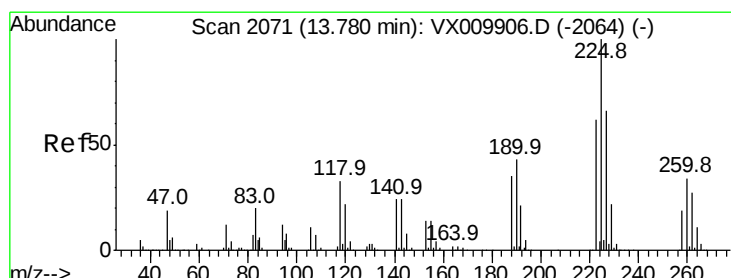
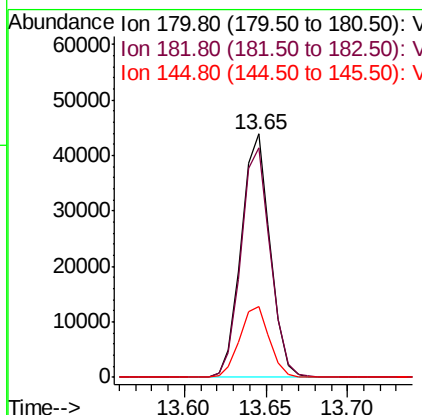
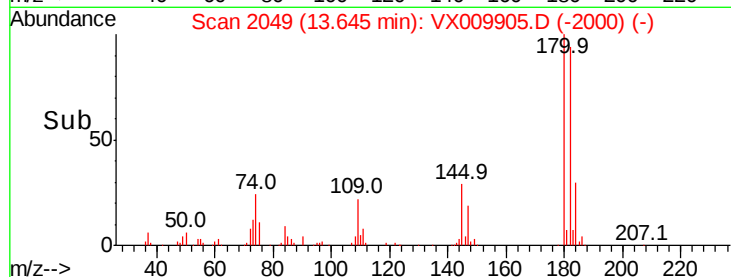
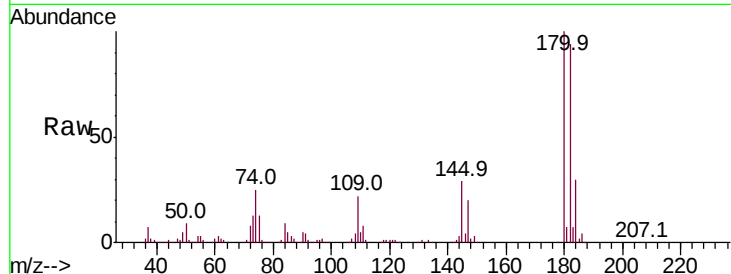
#93
 1,2,4-Trichlorobenzene
 Concen: 19.724 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.4	142.2	
145	30.0	14.5	43.5	

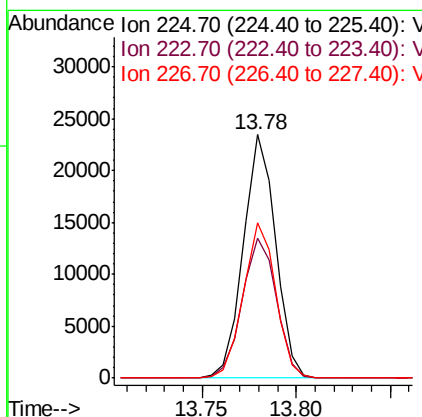
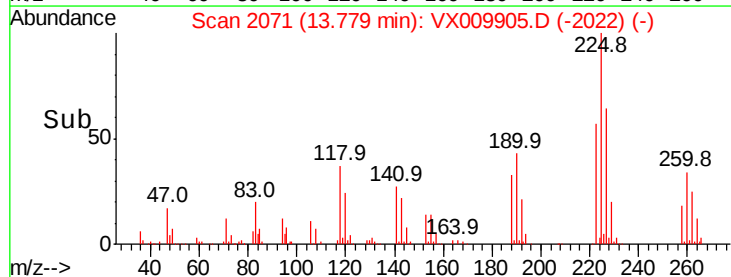
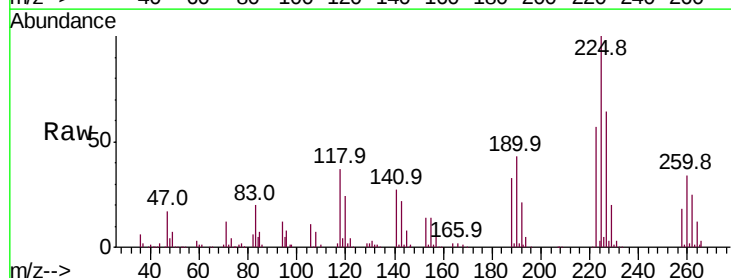
Manual Integrations
 APPROVED

