

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009471.D
 Acq On : 10 May 2019 10:06
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:51:51 AM

Quant Time: May 10 15:14:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	29316	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	164401	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	146624	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	69757	28.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.60%
60) 4-Bromofluorobenzene	11.13	95	73453	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	8.71	98	206503	29.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	30168	19.366	ug/l 99
3) Chloromethane	1.32	50	43157	20.611	ug/l 98
4) Vinyl Chloride	1.41	62	43603	20.874	ug/l 96
5) Bromomethane	1.64	94	25295	19.104	ug/l 100
6) Chloroethane	1.72	64	27327	19.948	ug/l 98
7) Trichlorofluoromethane	1.93	101	54706	21.209	ug/l 95
8) Diethyl Ether	2.18	74	24908	20.797	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34228	21.433	ug/l 100
10) 1,1-Dichloroethene	2.37	96	33802	21.080	ug/l 96
11) Methyl Iodide	2.51	142	31927	18.316	ug/l 99
12) Methyl Acetate	2.77	43	54472	18.036	ug/l 97
13) Acrolein	2.29	56	43531	105.086	ug/l 97
14) Acrylonitrile	3.14	53	129508	98.806	ug/l 99
15) Acetone	2.44	58	42828	113.805	ug/l 99
16) Carbon Disulfide	2.57	76	97541	22.483	ug/l 99
17) Allyl chloride	2.73	41	78478	20.386	ug/l 98
18) Methylene Chloride	2.85	84	41035	21.175	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	36722	21.479	ug/l 98
20) Diisopropyl ether	3.85	45	155138	20.464	ug/l 92
21) 1,1-Dichloroethane	3.70	63	75715	20.638	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	43572	21.158	ug/l 99
23) tert-Butyl Alcohol	3.04	59	51830	93.517	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	128428	20.466	ug/l 99
25) Chloroform	5.21	83	69690	20.816	ug/l 100
26) Cyclohexane	5.58	56	73676	21.548	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	54060	22.410	ug/l 100
30) 2-Butanone	4.67	43	202845	107.372	ug/l 99
31) 2,2-Dichloropropane	4.58	77	57637	21.673	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	57806	22.105	ug/l 98
33) Carbon Tetrachloride	5.78	117	47855	21.871	ug/l 97
34) Benzene	6.14	78	165356	22.234	ug/l 99
35) Methacrylonitrile	5.04	41	40681	20.582	ug/l 95
36) 1,2-Dichloroethane	6.19	62	59387	22.007	ug/l 100
37) Trichloroethene	7.21	130	40475	22.608	ug/l 94
38) Methylcyclohexane	7.46	83	68732	23.062	ug/l 99
39) 1,2-Dichloropropane	7.51	63	45656	21.558	ug/l 97
40) Dibromomethane	7.66	93	26349	21.920	ug/l 98

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Manual Integrations
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Quant Time: May 10 15:14:23 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	52770	21.492	ug/l	97
42) Vinyl Acetate	3.81	43	685275	109.904	ug/l	99
43) Ethyl Acetate	4.82	43	71501	20.945	ug/l	98
44) Isopropyl Acetate	6.44	43	114322	20.672	ug/l	98
45) 1,4-Dioxane	7.74	88	22274	410.238	ug/l	97
46) Methyl methacrylate	7.77	41	57623	20.876	ug/l	98
47) n-amyl Acetate	10.90	43	101304	20.335	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	59303	20.700	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	67794	21.556	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	39650	21.530	ug/l	96
51) Ethyl methacrylate	9.18	69	71321	20.957	ug/l	96
52) 1,3-Dichloropropane	9.37	76	71510	21.879	ug/l	99
53) Dibromochloromethane	9.58	129	38895	21.207	ug/l	99
54) 1,2-Dibromoethane	9.67	107	41265	21.848	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	198763	109.604	ug/l	99
56) Bromoform	10.85	173	28858	20.497	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	375600	104.180	ug/l	100
59) 2-Hexanone	9.49	43	292381	103.395	ug/l	100
61) Tetrachloroethene	9.34	164	37469	23.181	ug/l	97
62) Toluene	8.78	91	174946	22.329	ug/l	100
64) Chlorobenzene	10.13	112	104464	22.154	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	37331	21.622	ug/l	99
66) Ethyl Benzene	10.25	91	193243	22.140	ug/l	97
67) m/p-Xylenes	10.35	106	141529	44.412	ug/l	100
68) o-Xylene	10.69	106	68695	21.923	ug/l	99
69) Styrene	10.71	104	120157	21.844	ug/l	99
70) Isopropylbenzene	11.02	105	186321	22.110	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	64640	20.945	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	57970m	21.797	ug/l	
73) Bromobenzene	11.26	156	45207	21.712	ug/l	99
74) n-propylbenzene	11.36	91	217899	22.313	ug/l	100
75) 2-Chlorotoluene	11.42	91	129204	22.058	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	158388	22.188	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	20974	19.551	ug/l	94
78) 4-Chlorotoluene	11.51	91	147645	22.194	ug/l	99
79) tert-butylbenzene	11.77	119	150911	21.869	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	157957	22.078	ug/l	100
81) sec-Butylbenzene	11.94	105	182970	22.317	ug/l	100
82) p-Isopropyltoluene	12.06	119	166147	22.278	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	81668	21.963	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	81502	22.000	ug/l	99
85) n-Butylbenzene	12.38	91	150046	21.987	ug/l	100
86) Hexachloroethane	12.59	117	26107	20.572	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	80823	21.593	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14598	20.355	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	59464	22.289	ug/l	99
90) Hexachlorobutadiene	13.78	225	30919	23.202	ug/l	98
91) Naphthalene	13.83	128	188412	21.570	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	61123	22.539	ug/l	99

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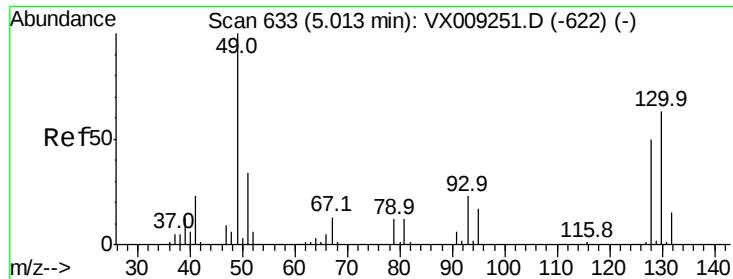
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QLast Update : Thu May 02 06:46:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

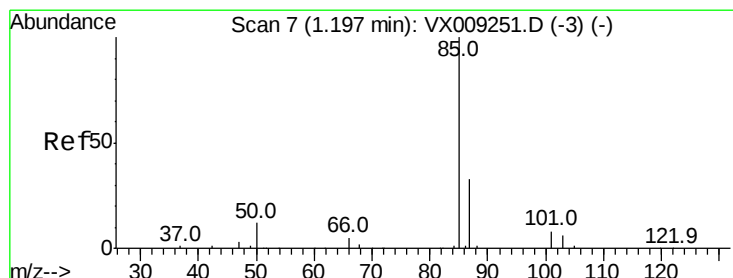
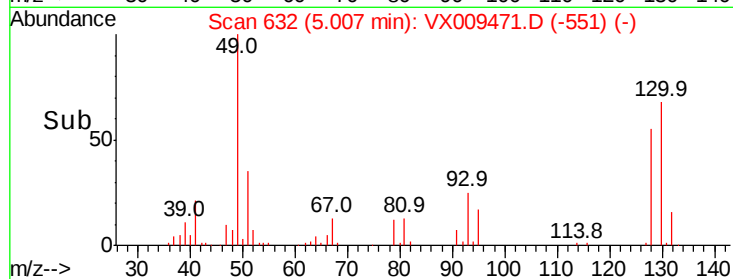
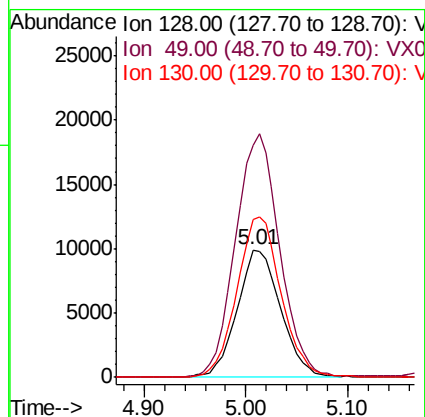
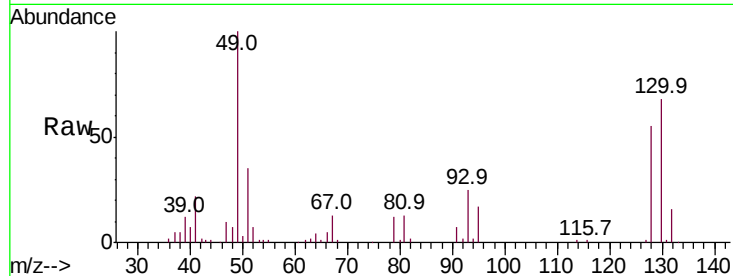
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	29316
Ion	Ratio	Lower	Upper
128	100		
49	194.4	0.0	515.0
130	127.6	0.0	323.3

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#2

Dichlorodifluoromethane

Concen: 19.366 ug/l

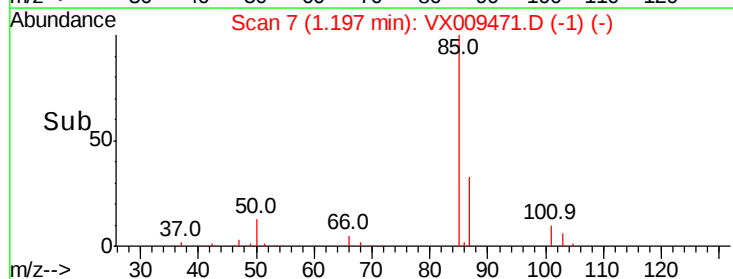
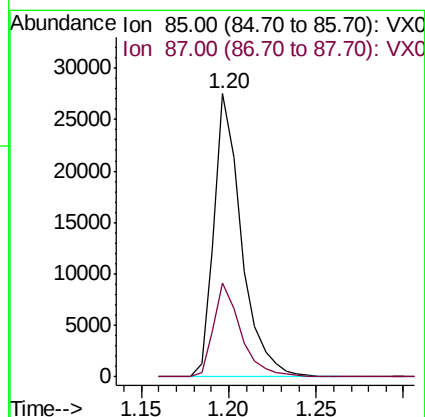
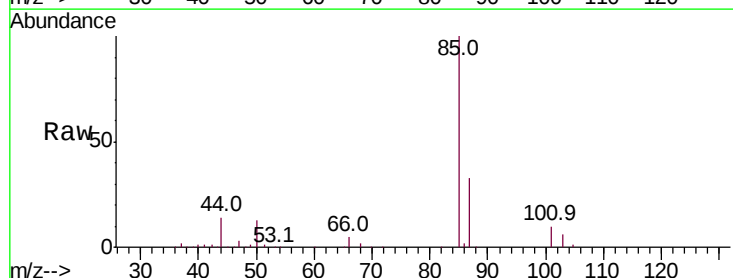
RT: 1.20 min Scan# 7

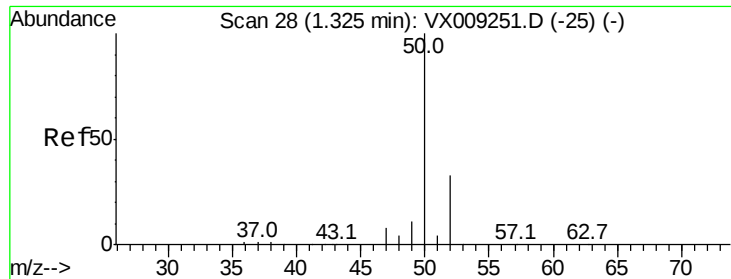
Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion:	85	Resp:	30168
Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.3	48.9





#3

Chloromethane

Concen: 20.611 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 43157

Ion Ratio Lower Upper

50 100

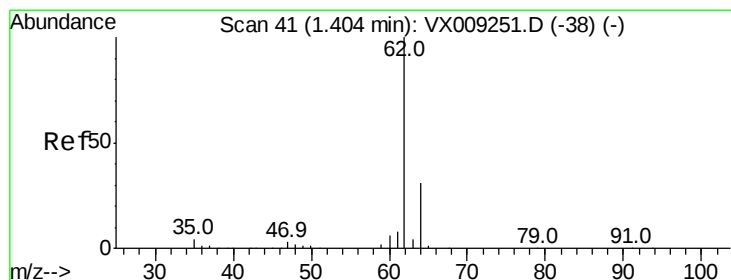
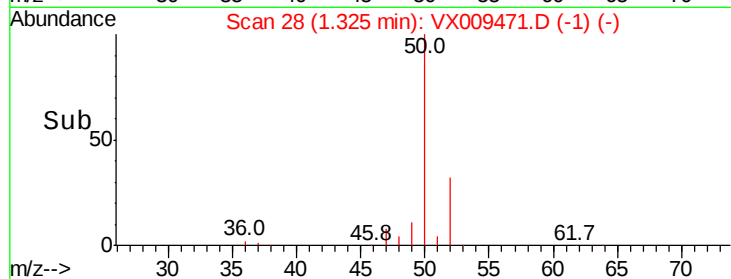
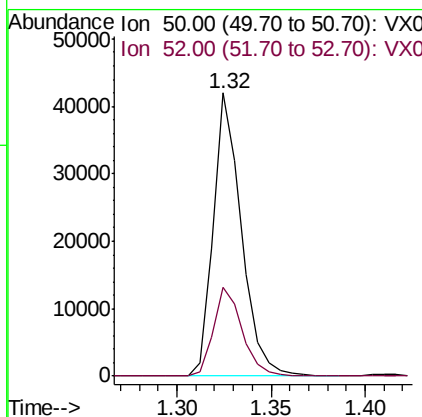
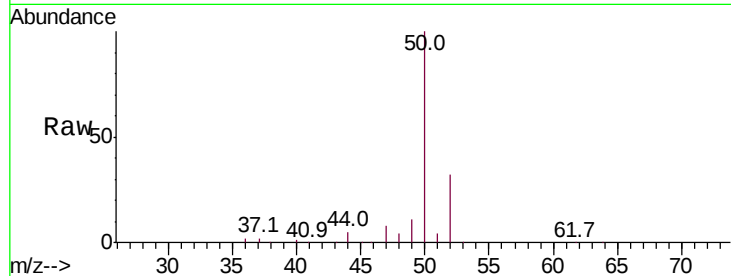
52 31.6 26.3 39.5

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#4

Vinyl Chloride

Concen: 20.874 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009471.D

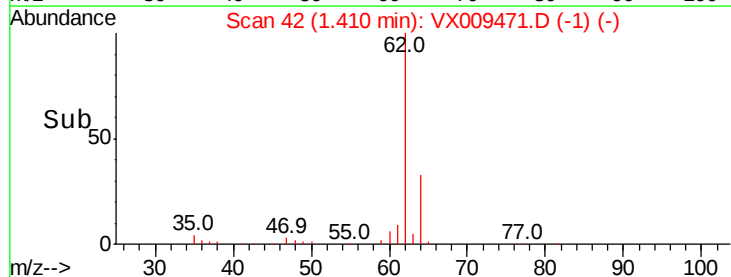
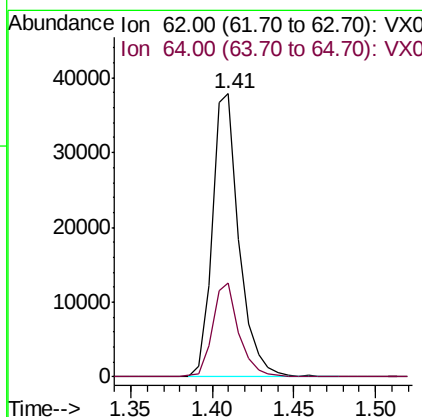
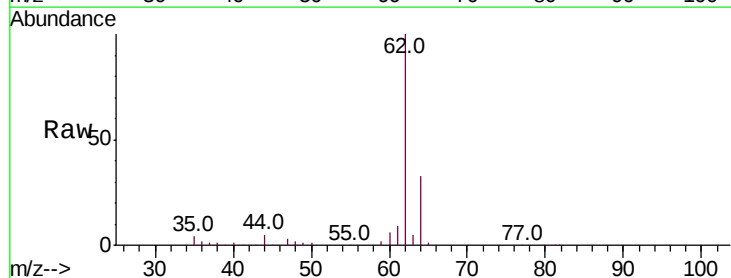
Acq: 10 May 2019 10:06

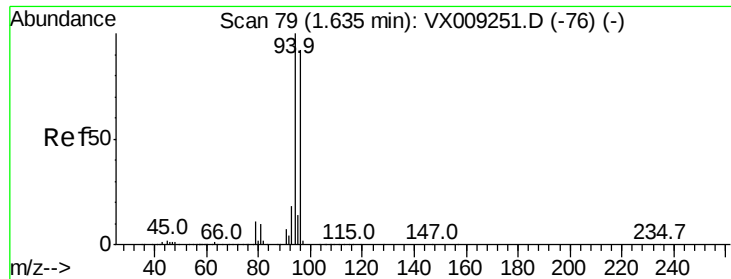
Tgt Ion: 62 Resp: 43603

Ion Ratio Lower Upper

62 100

64 32.8 24.6 36.8





#5

Bromomethane

Concen: 19.104 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 25295

Ion Ratio Lower Upper

94 100

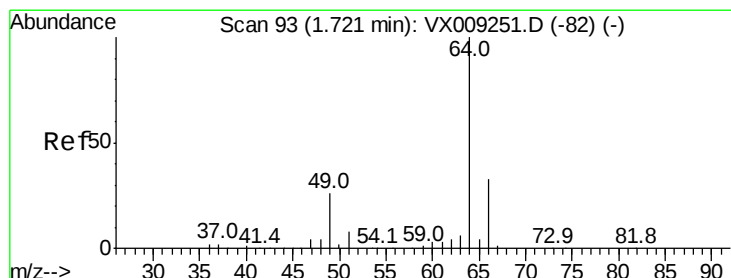
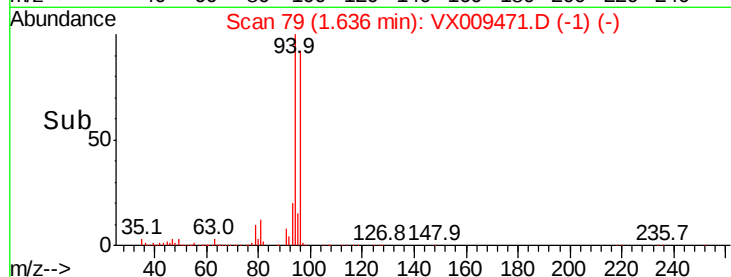
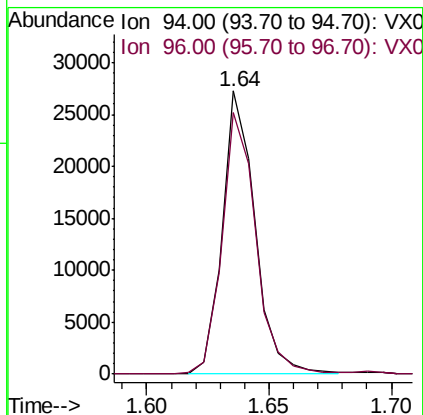
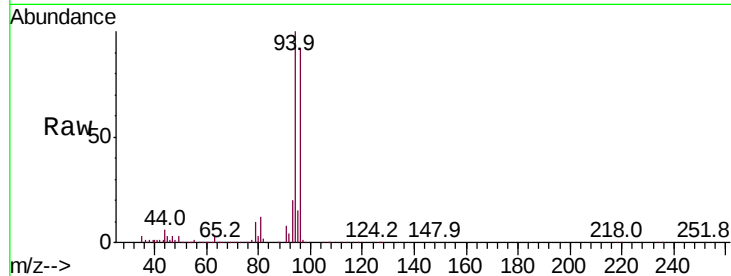
96 92.1 73.5 110.3

Manual Integrations

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#6

Chloroethane

Concen: 19.948 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009471.D

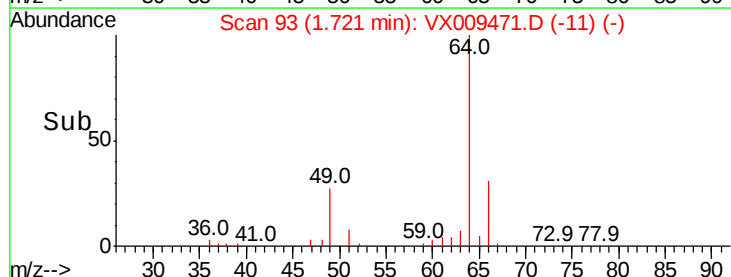
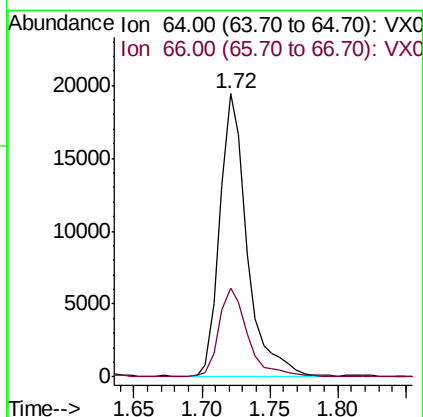
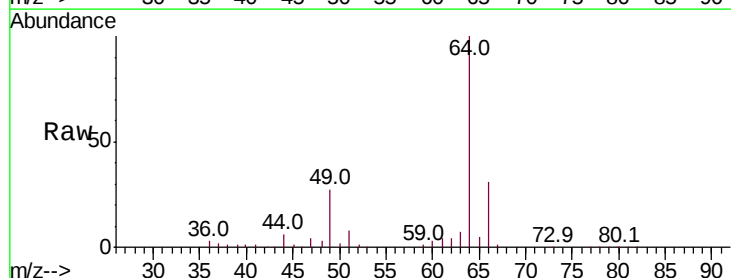
Acq: 10 May 2019 10:06

