

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009903.D
 Acq On : 28 May 2019 09:57
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:24:38 AM

Quant Time: May 29 03:51:53 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	5.65	168	162349	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	277269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1704	1.053	ug/l	97
3) Chloromethane	1.32	50	3334	1.555	ug/l	100
4) Vinyl Chloride	1.41	62	2515	1.216	ug/l	98
6) Chloroethane	1.72	64	1874	1.434	ug/l	94
7) Trichlorofluoromethane	1.93	101	2716	1.097	ug/l	93
8) Diethyl Ether	2.19	74	1653	1.427	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1587	1.033	ug/l	91
12) 1,1-Dichloroethene	2.37	96	1765	1.147	ug/l	87
14) Allyl chloride	2.73	41	5025	1.332	ug/l	93
15) Acrylonitrile	3.14	53	8873	6.998	ug/l	98
16) Acetone	2.44	43	8695	7.178	ug/l #	88
17) Carbon Disulfide	2.57	76	5360	1.225	ug/l	95
18) Methyl Acetate	2.78	43	4527	1.587	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	7902	1.328	ug/l	92
20) Methylene Chloride	2.86	84	2687	1.386	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	2156	1.296	ug/l	96
22) Diisopropyl ether	3.85	45	9927	1.375	ug/l	99
23) Vinyl Acetate	3.81	43	40591	6.539	ug/l #	95
24) 1,1-Dichloroethane	3.69	63	4489	1.264	ug/l #	92
25) 2-Butanone	4.67	43	11892	6.331	ug/l	98
26) 2,2-Dichloropropane	4.58	77	3374	1.275	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	2543	1.284	ug/l	79
28) Bromochloromethane	5.01	49	2564	1.593	ug/l #	91
29) Tetrahydrofuran	5.13	42	8645	7.168	ug/l	99
30) Chloroform	5.20	83	4371	1.364	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	3126	1.169	ug/l #	48
36) 1,1-Dichloropropene	5.79	75	3168	1.215	ug/l	94
37) Ethyl Acetate	4.83	43	4613	1.261	ug/l #	91
38) Carbon Tetrachloride	5.78	117	2649	1.118	ug/l	94
39) Methylcyclohexane	7.46	83	3184	0.991	ug/l	95
40) Benzene	6.14	78	9889	1.228	ug/l	98
41) Methacrylonitrile	5.04	41	2616	1.208	ug/l #	93
42) 1,2-Dichloroethane	6.19	62	3989	1.375	ug/l	95
43) Isopropyl Acetate	6.44	43	7061	1.211	ug/l	97

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 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)
44) Trichloroethene	7.21	130	2598	1.336	ug/l	86
45) 1,2-Dichloropropane	7.51	63	2848	1.249	ug/l	98
46) Dibromomethane	7.66	93	1720	1.300	ug/l	97
47) Bromodichloromethane	7.90	83	3325	1.262	ug/l #	87
48) Methyl methacrylate	7.77	41	3895	1.342	ug/l #	89
49) 1,4-Dioxane	7.74	88	1378	23.726	ug/l #	63
51) 4-Methyl-2-Pentanone	8.64	43	23256	6.086	ug/l	97
52) Toluene	8.78	92	5475	1.118	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	3483	1.162	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	3781	1.144	ug/l #	89
55) 1,1,2-Trichloroethane	9.21	97	2490	1.253	ug/l	97
56) Ethyl methacrylate	9.18	69	4025	1.127	ug/l	91
57) 1,3-Dichloropropane	9.37	76	4388	1.249	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.31	63	10182	5.428	ug/l	99
59) 2-Hexanone	9.49	43	17861	5.957	ug/l	98
60) Dibromochloromethane	9.58	129	2130	1.093	ug/l	93
61) 1,2-Dibromoethane	9.67	107	2421	1.205	ug/l	96
64) Tetrachloroethene	9.34	164	2158	1.220	ug/l	87
65) Chlorobenzene	10.13	112	6056	1.175	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	2045	1.096	ug/l #	65
67) Ethyl Benzene	10.25	91	10075	1.062	ug/l	99
68) m/p-Xylenes	10.36	106	7045	2.030	ug/l	96
69) o-Xylene	10.69	106	3677	1.075	ug/l	99
70) Styrene	10.71	104	5939	1.001	ug/l	98
71) Bromoform	10.85	173	1565	1.031	ug/l #	99
73) Isopropylbenzene	11.02	105	8656	1.012	ug/l	98
74) N-amyl acetate	10.90	43	5547	1.109	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	4289	1.352	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	3415m	1.251	ug/l	
77) Bromobenzene	11.25	156	2370	1.118	ug/l	96
78) n-propylbenzene	11.36	91	10026	1.025	ug/l	99
79) 2-Chlorotoluene	11.41	91	6779	1.122	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	7256	1.006	ug/l	98
82) 4-Chlorotoluene	11.51	91	7489	1.097	ug/l	98
83) tert-Butylbenzene	11.77	119	6994	0.999	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	7661	1.058	ug/l	96
85) sec-Butylbenzene	11.94	105	7463	0.899	ug/l	98
86) p-Isopropyltoluene	12.06	119	7108	0.951	ug/l	90
87) 1,3-Dichlorobenzene	12.02	146	4339	1.149	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	4844m	1.271	ug/l	
89) n-Butylbenzene	12.38	91	6215	0.916	ug/l	97
90) Hexachloroethane	12.60	117	1375	1.082	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	4551	1.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1008	1.416	ug/l	86
93) 1,2,4-Trichlorobenzene	13.65	180	2963	1.127	ug/l	97
94) Hexachlorobutadiene	13.78	225	1338	0.994	ug/l	93
95) Naphthalene	13.83	128	8233	0.969	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	2820	1.060	ug/l	97

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ClientSampleId :
VSTDICC001

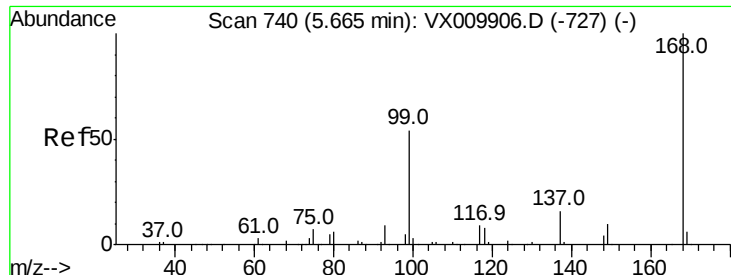
Manual Integrations
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Response via : Initial Calibration

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 162349

Ion Ratio Lower Upper

168 100

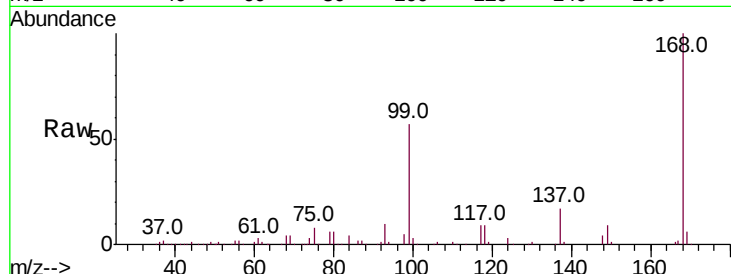
99 56.7 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

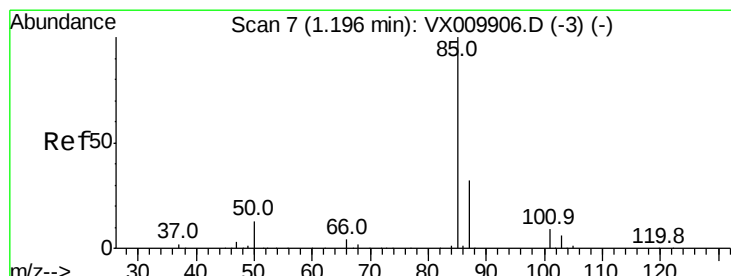
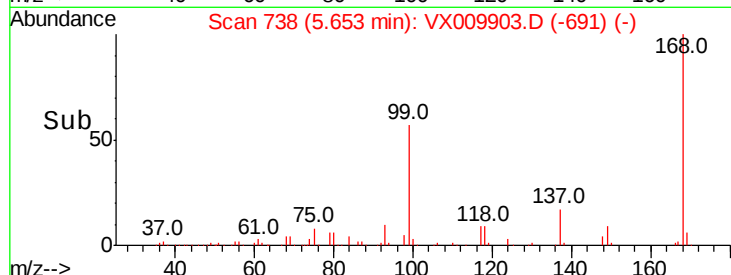
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.053 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009903.D

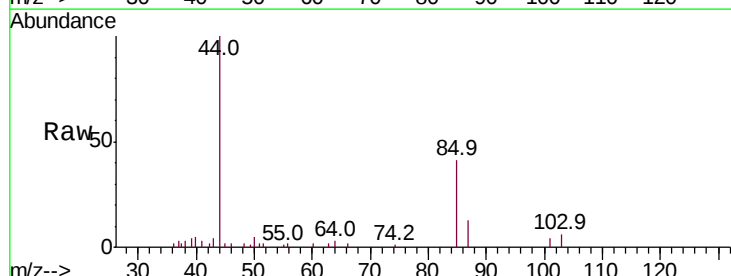
Acq: 28 May 2019 09:57

Tgt Ion: 85 Resp: 1704

Ion Ratio Lower Upper

85 100

87 30.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

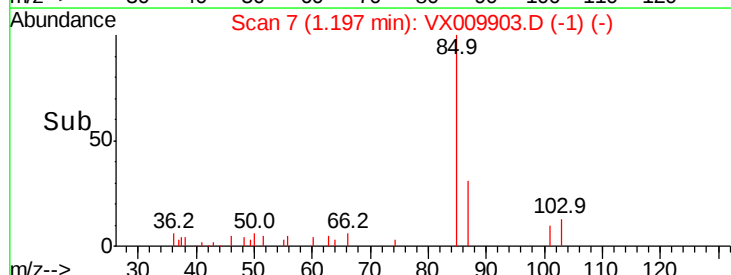
1500

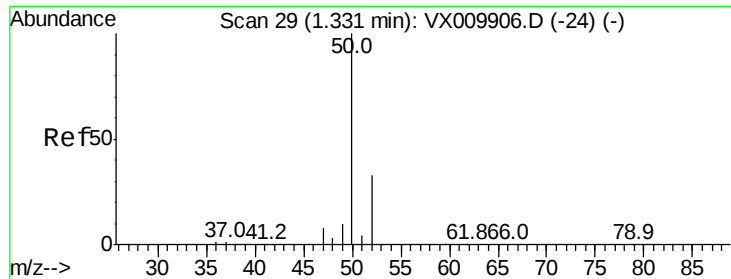
1000

500

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 1.555 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3334

Ion Ratio Lower Upper

50 100

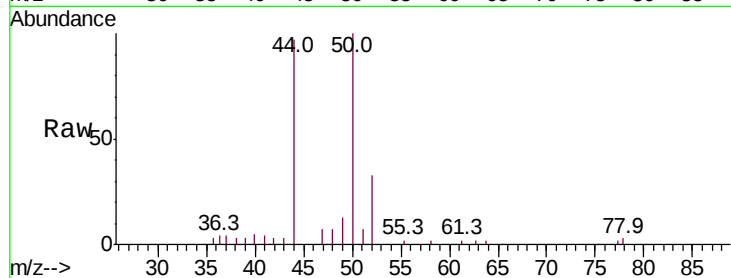
52 32.7 26.0 39.0

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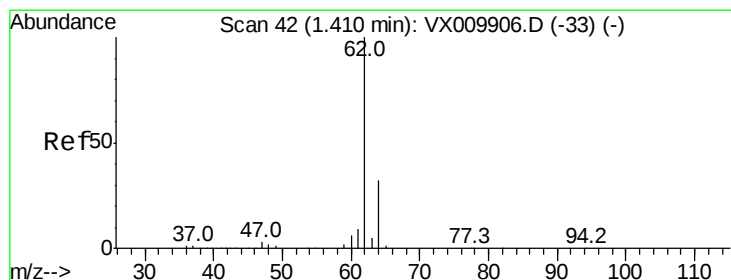
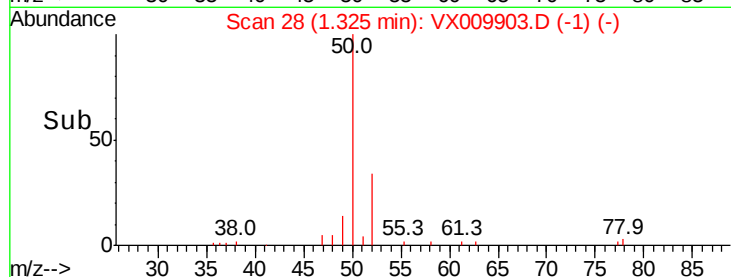
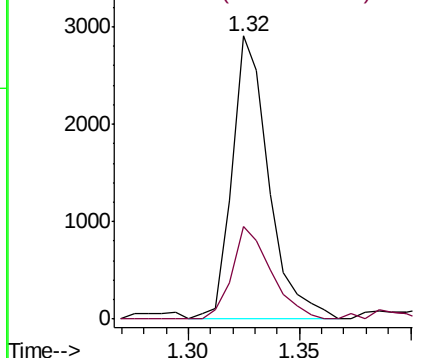
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.216 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009903.D

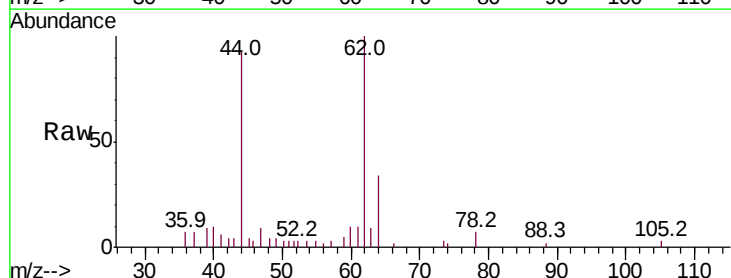
Acq: 28 May 2019 09:57

Tgt Ion: 62 Resp: 2515

Ion Ratio Lower Upper

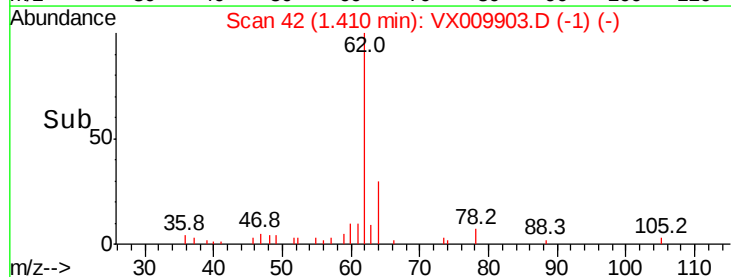
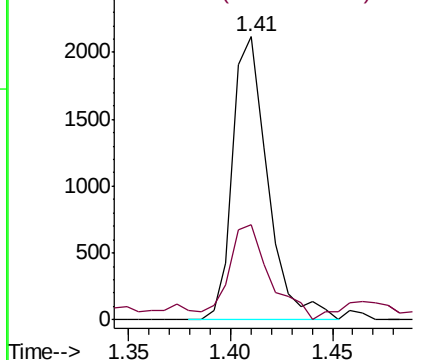
62 100

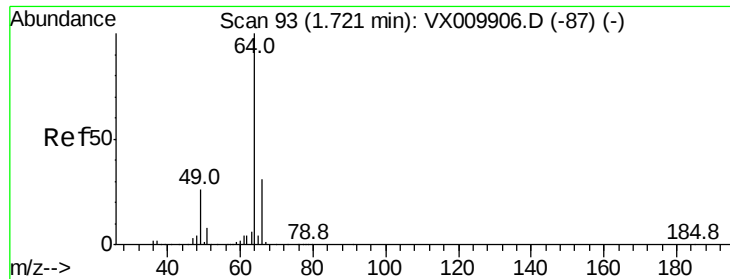
64 31.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 1.434 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 1874

Ion Ratio Lower Upper

64 100

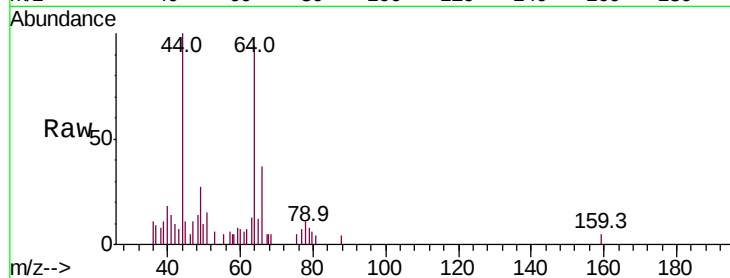
66 34.8 25.1 37.7

Manual Integrations

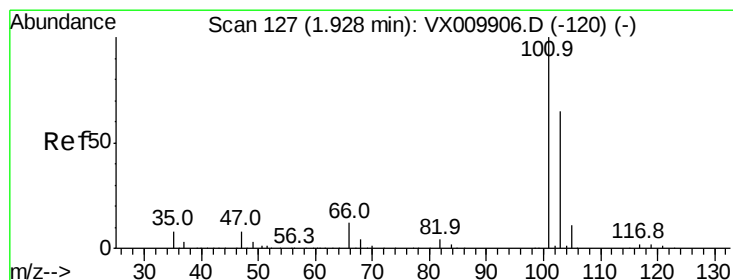
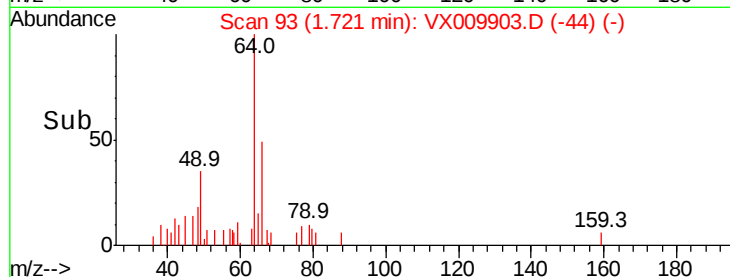
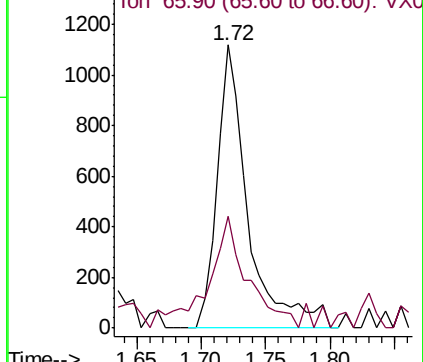
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Abundance Ion 63.90 (63.60 to 64.60): VX009906.D (-87) (-)



#7

Trichlorofluoromethane

Concen: 1.097 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.00 min

Lab File: VX009903.D

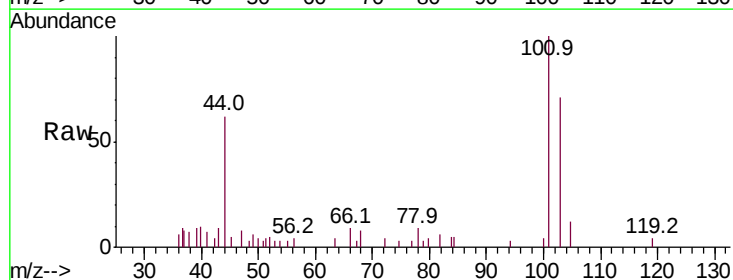
Acq: 28 May 2019 09:57

Tgt Ion: 101 Resp: 2716

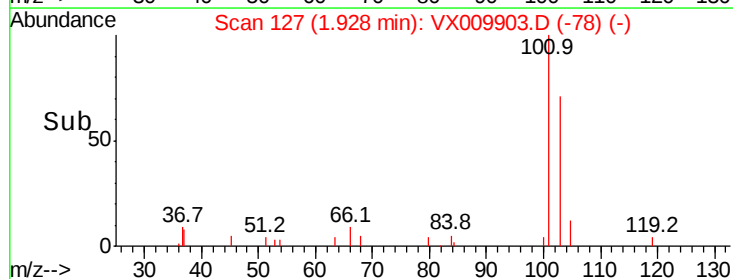
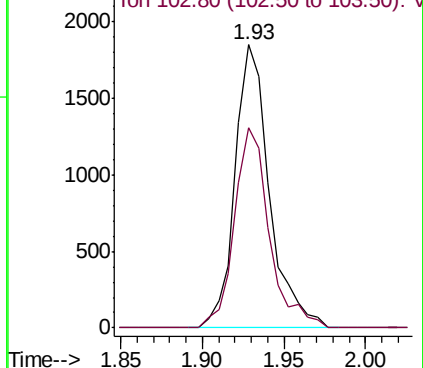
Ion Ratio Lower Upper

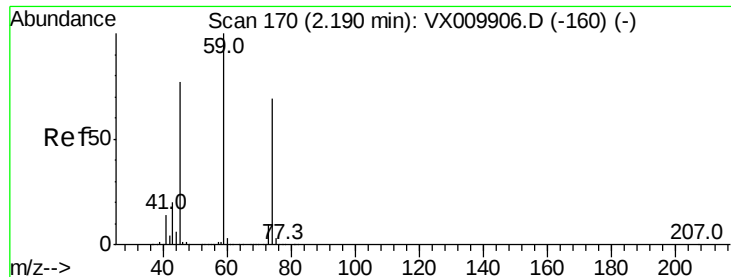
101 100

103 70.8 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): VX009906.D (-120) (-)





#8

Diethyl Ether

Concen: 1.427 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 1653

Ion Ratio Lower Upper

74 100

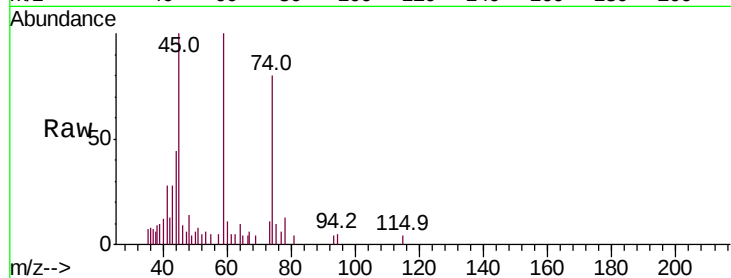
45 123.5 56.1 168.3

Manual Integrations

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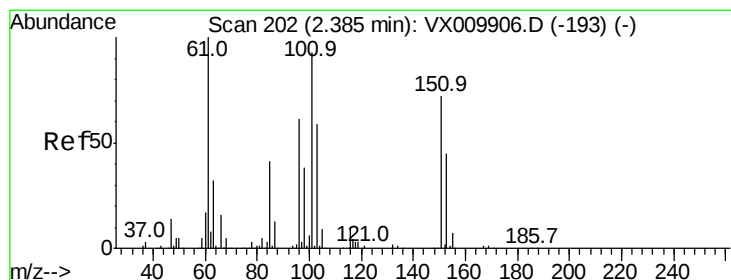
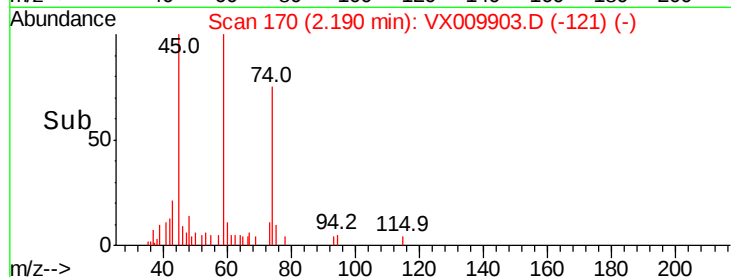
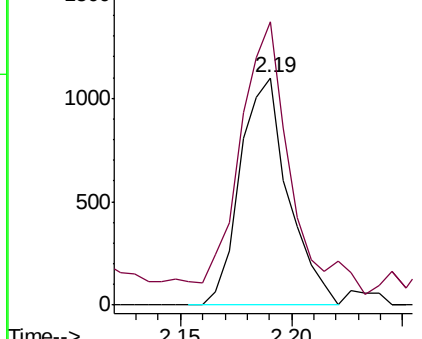
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Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.033 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

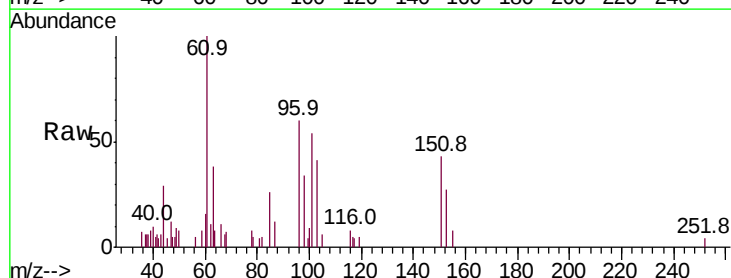
Tgt Ion: 101 Resp: 1587

Ion Ratio Lower Upper

101 100

85 50.3 35.2 52.8

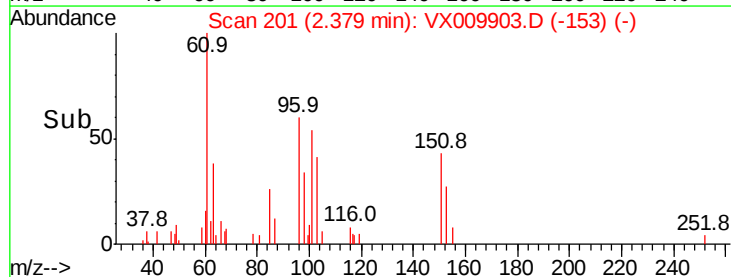
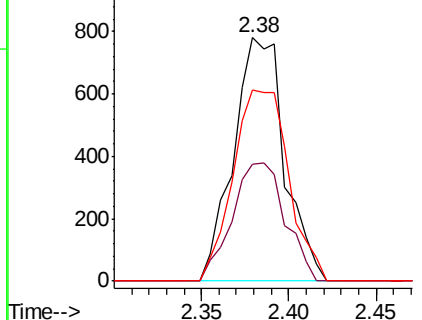
151 85.4 61.9 92.9

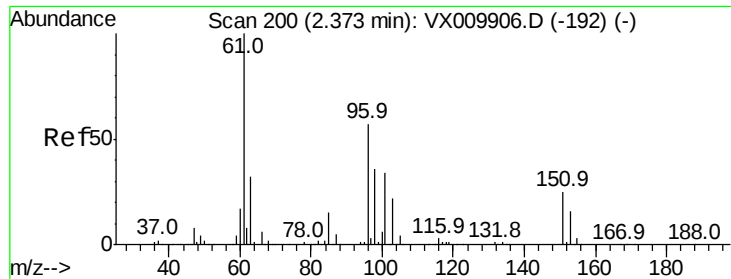


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 1.147 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 1765

Ion Ratio Lower Upper

96 100

61 195.6 140.7 211.1

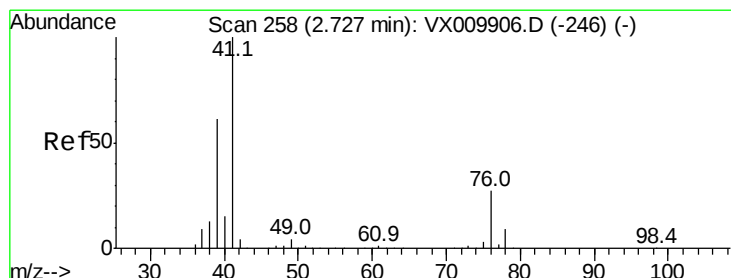
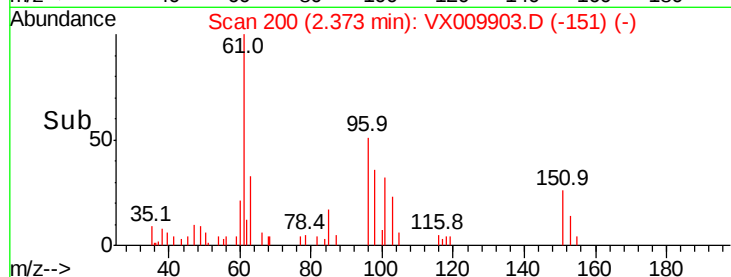
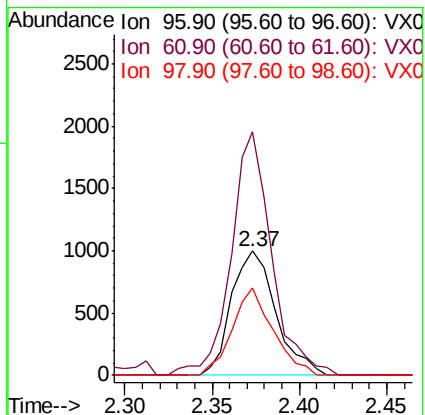
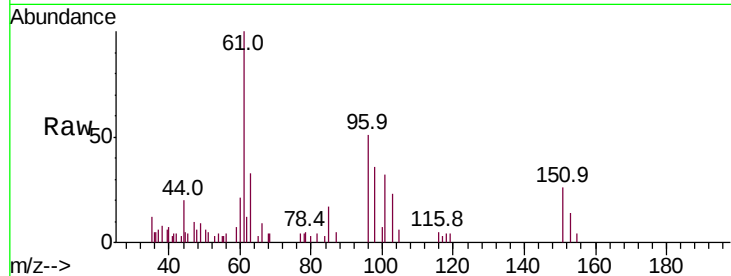
98 70.2 50.1 75.1