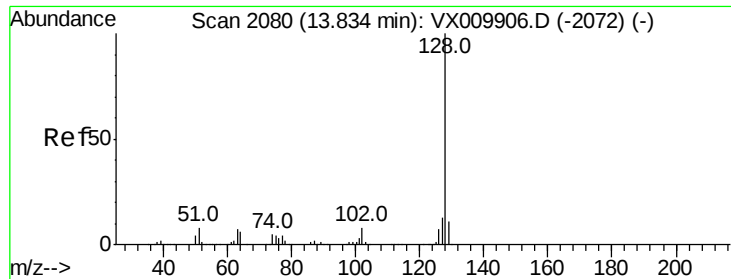
MMDadoda
 5/29/2019 9:24:46 AM



#94
 Hexachlorobutadiene
 Concen: 19.739 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.1	31.3	93.8	
227	64.2	32.3	96.8	





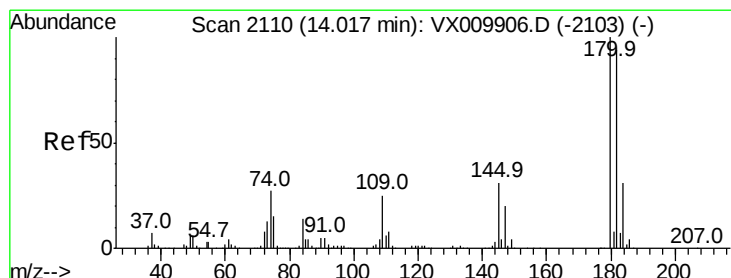
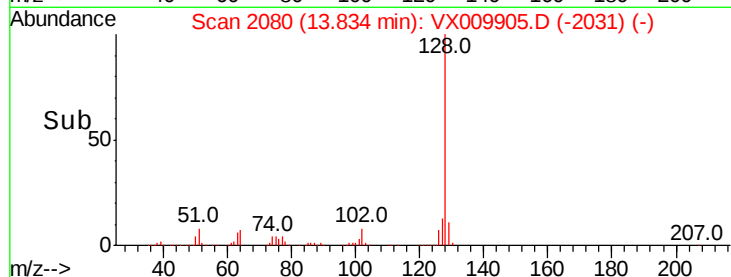
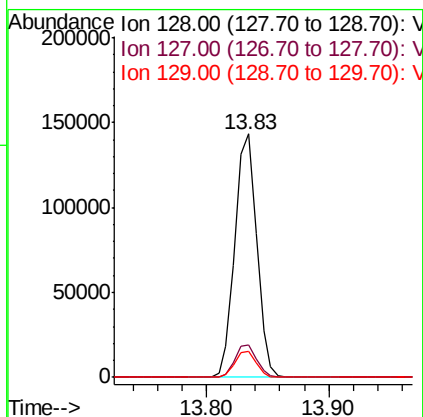
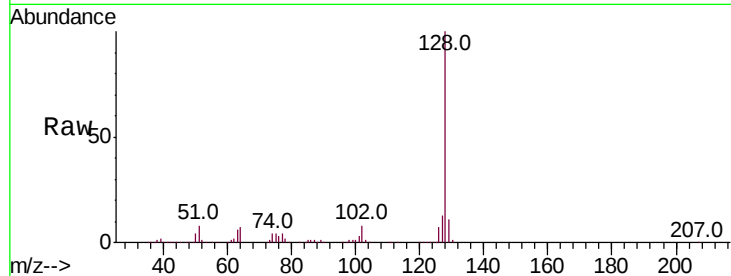
#95
Naphthalene
Concen: 19.917 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	177214		
127	13.2		10.6	16.0
129	10.6		8.8	13.2

Manual Integrations
APPROVED

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5/29/2019 9:24:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.720 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54937		
182	97.1		47.3	142.0
145	31.1		15.6	46.7