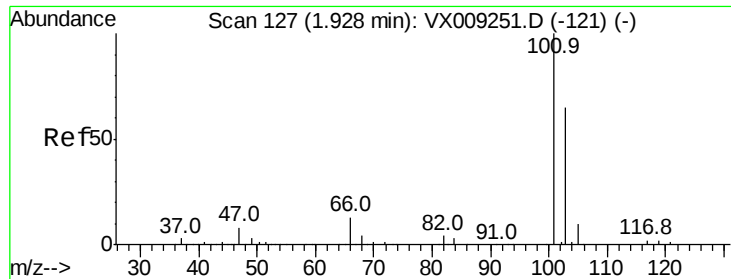
Tgt Ion: 64 Resp: 27327

Ion Ratio Lower Upper

64 100

66 31.2 25.9 38.9





#7

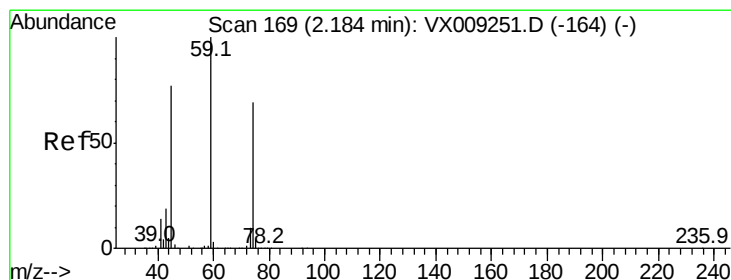
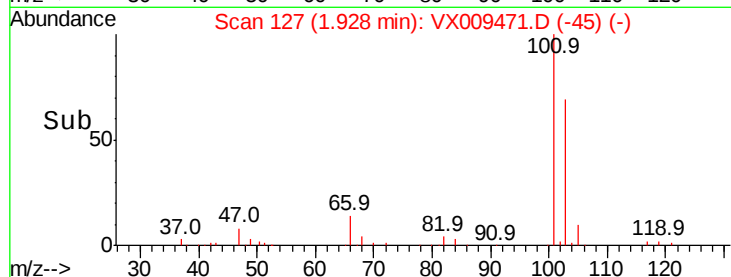
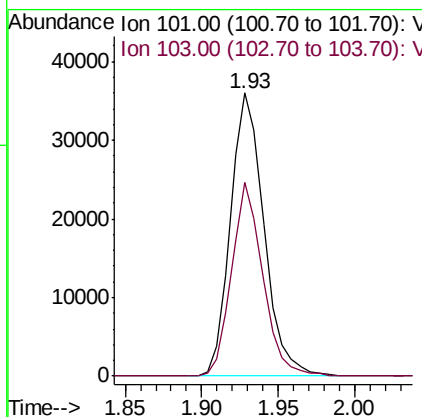
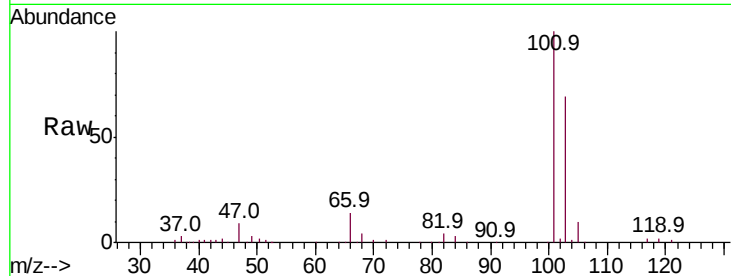
Trichlorofluoromethane
Concen: 21.209 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

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ClientSampleId :
VSTDCCC020

Tot Ion:101 Resp: 54706
Ion Ratio Lower Upper
101 100
103 68.5 51.9 77.9

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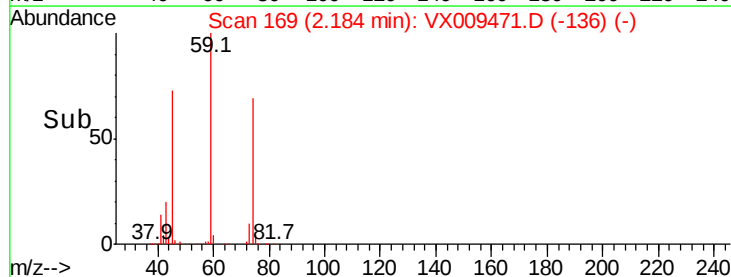
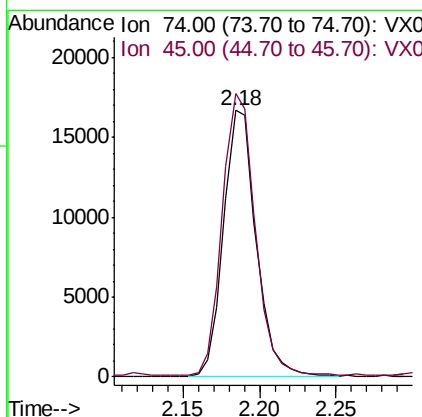
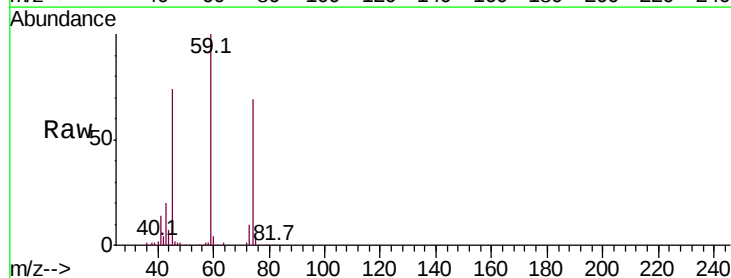
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5/11/2019 11:51:51 AM

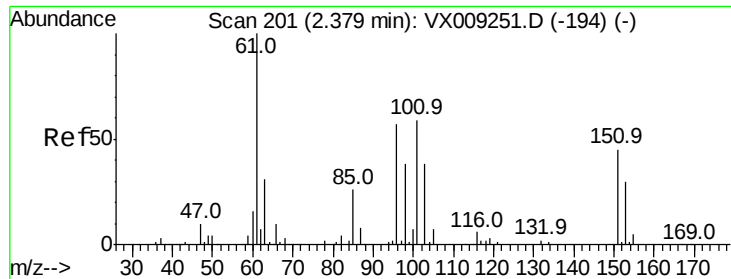


#8

Diethyl Ether
Concen: 20.797 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion: 74 Resp: 24908
Ion Ratio Lower Upper
74 100
45 106.4 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.433 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

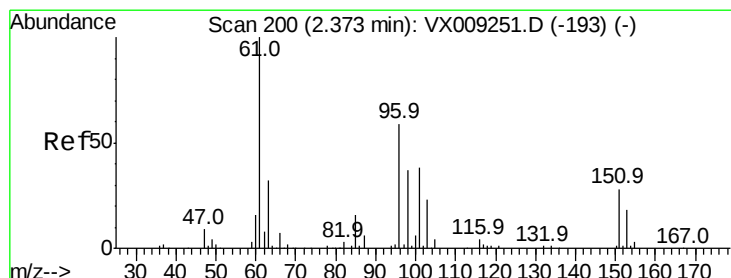
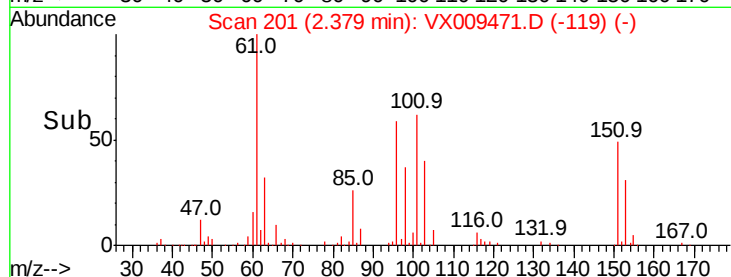
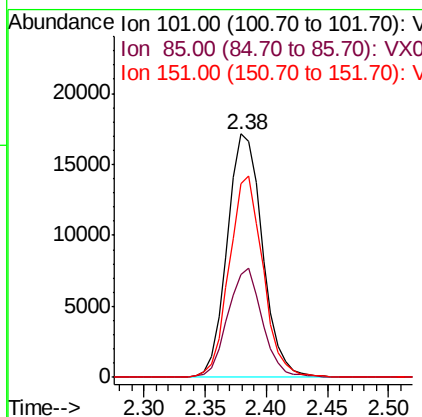
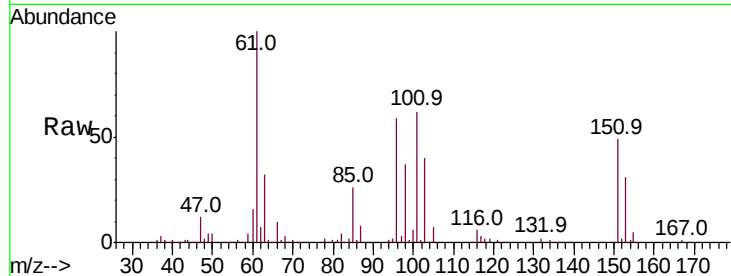
ClientSampleId :

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Tot Ion:	101	Resp:	34228
Ion Ratio	Lower	Upper	
101	100		
85	44.0	0.0	87.4
151	78.9	0.0	157.0

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5/11/2019 11:51:51 AM



#10

1,1-Dichloroethene

Concen: 21.080 ug/l

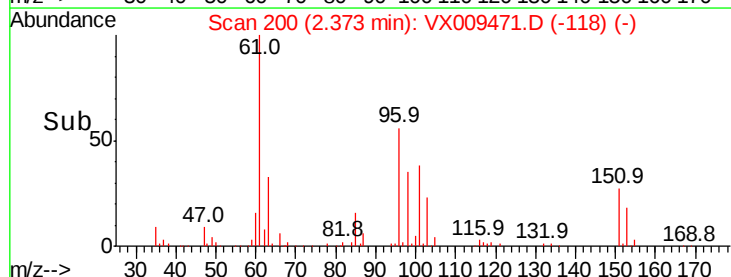
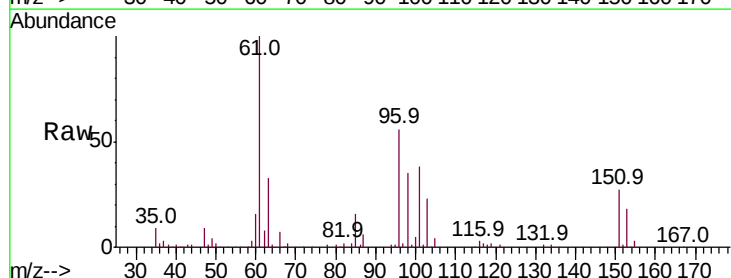
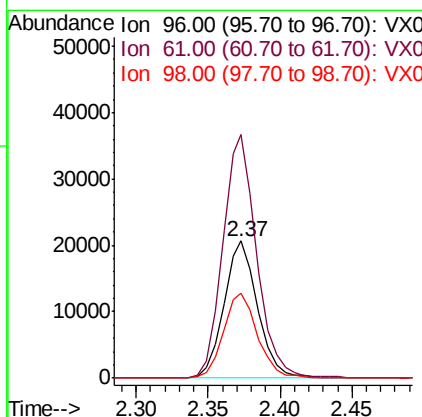
RT: 2.37 min Scan# 200

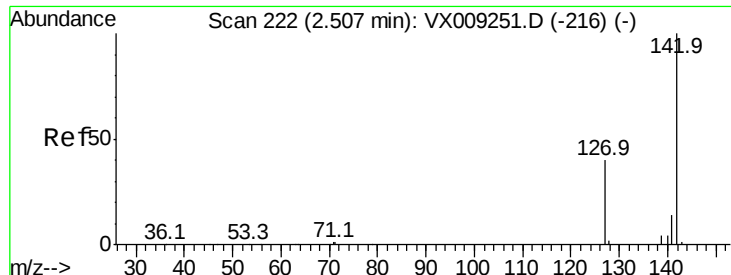
Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion:	96	Resp:	33802
Ion Ratio	Lower	Upper	
96	100		
61	177.1	136.5	204.7
98	61.7	51.0	76.4





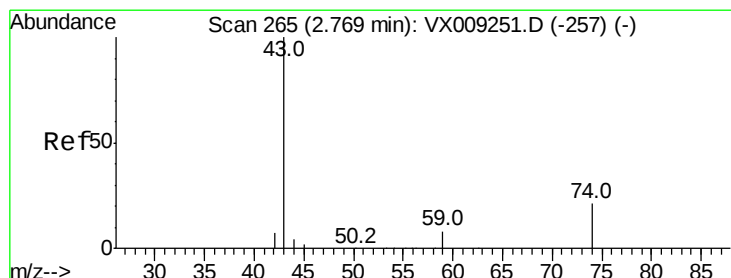
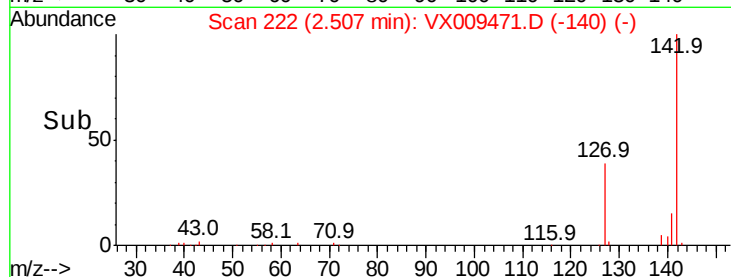
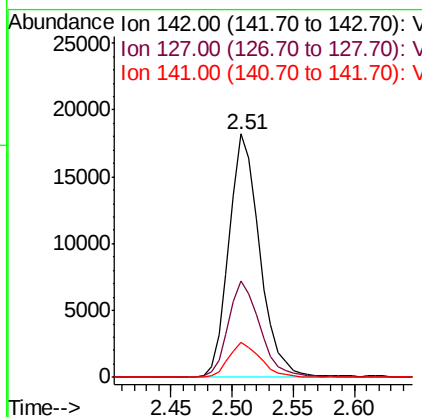
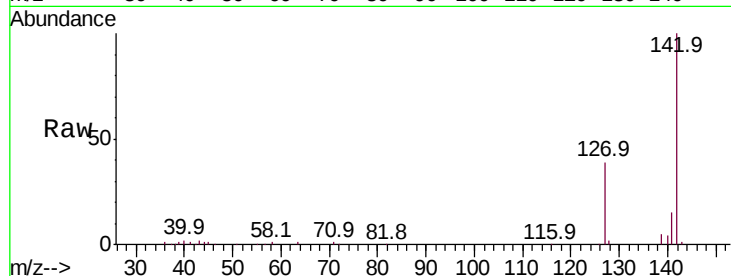
#11
Methyl Iodide
Concen: 18.316 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.5	20.2	60.5
141	14.6	6.9	20.7

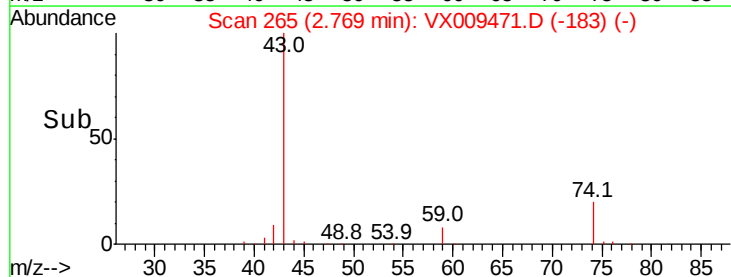
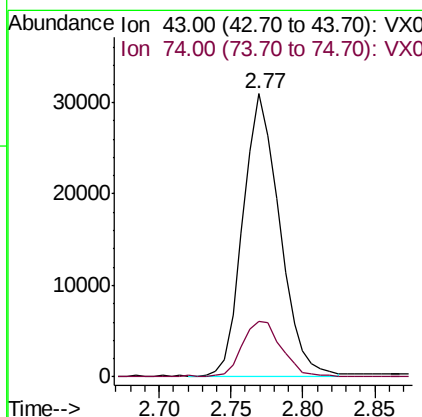
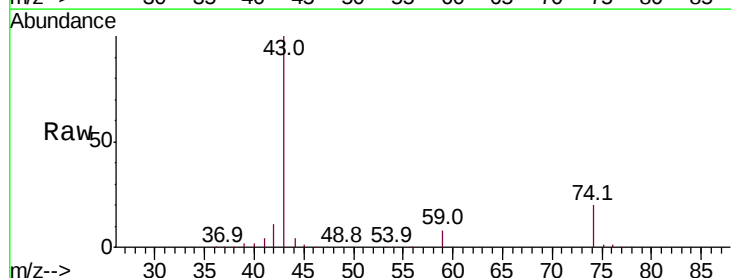
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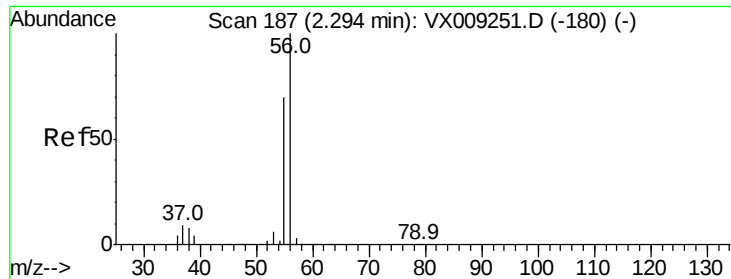
MMDadoda
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#12
Methyl Acetate
Concen: 18.036 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	16.5	24.7





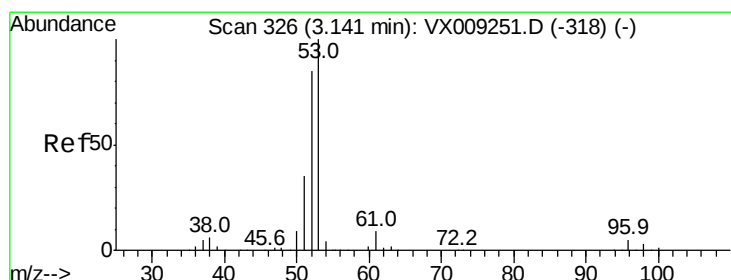
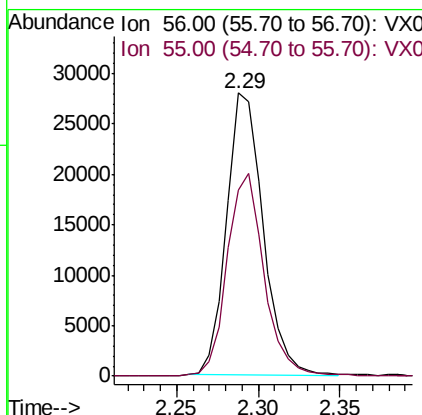
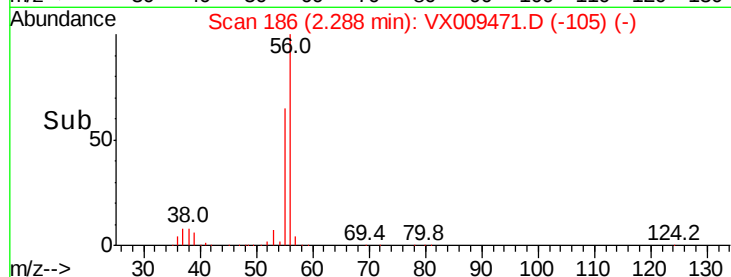
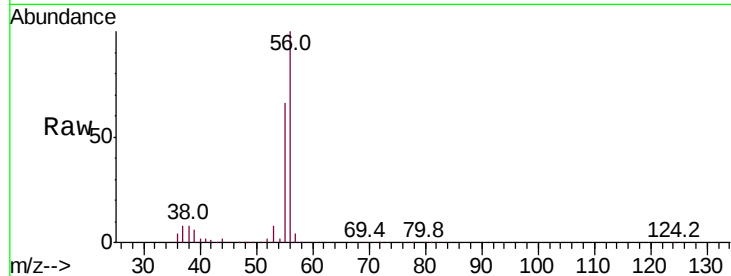
#13
Acrolein
Concen: 105.086 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 56 Resp: 43531
Ion Ratio Lower Upper
56 100
55 73.4 56.9 85.3

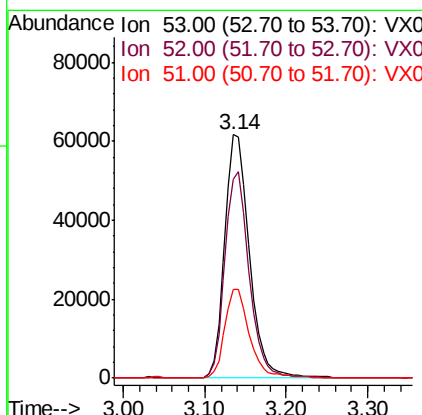
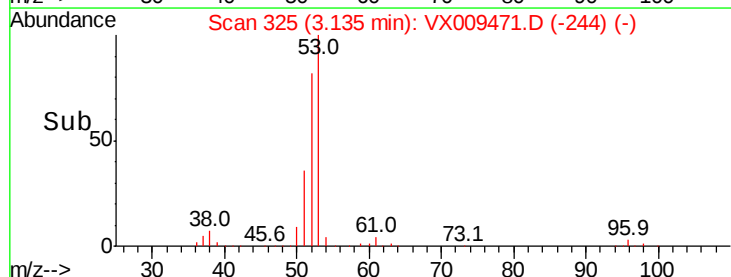
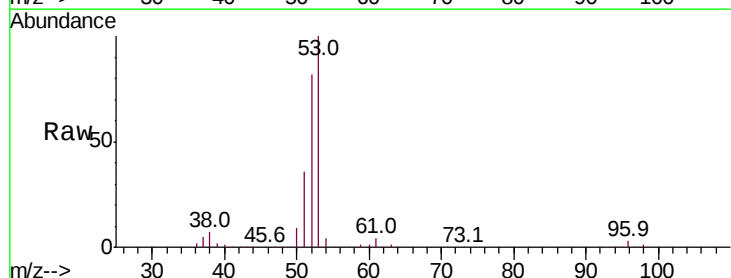
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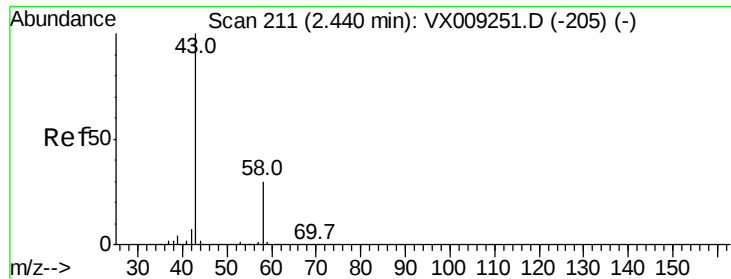
MMDadoda
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#14
Acrylonitrile
Concen: 98.806 ug/l
RT: 3.14 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion: 53 Resp: 129508
Ion Ratio Lower Upper
53 100
52 83.0 41.5 124.5
51 36.7 17.8 53.3