Manual Integrations

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#14

Allyl chloride

Concen: 1.332 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

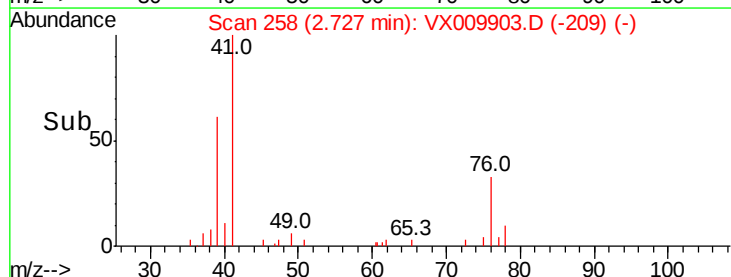
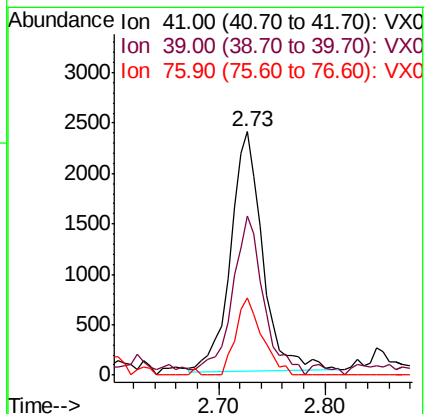
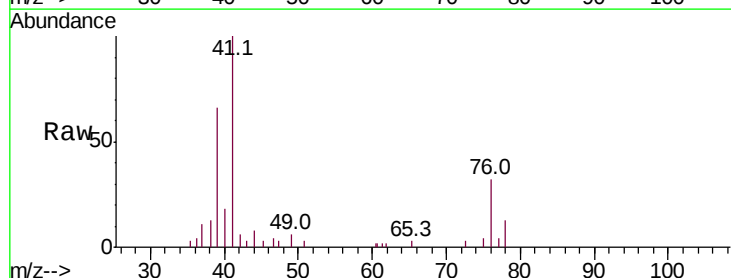
Tgt Ion: 41 Resp: 5025

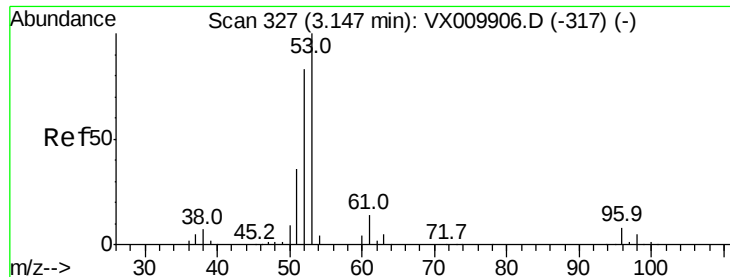
Ion Ratio Lower Upper

41 100

39 65.5 46.7 70.1

76 26.6 21.0 31.4





#15

Acrylonitrile

Concen: 6.998 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

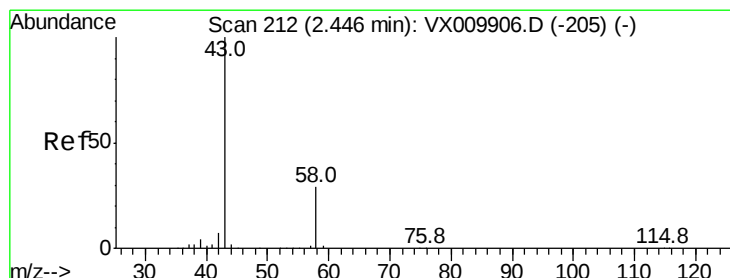
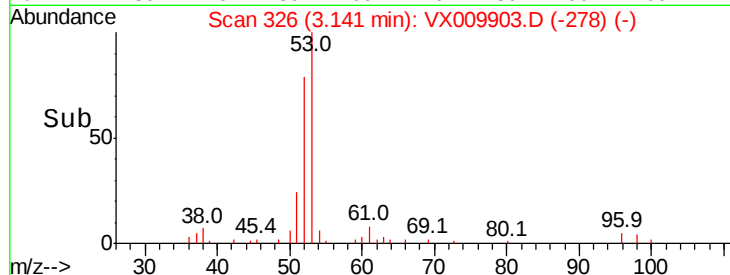
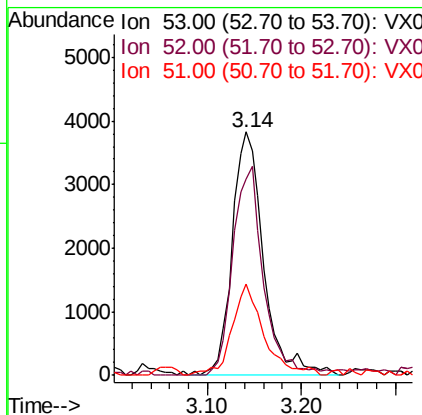
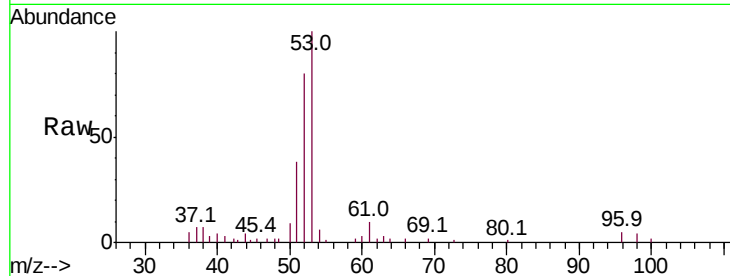
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	8873
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.7	100.1
51	38.2	28.8	43.2

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#16

Acetone

Concen: 7.178 ug/l

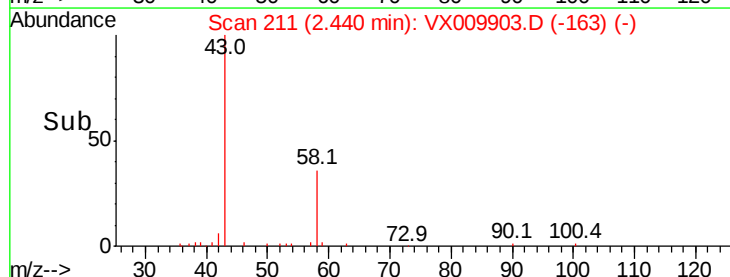
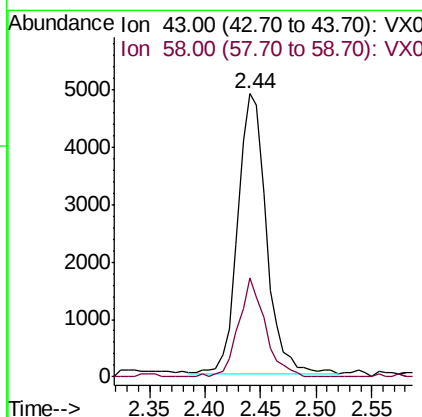
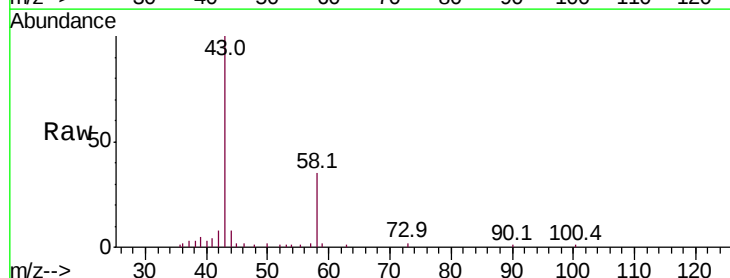
RT: 2.44 min Scan# 211

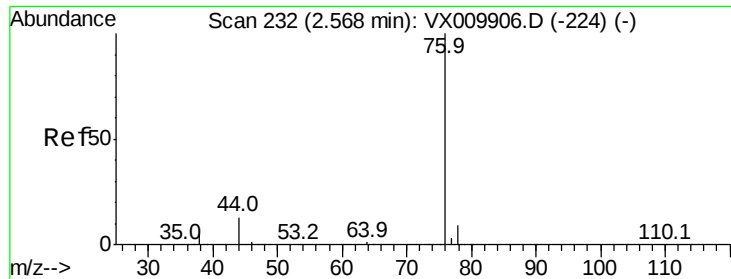
Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Tgt Ion:	43	Resp:	8695
Ion	Ratio	Lower	Upper
43	100		
58	35.4	23.2	34.8#





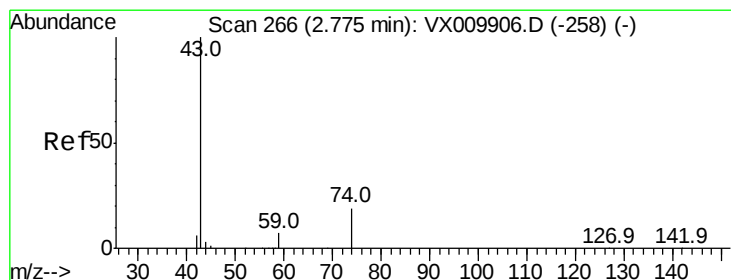
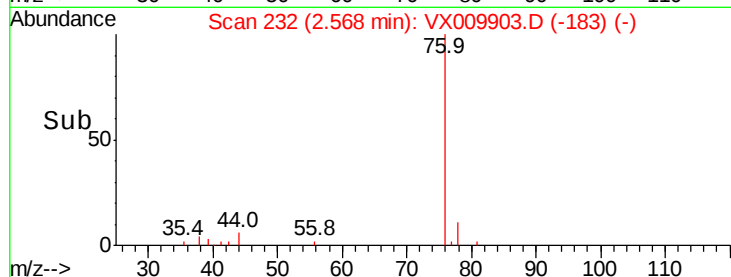
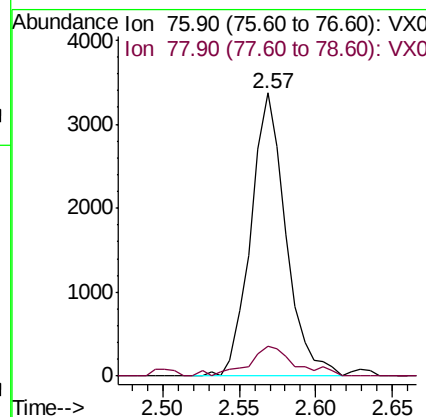
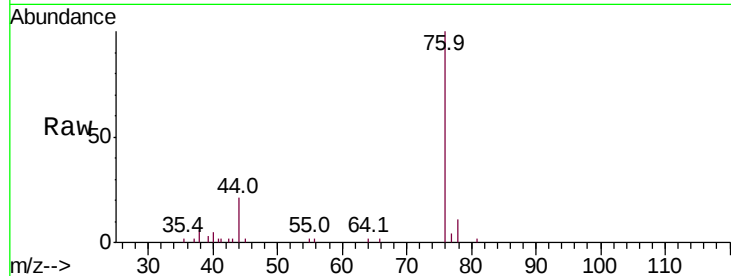
#17
Carbon Disulfide
Concen: 1.225 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.0	10.6

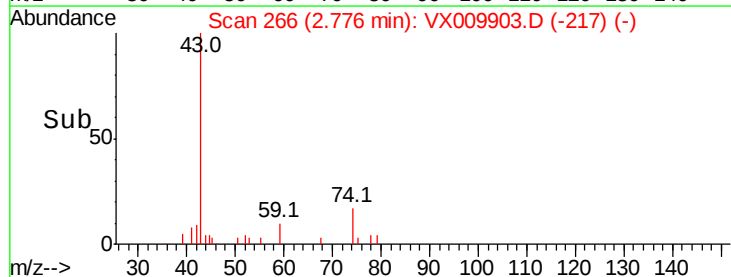
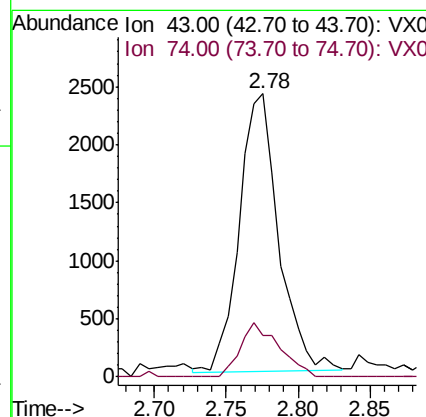
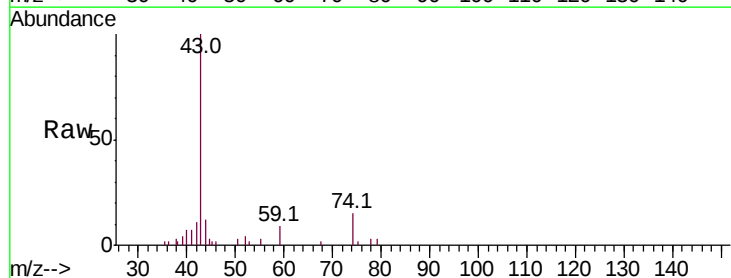
Manual Integrations
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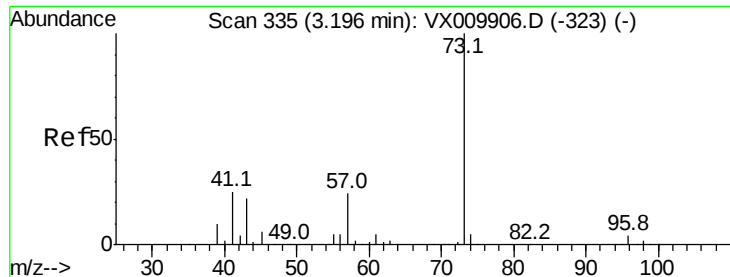
MMDadoda
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#18
Methyl Acetate
Concen: 1.587 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.8	23.6





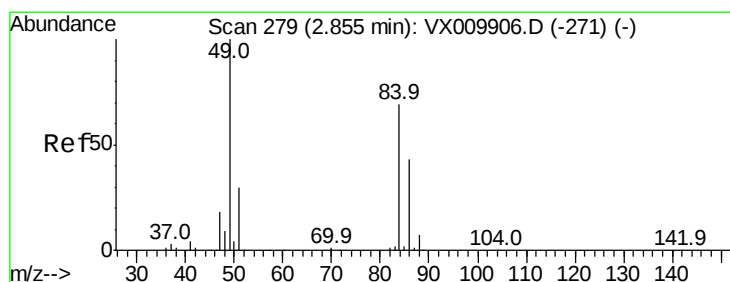
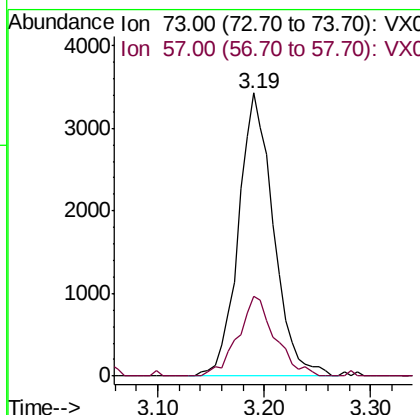
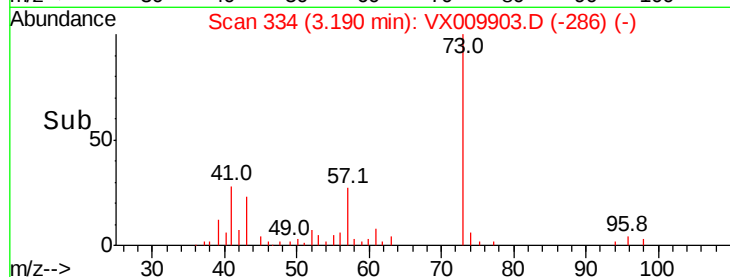
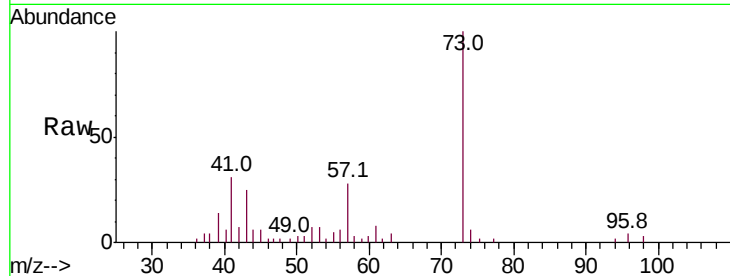
#19
Methvl tert-butvl Ether
Concen: 1.328 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 7902
Ion Ratio Lower Upper
73 100
57 28.2 19.4 29.2

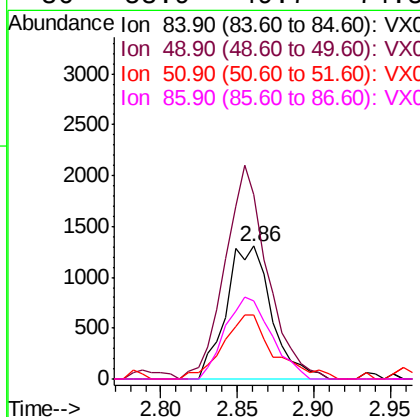
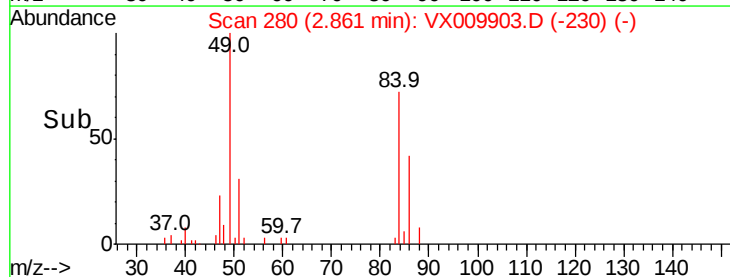
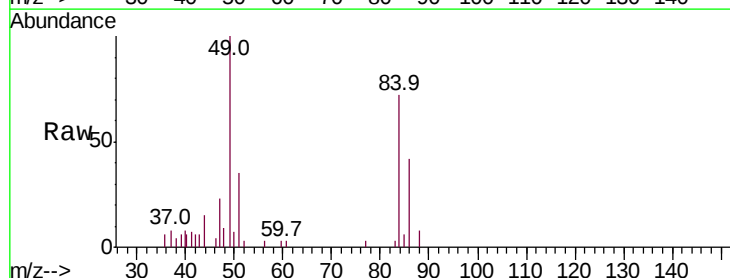
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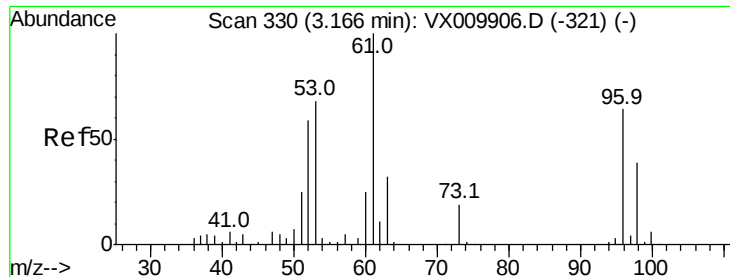
MMDadoda
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#20
Methylene Chloride
Concen: 1.386 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Tgt Ion: 84 Resp: 2687
Ion Ratio Lower Upper
84 100
49 139.4 115.8 173.6
51 48.5 34.4 51.6
86 58.9 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 1.296 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

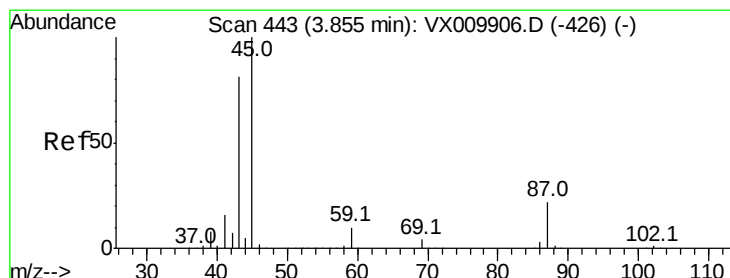
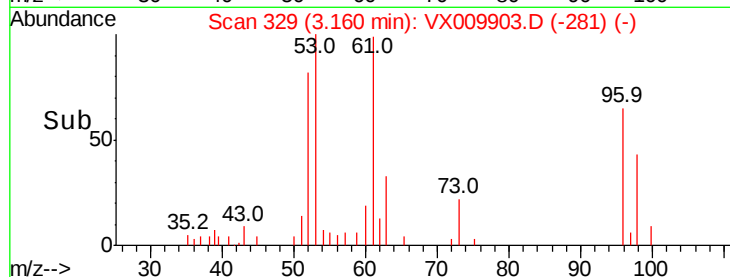
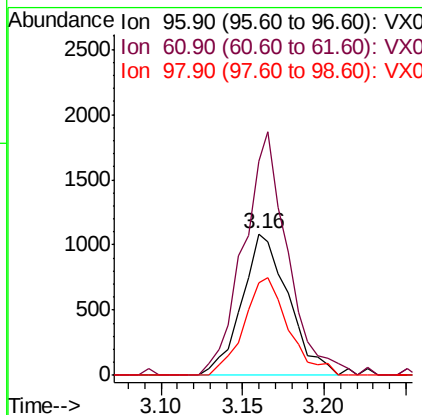
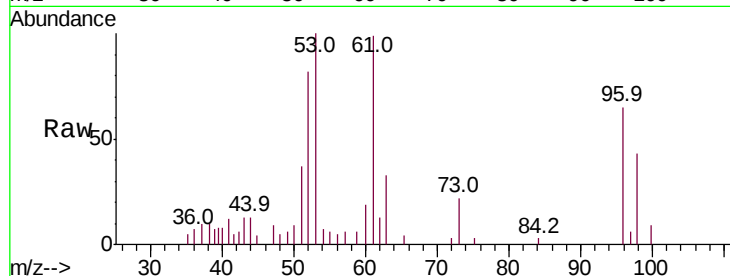
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	2156
Ion	Ratio	Lower	Upper
96	100		
61	151.6	125.7	188.5
98	65.2	49.0	73.6

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#22

Diisopropyl ether

Concen: 1.375 ug/l

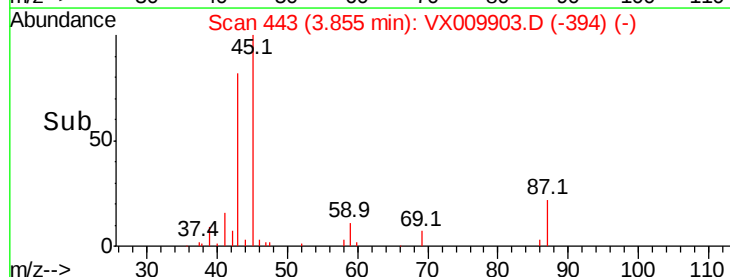
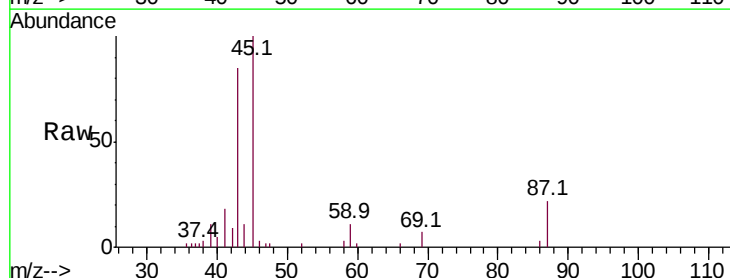
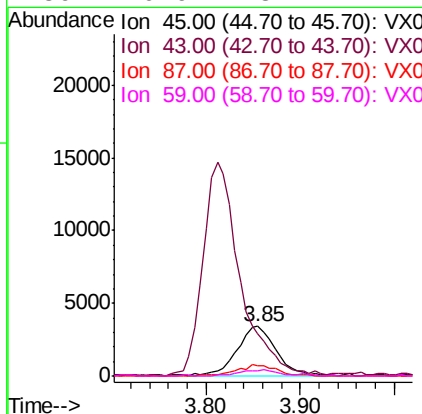
RT: 3.85 min Scan# 443

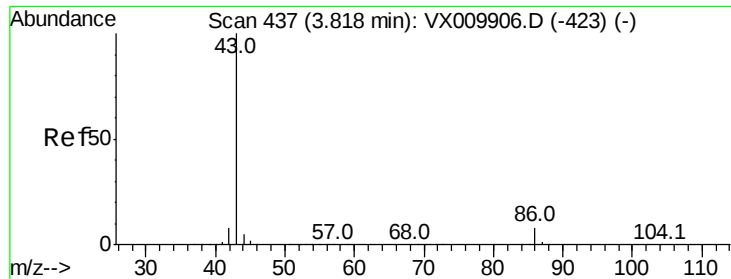
Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Tgt Ion:	45	Resp:	9927
Ion	Ratio	Lower	Upper
45	100		
43	80.8	65.0	97.4
87	21.6	17.3	25.9
59	10.9	8.1	12.1





#23

Vinyl Acetate

Concen: 6.539 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 40591

Ion Ratio Lower Upper

43 100

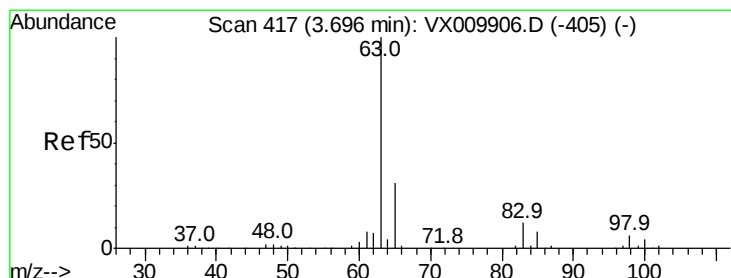
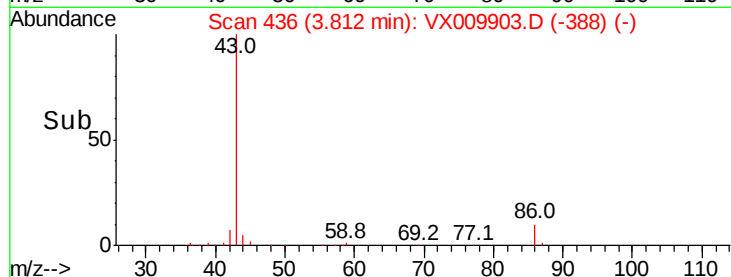
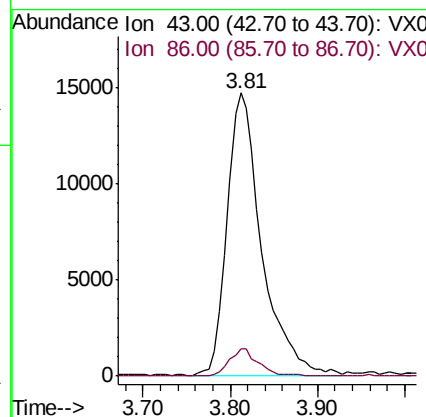
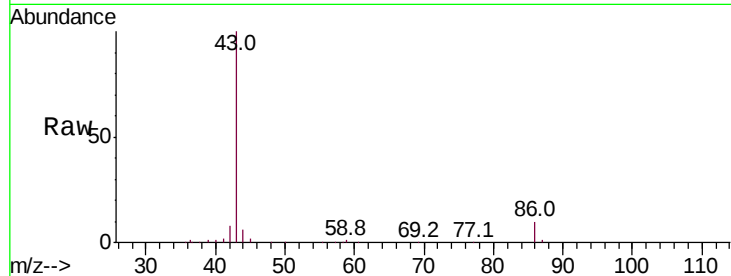
86 9.8 6.5 9.7#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 1.264 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

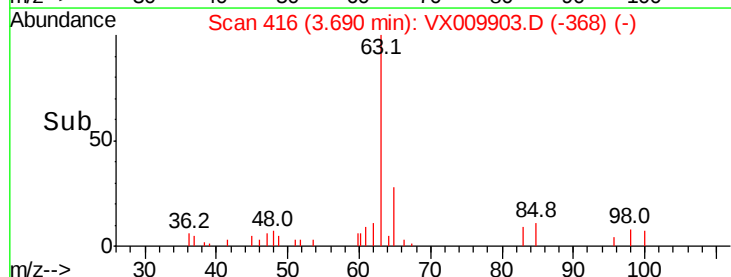
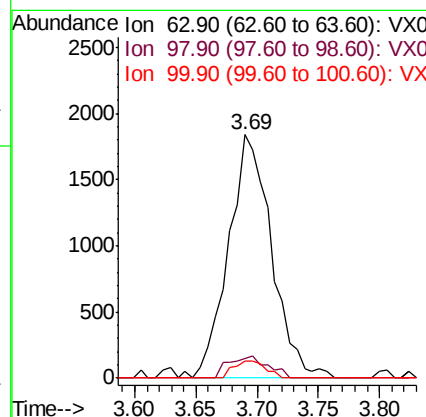
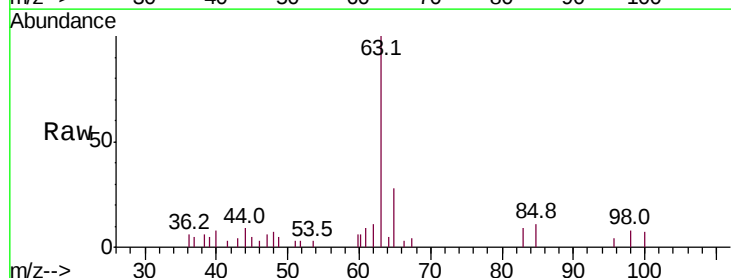
Tgt Ion: 63 Resp: 4489