#15

Acetone

Concen: 113.805 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 42828

Ion Ratio Lower Upper

58 100

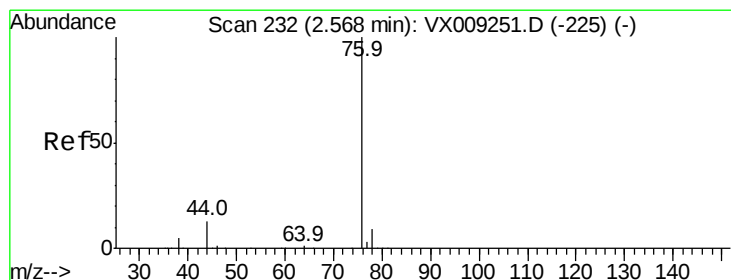
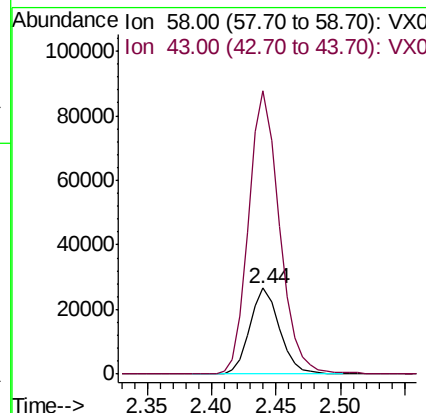
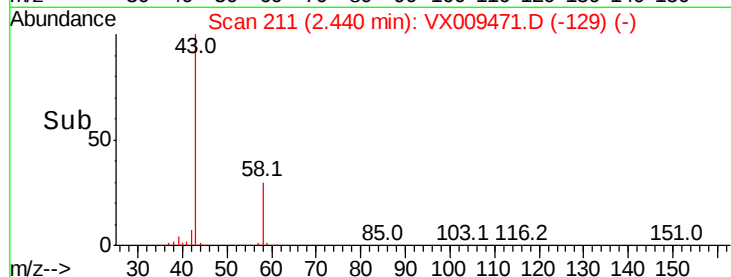
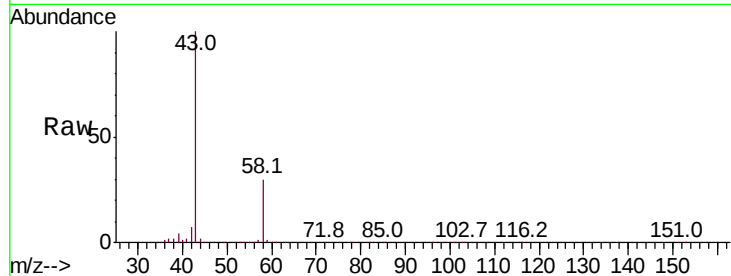
43 327.9 264.0 396.0

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#16

Carbon Disulfide

Concen: 22.483 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009471.D

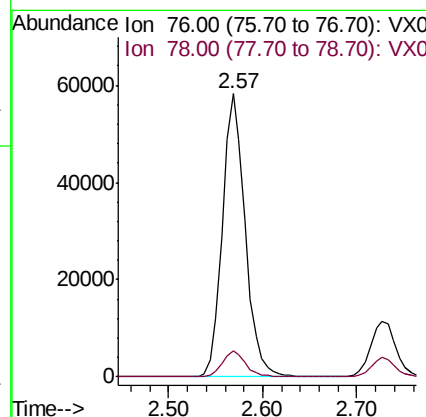
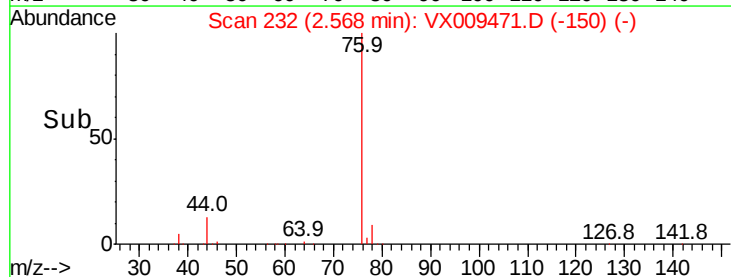
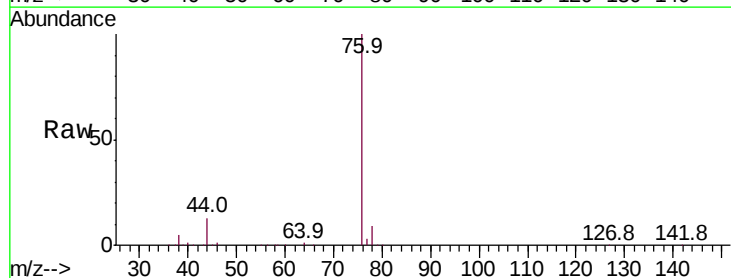
Acq: 10 May 2019 10:06

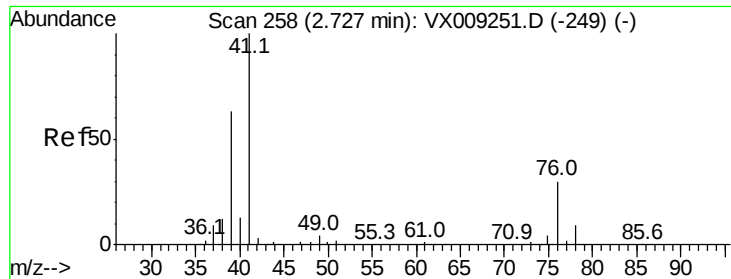
Tgt Ion: 76 Resp: 97541

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#17

Allvl chloride

Concen: 20.386 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

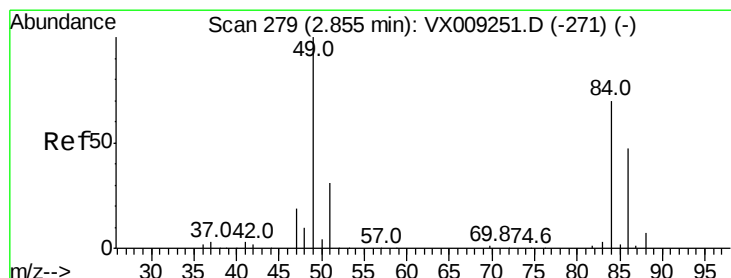
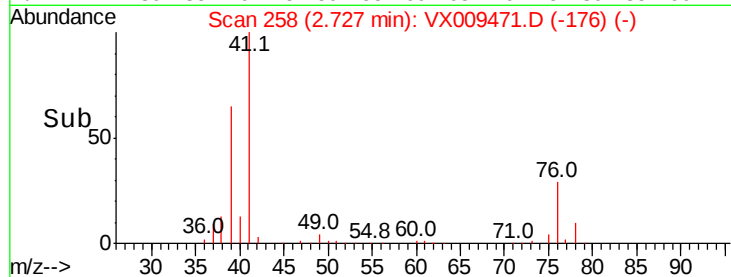
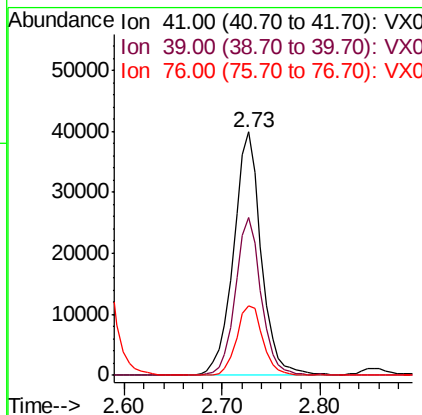
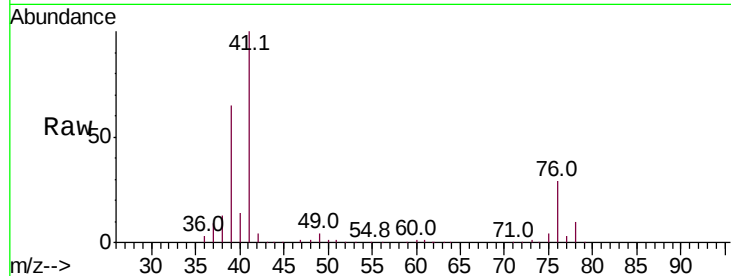
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	78478
Ion Ratio	Lower	Upper	
41	100		
39	64.8	31.6	94.7
76	28.6	15.1	45.3

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#18

Methylene Chloride

Concen: 21.175 ug/l

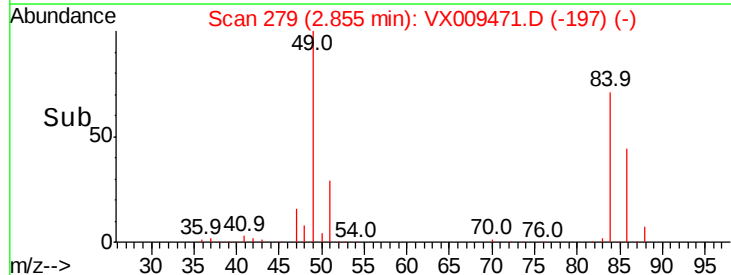
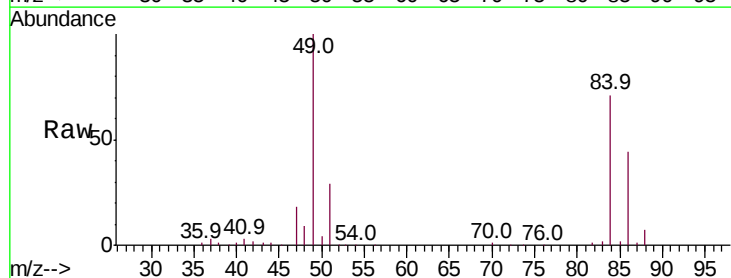
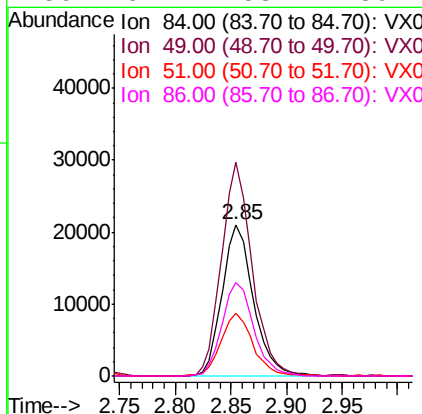
RT: 2.85 min Scan# 279

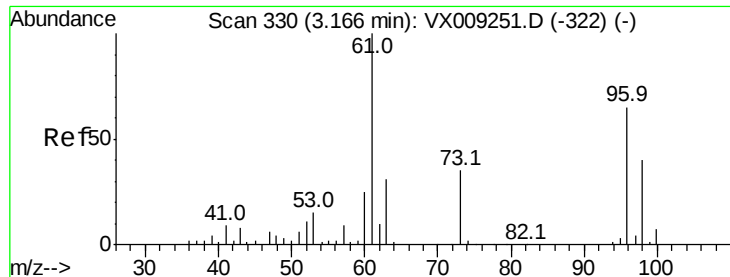
Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion:	84	Resp:	41035
Ion Ratio	Lower	Upper	
84	100		
49	140.9	114.6	171.8
51	41.4	35.5	53.3
86	62.2	53.4	80.2





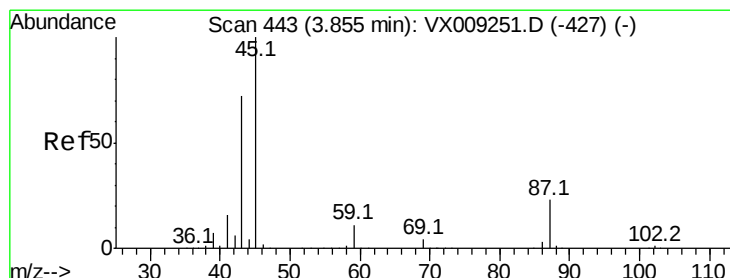
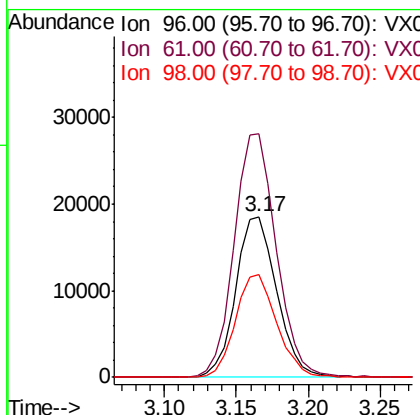
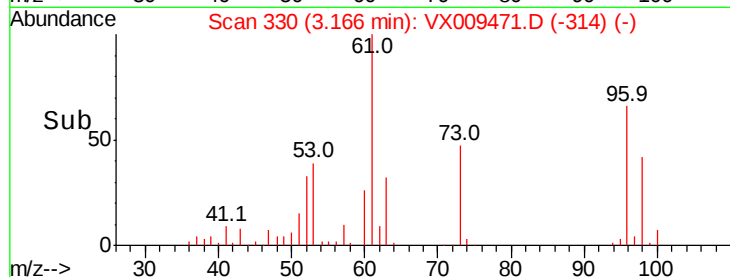
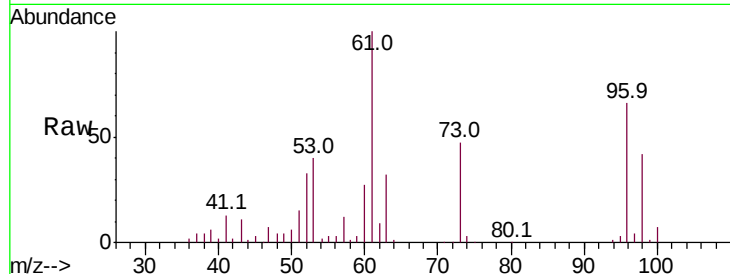
#19
trans-1,2-Dichloroethene
Concen: 21.479 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	122.7	184.1
98	64.0	49.5	74.3

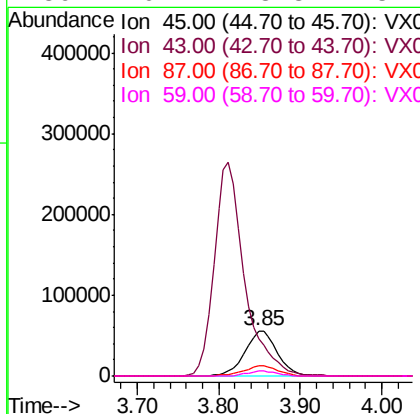
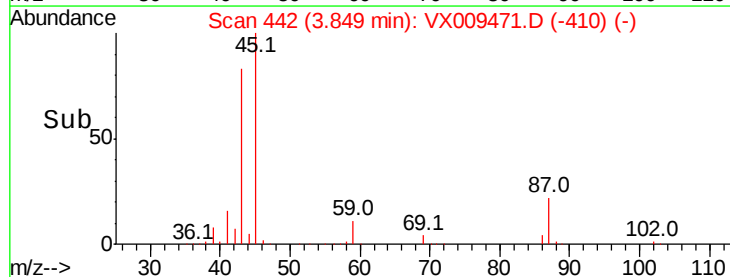
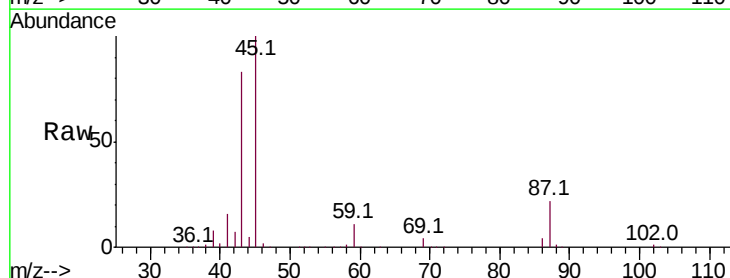
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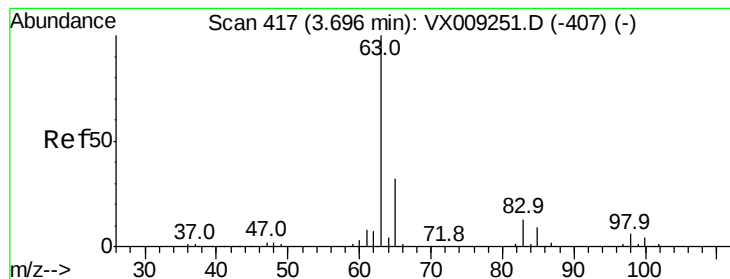
MMDadoda
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#20
Diisopropyl ether
Concen: 20.464 ug/l
RT: 3.85 min Scan# 442
Delta R.T. -0.01 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	81.7	57.7	86.5
87	22.3	18.5	27.7
59	10.7	8.8	13.2





#21

1,1-Dichloroethane

Concen: 20.638 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

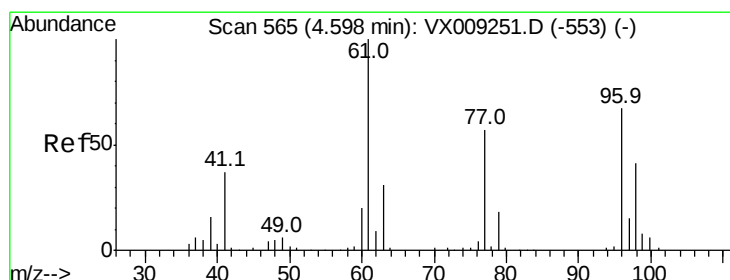
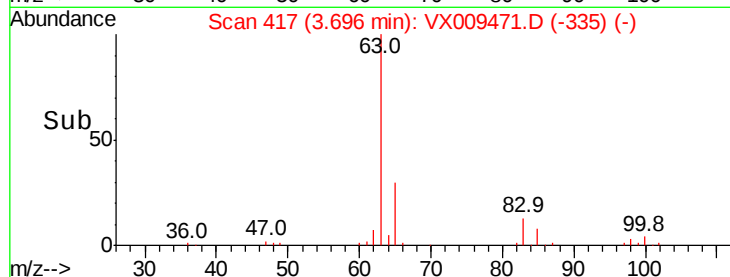
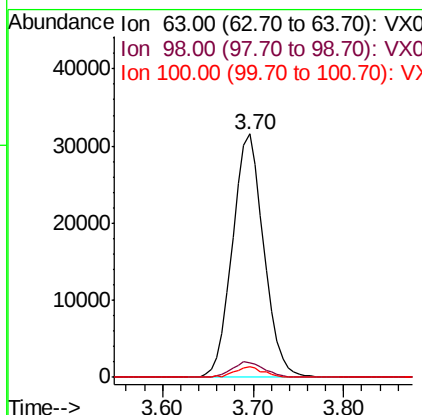
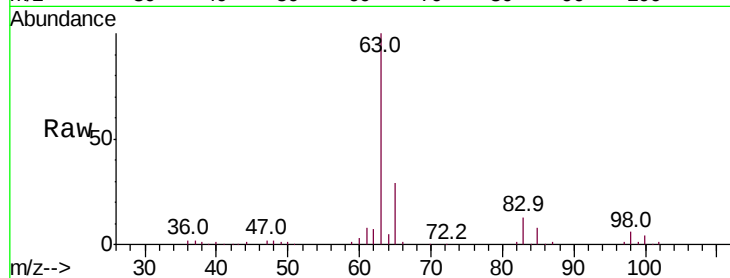
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	75715
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.1	9.3
100	4.3	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 21.158 ug/l

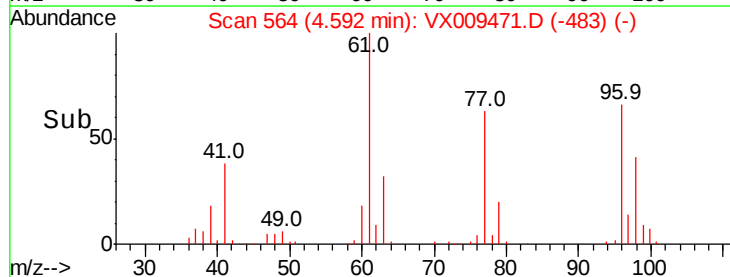
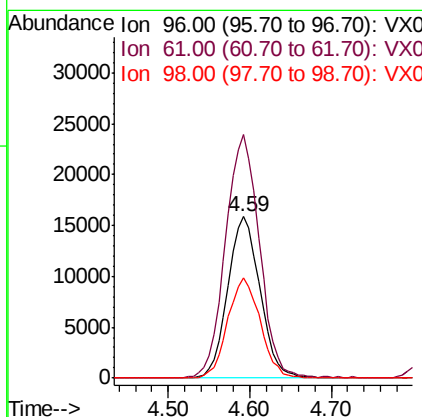
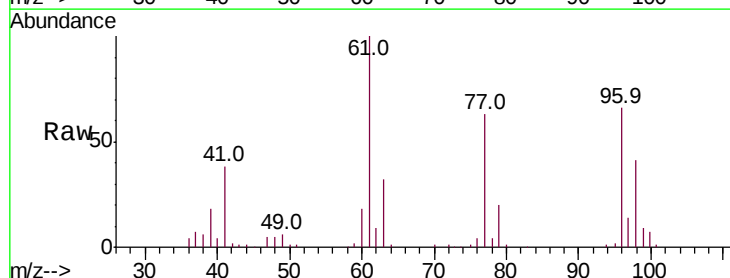
RT: 4.59 min Scan# 564

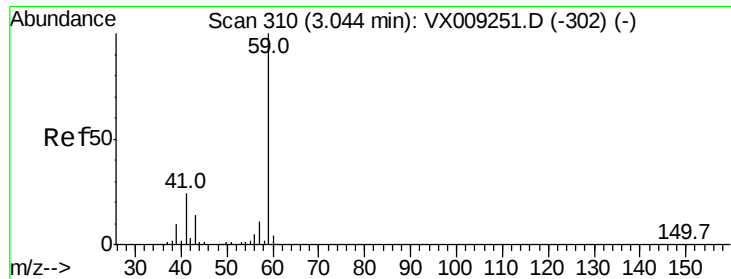
Delta R.T. -0.01 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion:	96	Resp:	43572
Ion Ratio	Lower	Upper	
96	100		
61	157.7	127.7	191.5
98	62.2	50.5	75.7





#23

tert-Butyl Alcohol

Concen: 93.517 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 59 Resp: 51830

Ion Ratio Lower Upper

59 100

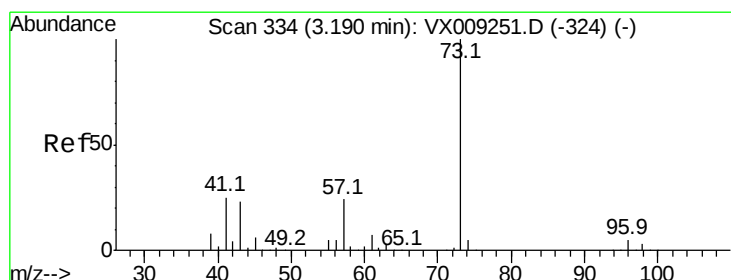
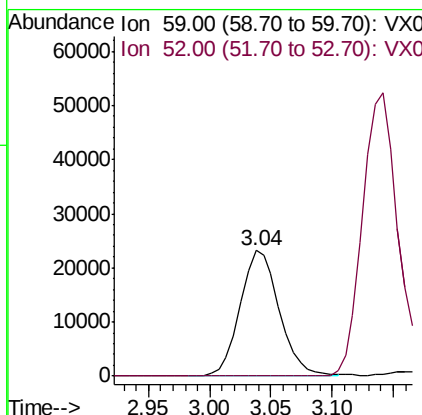
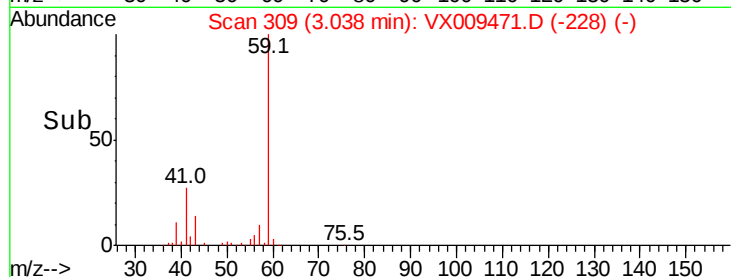
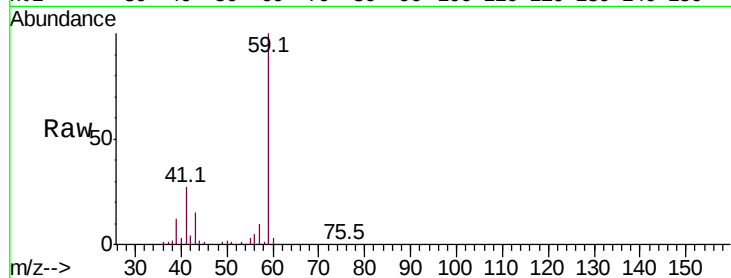
52 0.3 0.2 0.2#

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#24

Methyl tert-Butyl Ether

Concen: 20.466 ug/l

RT: 3.19 min Scan# 334

Delta R.T. 0.00 min

Lab File: VX009471.D

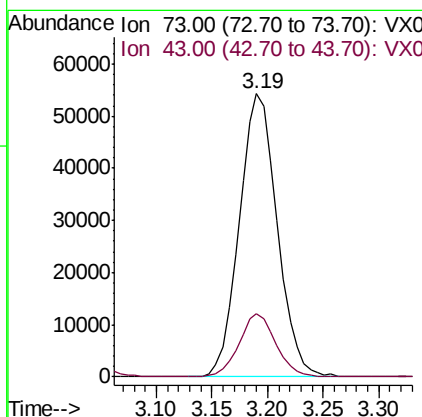
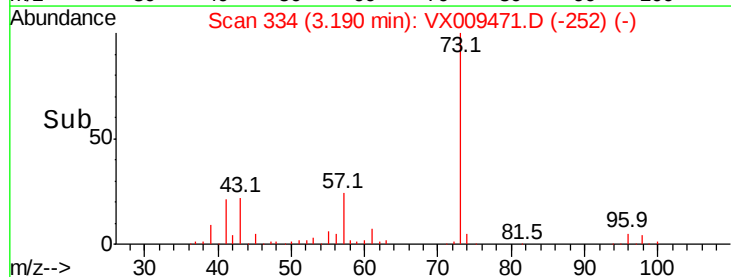
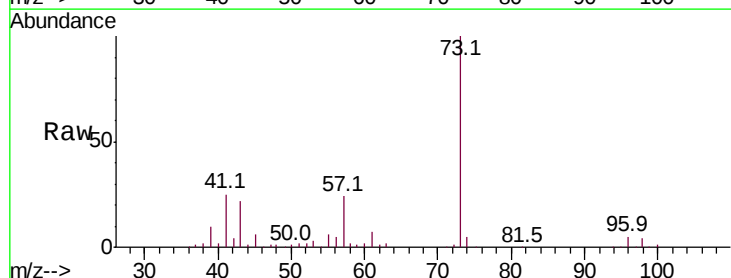
Acq: 10 May 2019 10:06

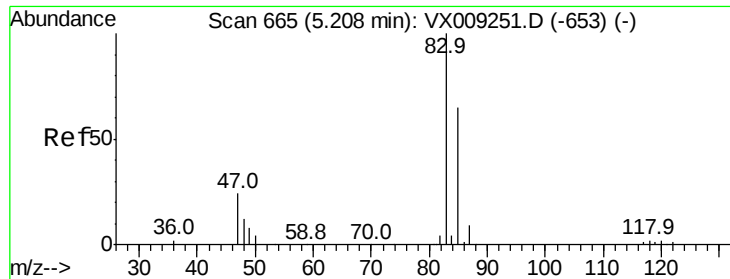
Tgt Ion: 73 Resp: 128428

Ion Ratio Lower Upper

73 100

43 21.4 17.6 26.4





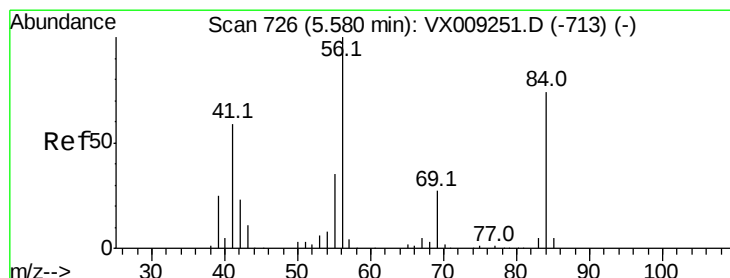
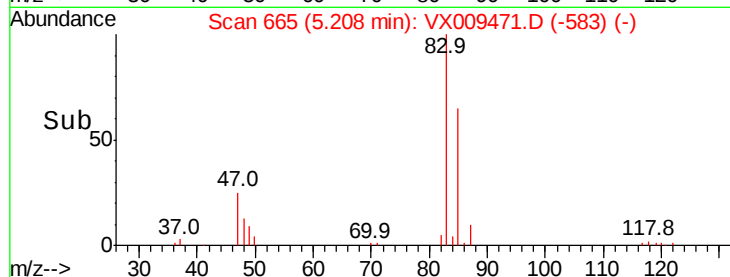
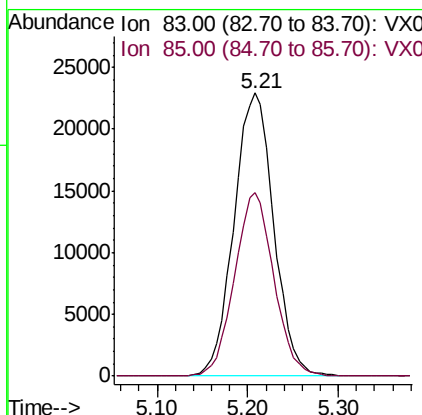
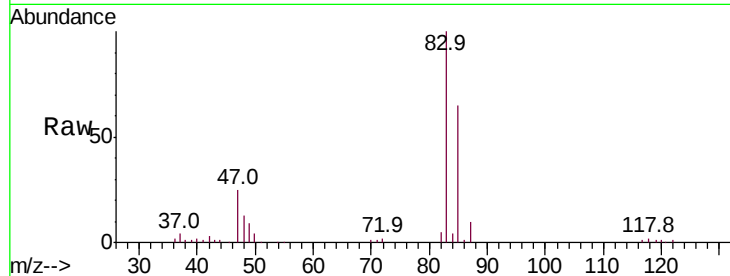
#25
Chloroform
Concen: 20.816 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 83 Resp: 69690
Ion Ratio Lower Upper
83 100
85 64.7 51.9 77.9

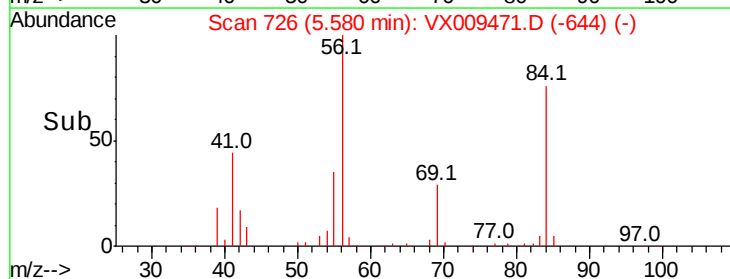
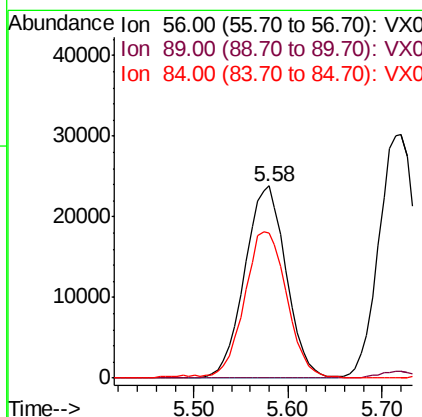
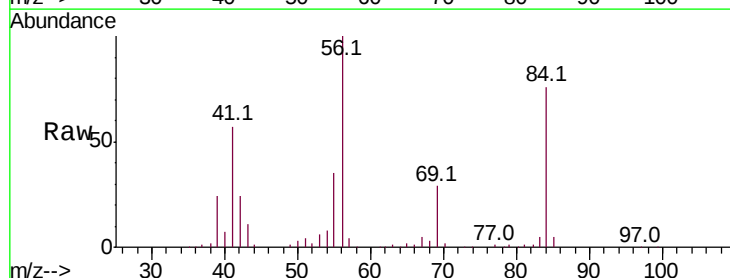
Manual Integrations
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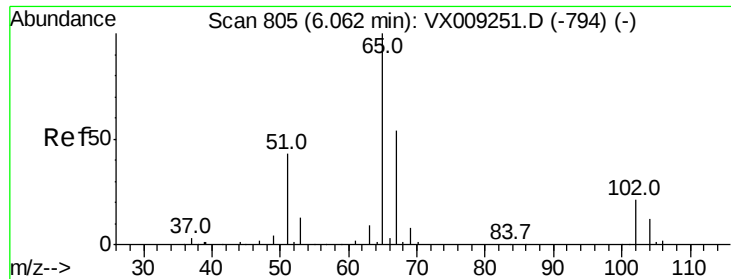
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#26
Cyclohexane
Concen: 21.548 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion: 56 Resp: 73676
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.4 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 28.684 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 69757

Ion Ratio Lower Upper

65 100

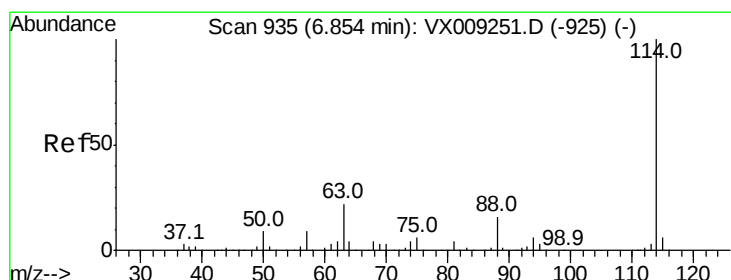
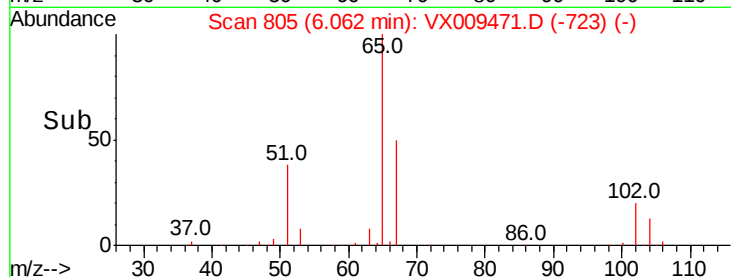
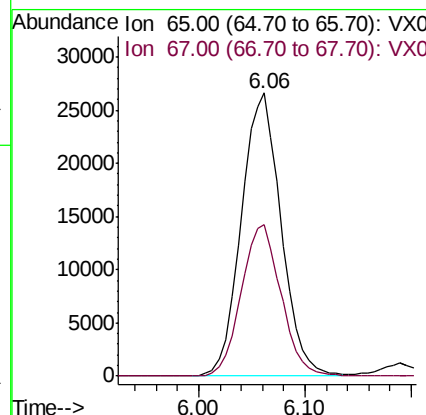
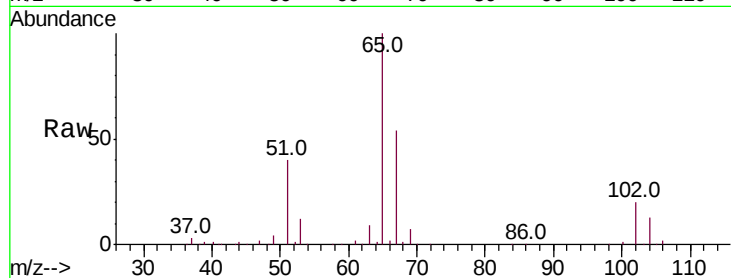
67 52.7 43.1 64.7

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

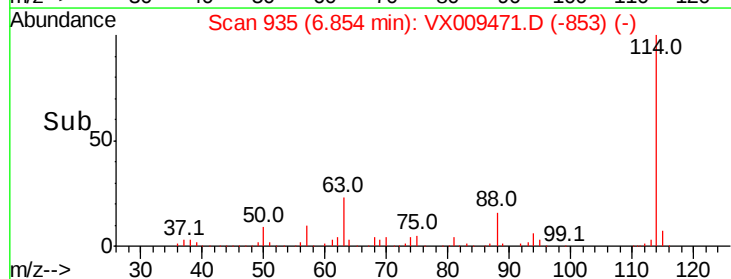
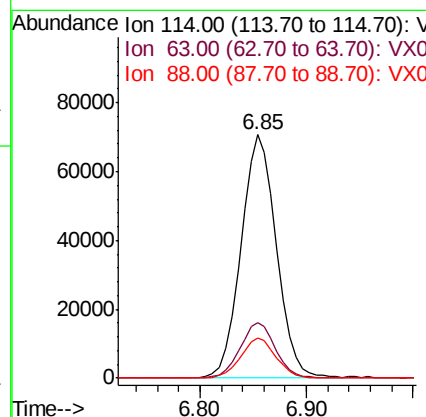
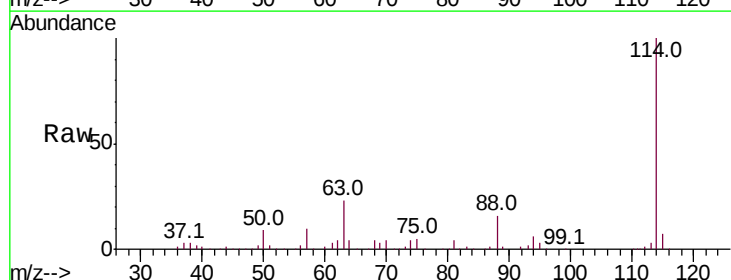
Tgt Ion: 114 Resp: 164401

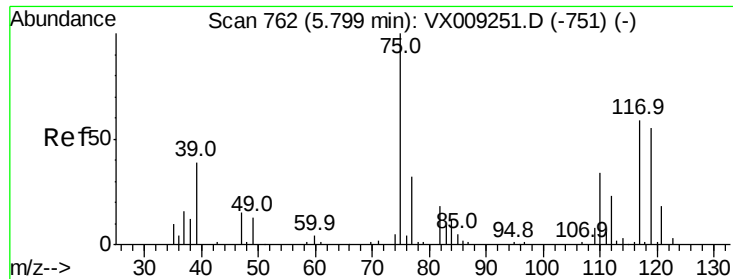
Ion Ratio Lower Upper

114 100

63 22.9 18.0 27.0

88 16.4 13.4 20.0





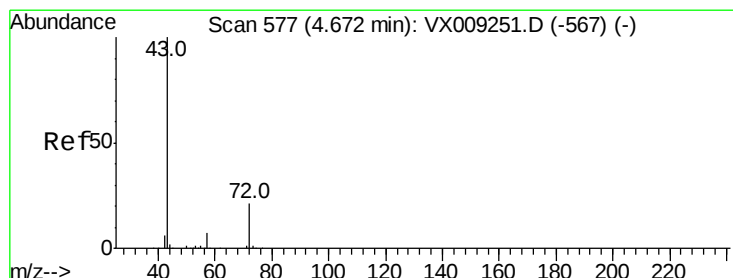
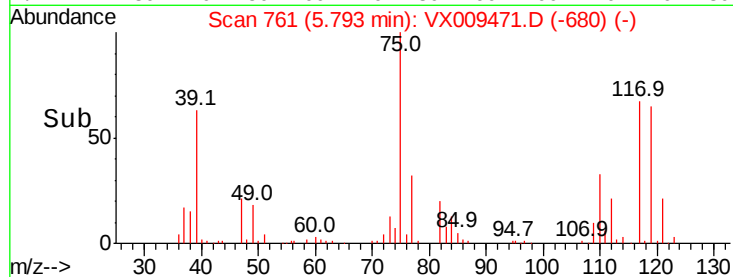
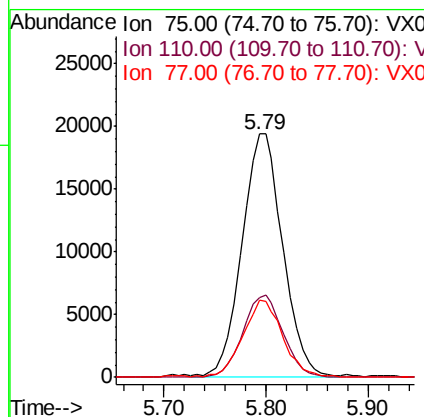
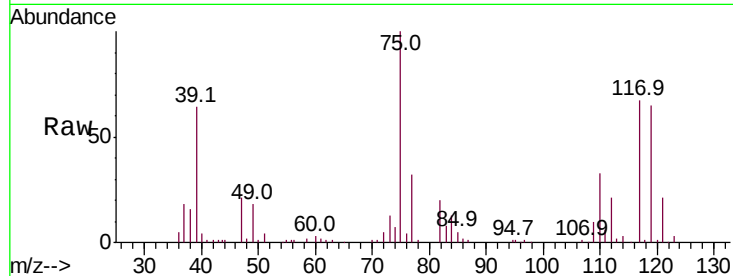
#29
 1,1-Dichloropropene
 Concen: 22.410 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.2	0.0	66.4
77	31.0	0.0	62.2

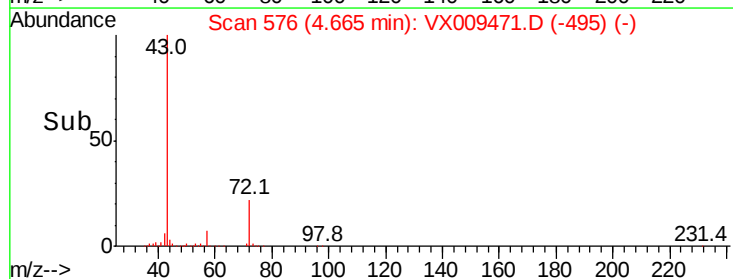
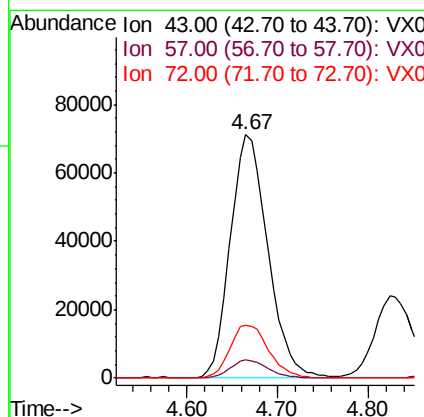
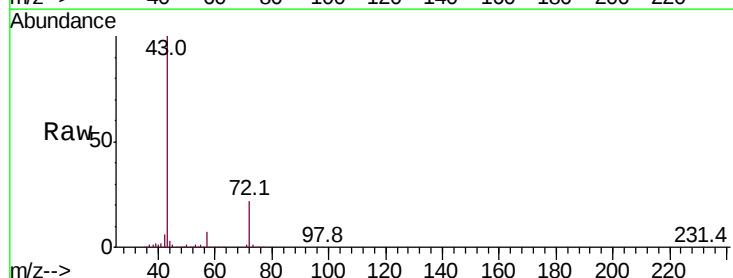
Manual Integrations
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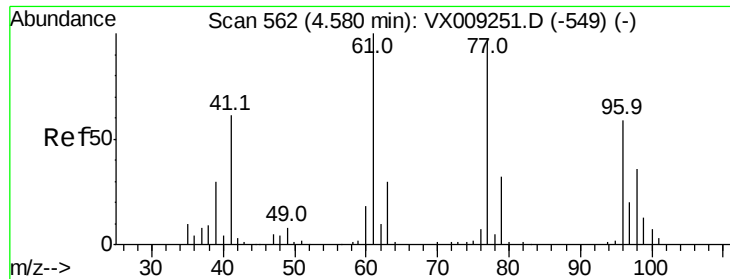
MMDadoda
 5/11/2019 11:51:51 AM



#30
 2-Butanone
 Concen: 107.372 ug/l
 RT: 4.67 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	6.0	9.0
72	22.5	18.2	27.4





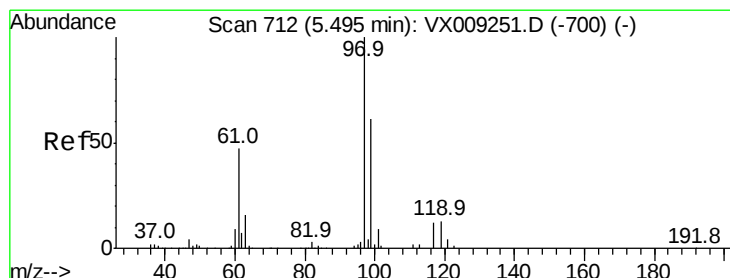
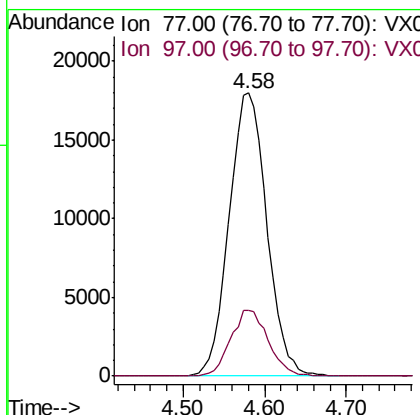
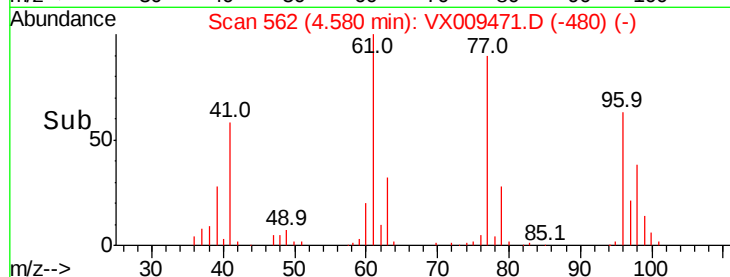
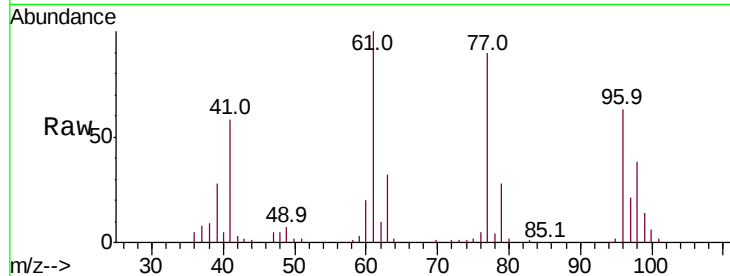
#31
 2,2-Dichloropropane
 Concen: 21.673 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 57637
 Ion Ratio Lower Upper
 77 100
 97 23.1 18.3 27.5