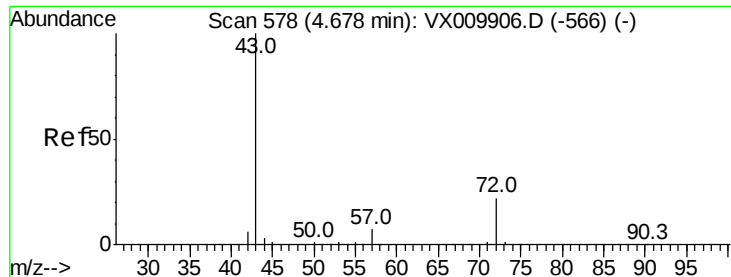
Ion Ratio Lower Upper

63 100

98 7.8 2.9 8.8

100 7.2 1.8 5.4#





#25

2-Butanone

Concen: 6.331 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 11892

Ion Ratio Lower Upper

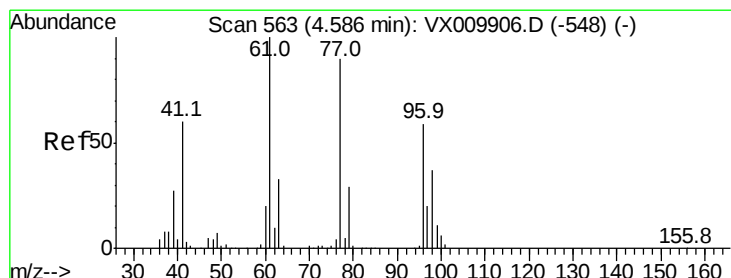
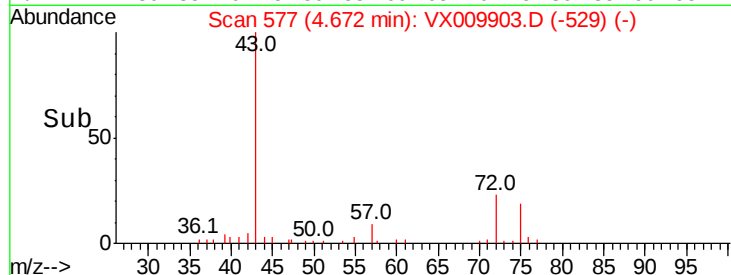
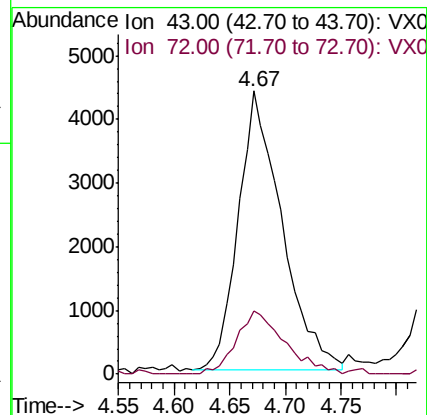
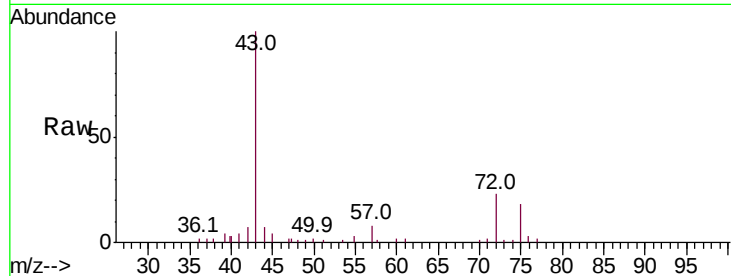
43 100

72 22.9 17.5 26.3

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#26

2,2-Dichloropropane

Concen: 1.275 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009903.D

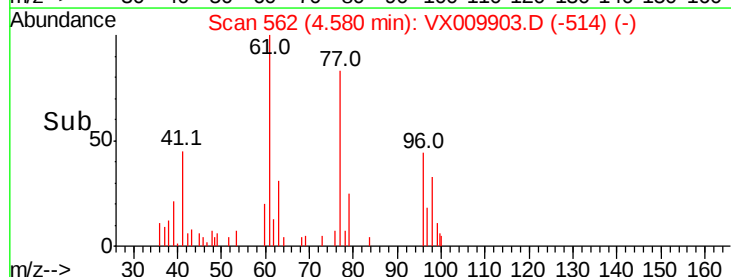
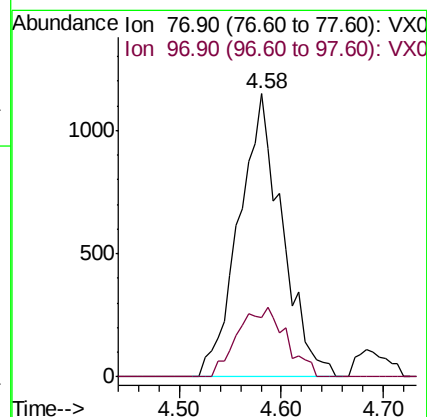
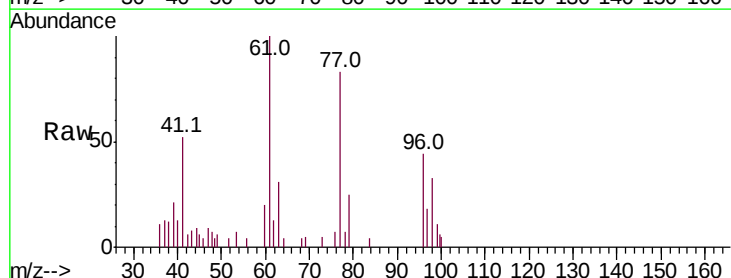
Acq: 28 May 2019 09:57

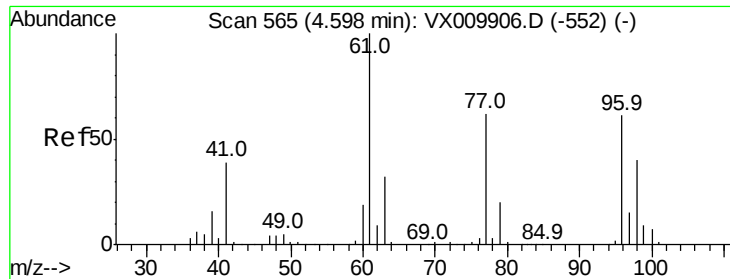
Tgt Ion: 77 Resp: 3374

Ion Ratio Lower Upper

77 100

97 27.7 11.4 34.2





#27

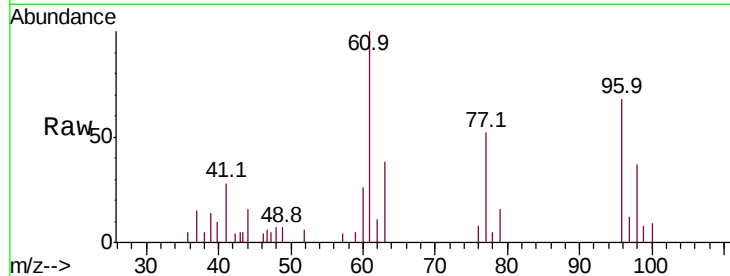
cis-1,2-Dichloroethene
Concen: 1.284 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	185.4	0.0	334.0
98	33.5	0.0	131.6

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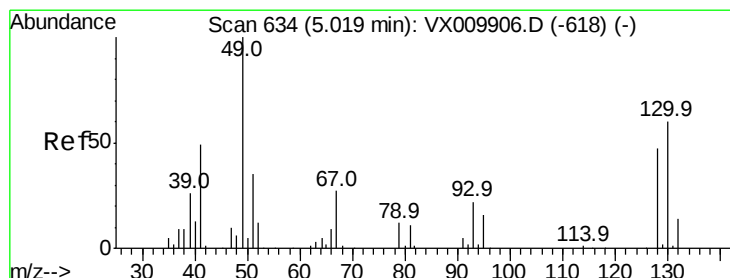
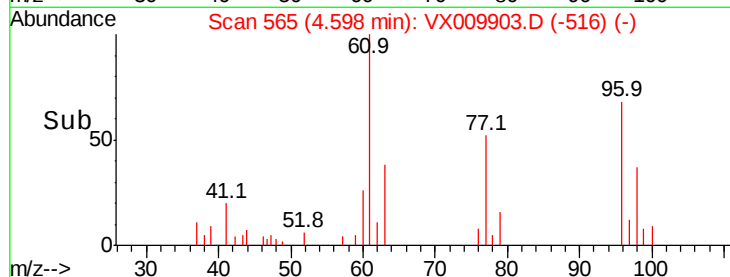
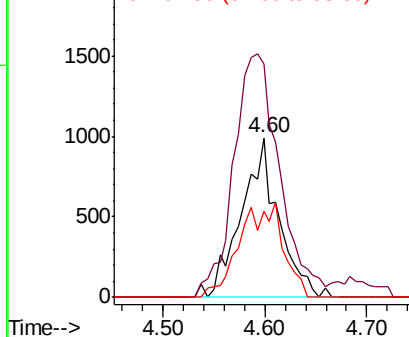


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

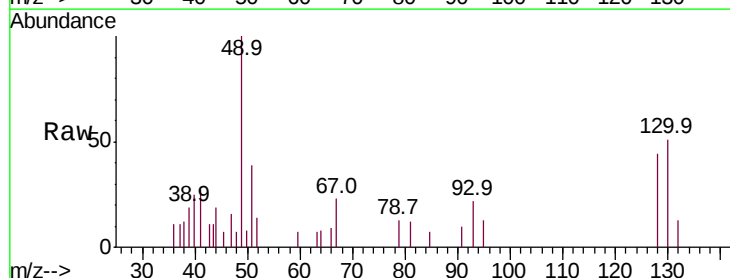
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 1.593 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	54.8	49.4	74.2

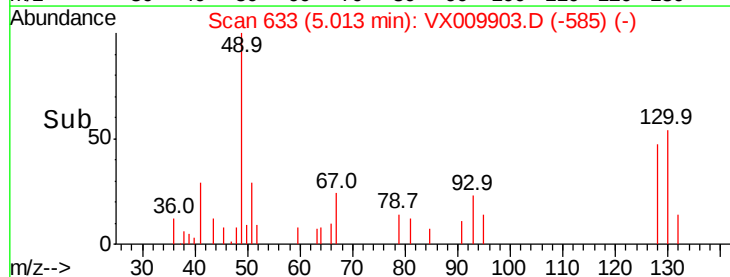
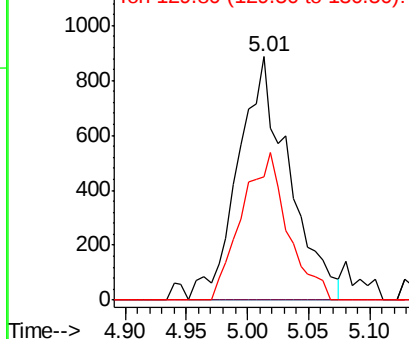


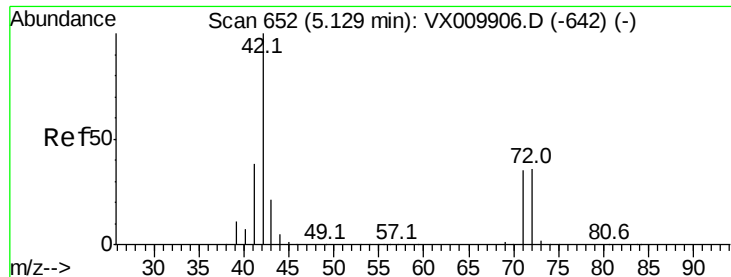
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 7.168 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

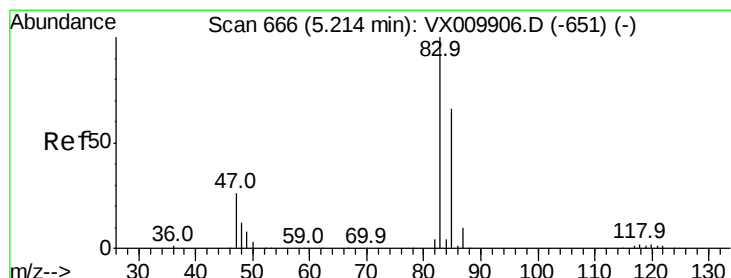
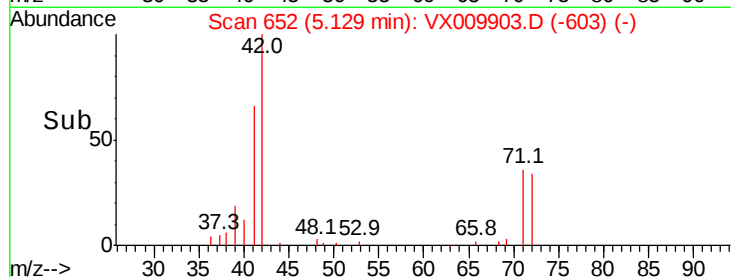
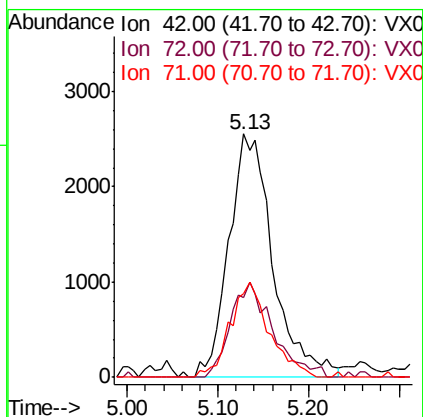
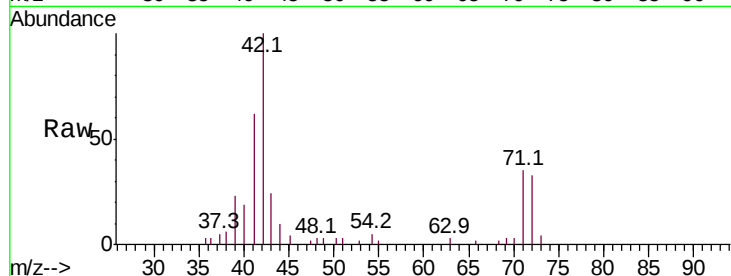
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	8645
Ion	Ratio	Lower	Upper
42	100		
72	37.7	29.2	43.8
71	34.8	27.6	41.4

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#30

Chloroform

Concen: 1.364 ug/l

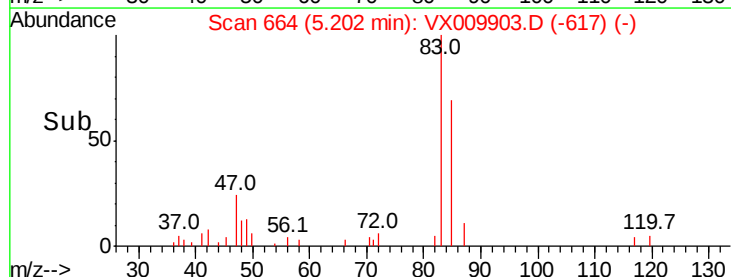
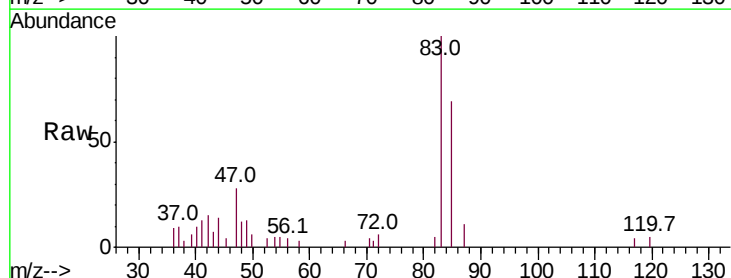
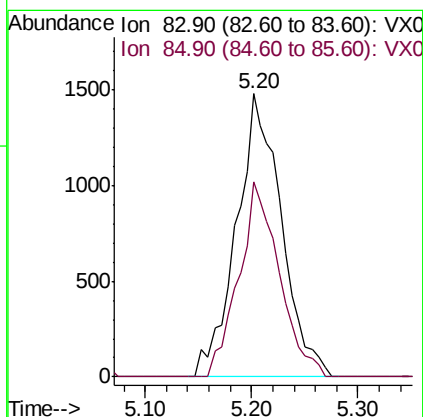
RT: 5.20 min Scan# 664

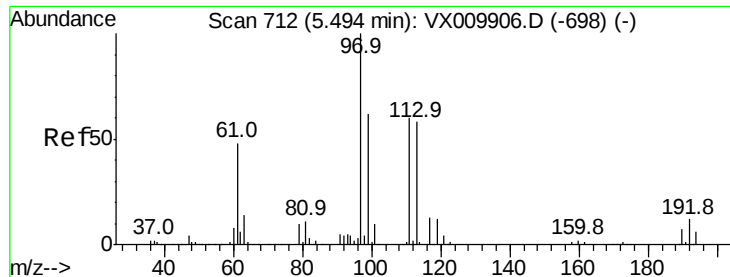
Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Tgt Ion:	83	Resp:	4371
Ion	Ratio	Lower	Upper
83	100		
85	68.8	52.6	78.8





#32

1,1,1-Trichloroethane

Concen: 1.169 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

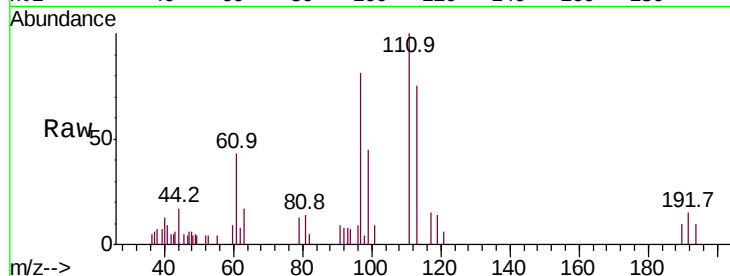
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	3126
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.0	76.4#
61	56.9	38.7	58.1

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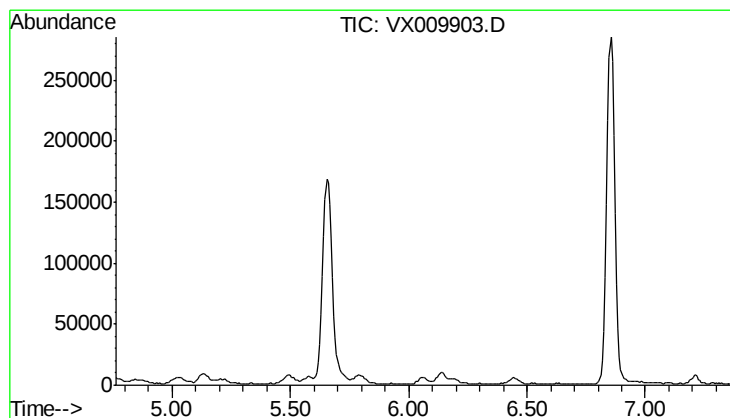
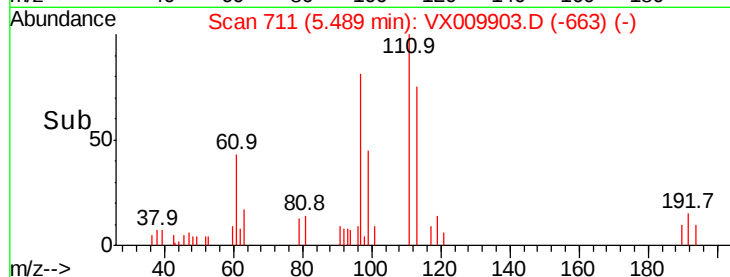
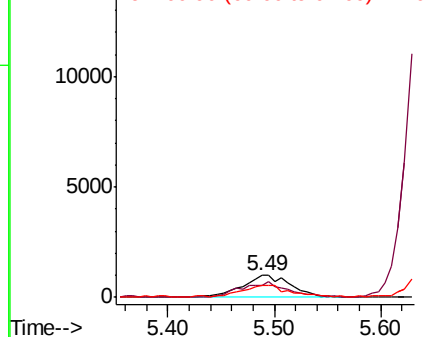


Abundance

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: 0.000 ug/l

Expected RT: 6.06 min

Lab File: VX009903.D

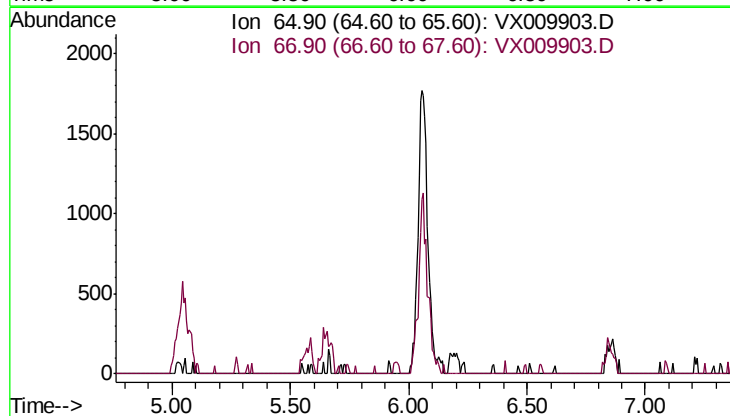
Acq: 28 May 2019 09:57

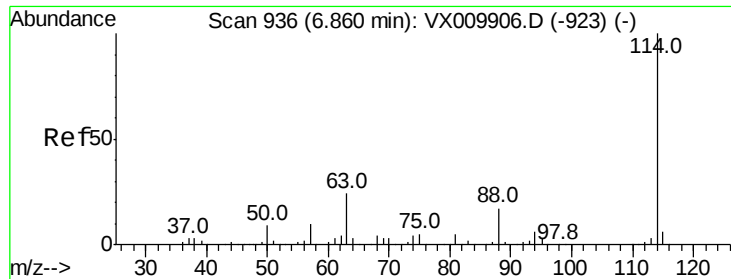
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.2





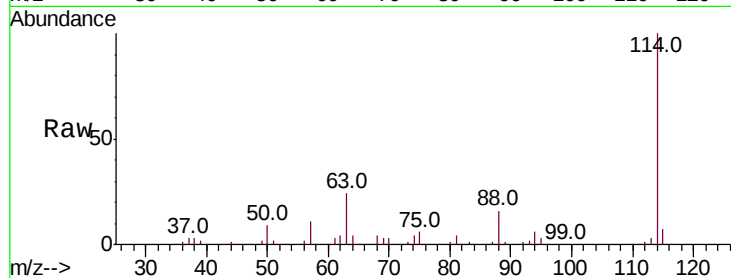
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	24.1	0.0	47.4
88	16.4	0.0	33.0

Manual Integrations
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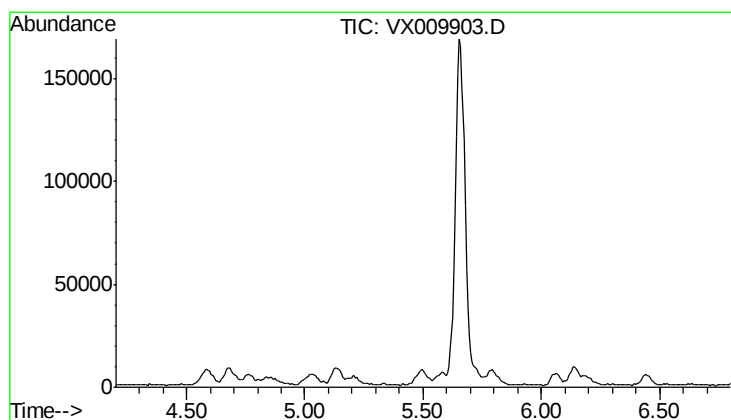
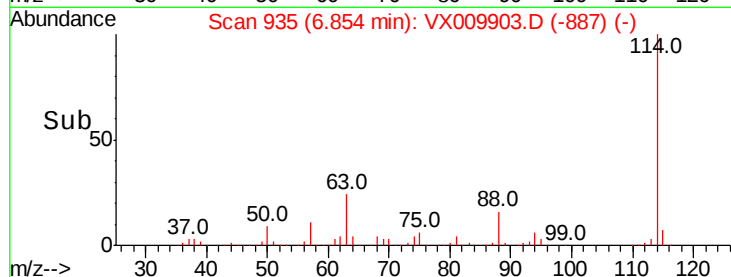
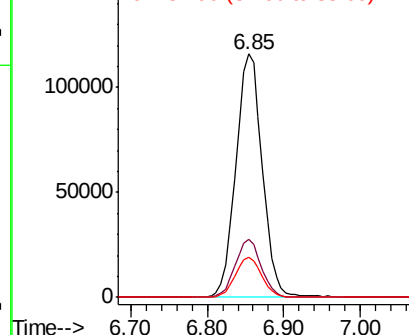


Abundance

Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

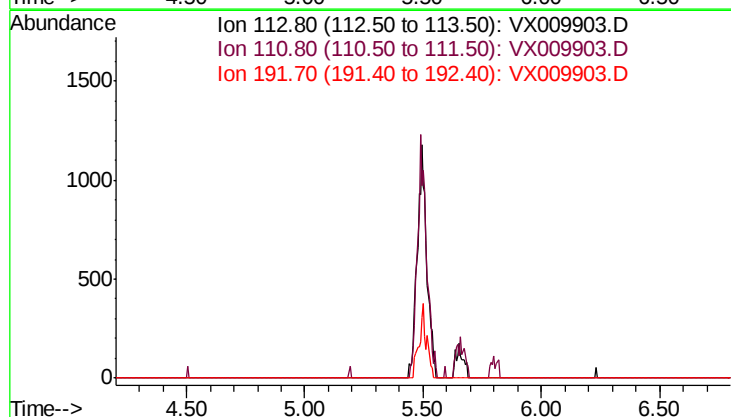
Ion 87.90 (87.60 to 88.60): VX0

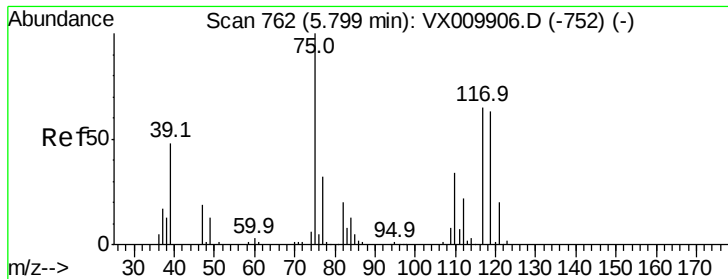


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 5.50 min

Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Tgt Ion	Exp Ratio
113	100
111	102.7
192	21.4





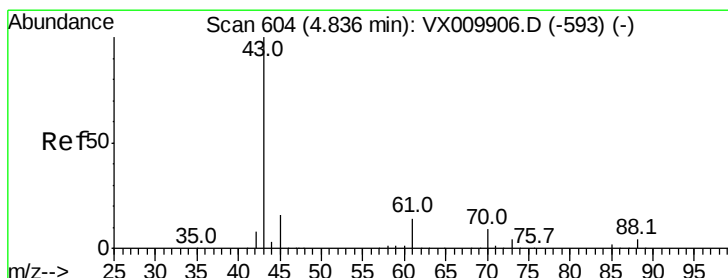
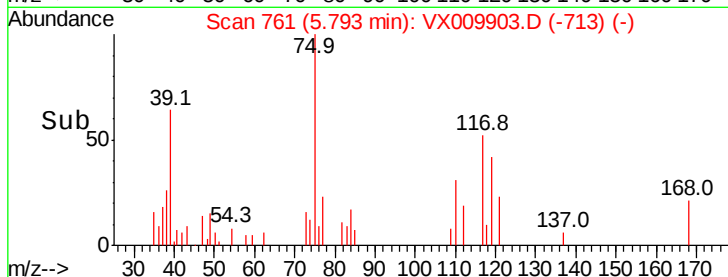
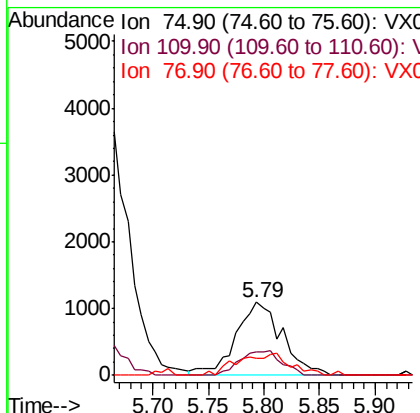
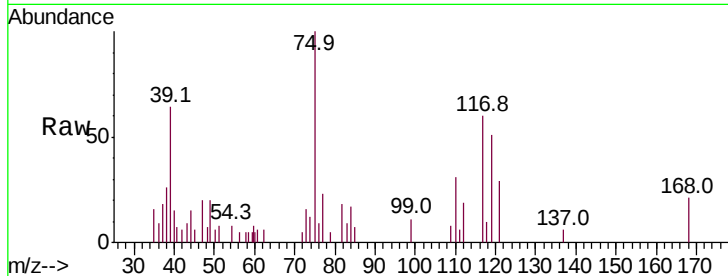
#36
 1,1-Dichloropropene
 Concen: 1.215 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.1	16.7	50.1
77	34.2	25.0	37.4

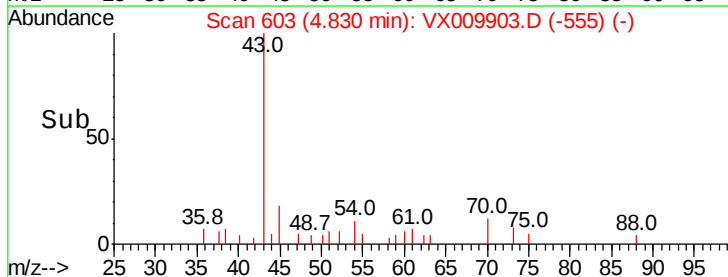
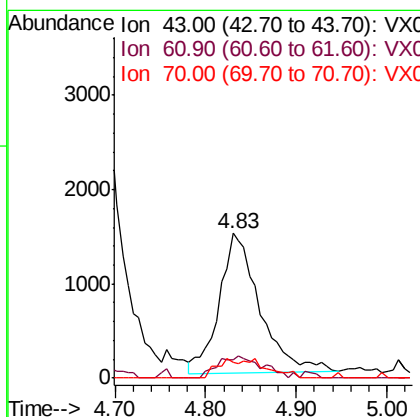
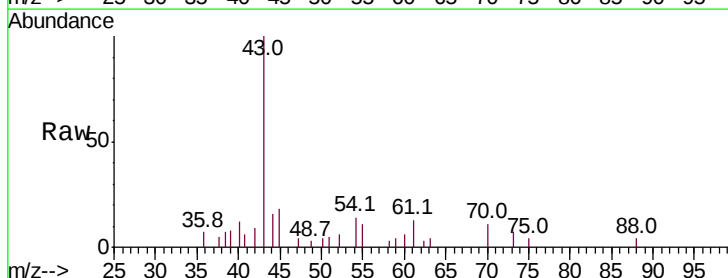
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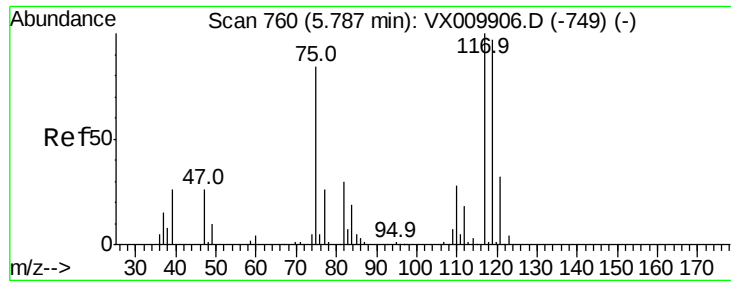
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 5/29/2019 9:24:38 AM



#37
 Ethyl Acetate
 Concen: 1.261 ug/l
 RT: 4.83 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.2	10.2	15.2#
70	7.2	7.4	11.2#