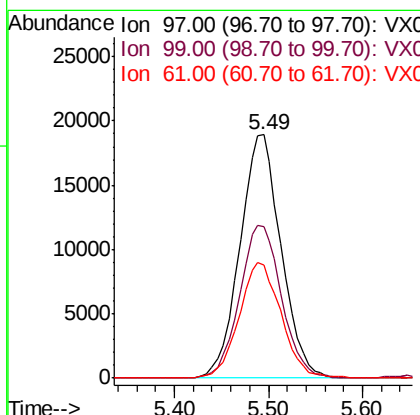
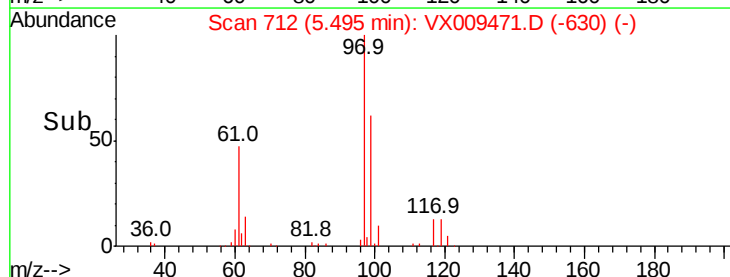
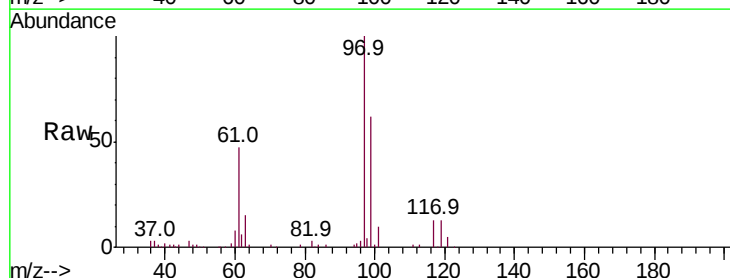
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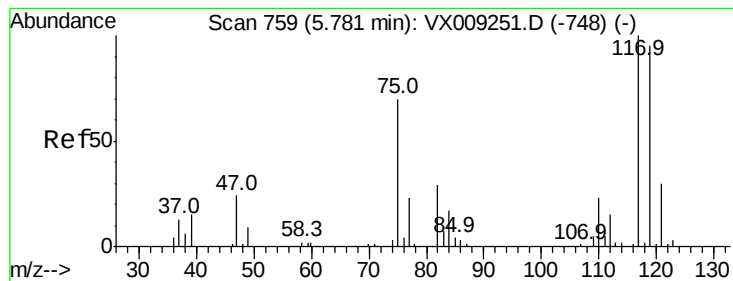
MMDadoda
 5/11/2019 11:51:51 AM



#32
 1,1,1-Trichloroethane
 Concen: 22.105 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion: 97 Resp: 57806
 Ion Ratio Lower Upper
 97 100
 99 64.0 53.9 80.9
 61 48.3 38.6 58.0





#33

Carbon Tetrachloride

Concen: 21.871 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:117 Resp: 47855

Ion Ratio Lower Upper

117 100

119 92.0 76.1 114.1

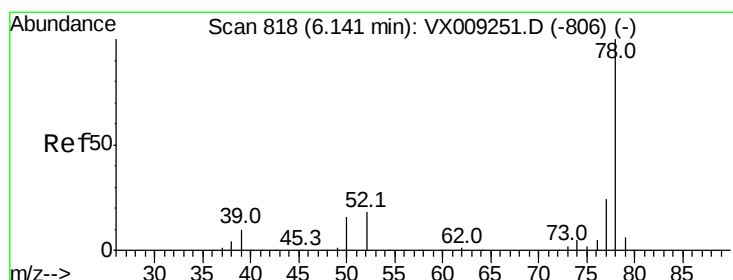
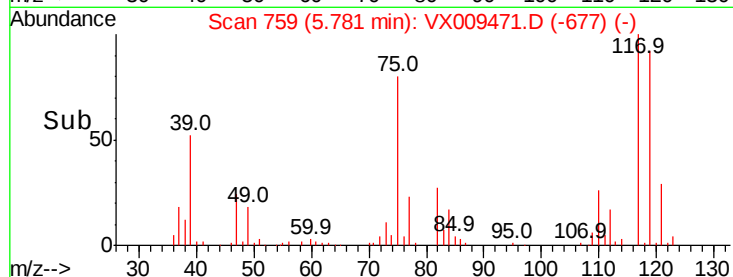
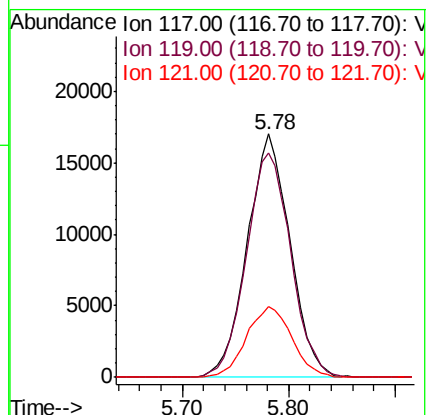
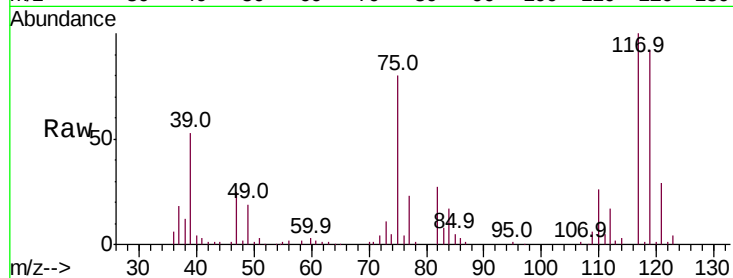
121 29.0 24.4 36.6

Manual Integrations

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#34

Benzene

Concen: 22.234 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

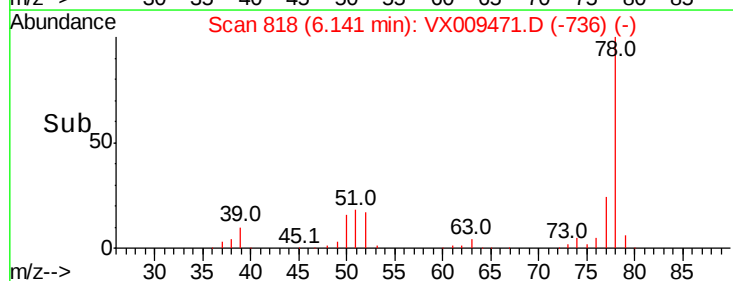
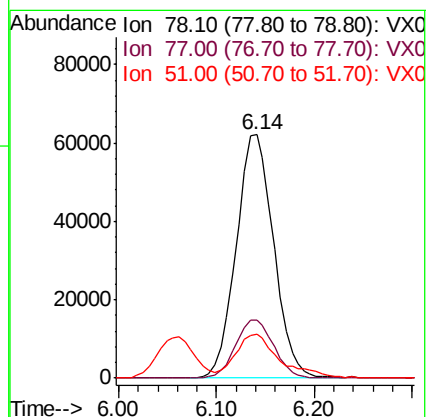
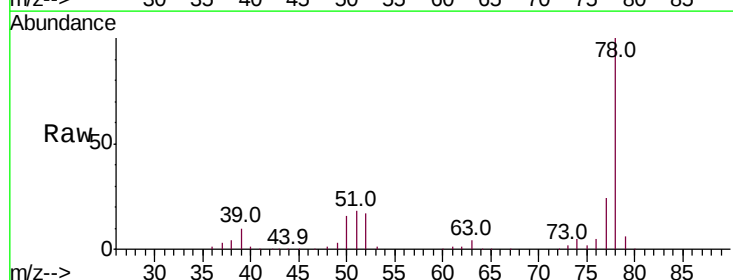
Tgt Ion: 78 Resp: 165356

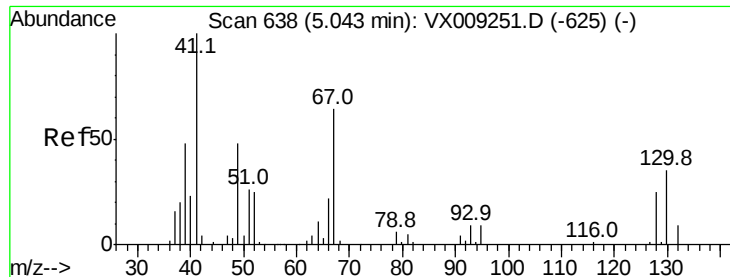
Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2

51 17.5 13.5 20.3





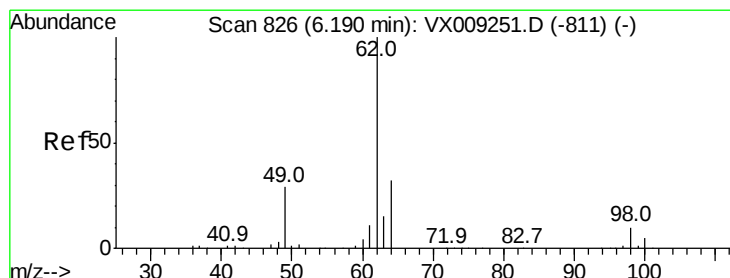
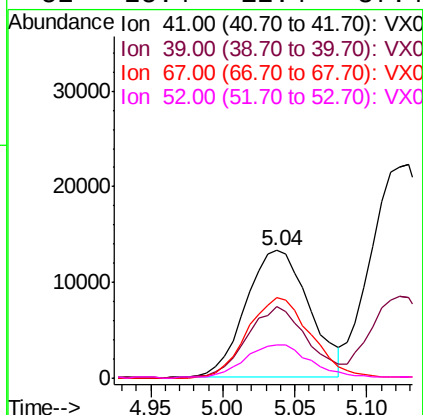
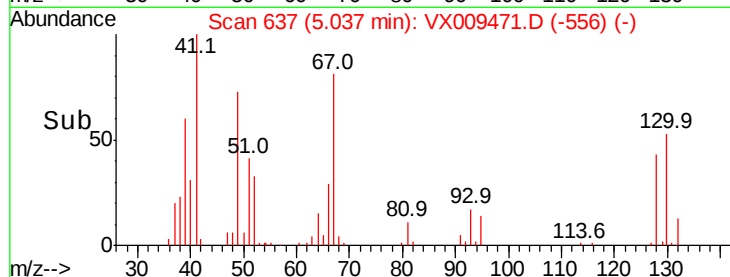
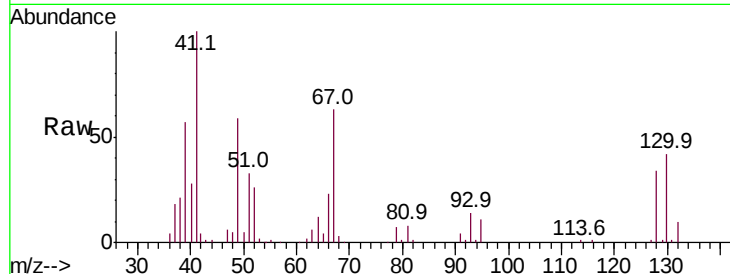
#35
Methacrylonitrile
Concen: 20.582 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	24.1	72.3	
67	63.4	32.2	96.6	
52	25.4	12.4	37.4	

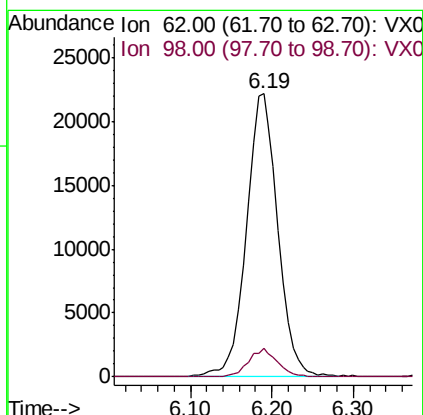
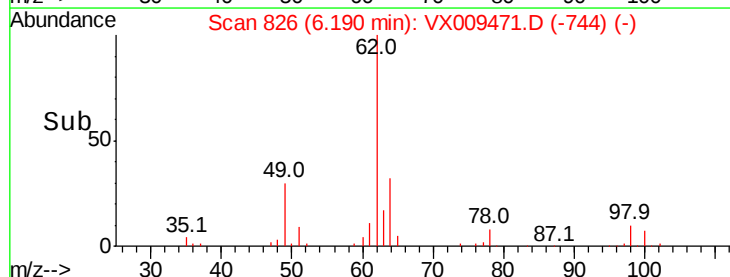
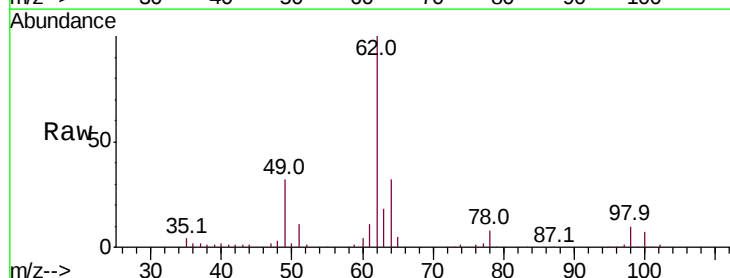
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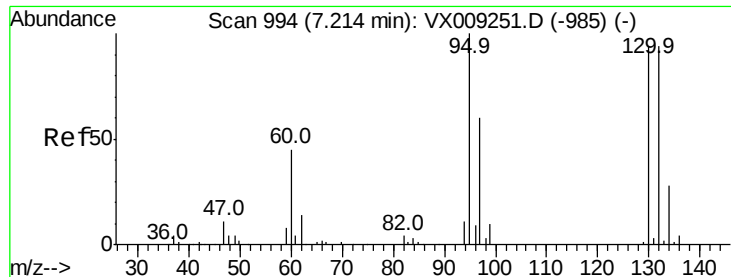
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#36
1,2-Dichloroethane
Concen: 22.007 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	7.4	11.2	





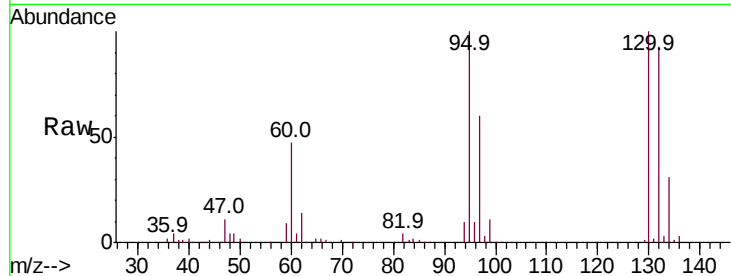
#37
 Trichloroethene
 Concen: 22.608 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

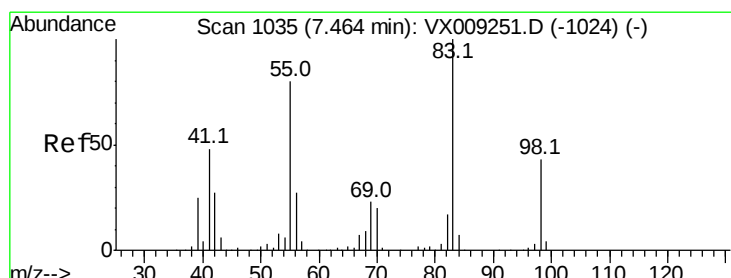
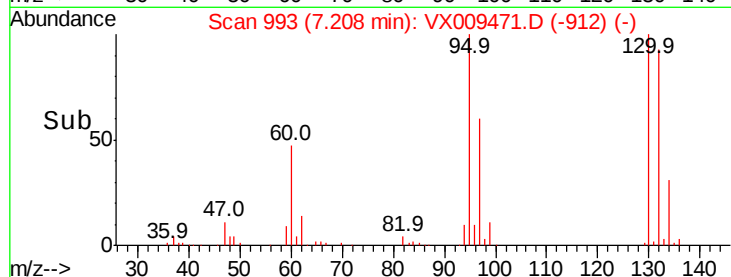
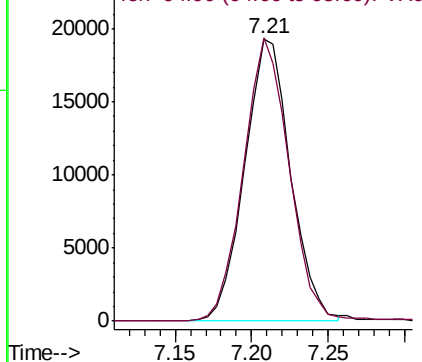
Tot Ion:130 Resp: 40475
 Ion Ratio Lower Upper
 130 100
 95 99.9 85.0 127.4

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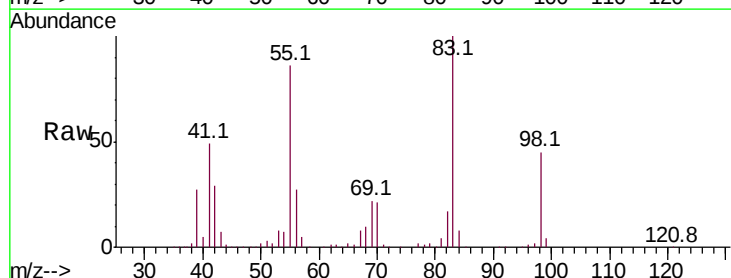


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

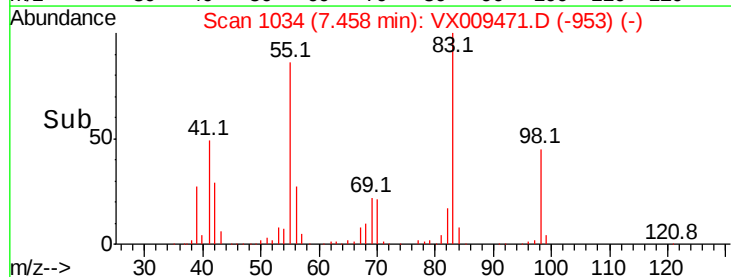
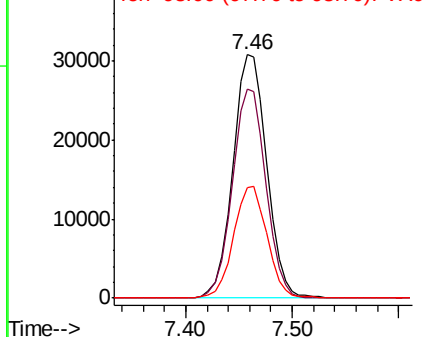


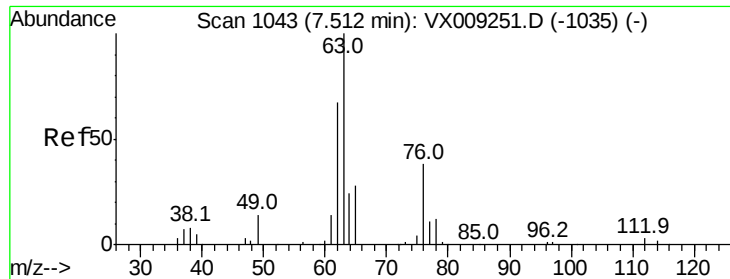
#38
 Methylcyclohexane
 Concen: 23.062 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion: 83 Resp: 68732
 Ion Ratio Lower Upper
 83 100
 55 85.1 43.0 129.2
 98 45.4 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





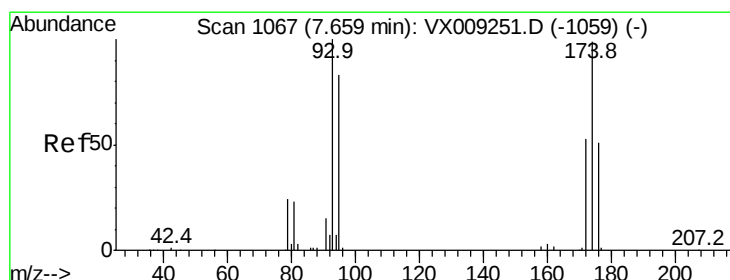
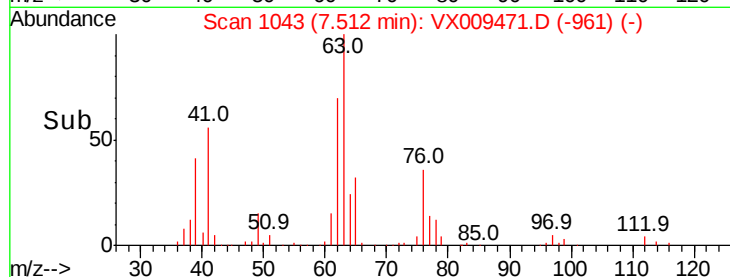
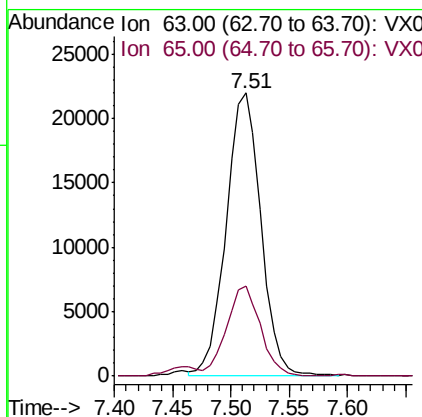
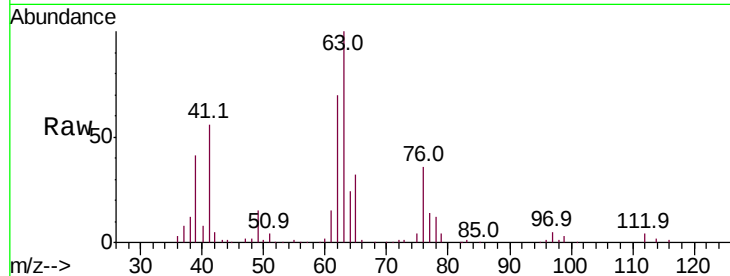
#39
 1,2-Dichloropropane
 Concen: 21.558 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.0	36.0

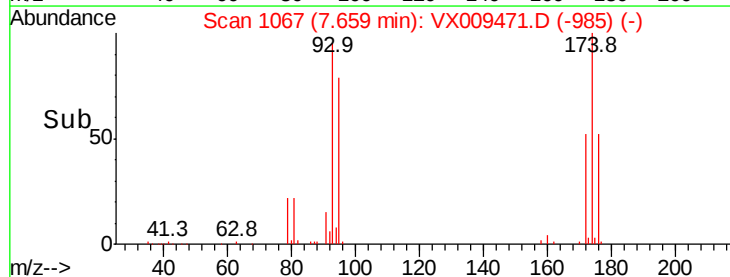
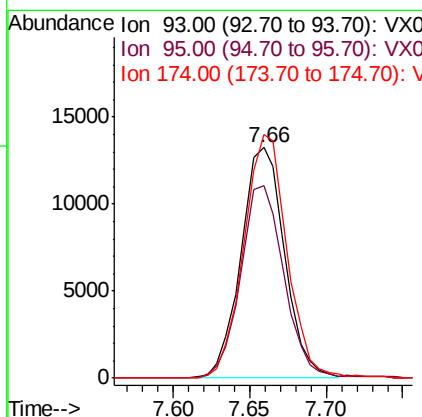
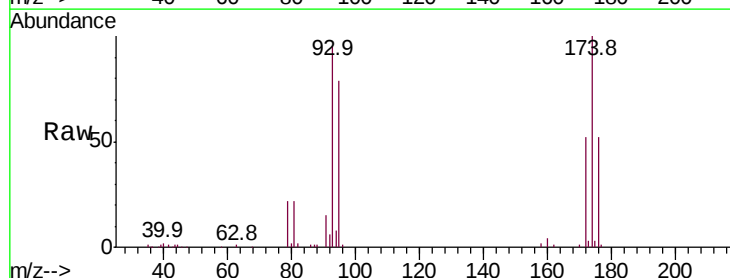
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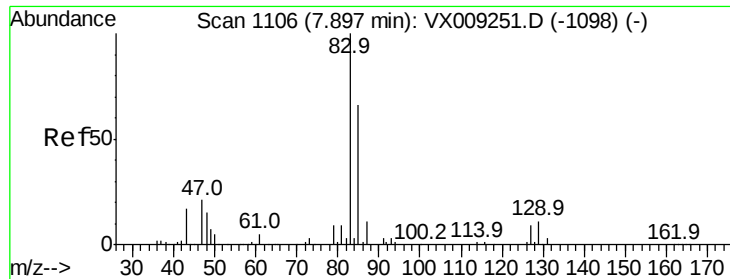
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 5/11/2019 11:51:51 AM



#40
 Dibromomethane
 Concen: 21.920 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	0.0	167.2
174	104.3	0.0	203.4





#41

Bromodichloromethane

Concen: 21.492 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

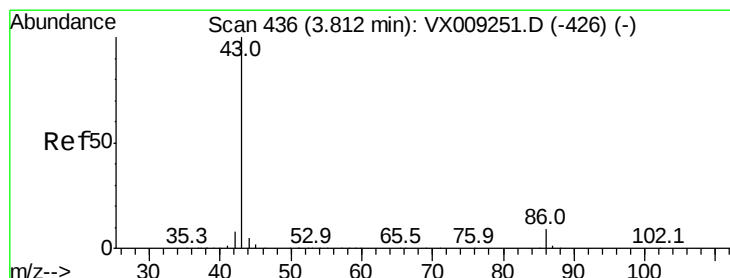
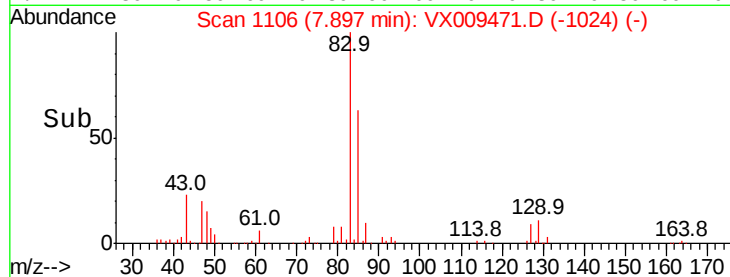
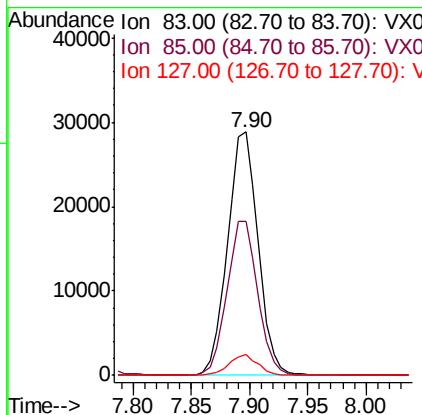
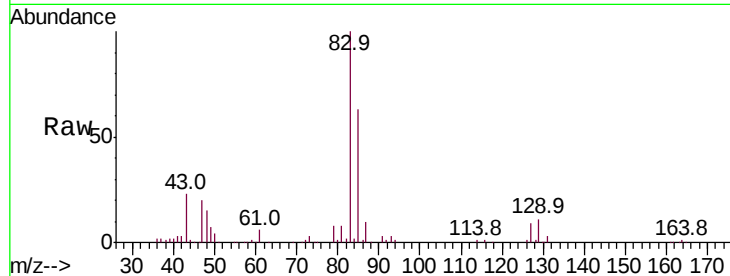
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	52770
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	79.0
127	8.7	6.9	10.3

Manual Integrations
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5/11/2019 11:51:51 AM



#42

Vinyl Acetate

Concen: 109.904 ug/l

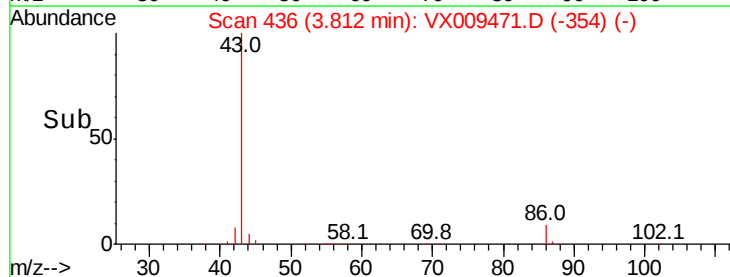
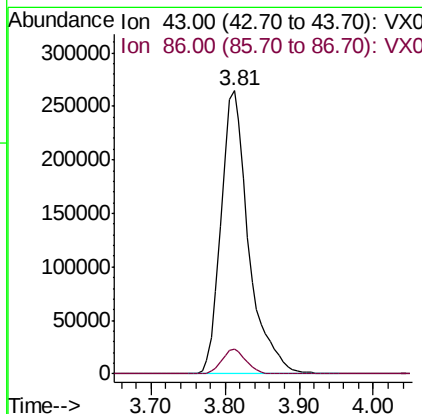
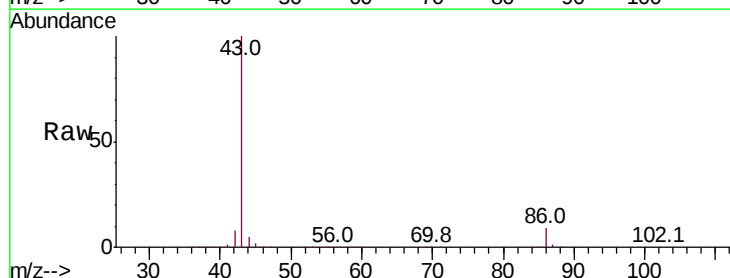
RT: 3.81 min Scan# 436

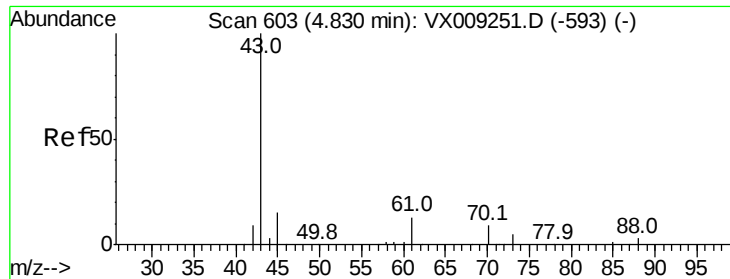
Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion:	43	Resp:	685275
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.0	9.0





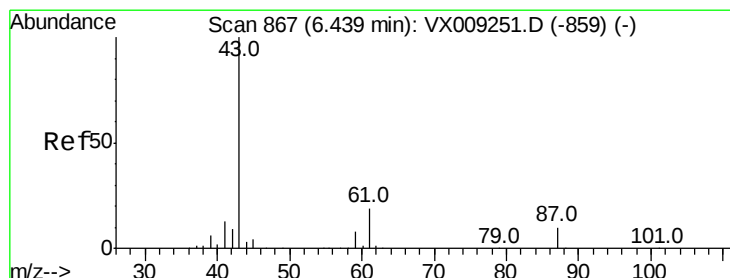
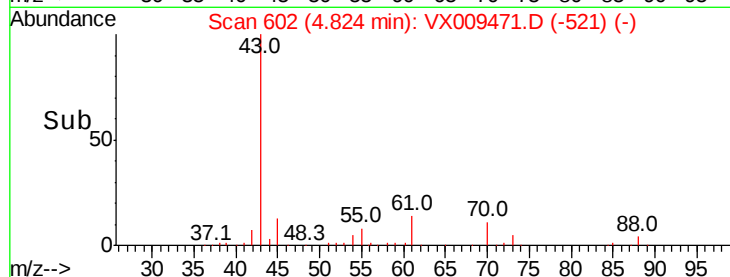
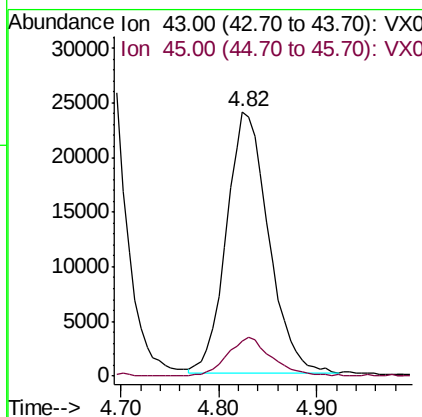
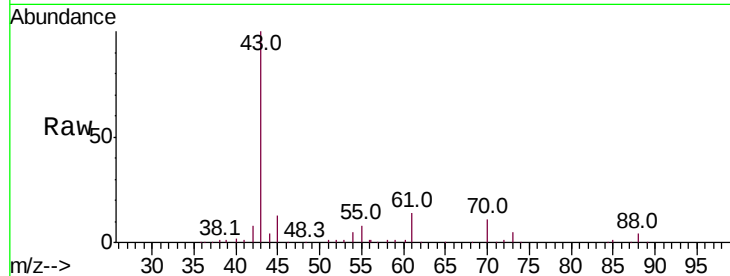
#43
Ethyl Acetate
Concen: 20.945 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 71501
Ion Ratio Lower Upper
43 100
45 15.5 11.8 17.8

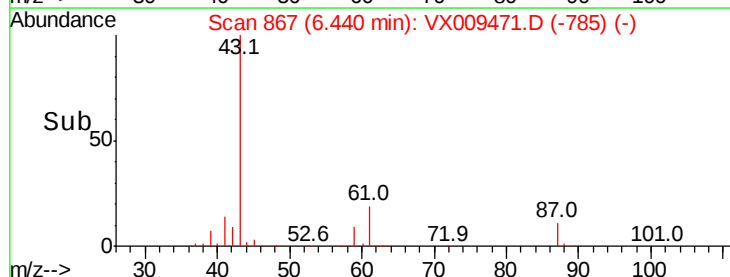
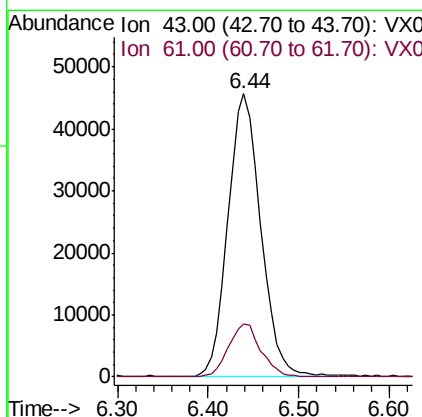
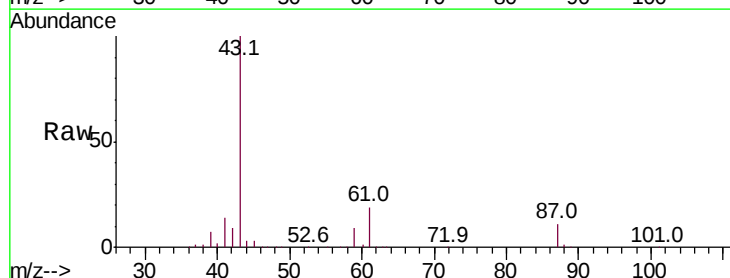
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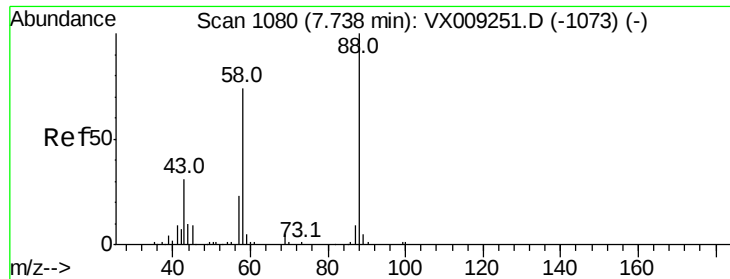
MMDadoda
5/11/2019 11:51:51 AM



#44
Isopropyl Acetate
Concen: 20.672 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion: 43 Resp: 114322
Ion Ratio Lower Upper
43 100
61 18.5 15.4 23.2





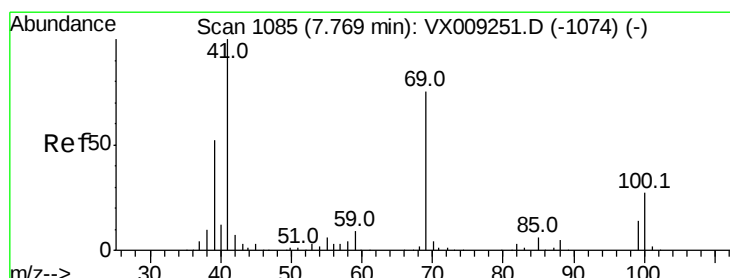
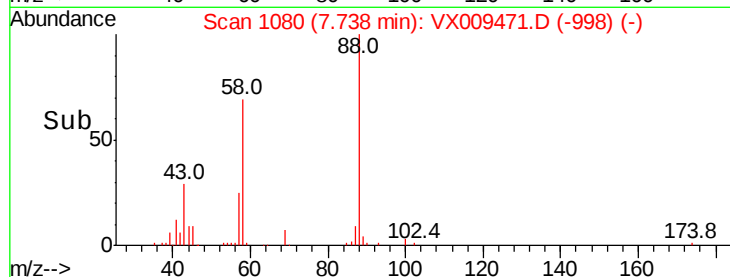
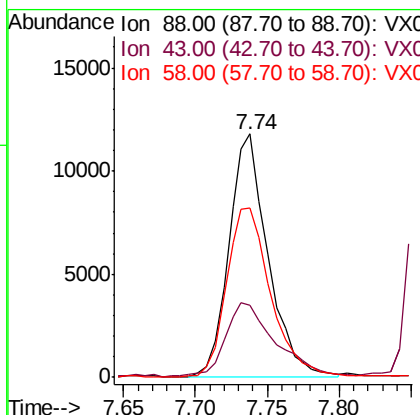
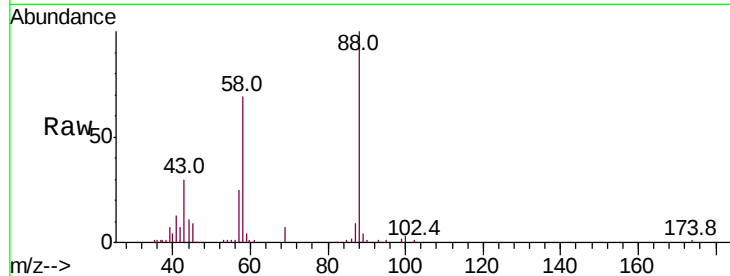
#45
 1,4-Dioxane
 Concen: 410.238 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.4	28.5	42.7
58	79.1	62.5	93.7

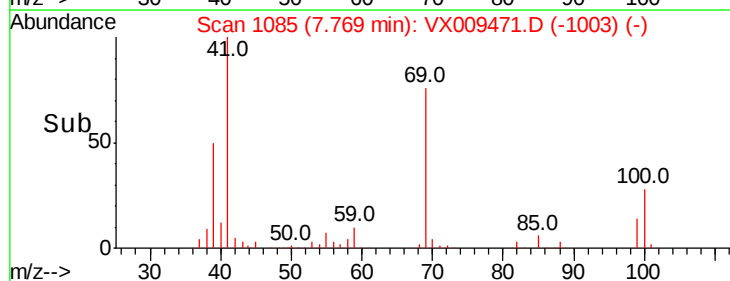
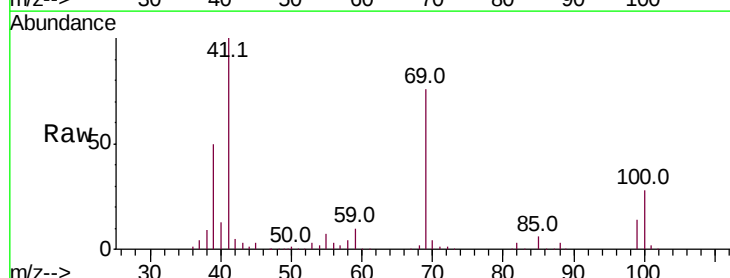
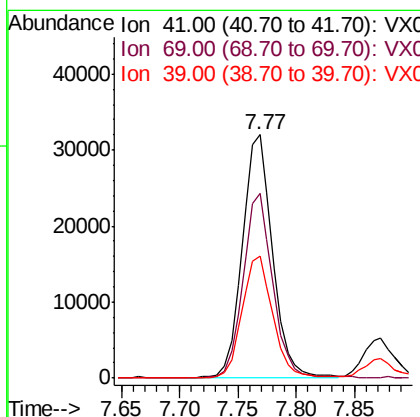
Manual Integrations
 APPROVED

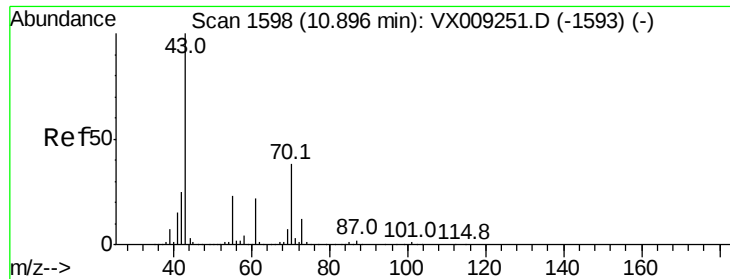
MMDadoda
 5/11/2019 11:51:51 AM



#46
 Methyl methacrylate
 Concen: 20.876 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.2	37.6	112.8
39	49.8	25.8	77.3





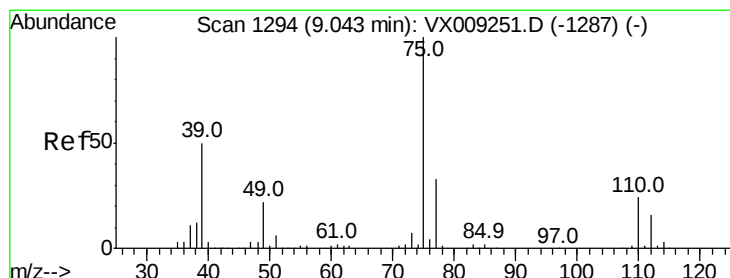
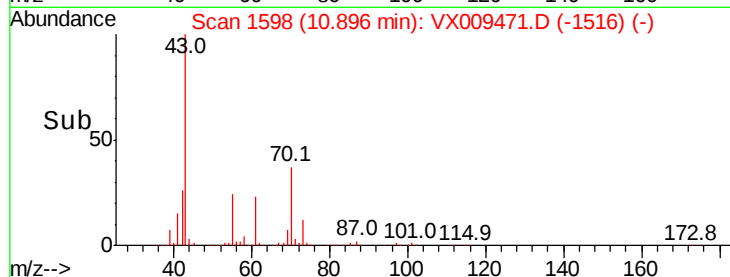
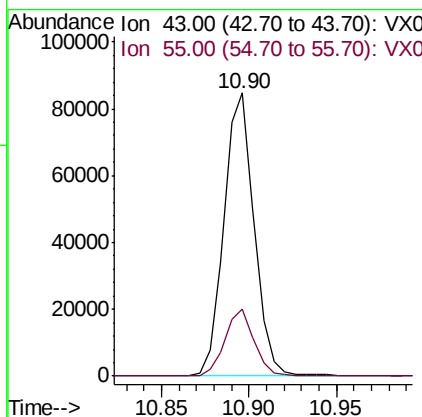
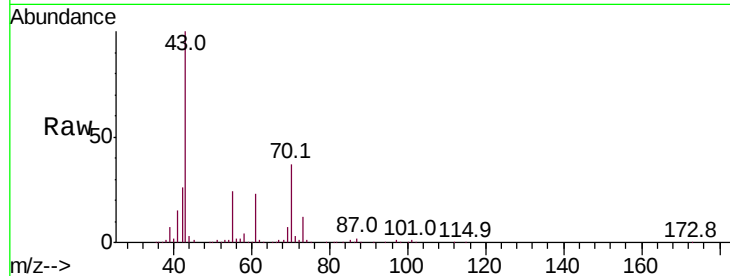
#47
n-amvl Acetate
Concen: 20.335 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	43	55	Ratio	100	23.2	Resp	101304	Lower	18.2	Upper	27.4
Ion	43	55	Ratio	100	23.2	Resp	101304	Lower	18.2	Upper	27.4