#38

Carbon Tetrachloride

Concen: 1.118 ug/l

RT: 5.78 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 2649

Ion Ratio Lower Upper

117 100

119 89.3 77.3 115.9

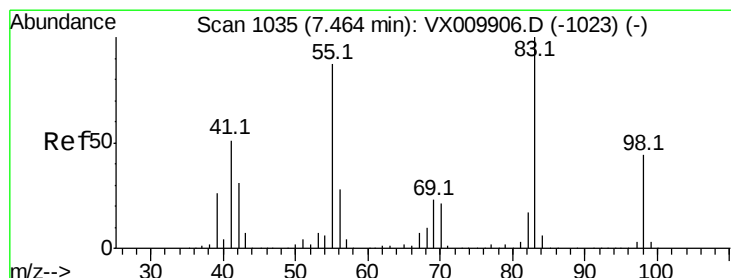
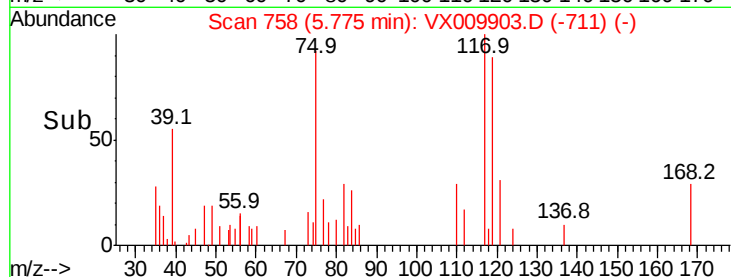
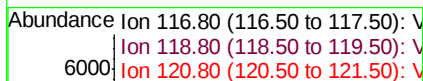
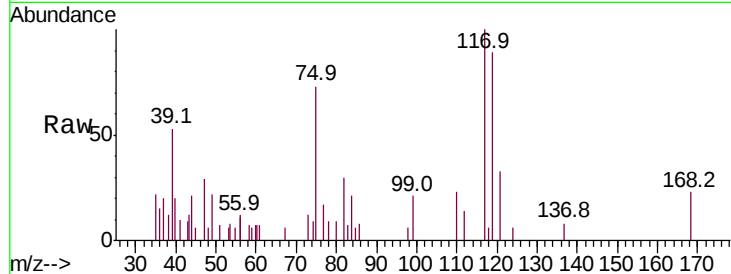
121 32.8 25.4 38.0

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#39

Methylcyclohexane

Concen: 0.991 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

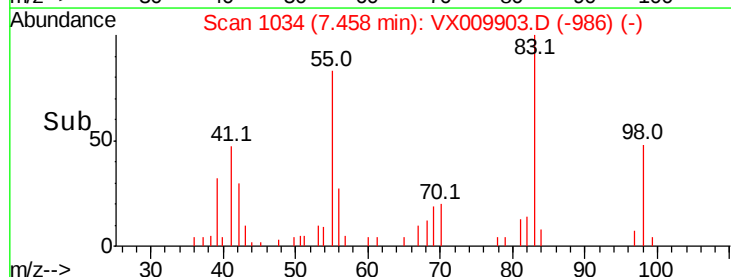
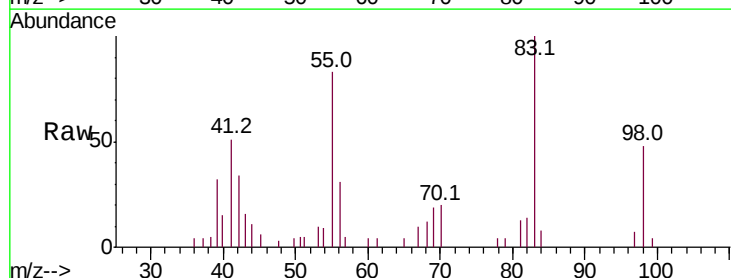
Tgt Ion: 83 Resp: 3184

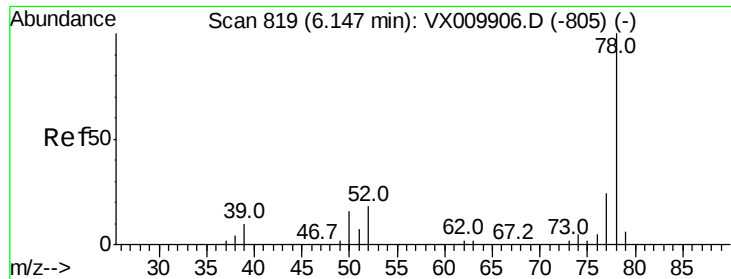
Ion Ratio Lower Upper

83 100

55 83.0 69.9 104.9

98 48.2 35.1 52.7





#40

Benzene

Concen: 1.228 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 9889

Ion Ratio Lower Upper

78 100

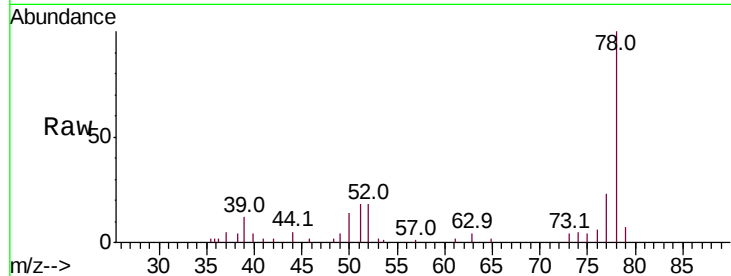
77 23.1 19.2 28.8

Manual Integrations

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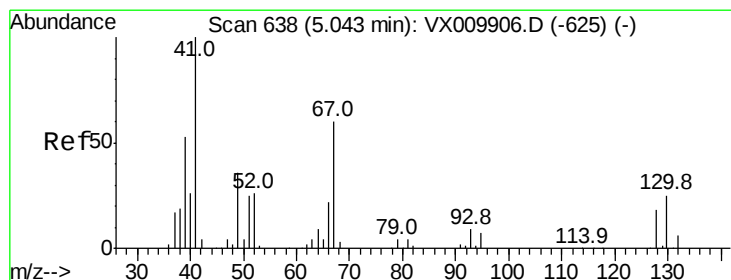
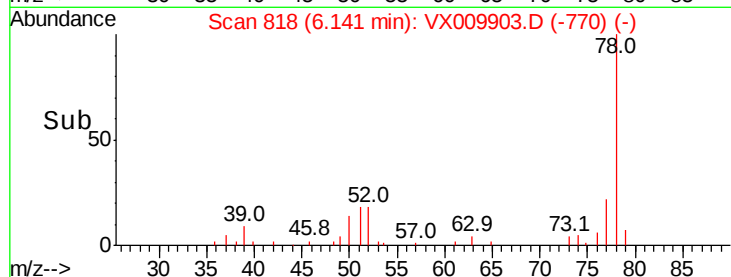
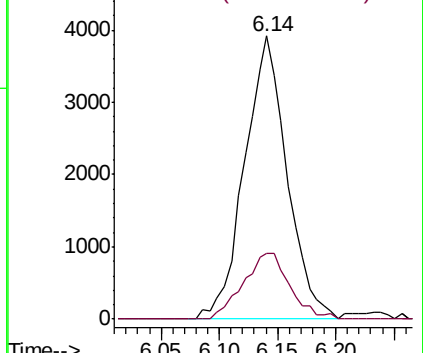
MMDadoda

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 1.208 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Tgt Ion: 41 Resp: 2616

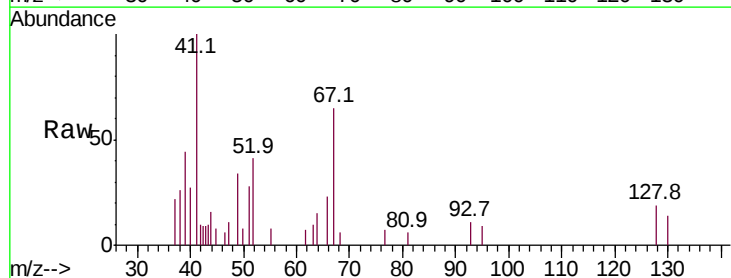
Ion Ratio Lower Upper

41 100

39 58.9 42.2 63.4

67 64.5 48.9 73.3

52 31.0 20.1 30.1#

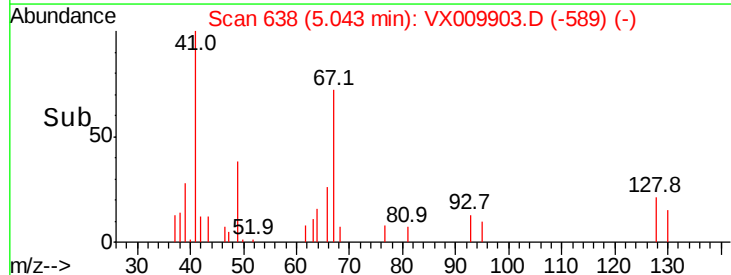
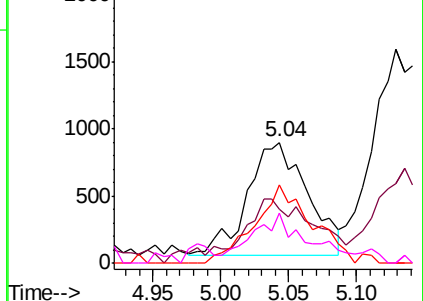


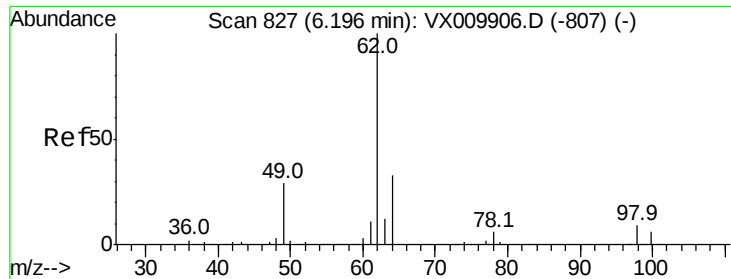
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





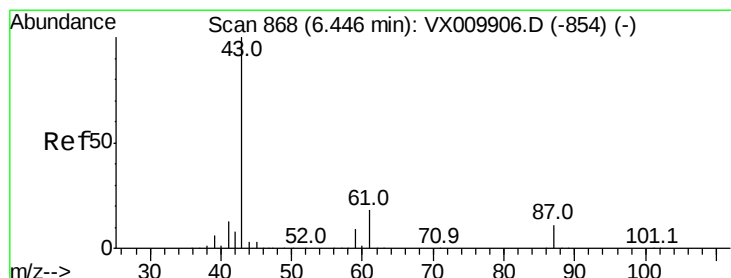
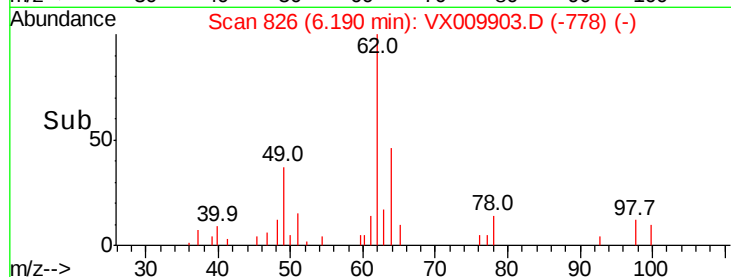
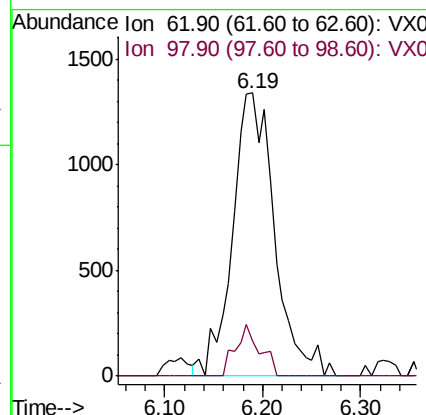
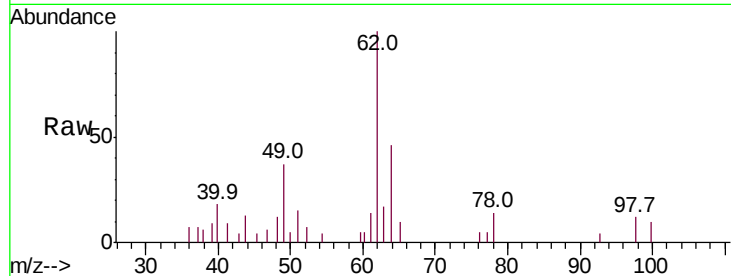
#42
 1,2-Dichloroethane
 Concen: 1.375 ug/l
 RT: 6.19 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	17.2

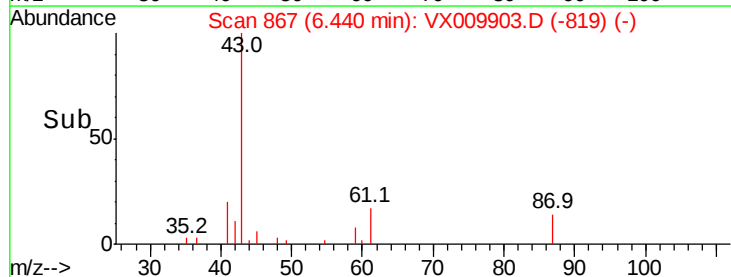
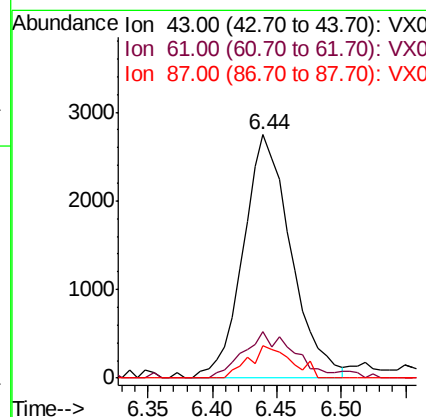
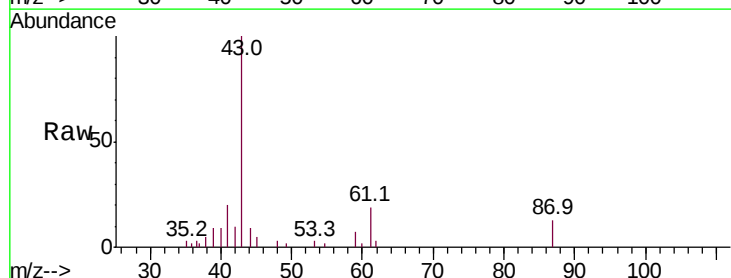
Manual Integrations
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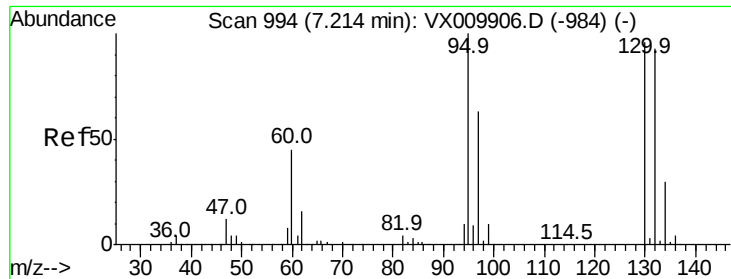
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 5/29/2019 9:24:38 AM



#43
 Isopropyl Acetate
 Concen: 1.211 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.1	14.6	21.8
87	11.7	8.7	13.1





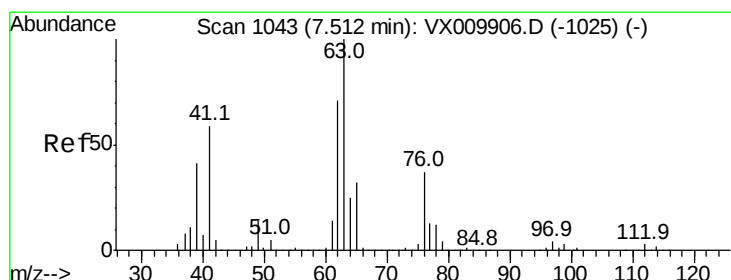
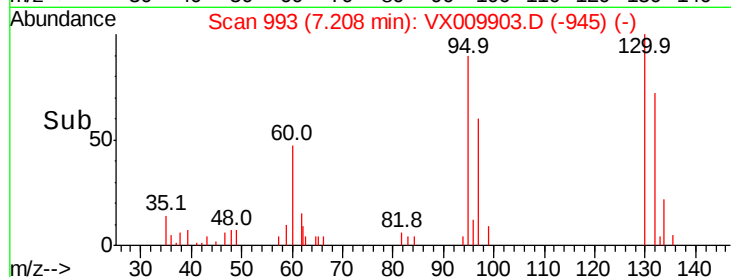
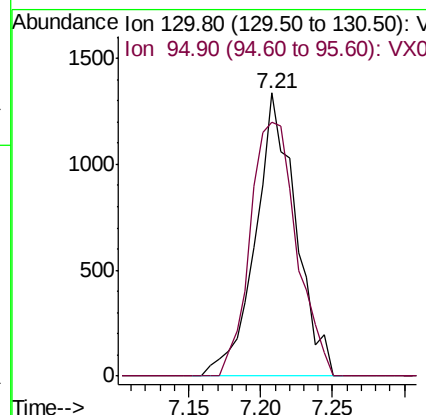
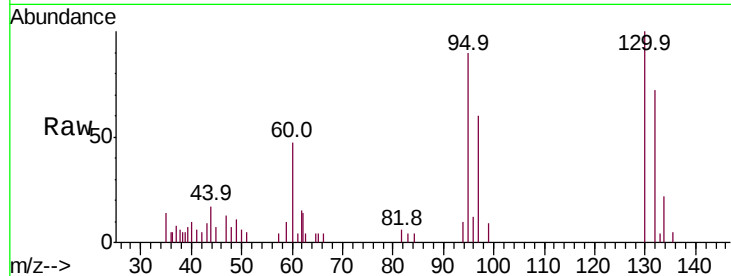
#44
 Trichloroethene
 Concen: 1.336 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 2598
 Ion Ratio Lower Upper
 130 100
 95 89.5 0.0 207.4

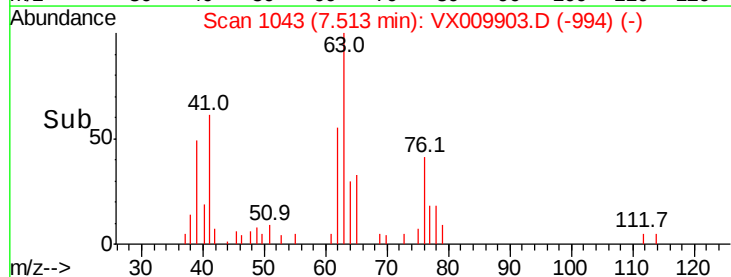
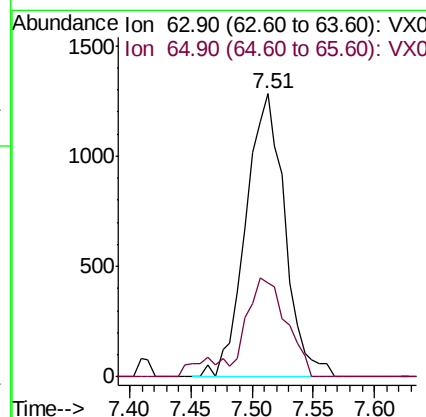
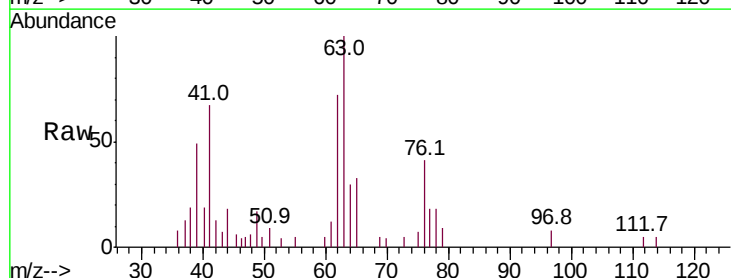
Manual Integrations
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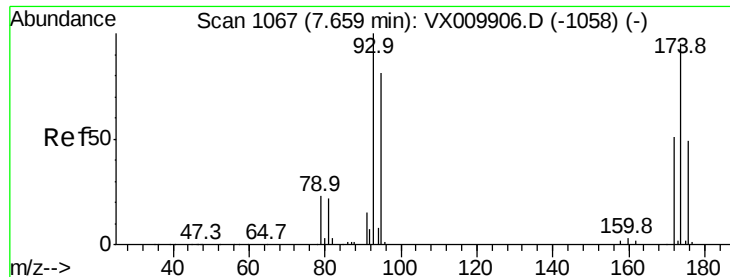
MMDadoda
 5/29/2019 9:24:38 AM



#45
 1,2-Dichloropropane
 Concen: 1.249 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Tgt Ion: 63 Resp: 2848
 Ion Ratio Lower Upper
 63 100
 65 33.2 25.7 38.5





#46

Dibromomethane

Concen: 1.300 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

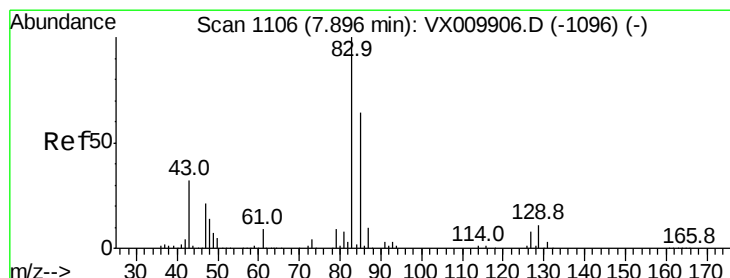
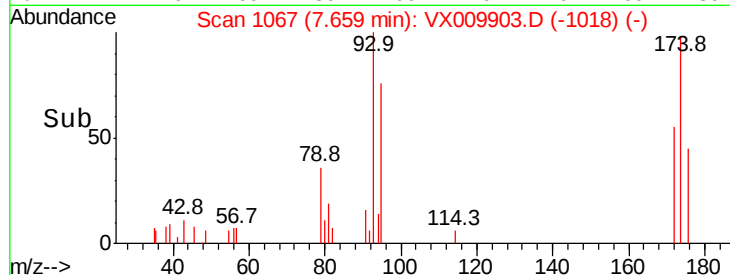
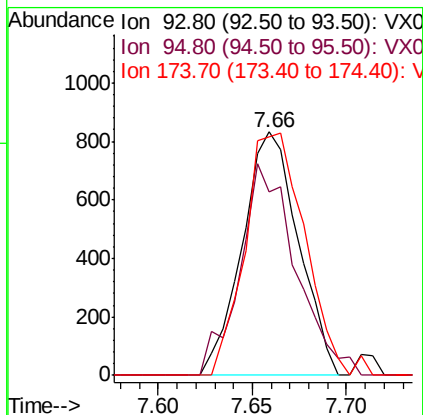
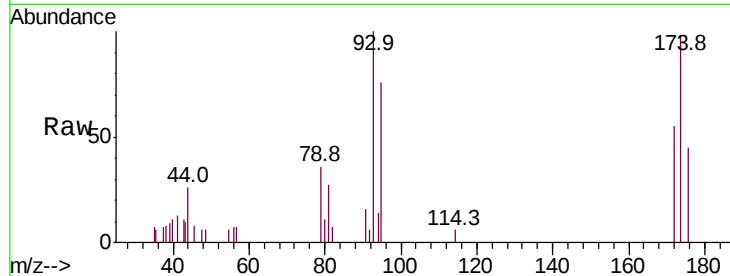
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	1720
Ion	Ratio	Lower	Upper
93	100		
95	87.2	66.8	100.2
174	105.2	81.9	122.9

Manual Integrations
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MMDadoda
5/29/2019 9:24:38 AM



#47

Bromodichloromethane

Concen: 1.262 ug/l

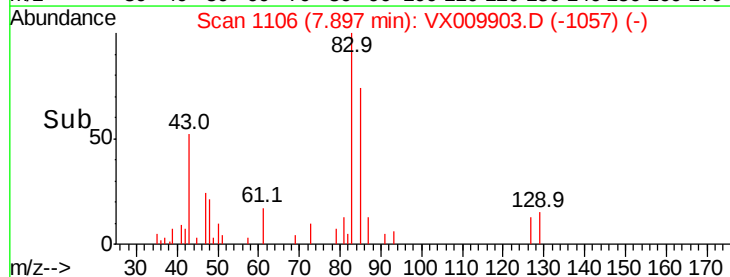
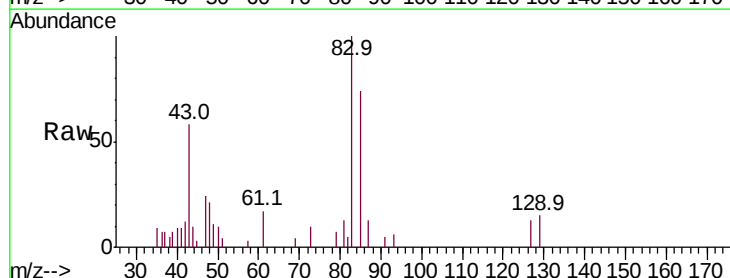
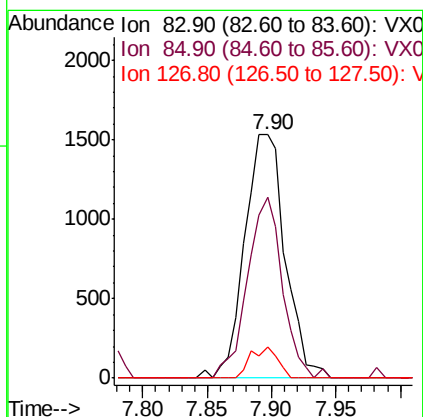
RT: 7.90 min Scan# 1106

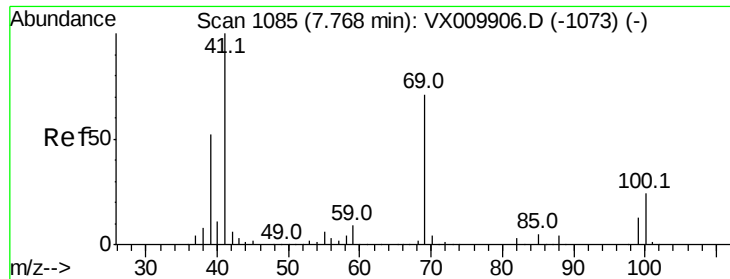
Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Tgt Ion:	83	Resp:	3325
Ion	Ratio	Lower	Upper
83	100		
85	74.3	51.4	77.2
127	12.9	6.4	9.6#





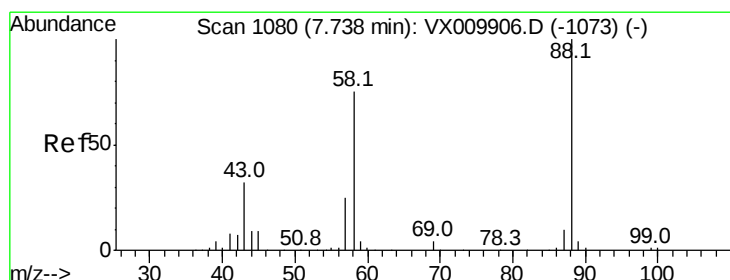
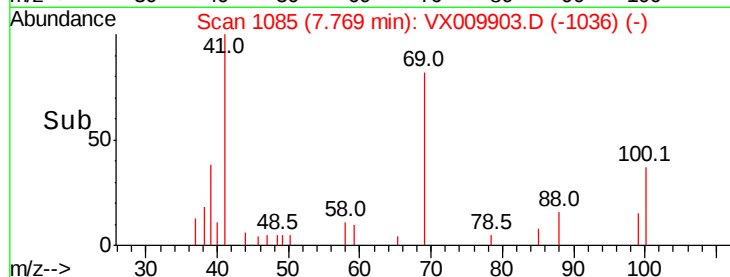
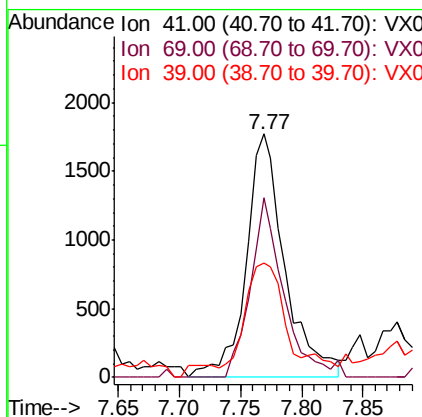
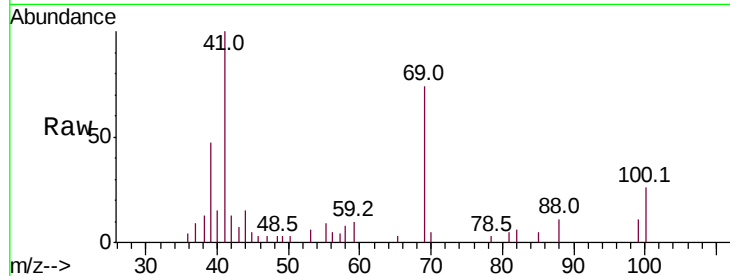
#48
Methvl methacrylate
Concen: 1.342 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	63.7	56.4	84.6
39	40.0	40.6	60.8#

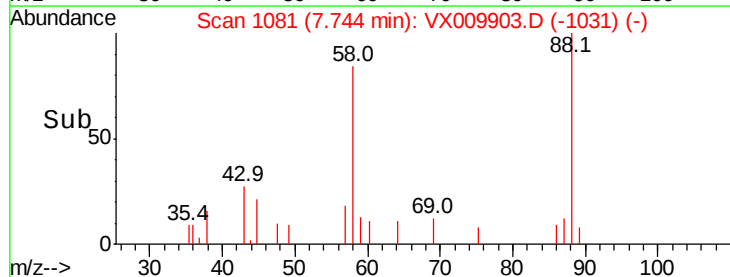
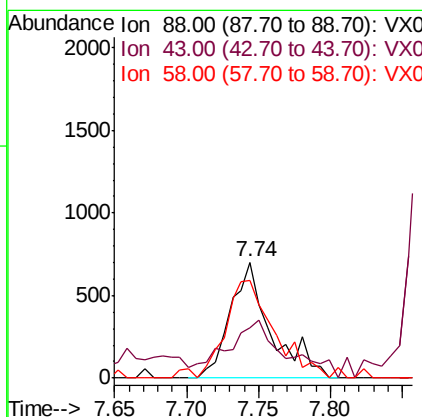
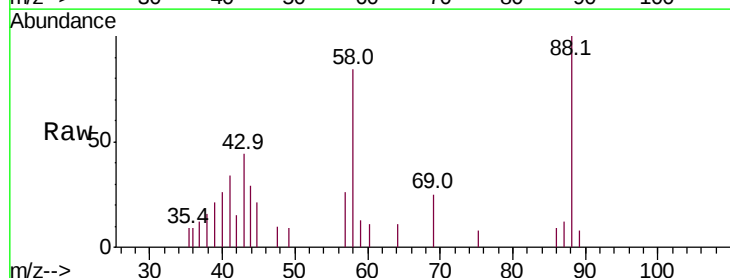
Manual Integrations
APPROVED

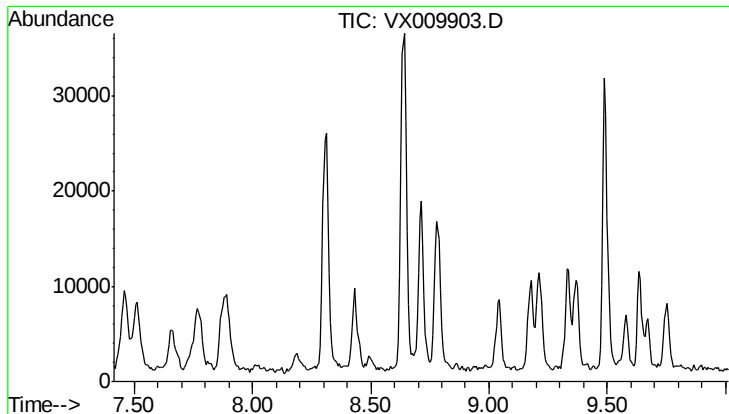
MMDadoda
5/29/2019 9:24:38 AM



#49
1,4-Dioxane
Concen: 23.726 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
88	100		
43	71.9	30.2	45.4#
58	104.9	64.0	96.0#





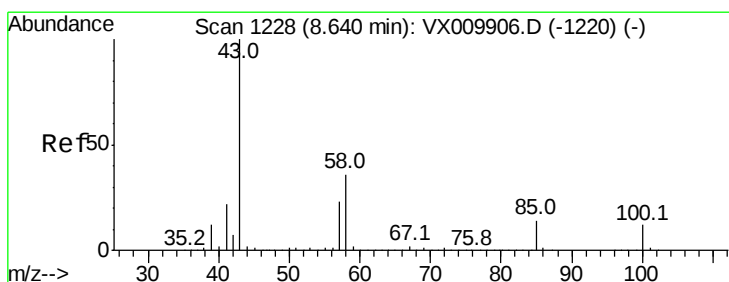
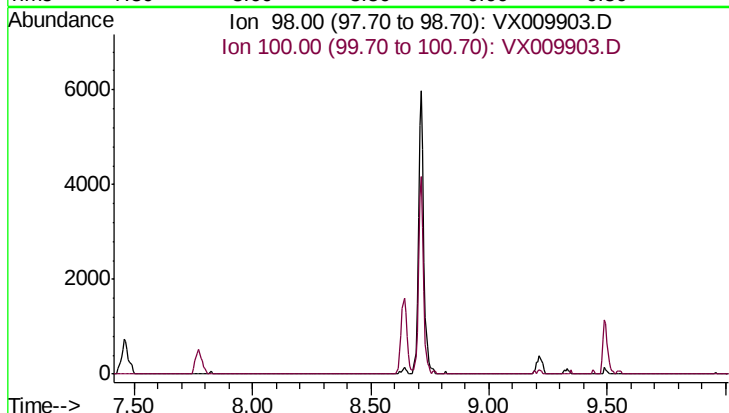
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.71 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.4

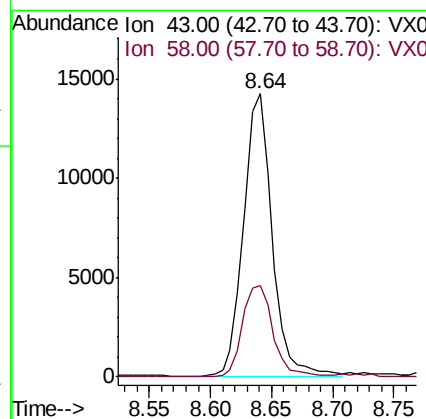
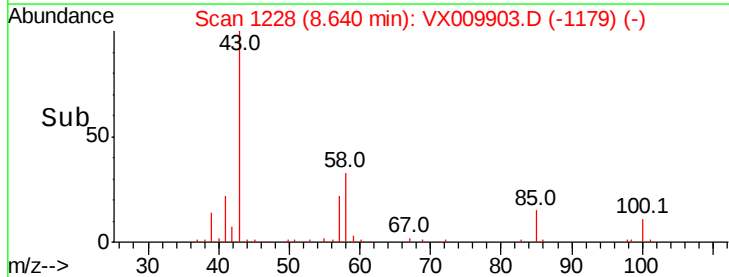
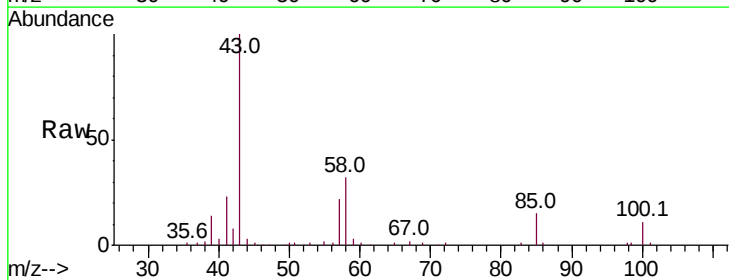
Manual Integrations
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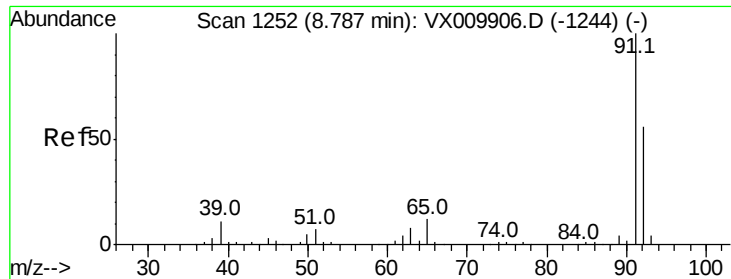
MMDadoda
5/29/2019 9:24:38 AM



#51
4-Methyl-2-Pentanone
Concen: 6.086 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Tgt Ion: 43 Resp: 23256
Ion Ratio Lower Upper
43 100
58 34.2 28.8 43.2





#52

Toluene

Concen: 1.118 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 5475

Ion Ratio Lower Upper

92 100

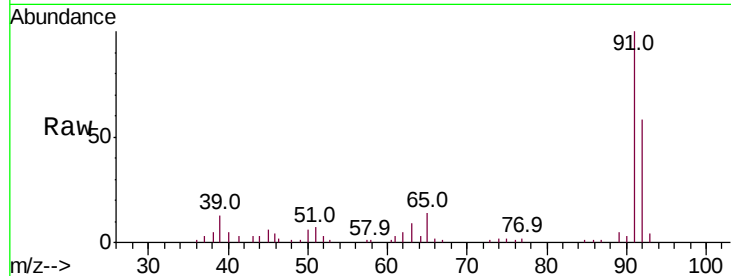
91 176.4 139.9 209.9

Manual Integrations

APPROVED

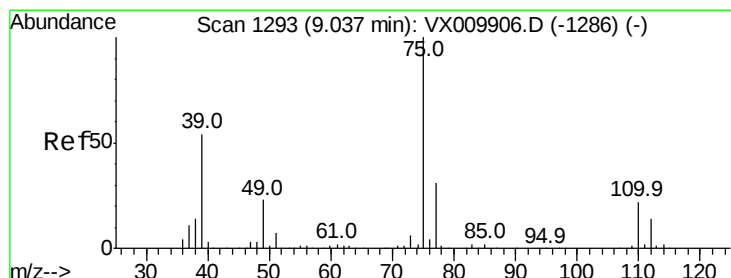
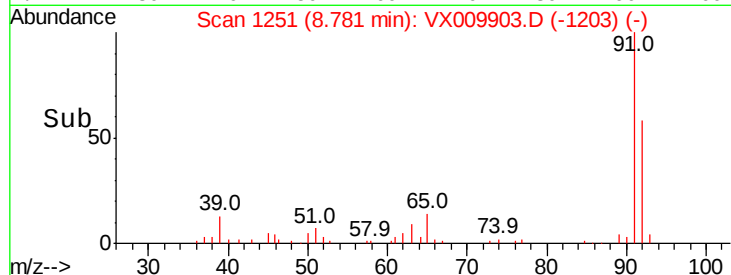
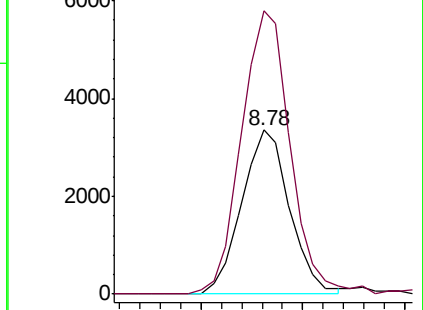
MMDadoda

5/29/2019 9:24:38 AM



Abundance Ion 92.00 (91.70 to 92.70): VX009906.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX009903.D (-1203) (-)



#53

t-1,3-Dichloropropene

Concen: 1.162 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX009903.D

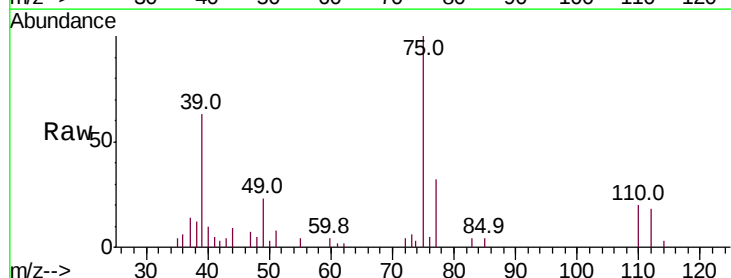
Acq: 28 May 2019 09:57

Tgt Ion: 75 Resp: 3483

Ion Ratio Lower Upper

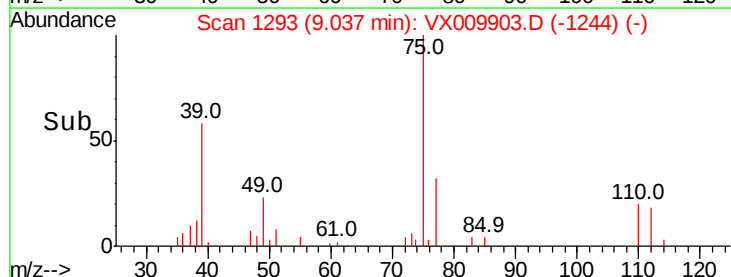
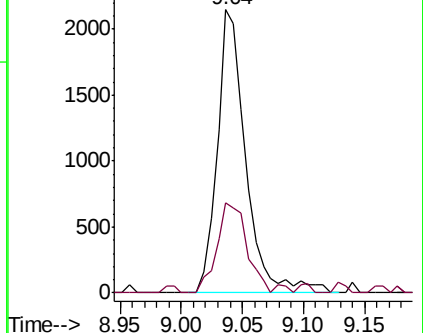
75 100

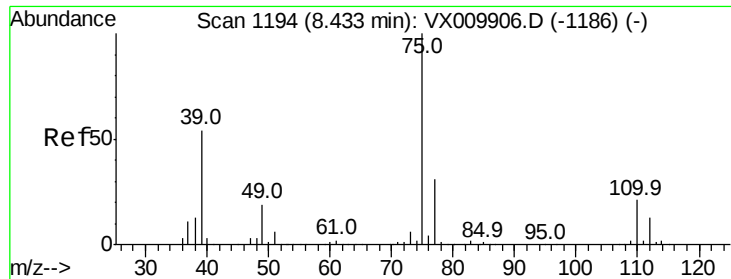
77 32.1 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VX009906.D (-1286) (-)

Ion 76.90 (76.60 to 77.60): VX009903.D (-1244) (-)





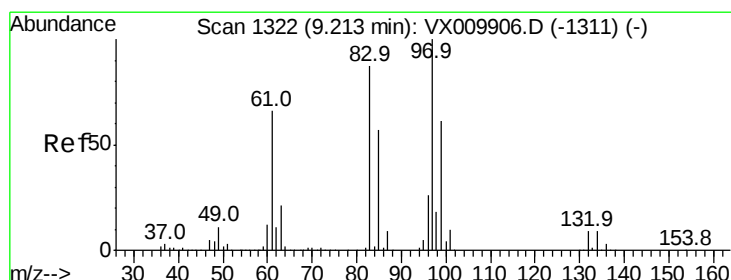
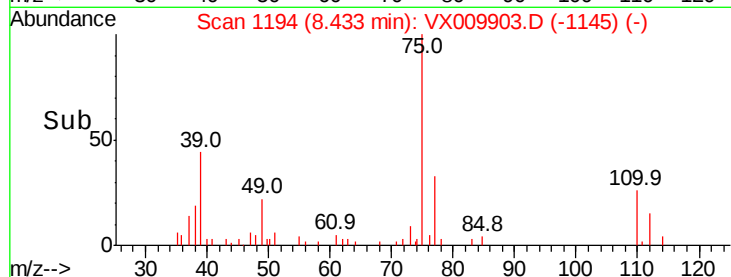
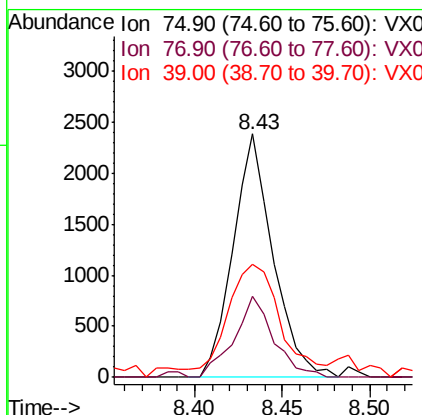
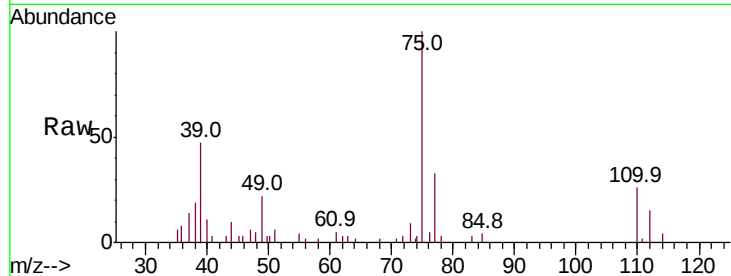
#54
 cis-1,3-Dichloropropene
 Concen: 1.144 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.8	37.2
39	43.2	43.4	65.0#

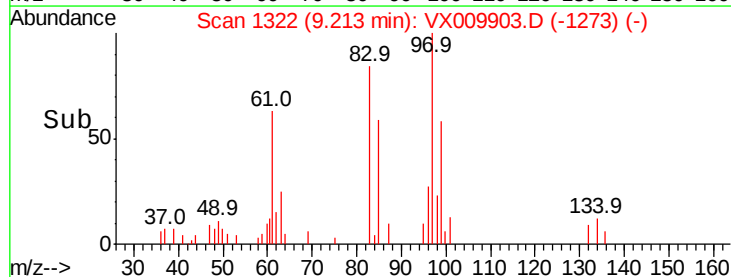
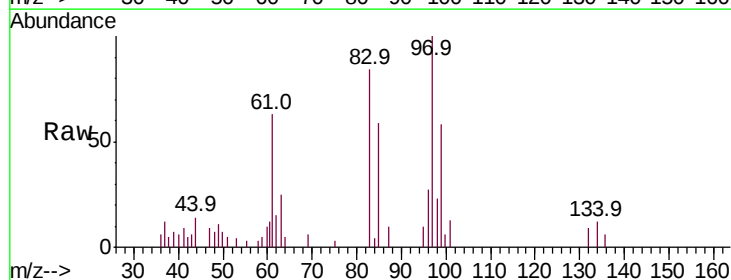
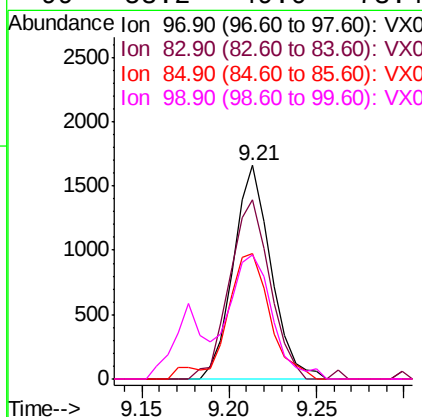
Manual Integrations
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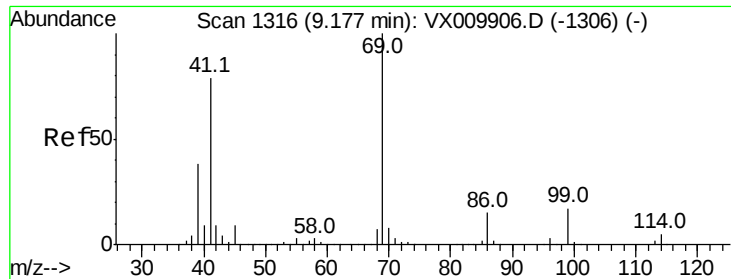
MMDadoda
 5/29/2019 9:24:38 AM



#55
 1,1,2-Trichloroethane
 Concen: 1.253 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.8	104.8
85	58.6	45.3	67.9
99	58.2	49.0	73.4





#56

Ethyl methacrylate

Concen: 1.127 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

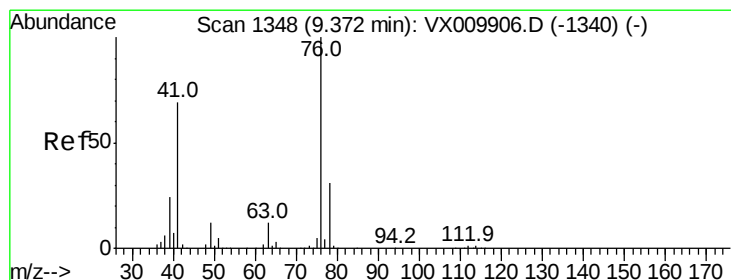
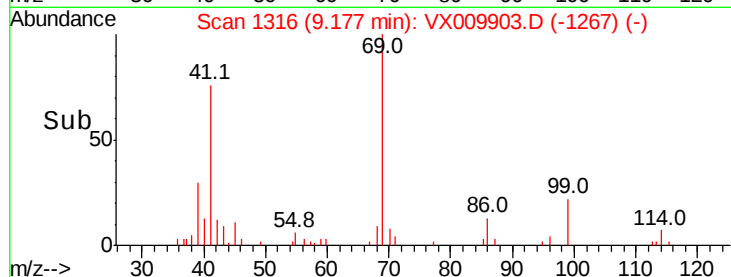
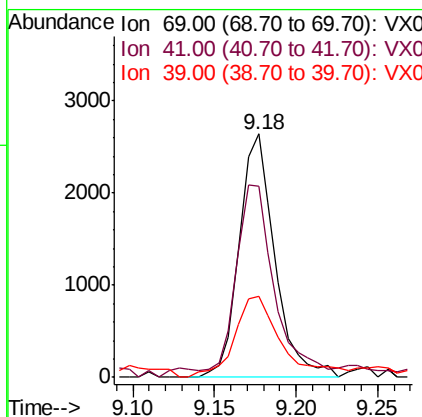
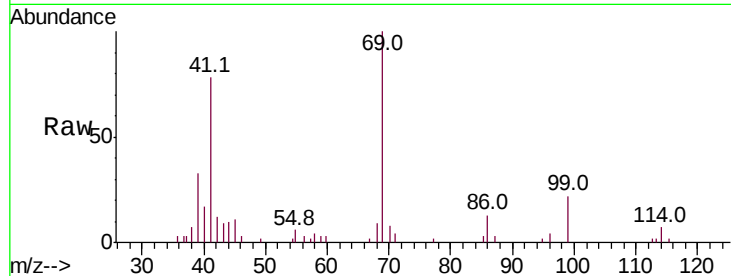
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4025
Ion Ratio	Lower	Upper	
69	100		
41	85.8	62.7	94.1
39	43.6	29.5	44.3

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 1.249 ug/l

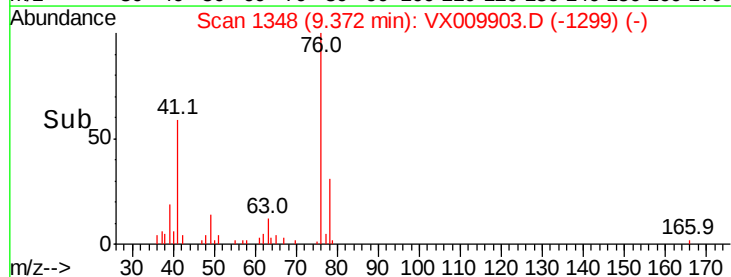
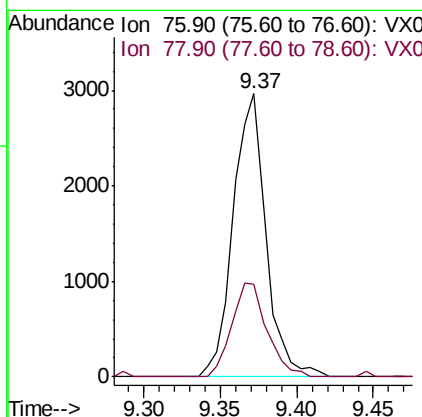
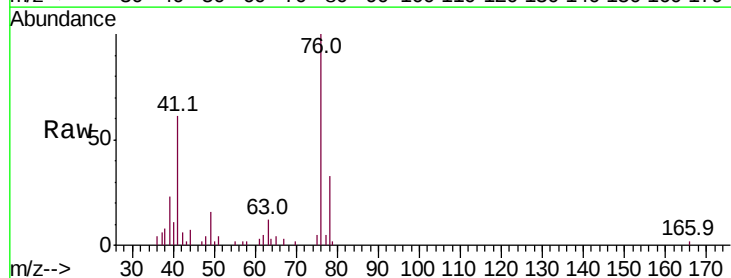
RT: 9.37 min Scan# 1348

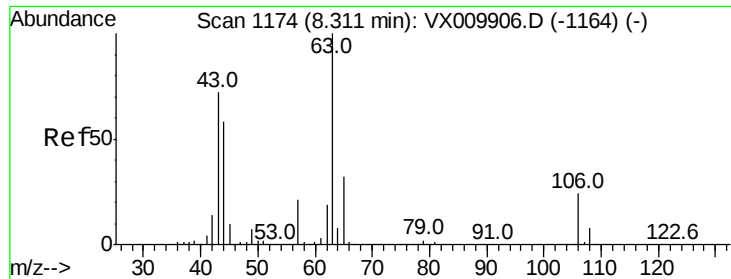
Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Tgt Ion:	76	Resp:	4388
Ion Ratio	Lower	Upper	
76	100		
78	35.9	25.4	38.0





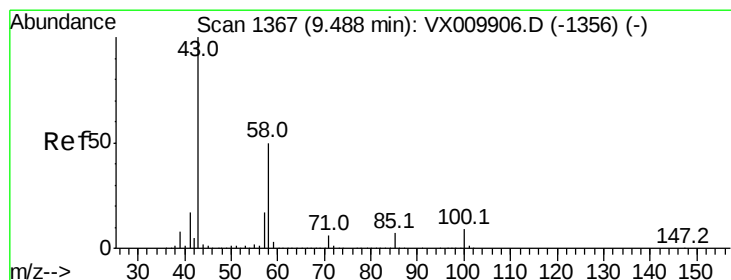
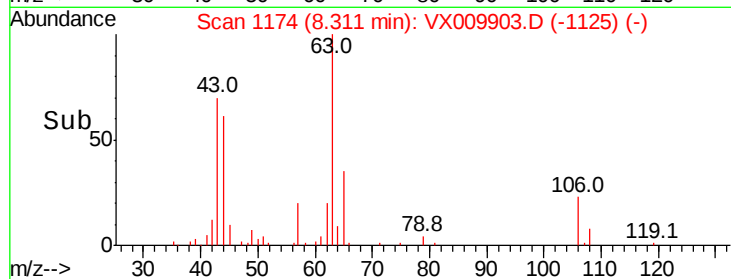
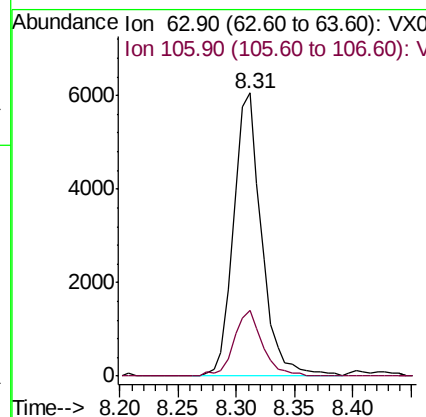
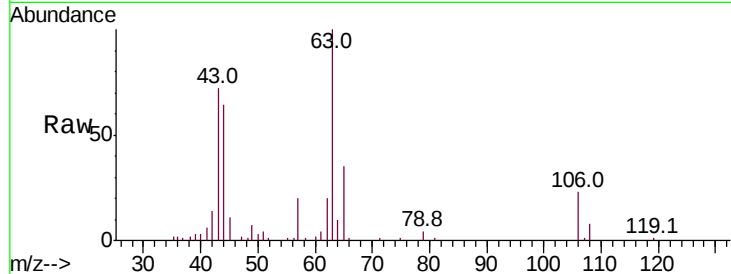
#58
 2-Chloroethyl Vinyl ether
 Concen: 5.428 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 10182
 Ion Ratio Lower Upper
 63 100
 106 23.6 19.4 29.2

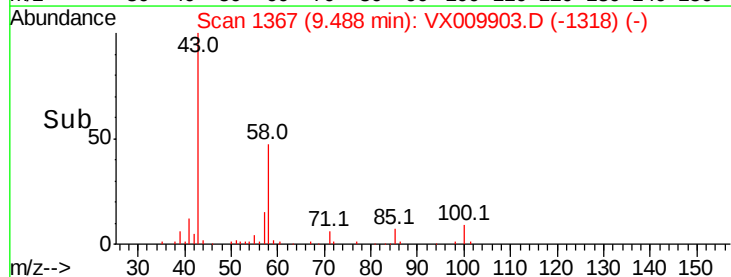
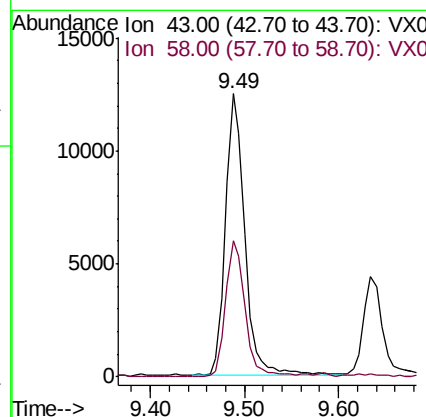
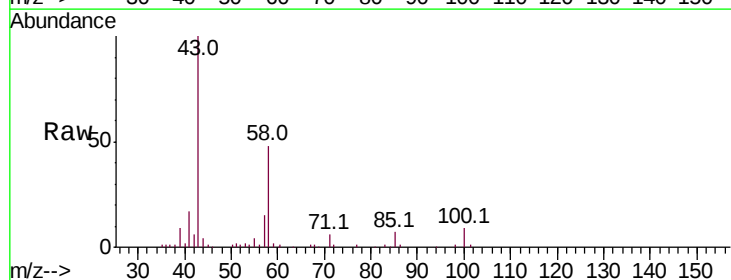
Manual Integrations
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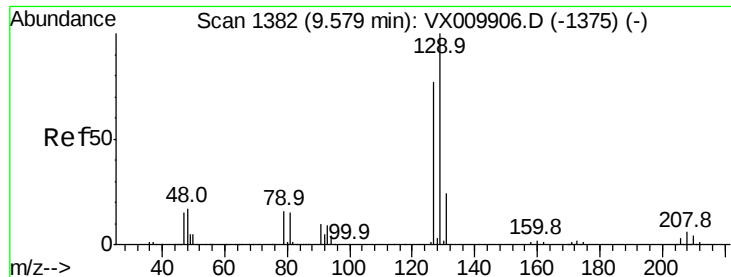
MMDadoda
 5/29/2019 9:24:38 AM



#59
 2-Hexanone
 Concen: 5.957 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Tgt Ion: 43 Resp: 17861
 Ion Ratio Lower Upper
 43 100
 58 48.7 25.1 75.3





#60

Dibromochloromethane

Concen: 1.093 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2130

Ion Ratio Lower Upper

129 100

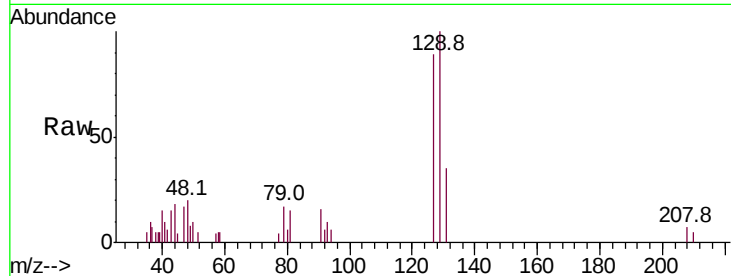
127 83.4 38.5 115.5

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

1500

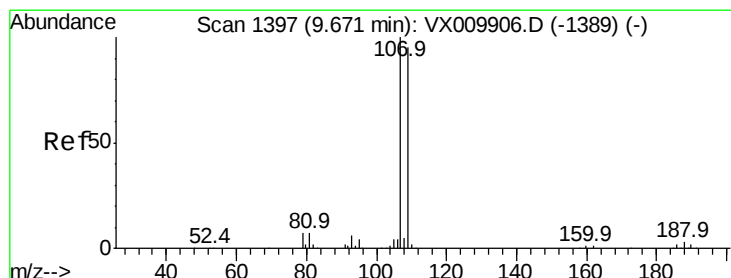
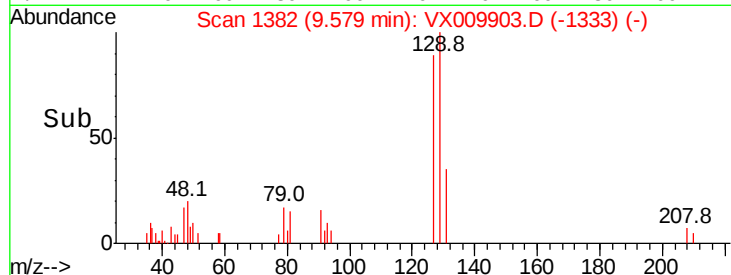
1000