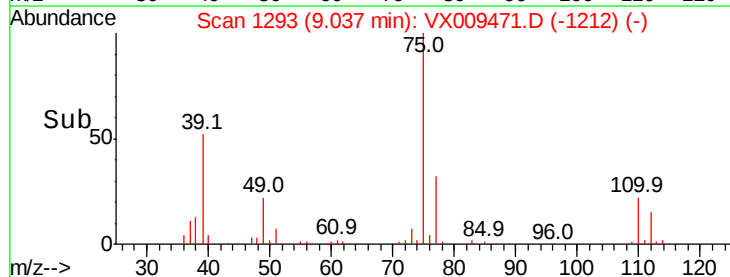
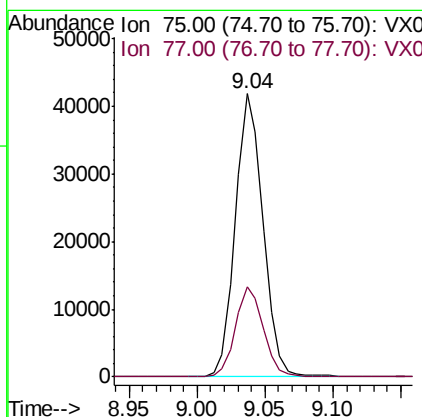
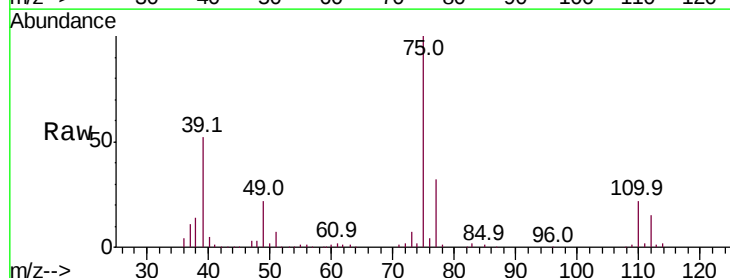
Manual Integrations
APPROVED

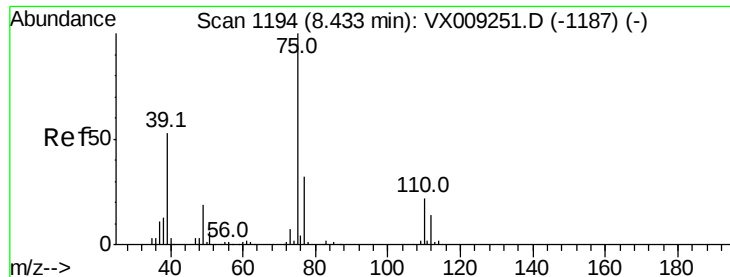
MMDadoda
5/11/2019 11:51:51 AM



#48
t-1,3-Dichloropropene
Concen: 20.700 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion	75	77	Ratio	100	32.0	Resp	59303	Lower	26.5	Upper	39.7
Ion	75	77	Ratio	100	32.0	Resp	59303	Lower	26.5	Upper	39.7





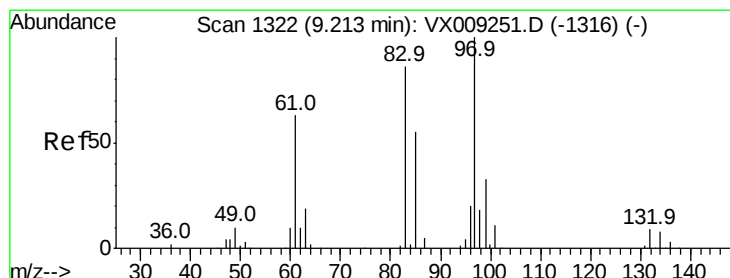
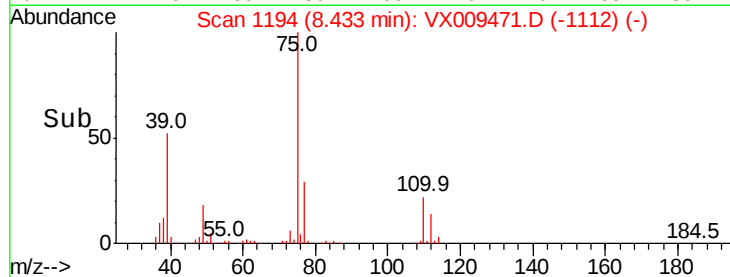
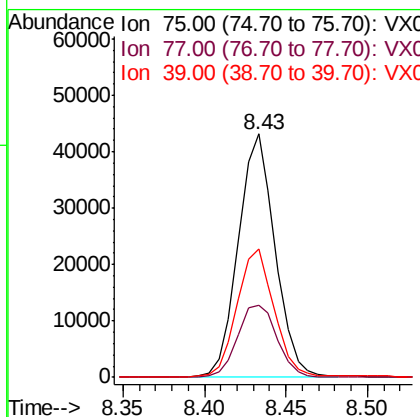
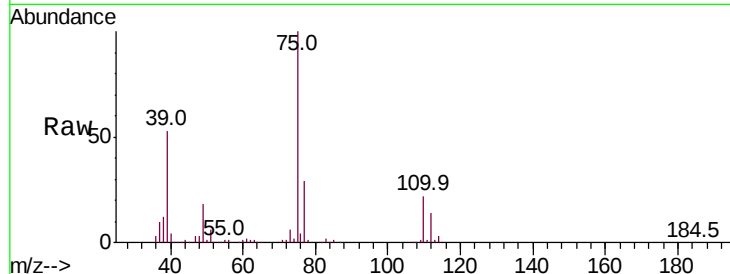
#49
 cis-1,3-Dichloropropene
 Concen: 21.556 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:	75	Resp:	67794
Ion	Ratio	Lower	Upper
75	100		
77	29.5	26.0	39.0
39	52.6	42.6	63.8

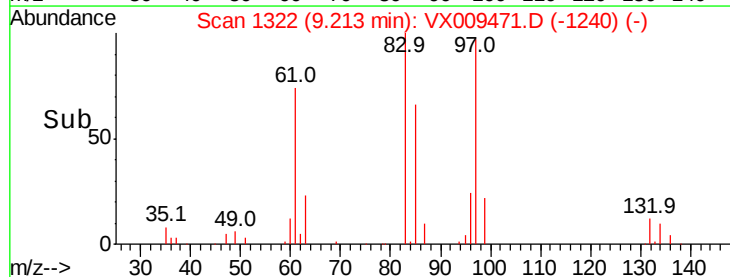
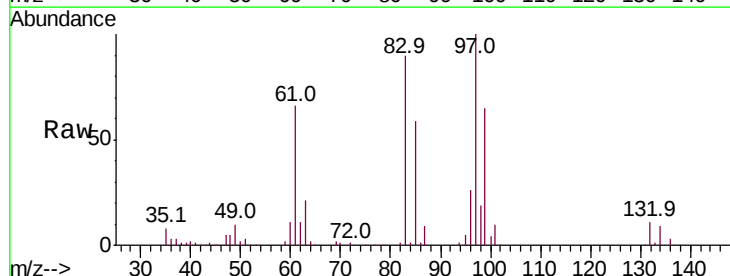
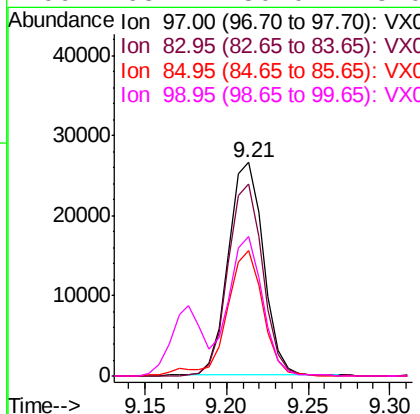
Manual Integrations
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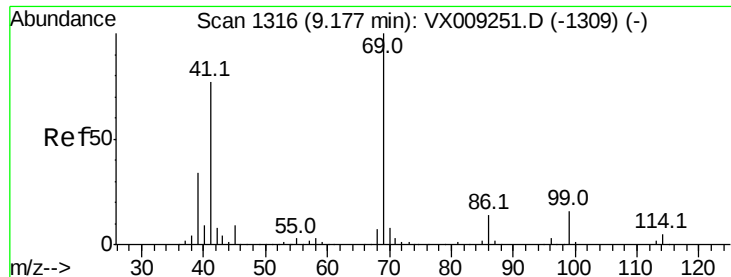
MMDadoda
 5/11/2019 11:51:51 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.530 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion:	97	Resp:	39650
Ion	Ratio	Lower	Upper
97	100		
83	90.2	68.8	103.2
85	59.1	45.8	68.6
99	65.4	50.0	75.0





#51

Ethyl methacrylate

Concen: 20.957 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

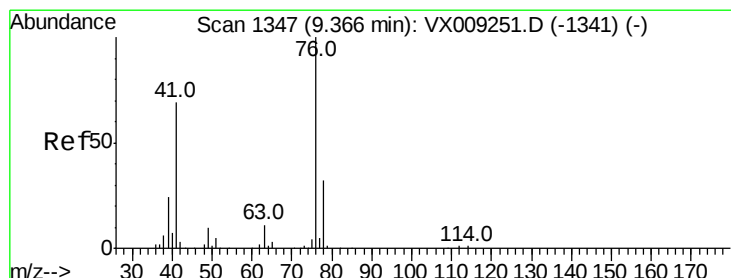
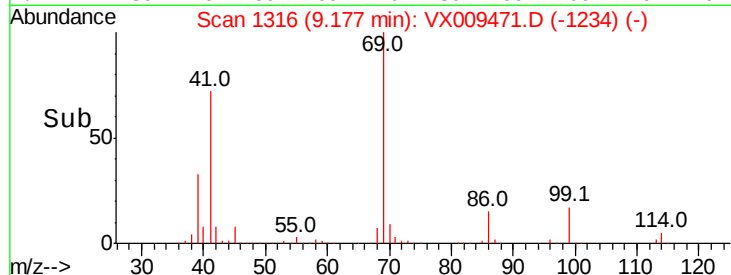
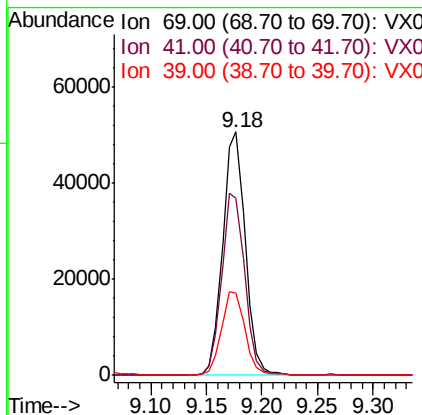
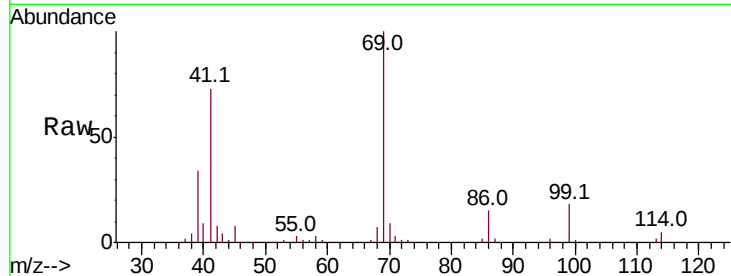
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	71321
Ion Ratio	Lower	Upper	
69	100		
41	72.5	38.4	115.2
39	33.5	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.879 ug/l

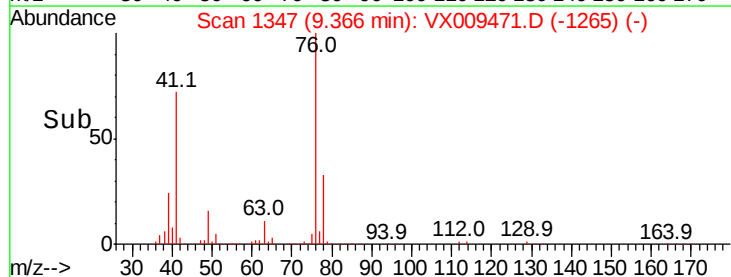
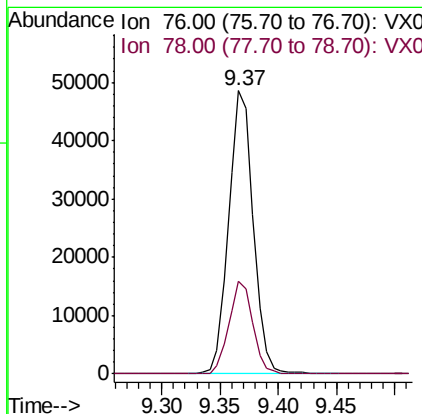
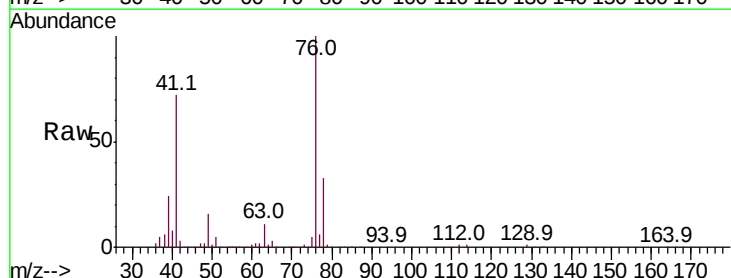
RT: 9.37 min Scan# 1347

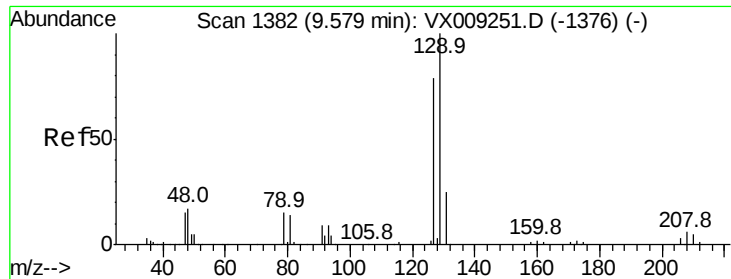
Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion:	76	Resp:	71510
Ion Ratio	Lower	Upper	
76	100		
78	31.6	0.0	64.2





#53

Dibromochloromethane

Concen: 21.207 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 38895

Ion Ratio Lower Upper

129 100

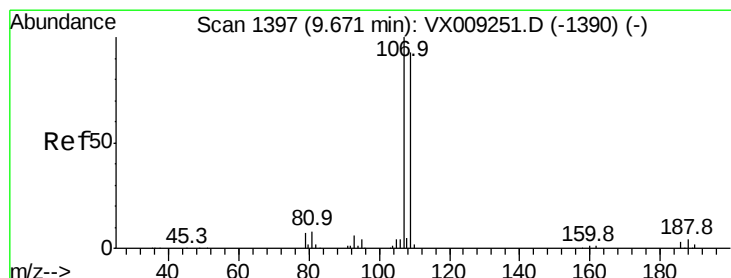
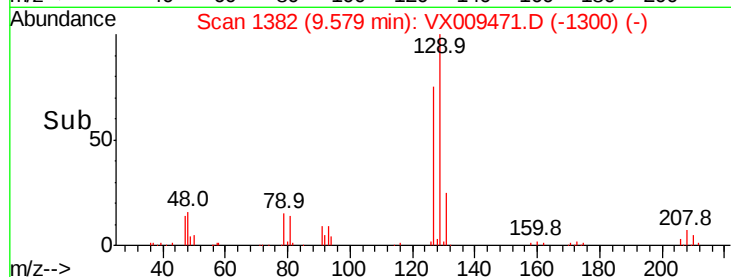
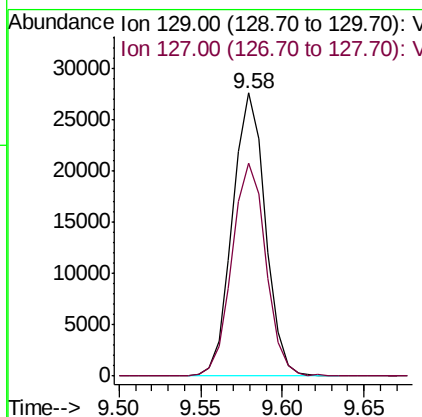
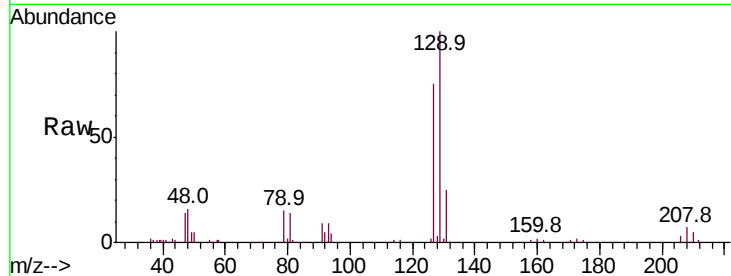
127 77.1 39.1 117.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 21.848 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009471.D

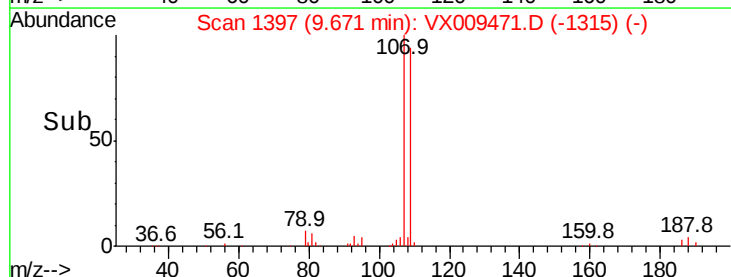
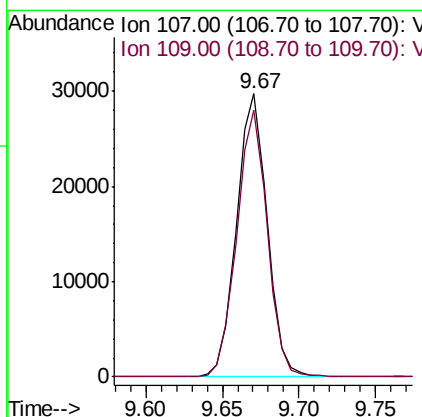
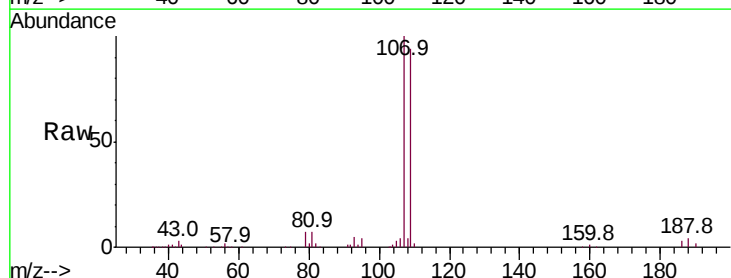
Acq: 10 May 2019 10:06

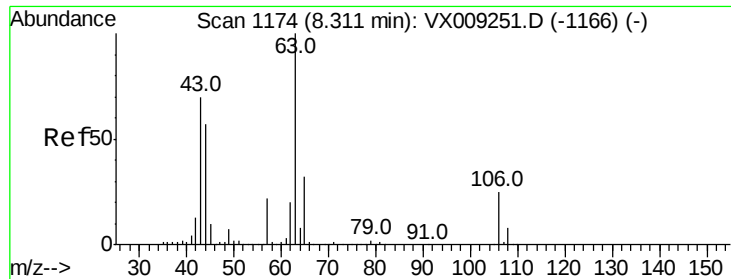
Tgt Ion:107 Resp: 41265

Ion Ratio Lower Upper

107 100

109 93.7 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 109.604 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 198763

Ion Ratio Lower Upper

63 100

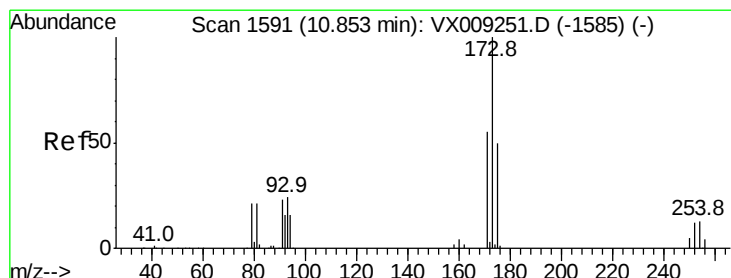
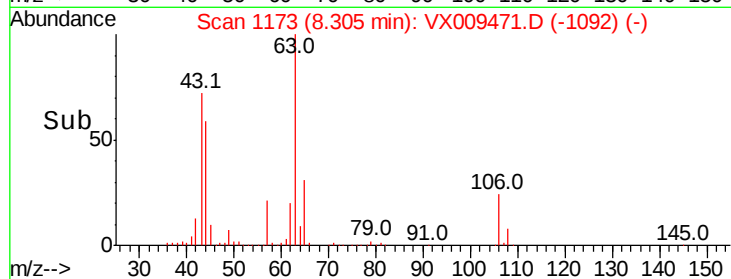
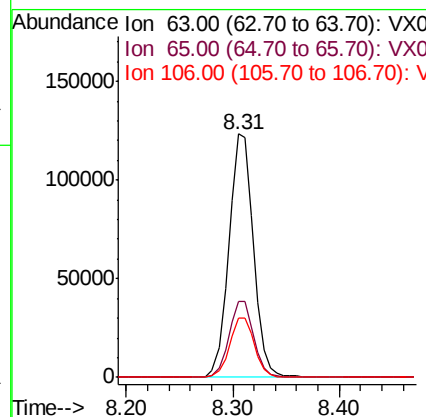
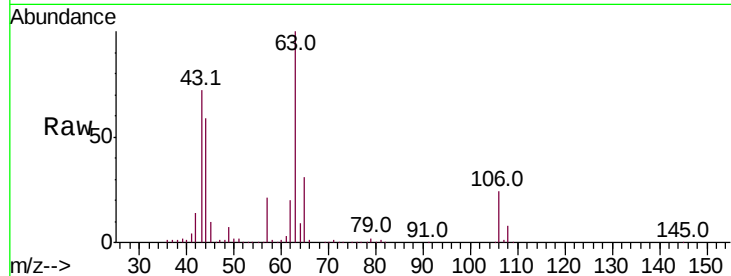
65 31.4 25.8 38.6

106 24.8 19.8 29.6

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#56

Bromoform

Concen: 20.497 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

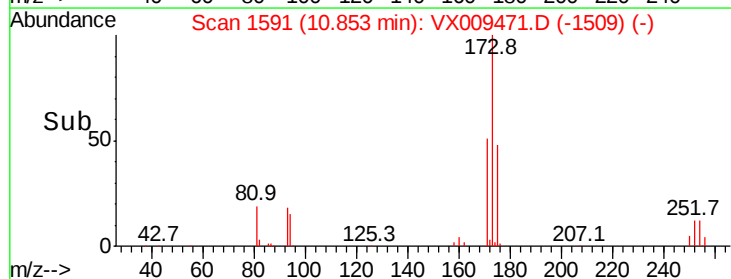
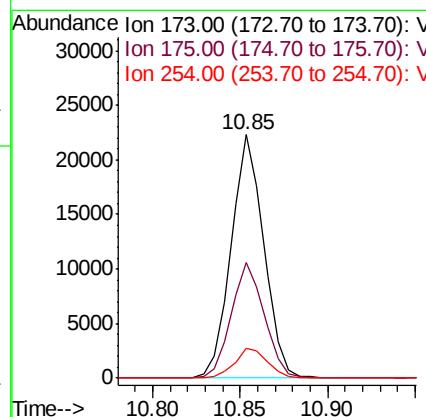
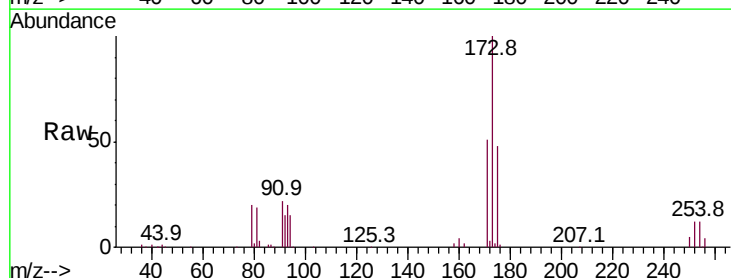
Tgt Ion: 173 Resp: 28858