500

0

9.55 9.60

Time-->



#61

1,2-Dibromoethane

Concen: 1.205 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009903.D

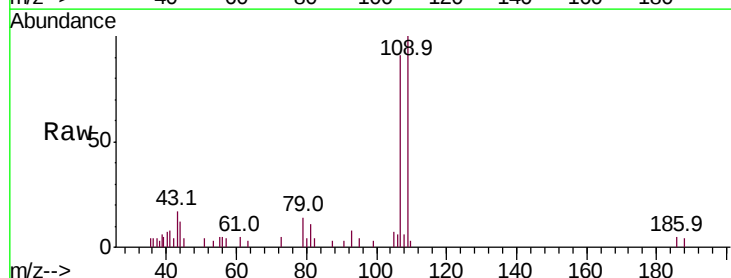
Acq: 28 May 2019 09:57

Tgt Ion:107 Resp: 2421

Ion Ratio Lower Upper

107 100

109 98.3 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

2000

1500

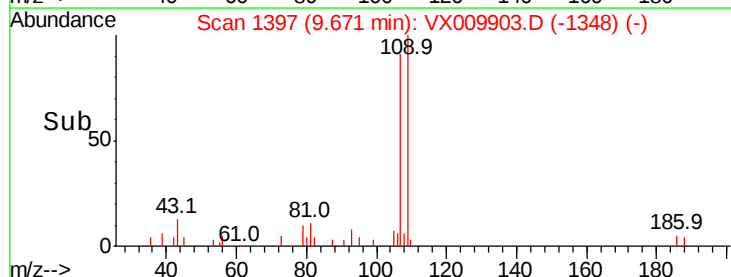
1000

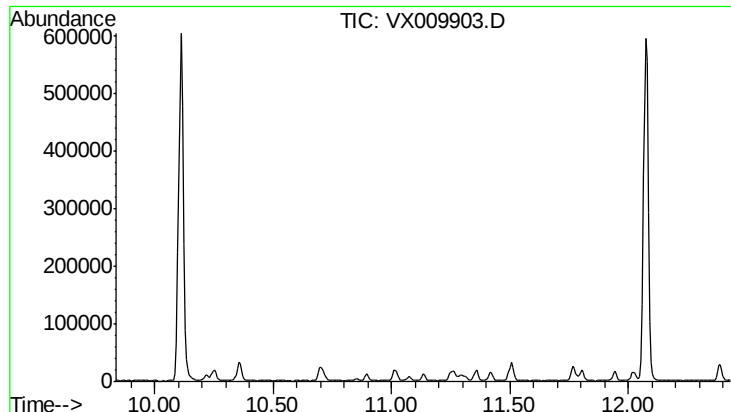
500

0

9.60 9.65 9.70

Time-->





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.13 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Tot Ion: 95

Sig Exp Ratio

95 100

174 80.2

176 77.3

Instrument :

MSVOA_X

ClientSampleId :

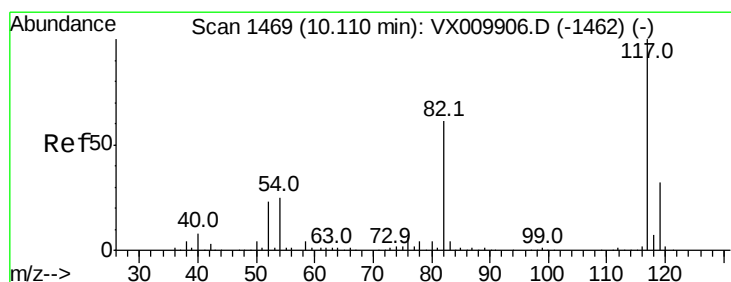
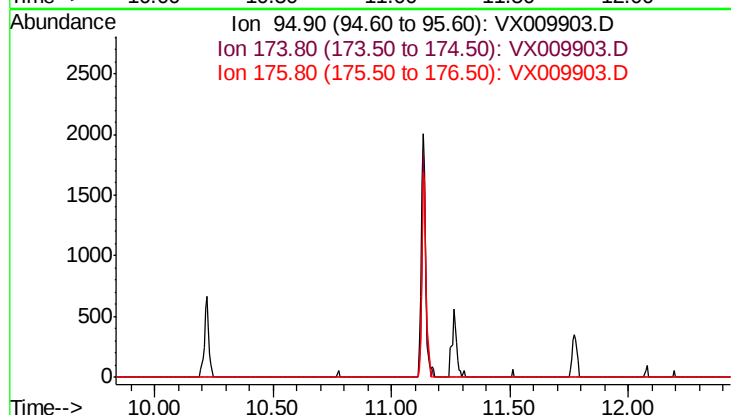
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

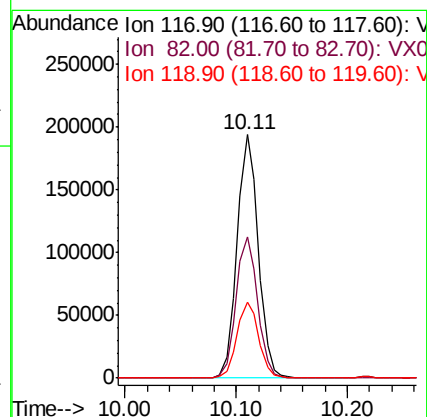
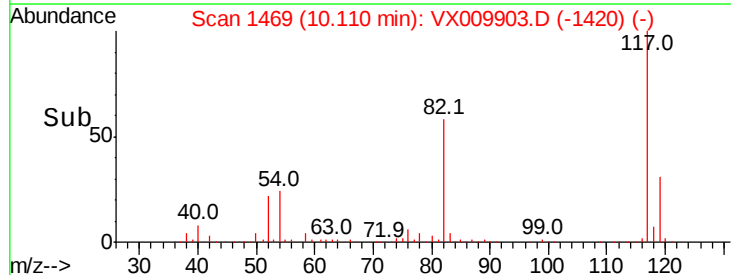
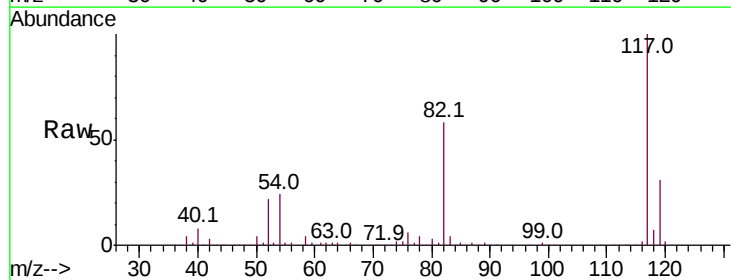
Tgt Ion:117 Resp: 255981

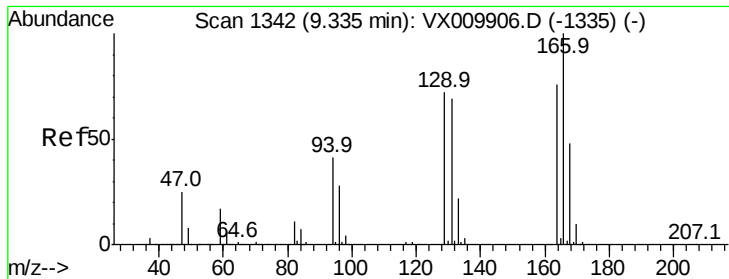
Ion Ratio Lower Upper

117 100

82 57.9 49.2 73.8

119 31.2 25.2 37.8





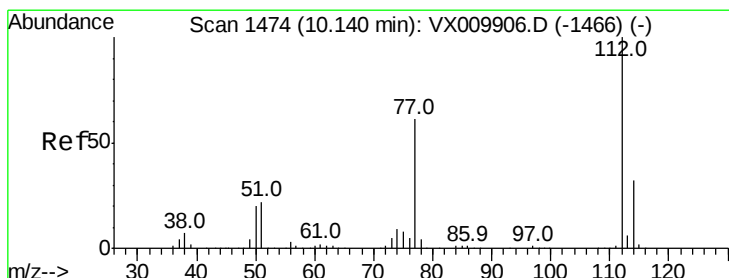
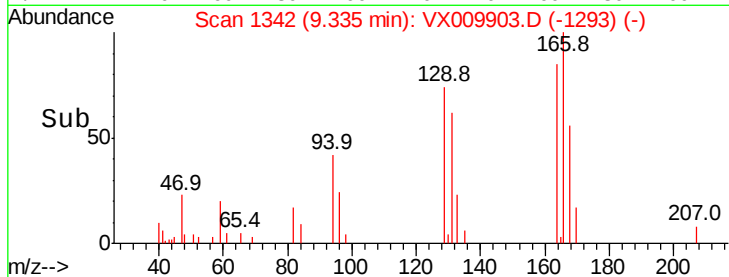
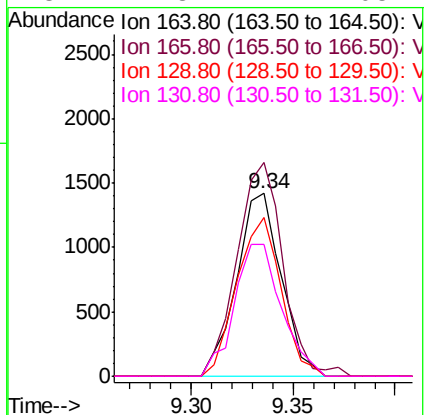
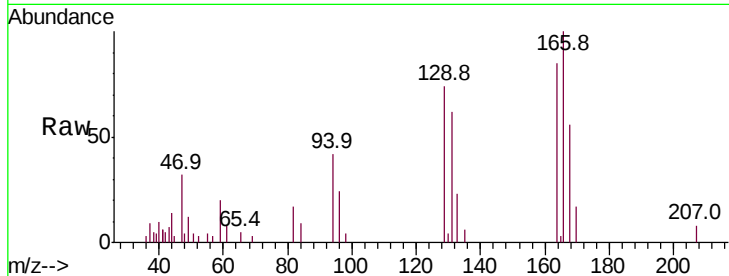
#64
Tetrachloroethene
Concen: 1.220 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	164	Resp:	2158
Ion	Ratio	Lower	Upper
164	100		
166	117.1	105.0	157.4
129	86.9	75.1	112.7
131	72.3	72.2	108.4

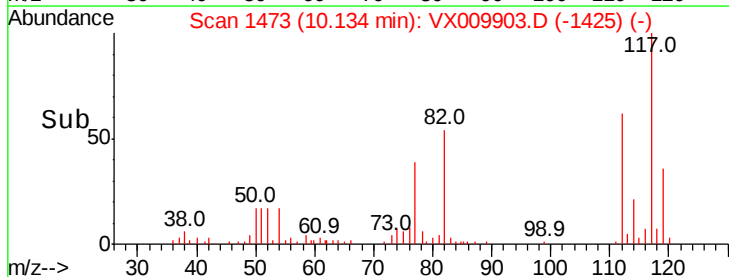
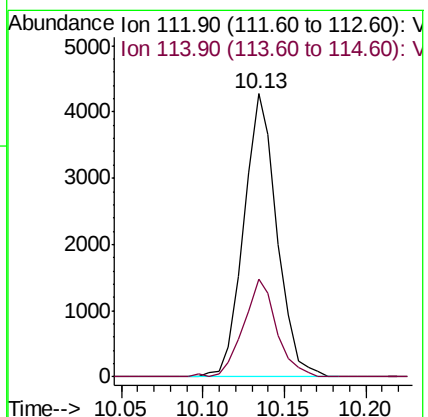
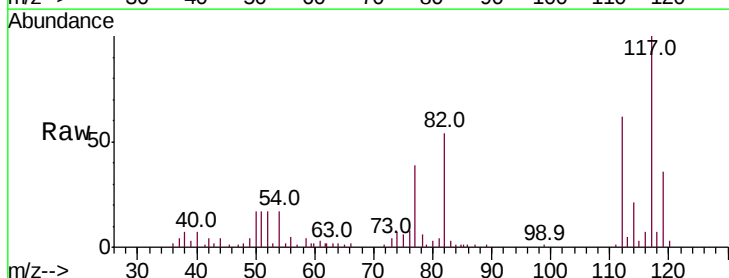
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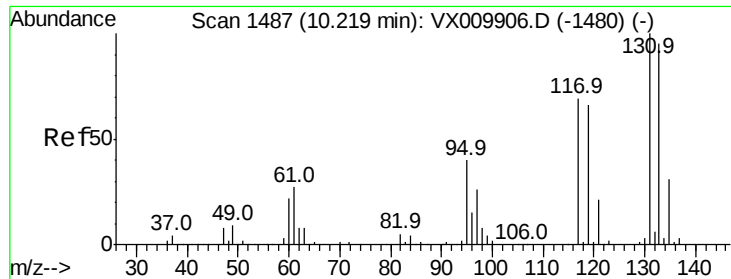
MMDadoda
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#65
Chlorobenzene
Concen: 1.175 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Tgt Ion:	112	Resp:	6056
Ion	Ratio	Lower	Upper
112	100		
114	34.7	25.8	38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 1.096 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:131 Resp: 2045

Ion Ratio Lower Upper

131 100

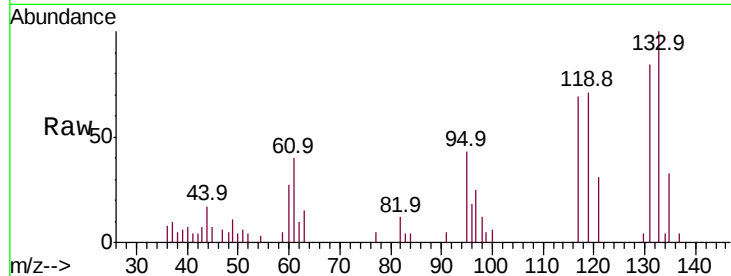
133 96.9 47.5 142.6

119 0.0 33.4 100.1#

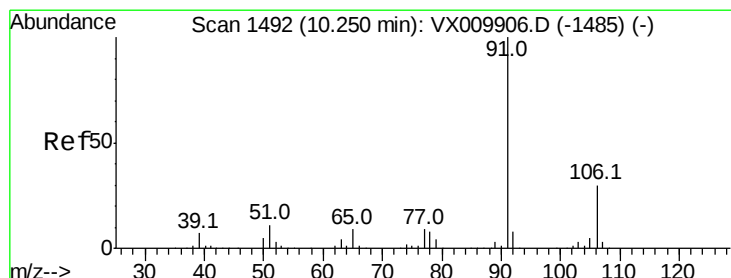
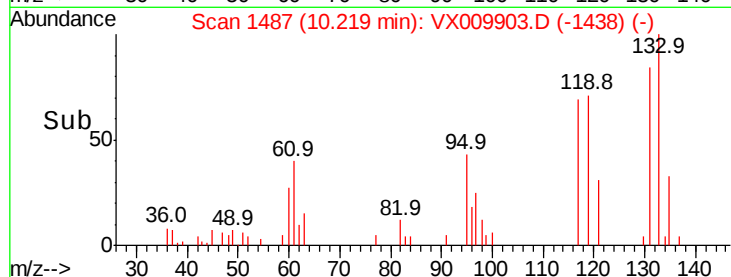
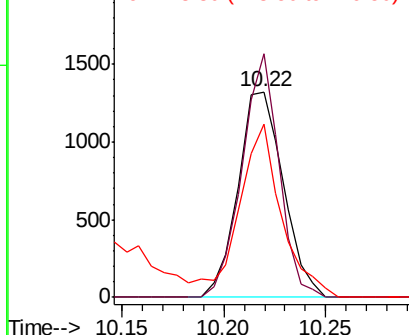
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Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.062 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009903.D

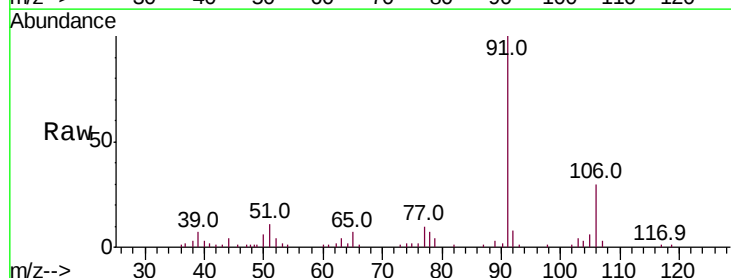
Acq: 28 May 2019 09:57

Tgt Ion: 91 Resp: 10075

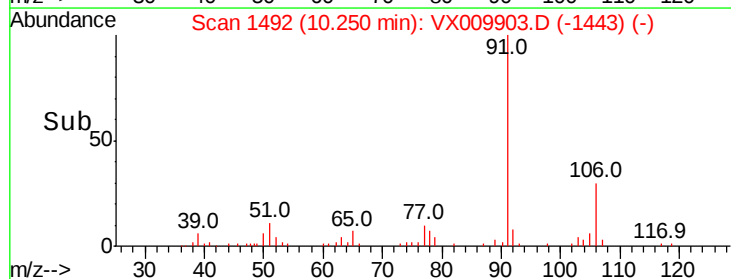
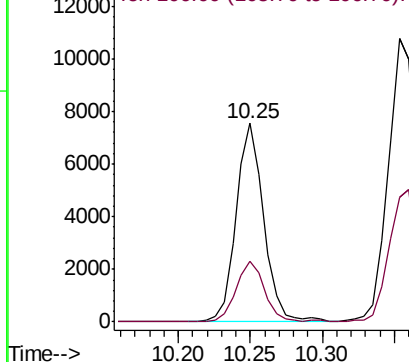
Ion Ratio Lower Upper

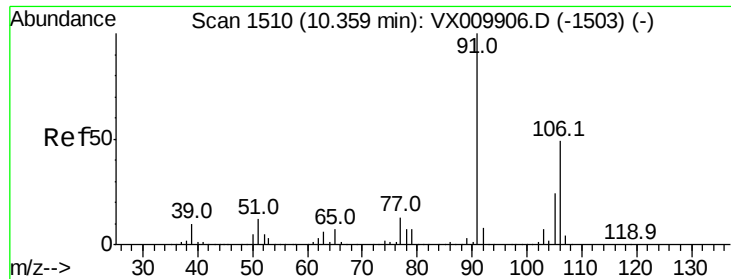
91 100

106 30.4 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





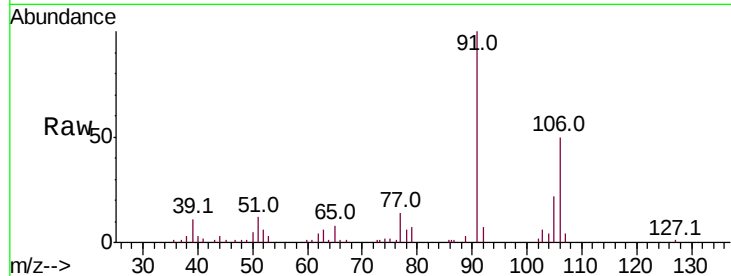
#68
m/p-Xylenes
Concen: 2.030 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

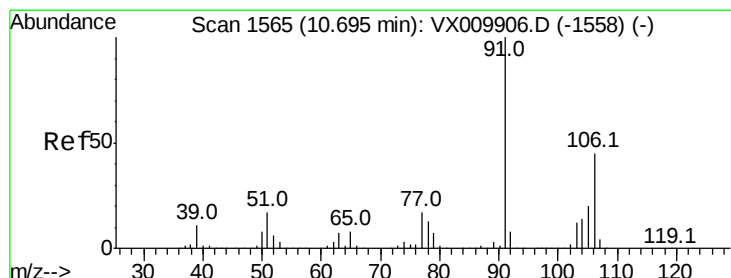
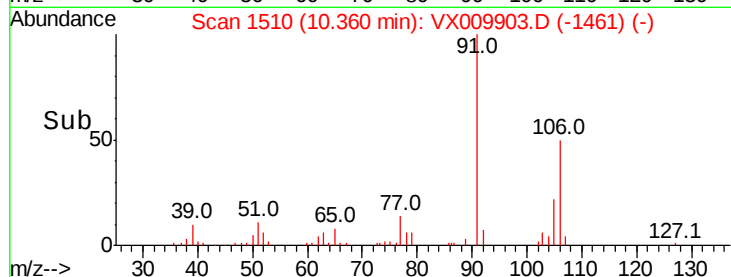
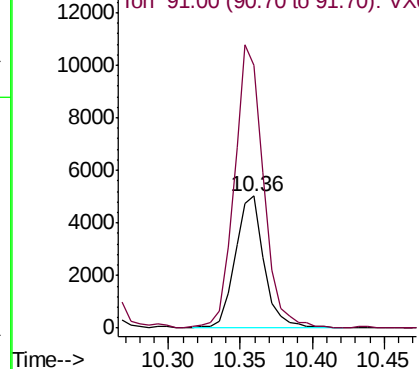
Tot Ion:106 Resp: 7045
Ion Ratio Lower Upper
106 100
91 215.8 167.3 250.9

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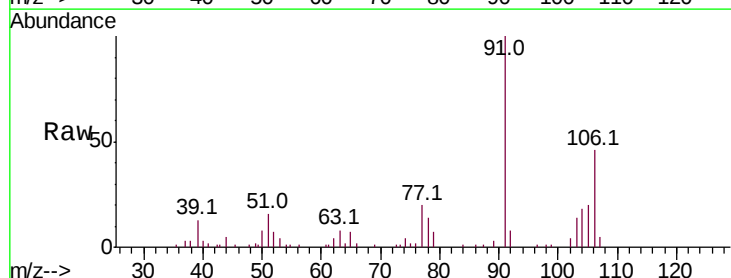


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

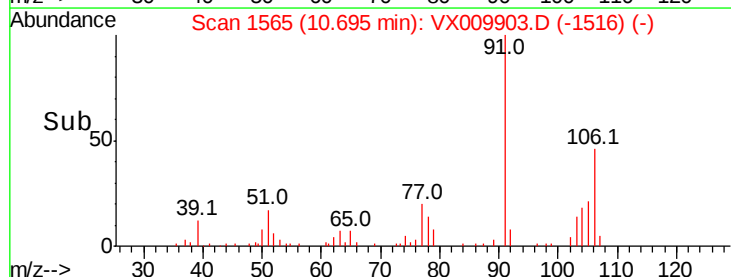
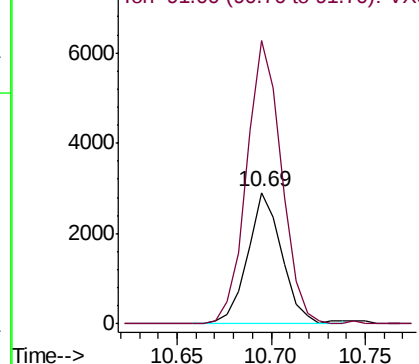


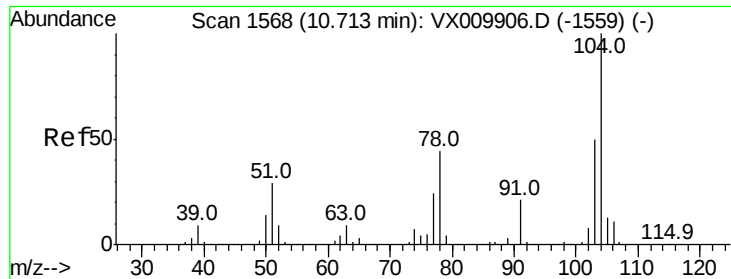
#69
o-Xylene
Concen: 1.075 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Tgt Ion:106 Resp: 3677
Ion Ratio Lower Upper
106 100
91 218.6 110.4 331.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





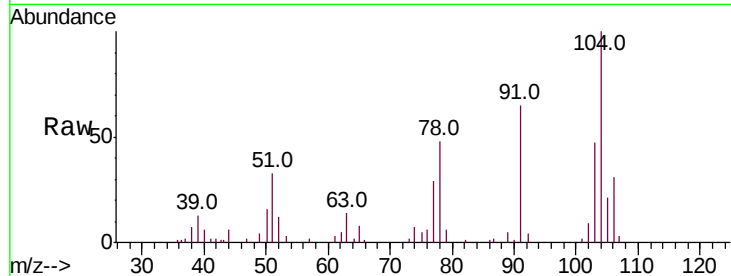
#70
Stvrene
Concen: 1.001 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.1	63.1
103	54.4	44.1	66.1

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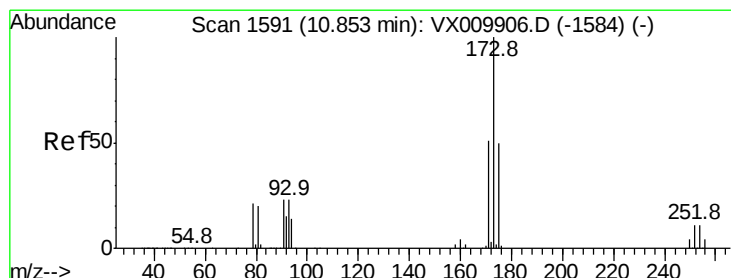
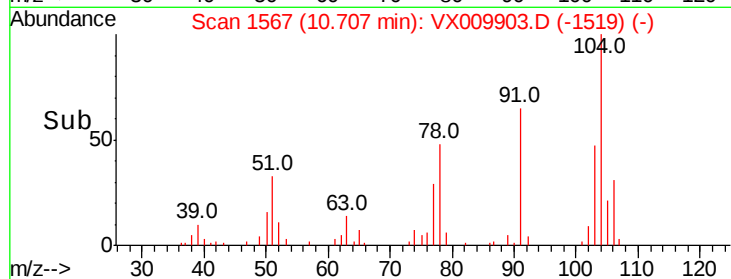
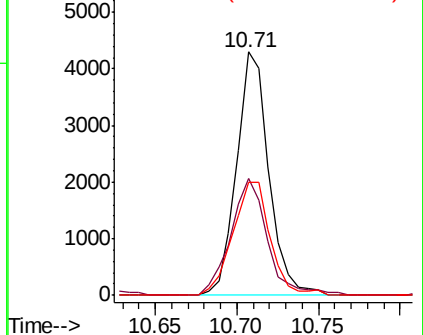


Abundance

Ion 104.00 (103.70 to 104.70): V

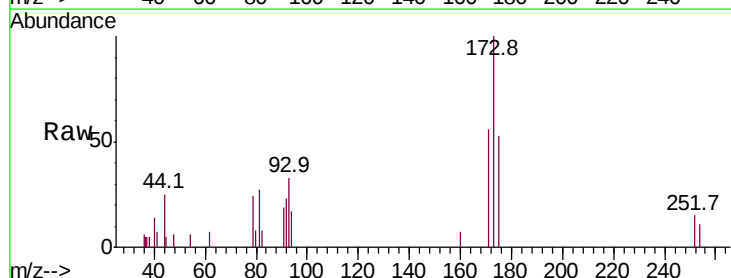
Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 1.031 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

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

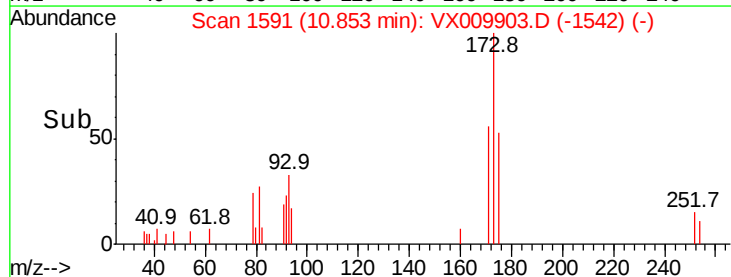
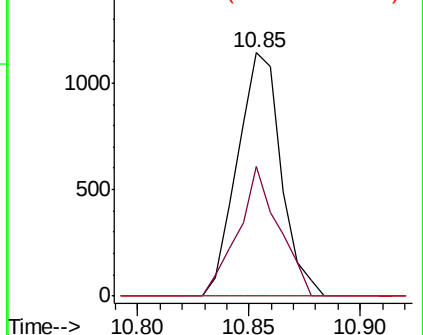


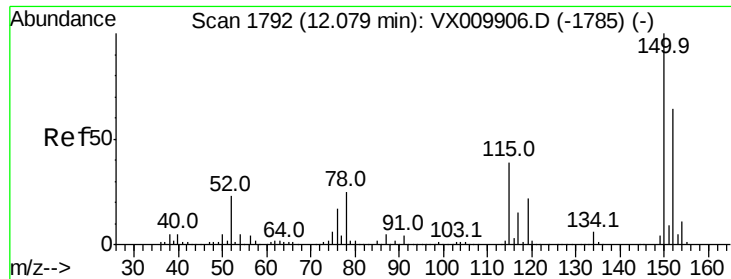
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 116876

Ion Ratio Lower Upper

152 100

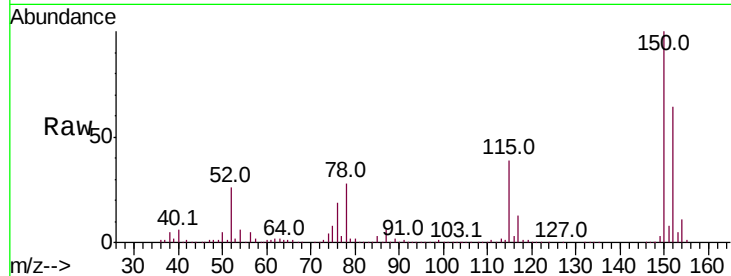
115 59.4 41.4 124.2

150 158.4 0.0 345.2

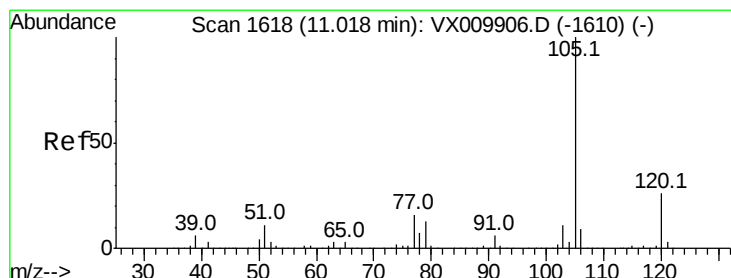
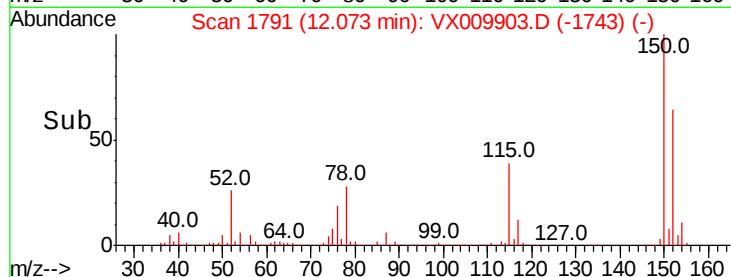
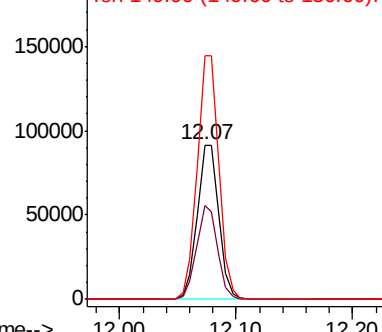
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.012 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009903.D

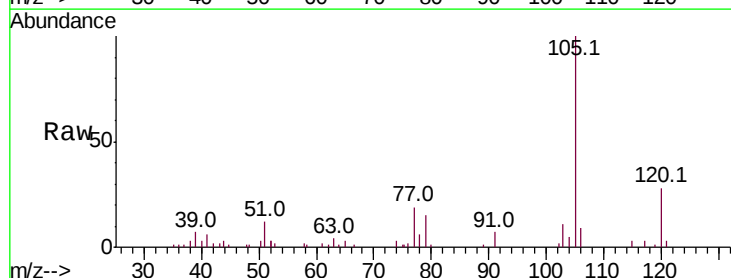
Acq: 28 May 2019 09:57

Tgt Ion:105 Resp: 8656

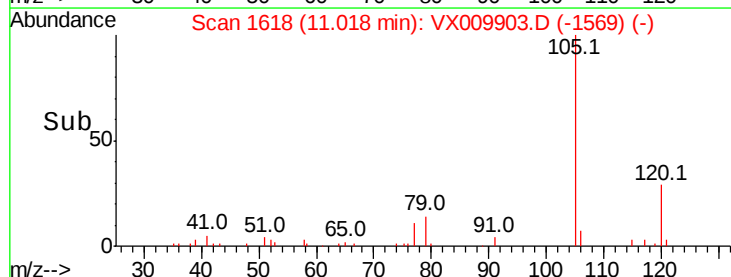
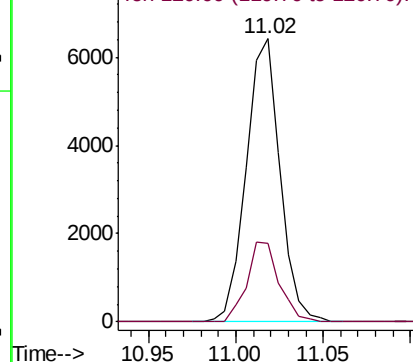
Ion Ratio Lower Upper

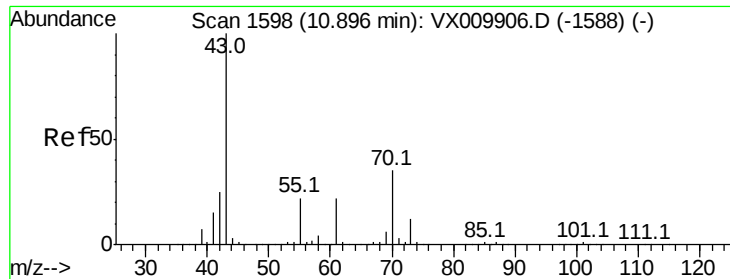
105 100

120 26.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.109 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

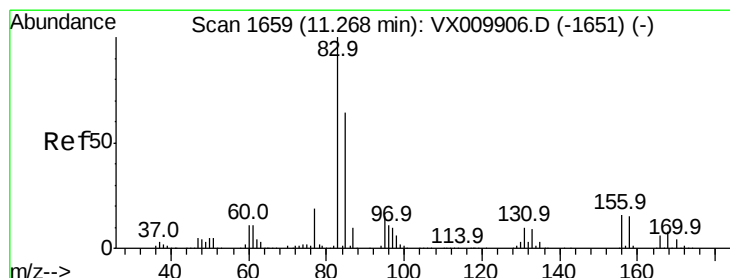
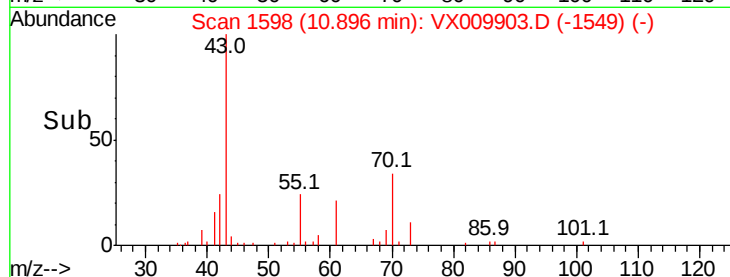
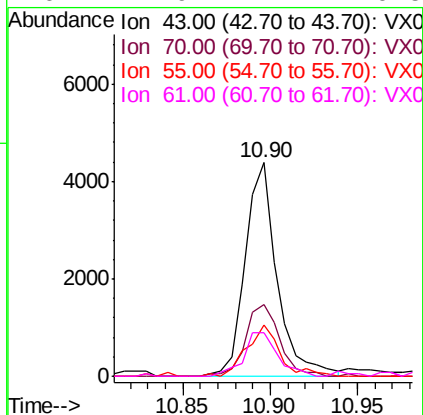
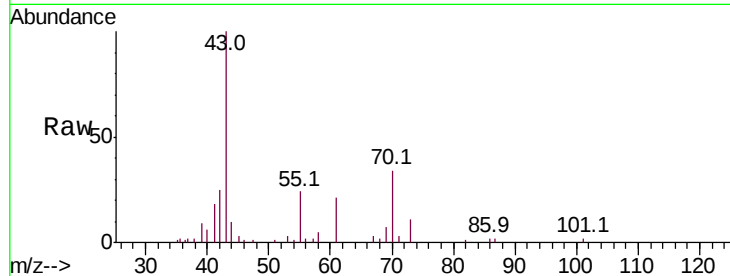
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	5547
Ion	Ratio	Lower	Upper
43	100		
70	35.9	28.6	43.0
55	25.3	17.8	26.8
61	21.9	17.7	26.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.352 ug/l

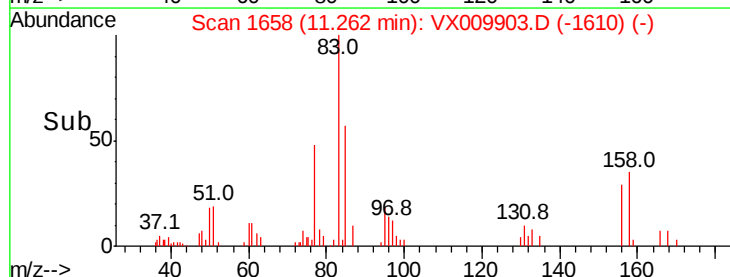
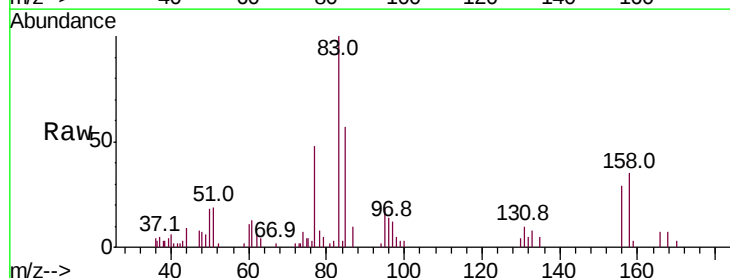
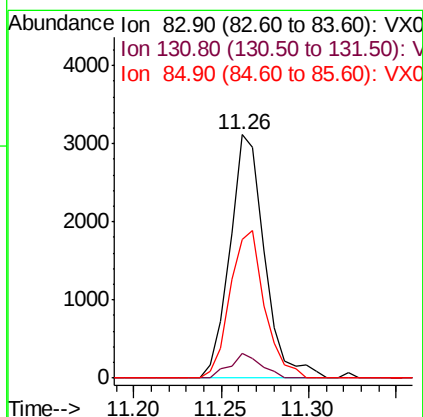
RT: 11.26 min Scan# 1658

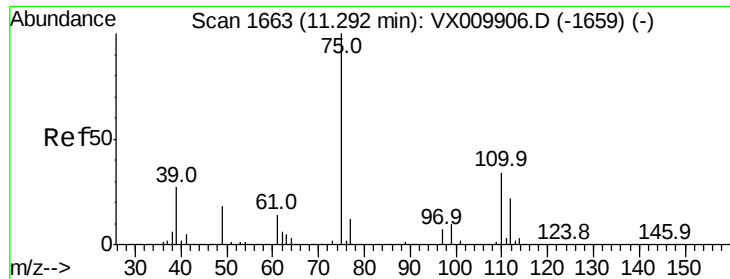
Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Tgt Ion:	83	Resp:	4289
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.1
85	60.2	31.9	95.9





#76

1,2,3-Trichloropropane

Concen: 1.251 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 3415

Ion Ratio Lower Upper

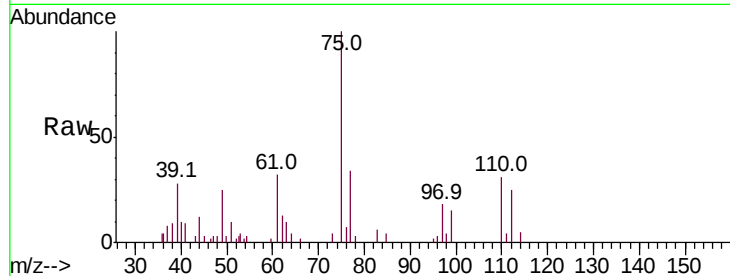
75 100

77 45.3 22.1 66.1

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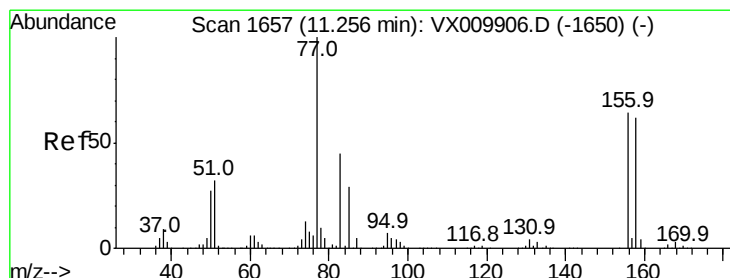
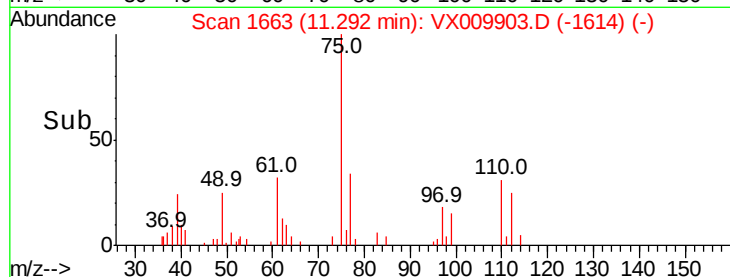
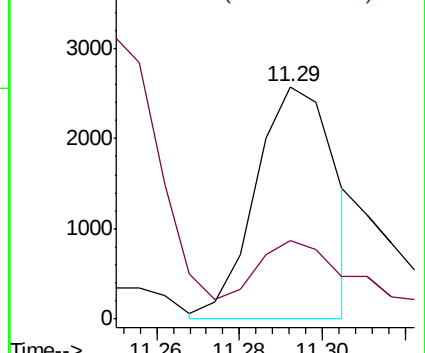
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 1.118 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

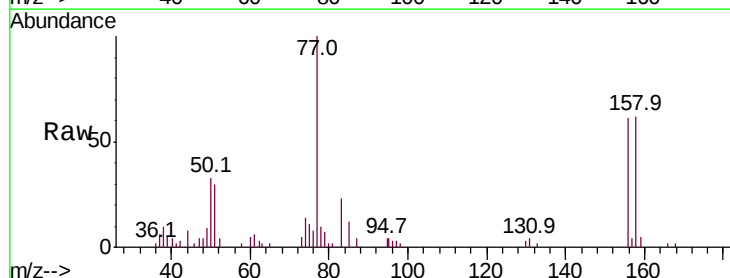
Tgt Ion: 156 Resp: 2370

Ion Ratio Lower Upper

156 100

77 180.0 86.8 260.3

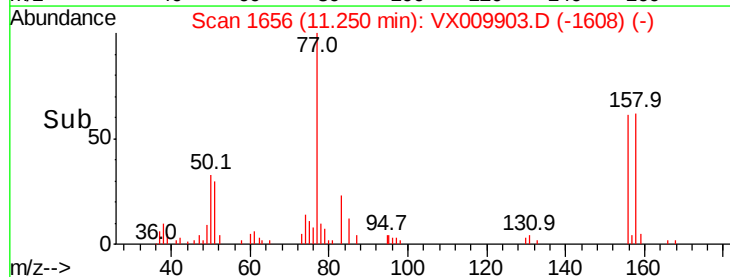
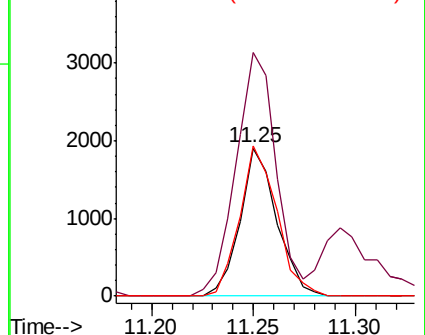
158 103.2 49.6 148.8

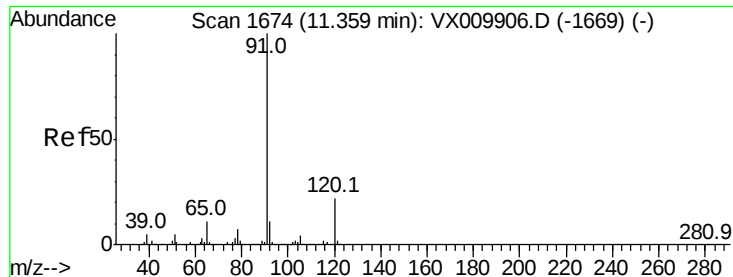


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 1.025 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 10026

Ion Ratio Lower Upper

91 100

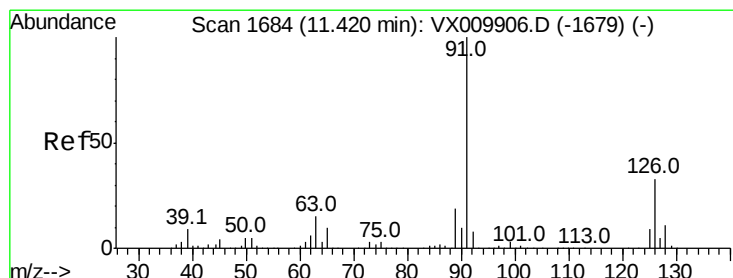
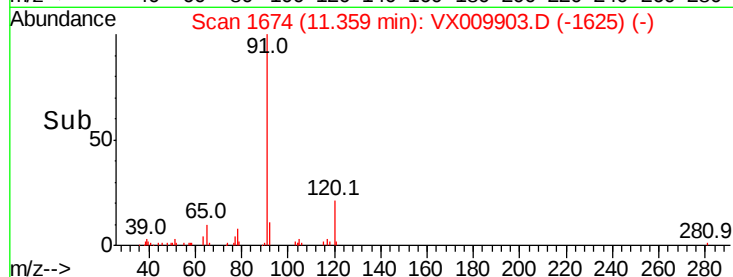
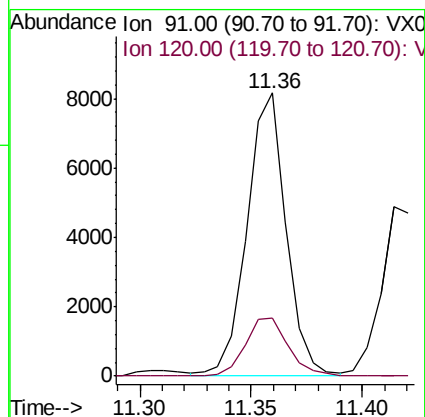
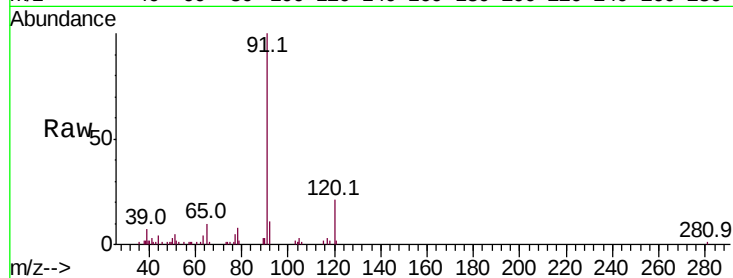
120 22.5 11.1 33.3

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#79

2-Chlorotoluene

Concen: 1.122 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX009903.D

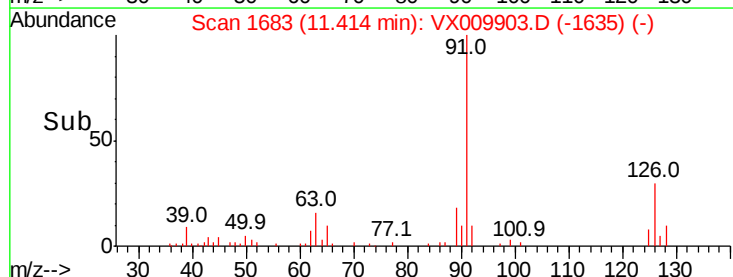
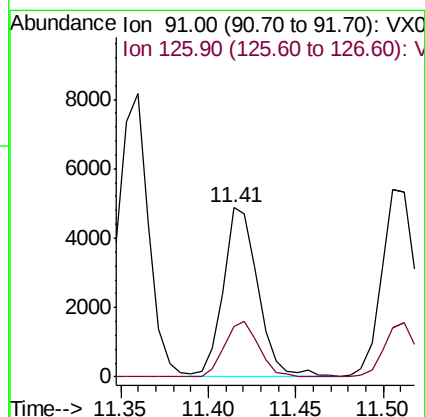
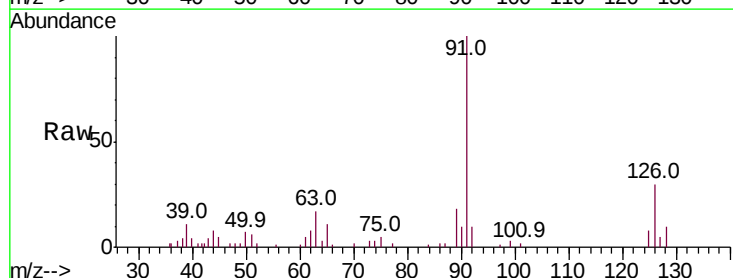
Acq: 28 May 2019 09:57

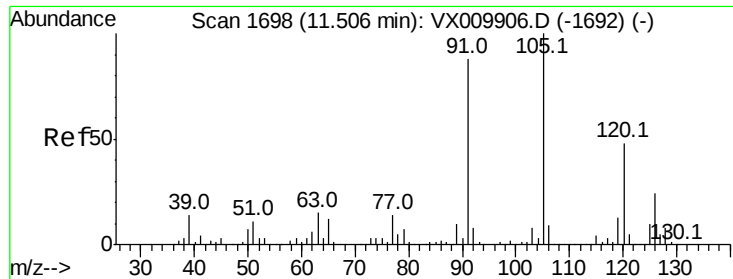
Tgt Ion: 91 Resp: 6779

Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.3





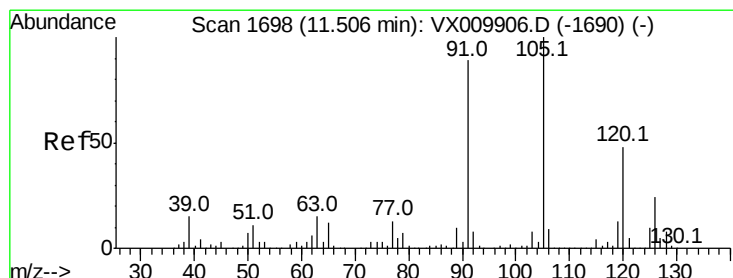
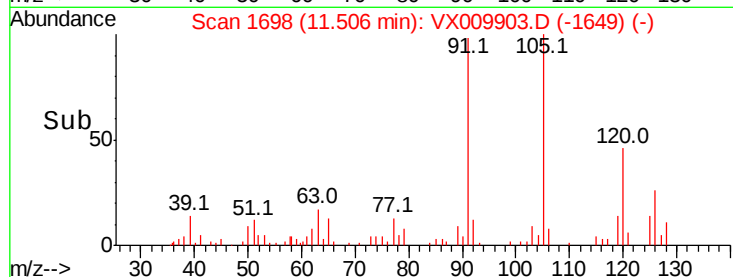
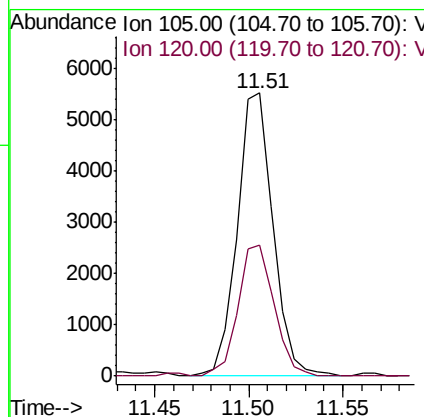
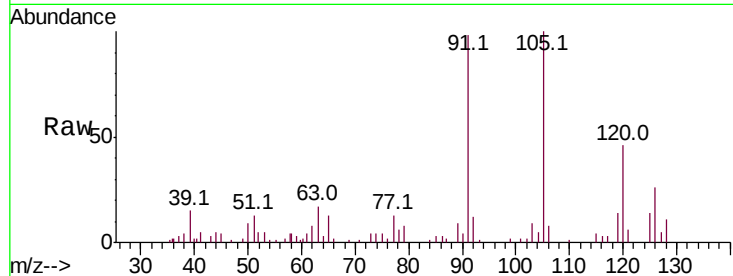
#80
 1,3,5-Trimethylbenzene
 Concen: 1.006 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 7256
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.1 72.3

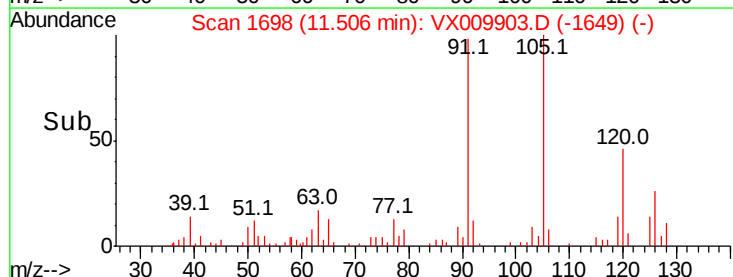
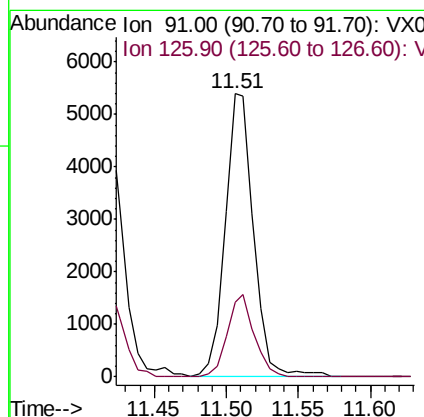
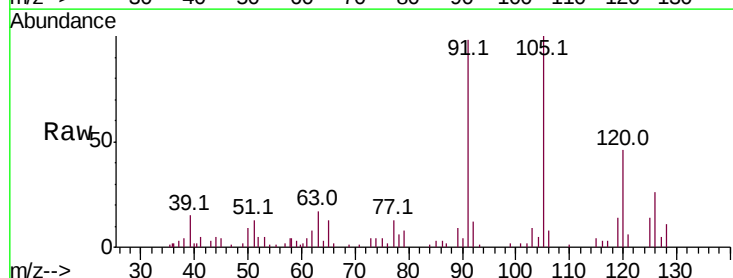
Manual Integrations
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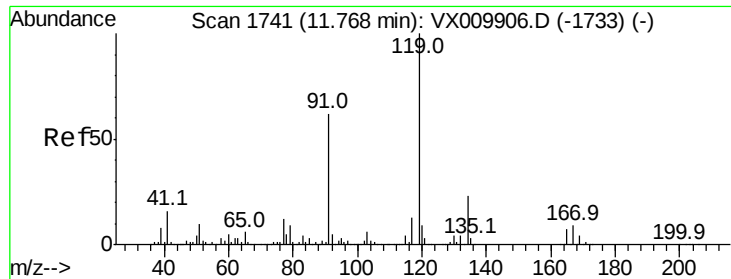
MMDadoda
 5/29/2019 9:24:38 AM



#82
 4-Chlorotoluene
 Concen: 1.097 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Tgt Ion: 91 Resp: 7489
 Ion Ratio Lower Upper
 91 100
 126 27.5 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.999 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

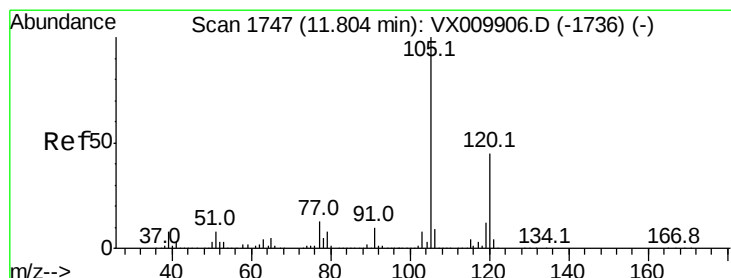
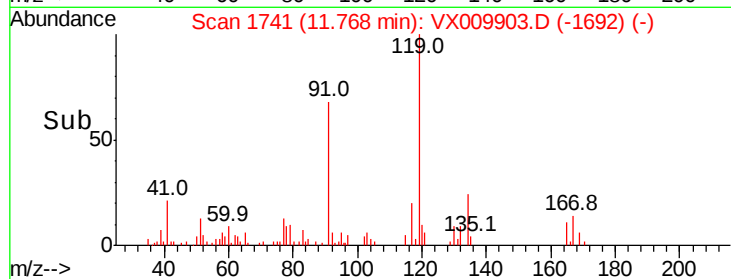
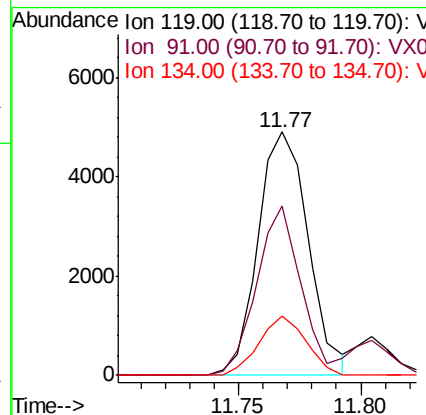
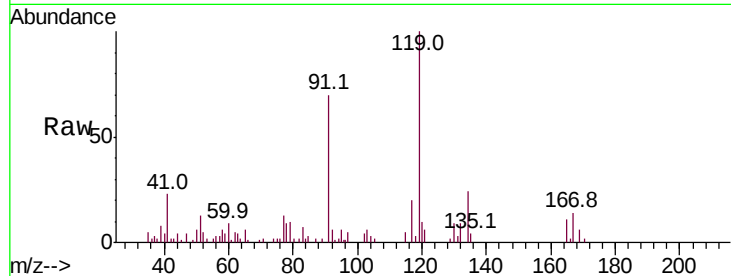
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	6994
Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.0	90.0
134	22.6	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 1.058 ug/l

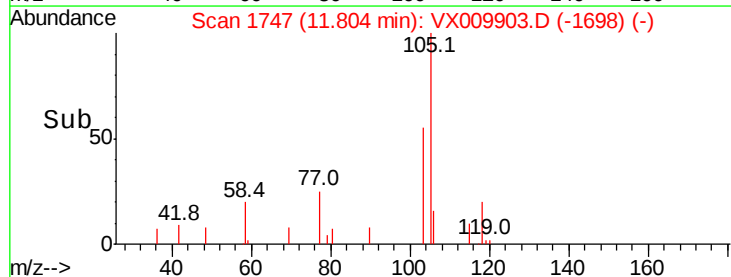
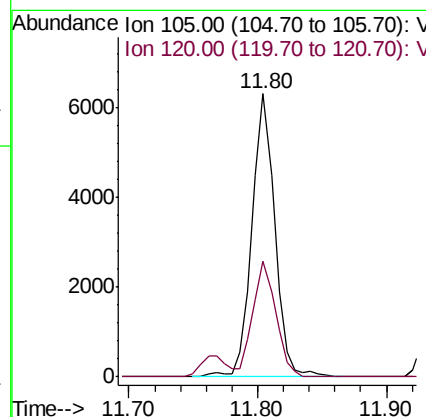
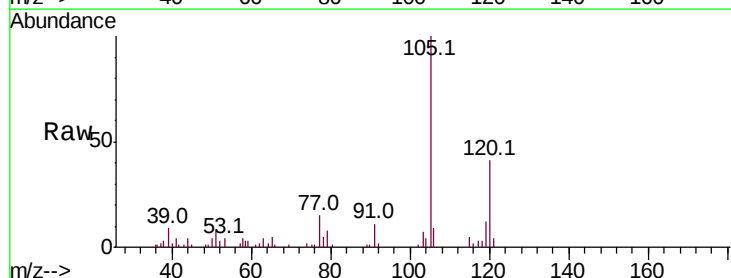
RT: 11.80 min Scan# 1747

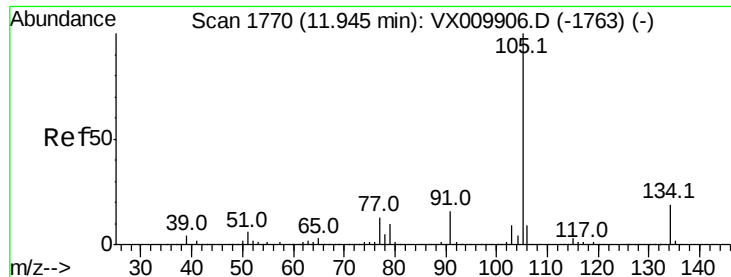
Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Tgt Ion:	105	Resp:	7661
Ion	Ratio	Lower	Upper
105	100		
120	41.6	22.1	66.1





#85

sec-Butylbenzene

Concen: 0.899 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 7463

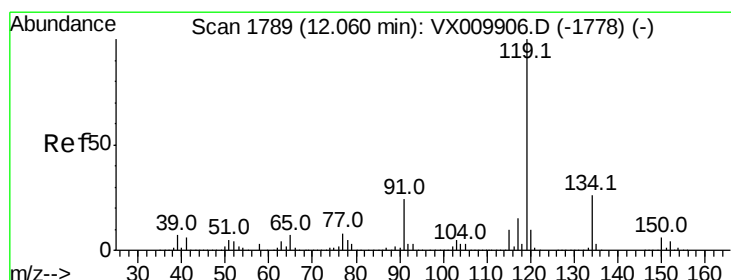
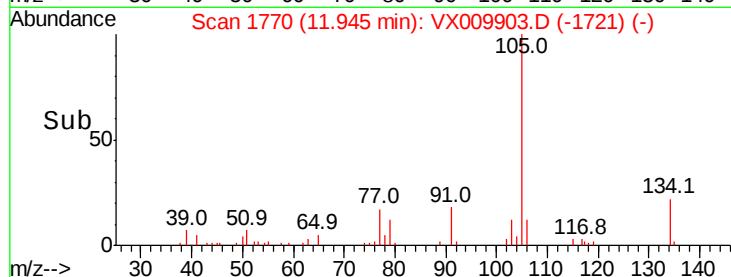
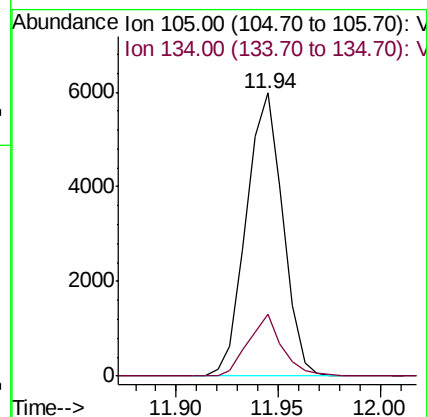
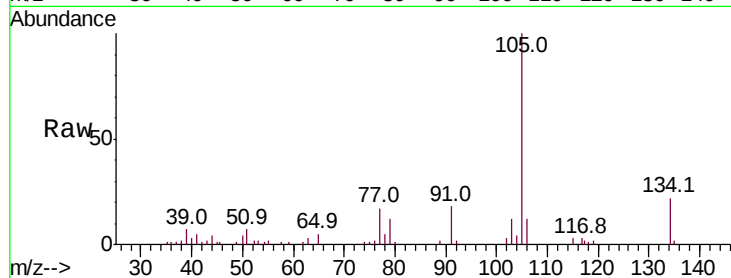
Ion Ratio Lower Upper

105 100

134 20.2 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 0.951 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

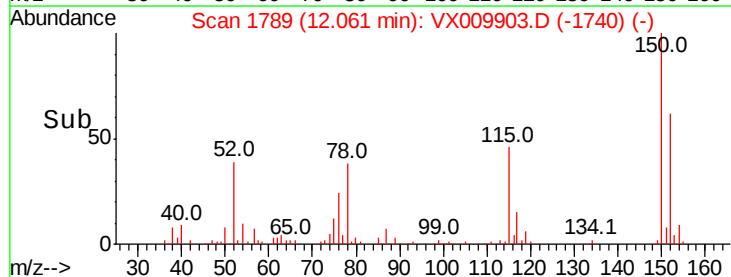
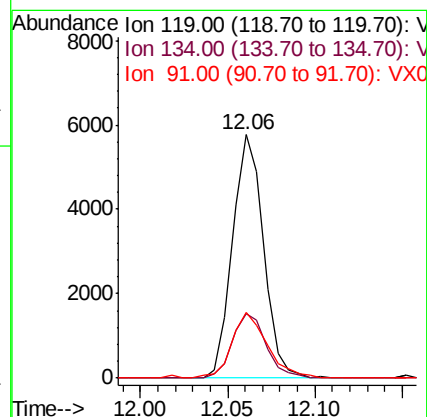
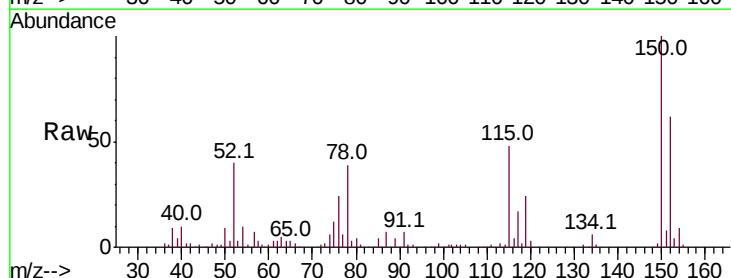
Tgt Ion:119 Resp: 7108

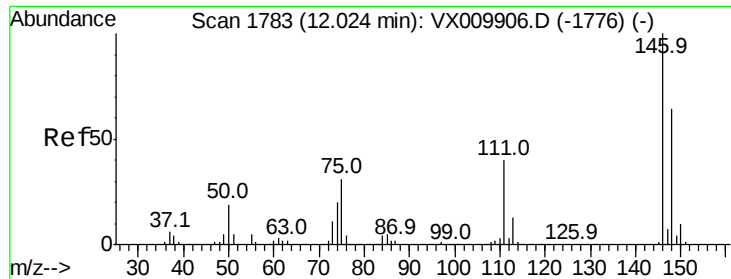
Ion Ratio Lower Upper

119 100

134 29.0 12.9 38.6

91 30.7 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 1.149 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

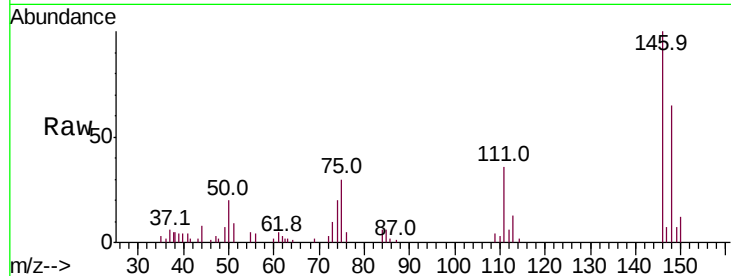
ClientSampleId :

VSTDIC001

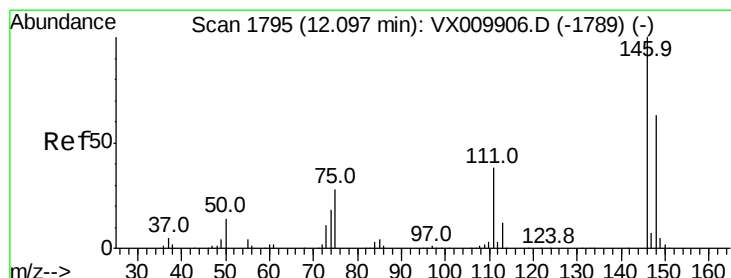
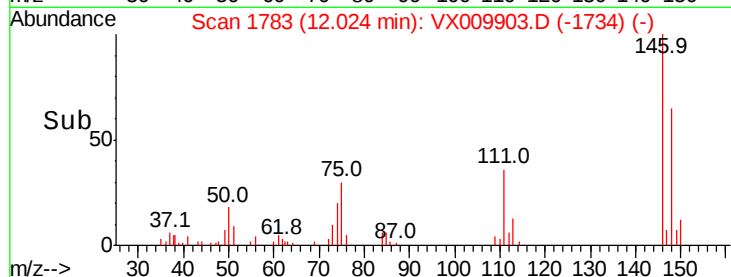
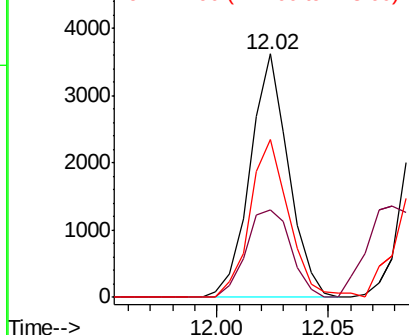
Tot Ion:	146	Resp:	4339
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.1	60.2
148	65.9	31.9	95.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.271 ug/l m

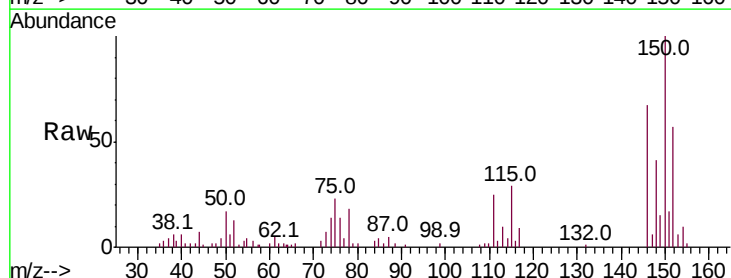
RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

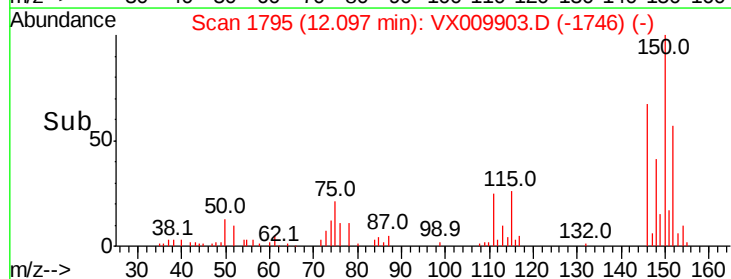
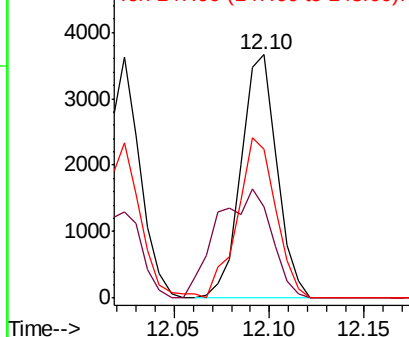
Lab File: VX009903.D

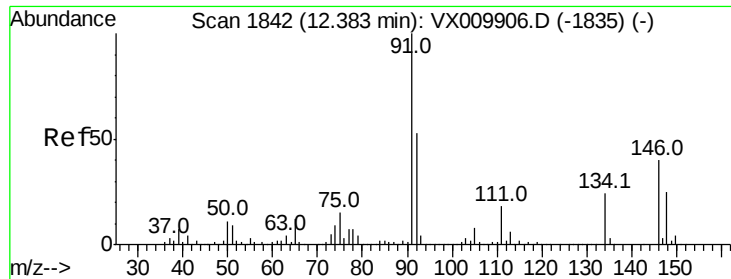
Acq: 28 May 2019 09:57

Tgt Ion:	146	Resp:	4844
Ion Ratio	Lower	Upper	
146	100		
111	37.4	20.0	59.9
148	59.0	32.3	96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





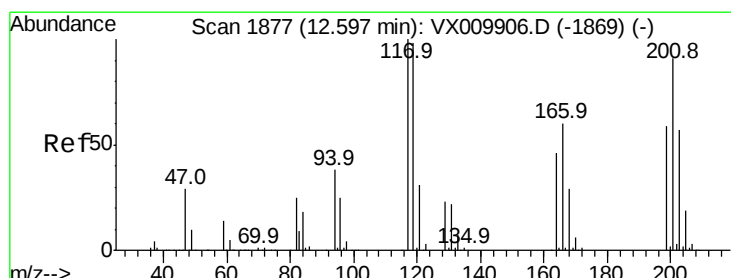
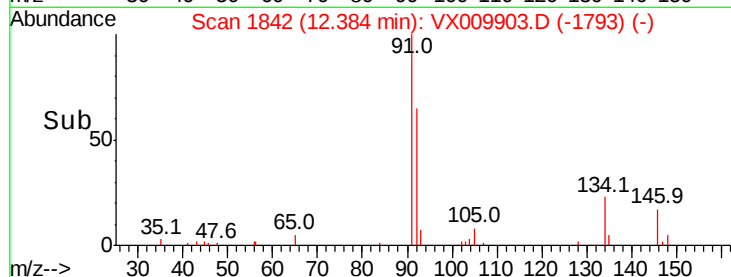
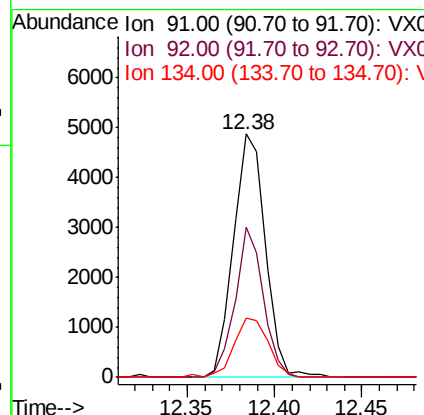
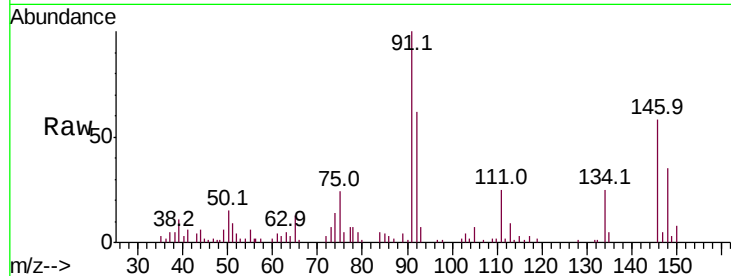
#89
n-Butylbenzene
Concen: 0.916 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.3	78.8
134	26.1	12.3	36.8

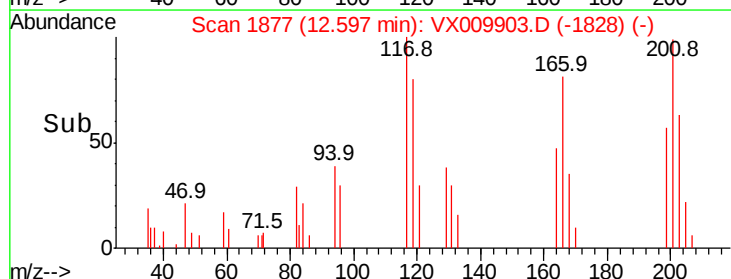
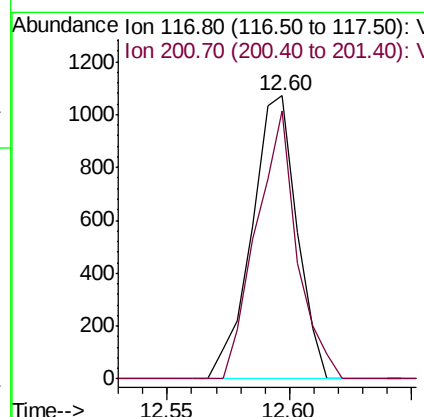
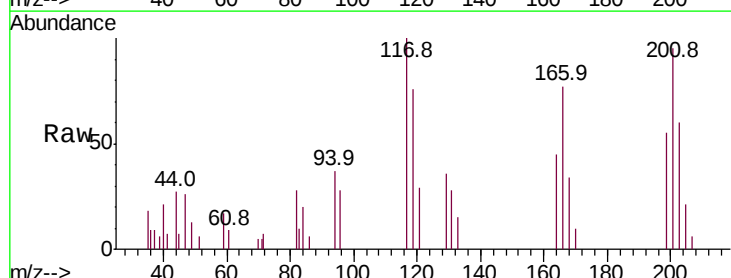
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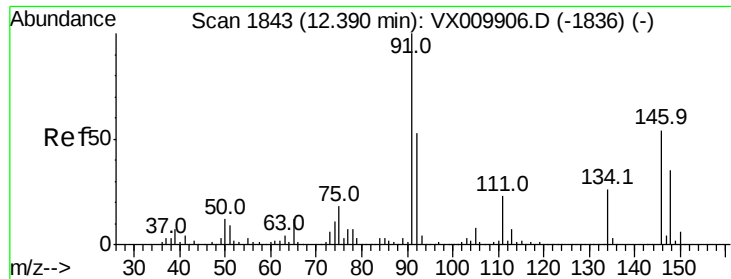
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#90
Hexachloroethane
Concen: 1.082 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009903.D
Acq: 28 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	43.6	130.9





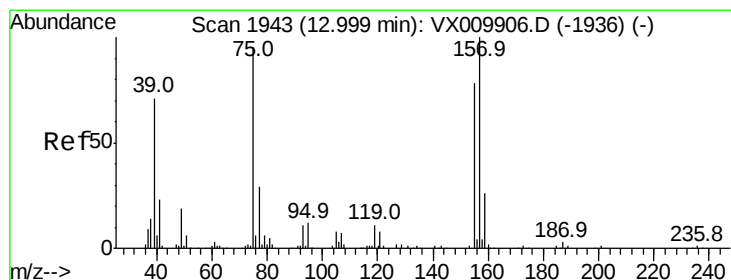
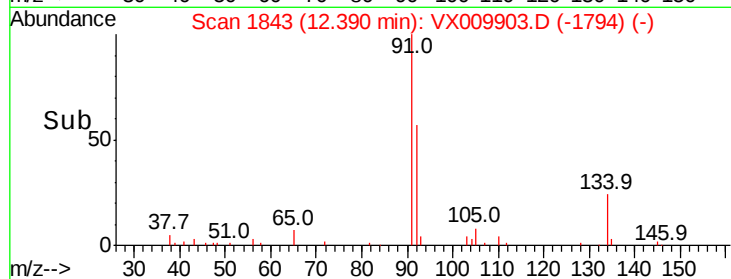
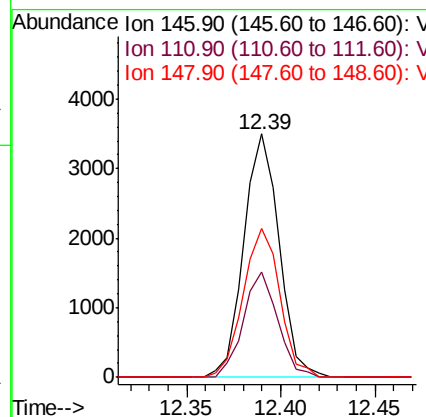
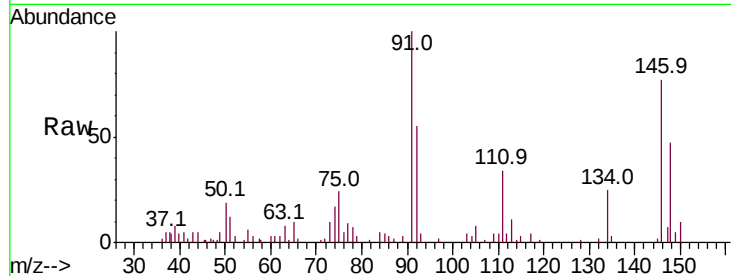
#91
 1,2-Dichlorobenzene
 Concen: 1.187 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	63.6	32.3	96.8

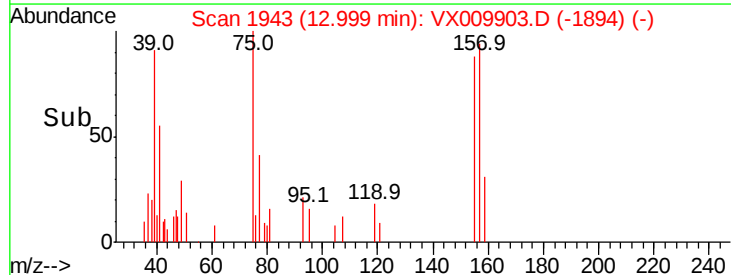
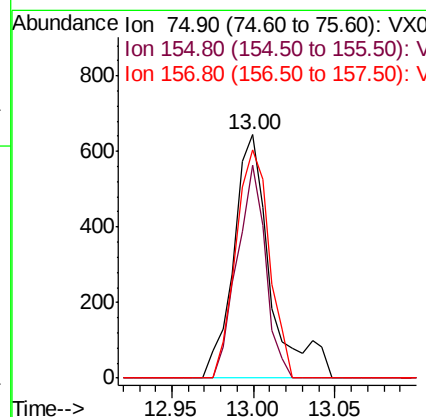
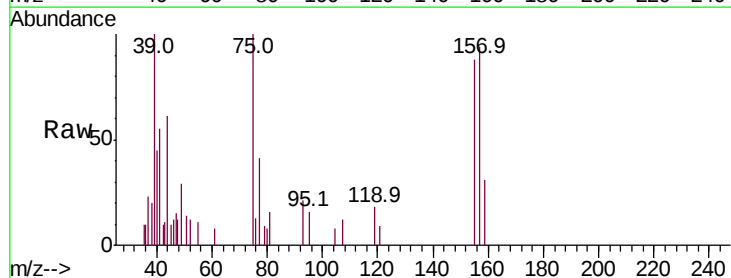
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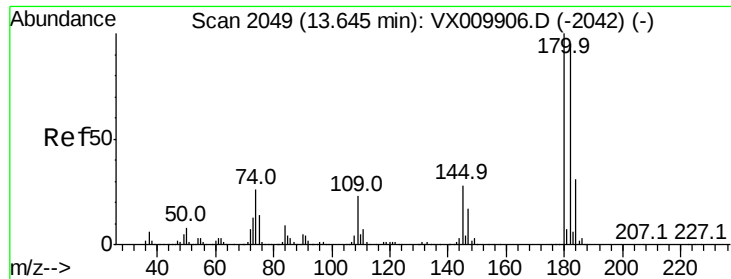
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.416 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.9	39.3	117.8
157	86.0	50.6	151.8





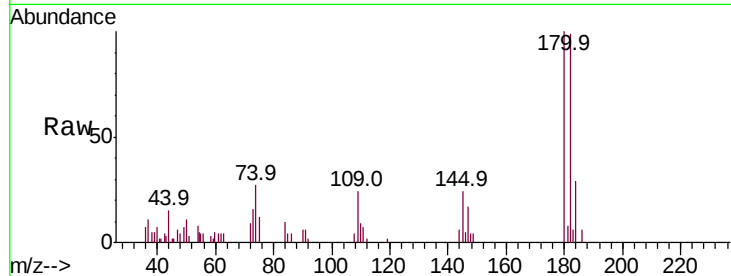
#93
 1,2,4-Trichlorobenzene
 Concen: 1.127 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	2963		
182	98.1		47.4	142.2
145	29.3		14.5	43.5

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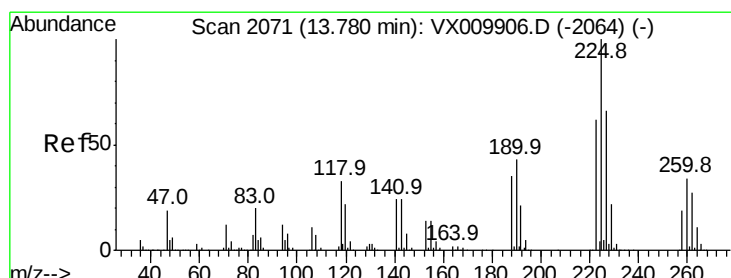
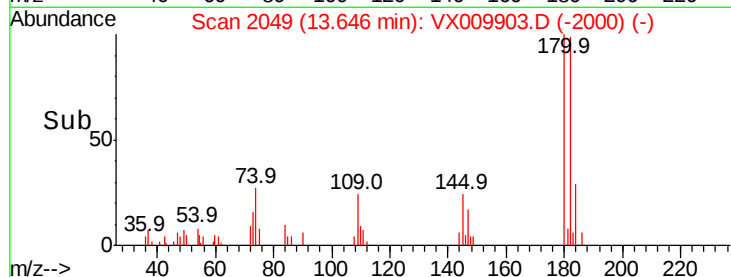
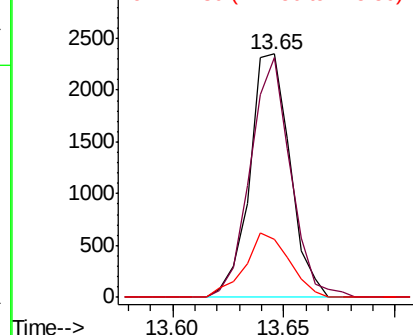


Abundance

Ion 179.80 (179.50 to 180.50): V

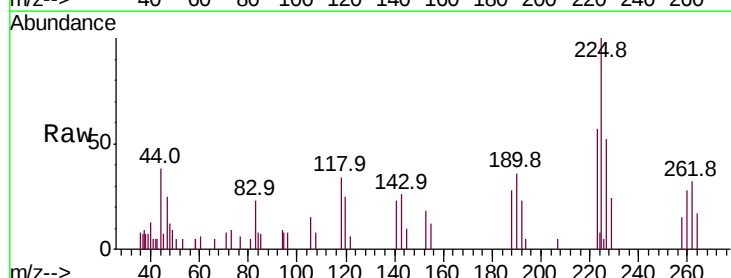
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 0.994 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009903.D
 Acq: 28 May 2019 09:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	1338		
223	61.1		31.3	93.8
227	54.9		32.3	96.8

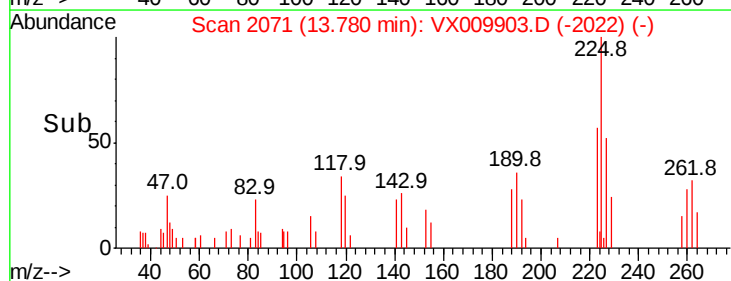
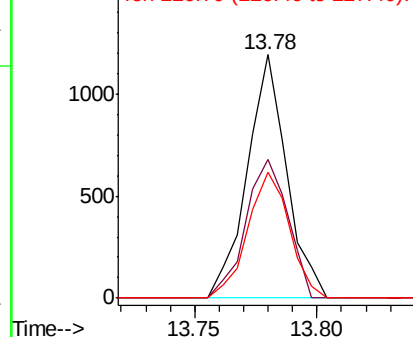


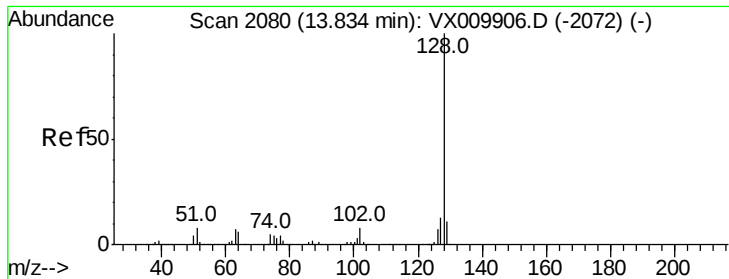
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.969 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Instrument :

MSVOA_X

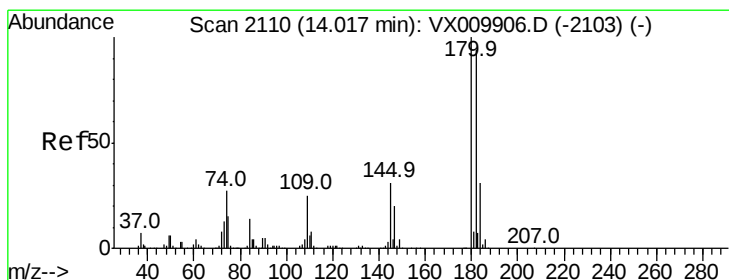
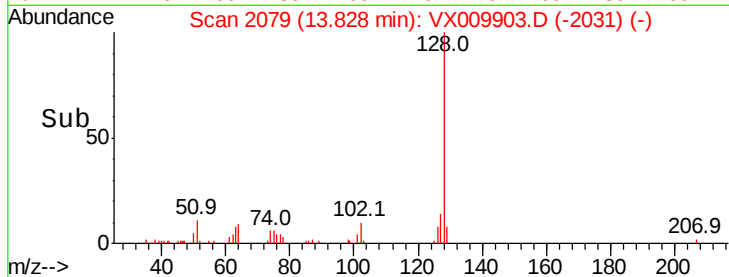
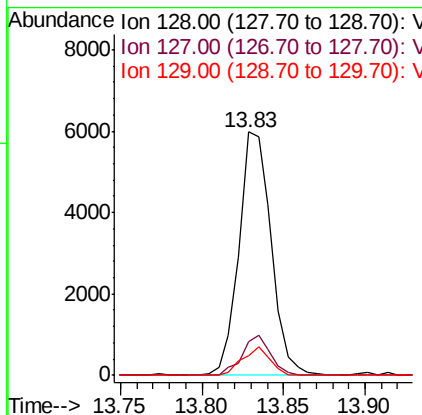
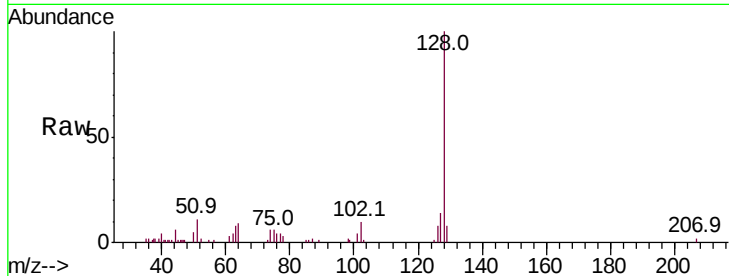
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	8233
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.6	16.0
129	9.9	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 1.060 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009903.D

Acq: 28 May 2019 09:57

Tgt Ion:	180	Resp:	2820
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	142.0
145	34.6	15.6	46.7