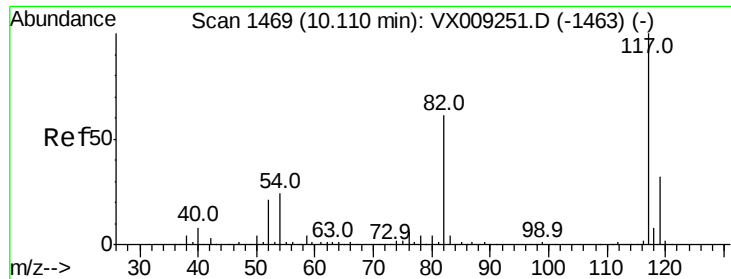
Ion Ratio Lower Upper

173 100

175 47.8 39.4 59.2

254 12.3 9.9 14.9





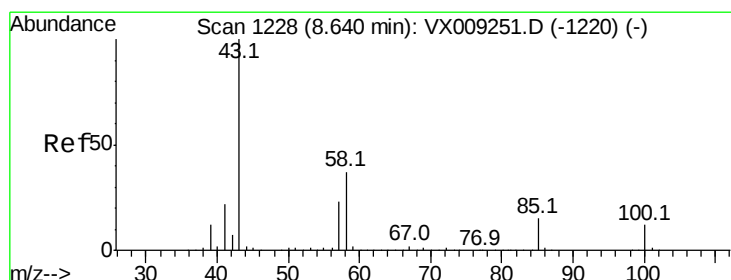
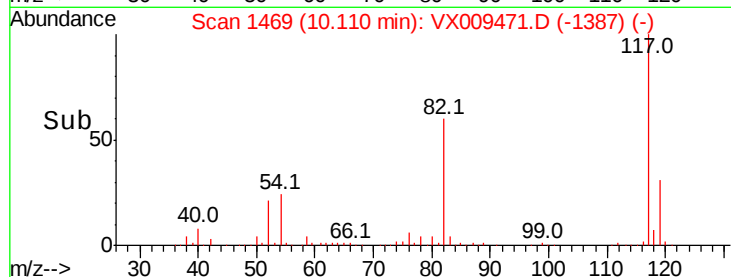
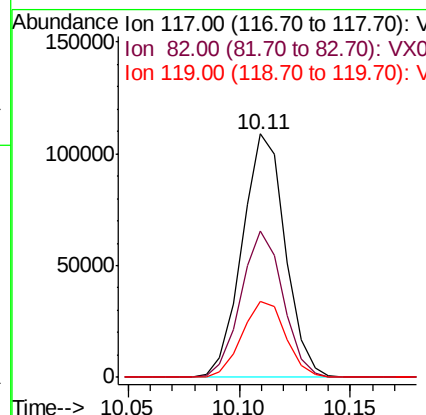
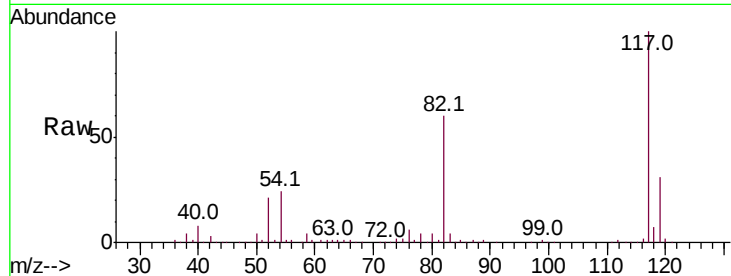
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.8
119	32.2	25.6	38.4

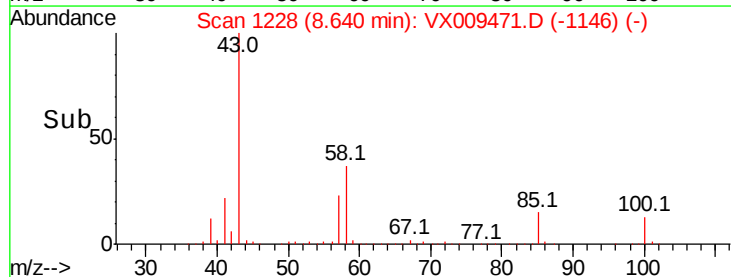
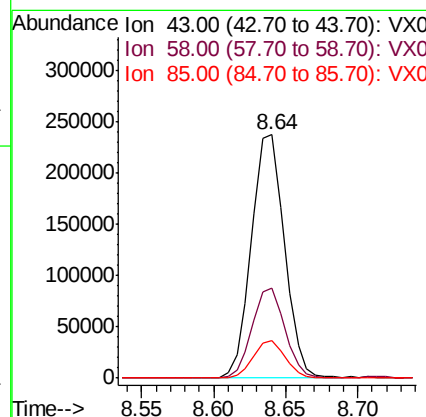
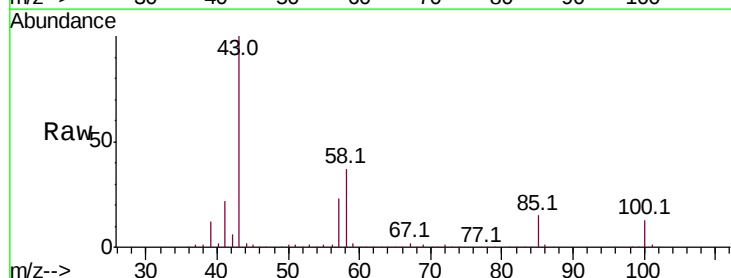
Manual Integrations
APPROVED

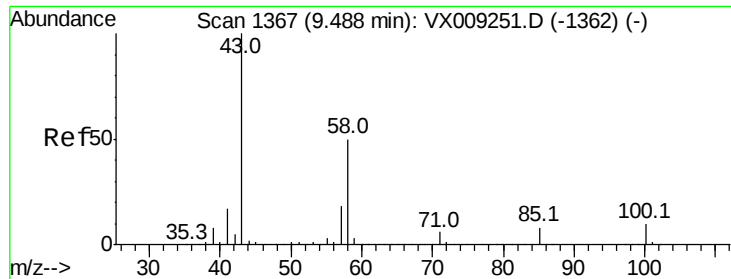
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 104.180 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.4	44.0
85	15.1	11.8	17.8





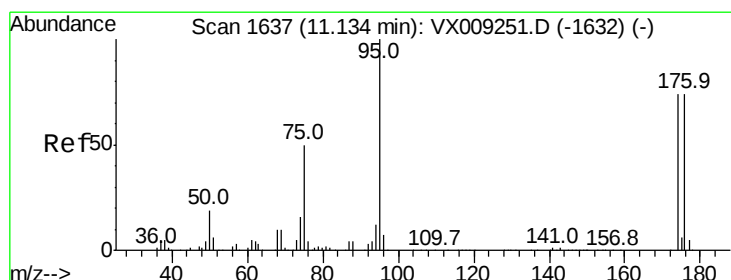
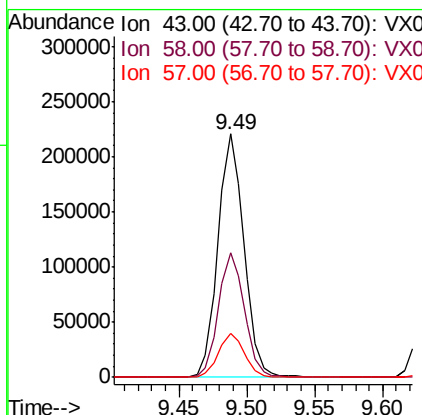
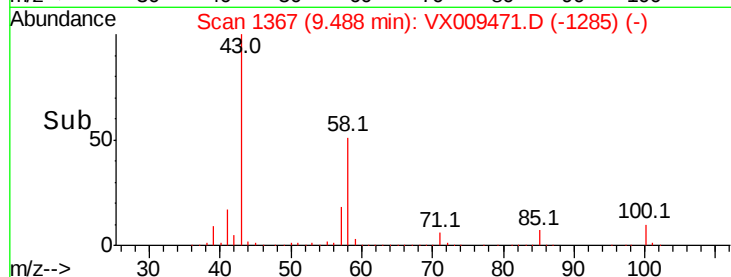
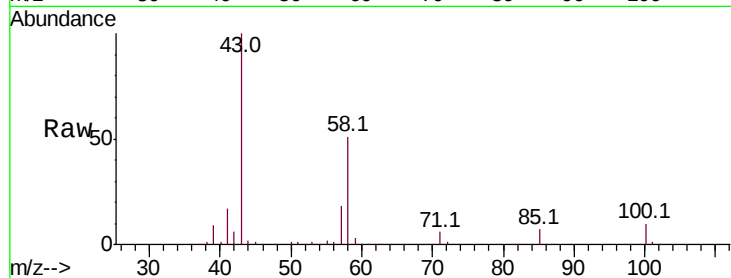
#59
2-Hexanone
Concen: 103.395 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	40.8	61.2
57	17.9	14.1	21.1

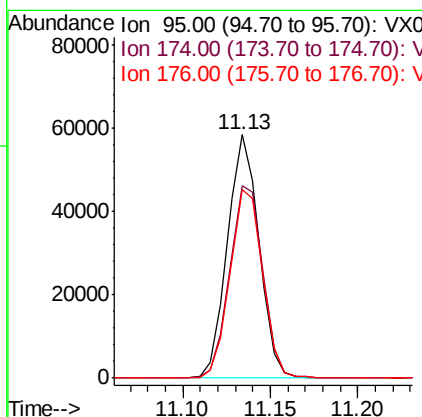
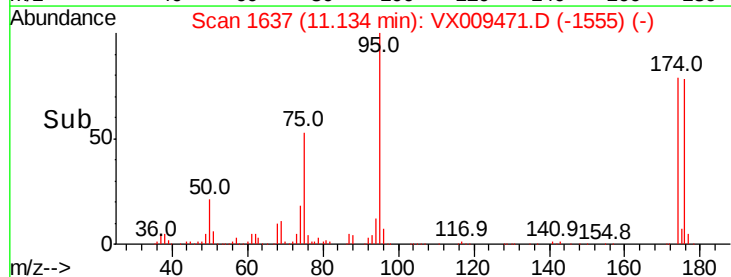
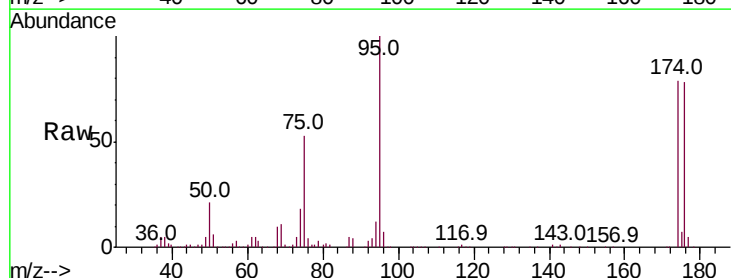
Manual Integrations
APPROVED

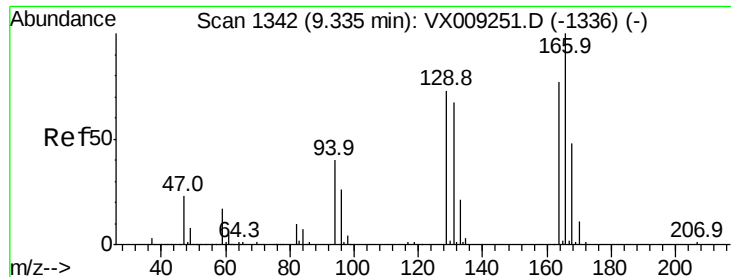
MMDadoda
5/11/2019 11:51:51 AM



#60
4-Bromofluorobenzene
Concen: 29.482 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.1	63.6	95.4
176	80.3	62.4	93.6





#61

Tetrachloroethene

Concen: 23.181 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 37469

Ion Ratio Lower Upper

164 100

166 127.2 104.1 156.1

129 89.7 76.0 114.0

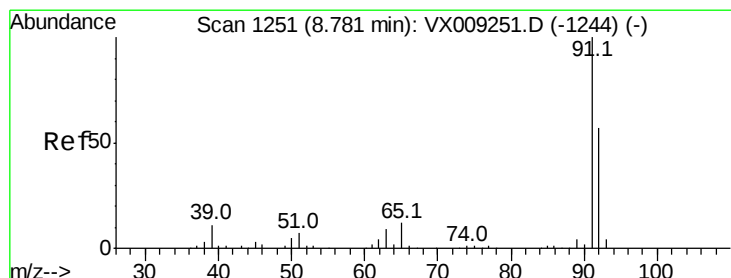
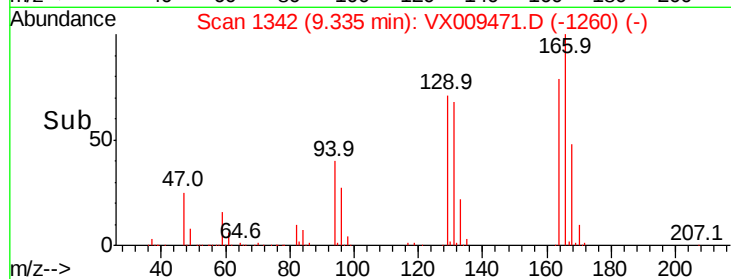
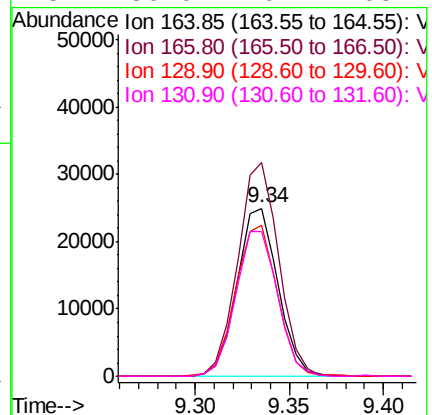
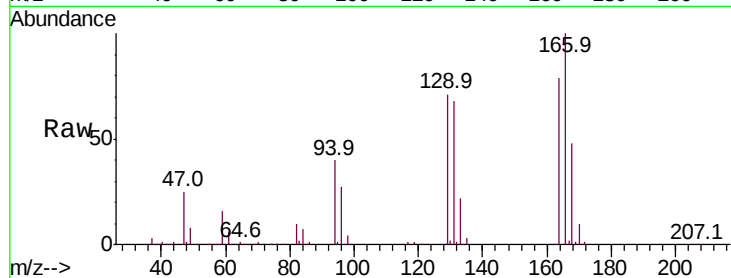
131 86.0 70.1 105.1

Manual Integrations

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5/11/2019 11:51:51 AM



#62

Toluene

Concen: 22.329 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX009471.D

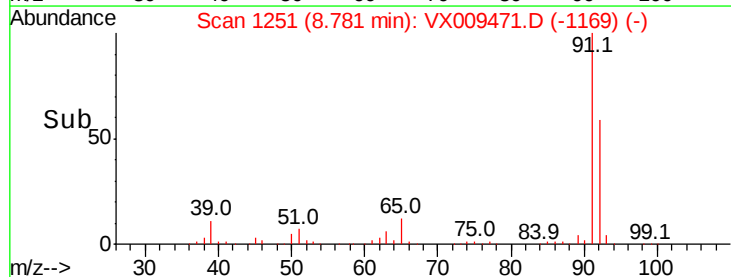
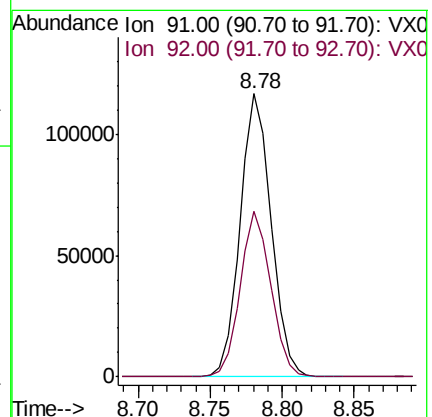
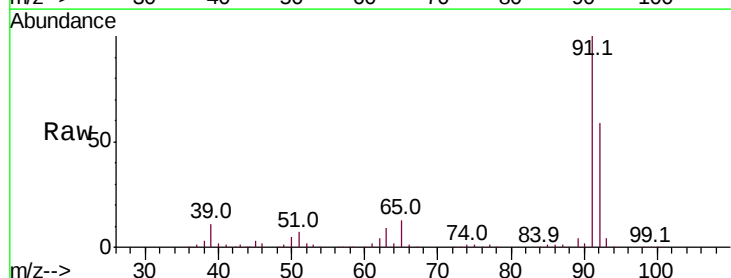
Acq: 10 May 2019 10:06

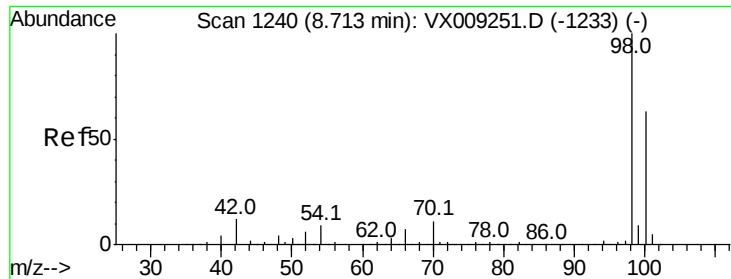
Tgt Ion: 91 Resp: 174946

Ion Ratio Lower Upper

91 100

92 57.5 46.1 69.1





#63

Toluene-d8

Concen: 29.706 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 98 Resp: 206503

Ion Ratio Lower Upper

98 100

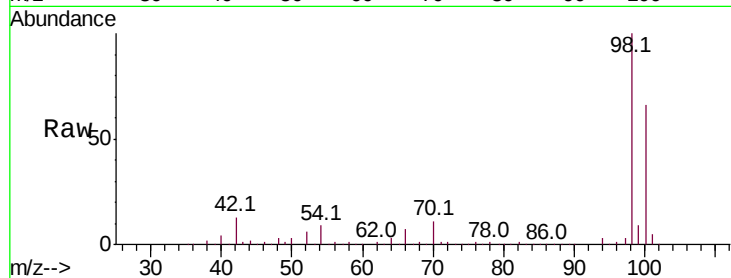
100 65.0 52.3 78.5

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VX009471.D (-1158) (-)

Ion 100.00 (99.70 to 100.70): VX009471.D (-1158) (-)

8.71

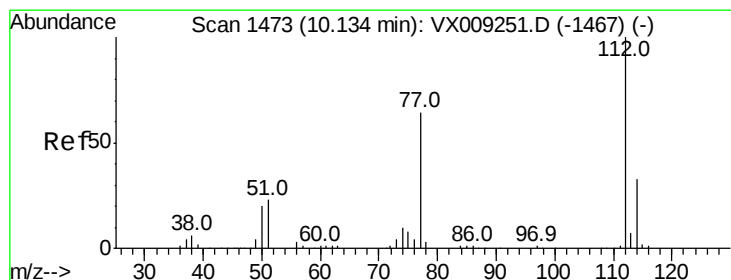
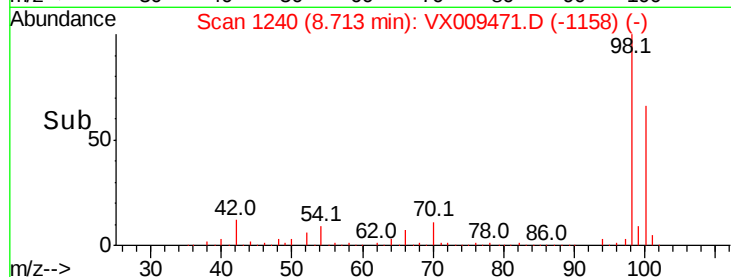
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 22.154 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009471.D

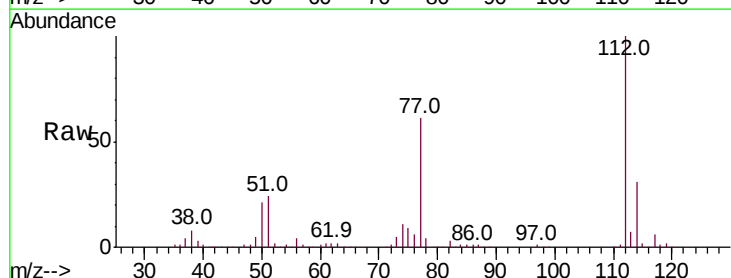
Acq: 10 May 2019 10:06

Tgt Ion: 112 Resp: 104464

Ion Ratio Lower Upper

112 100

114 31.3 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VX009471.D (-1391) (-)

Ion 114.00 (113.70 to 114.70): VX009471.D (-1391) (-)

10.13

80000

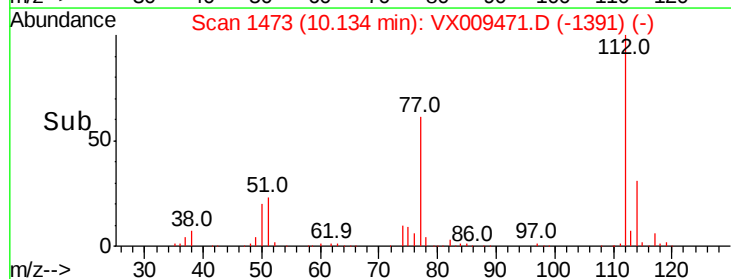
60000

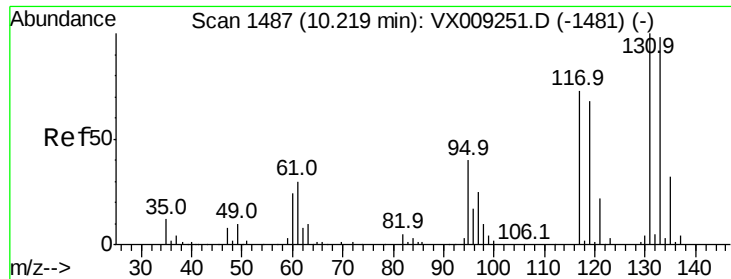
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.622 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

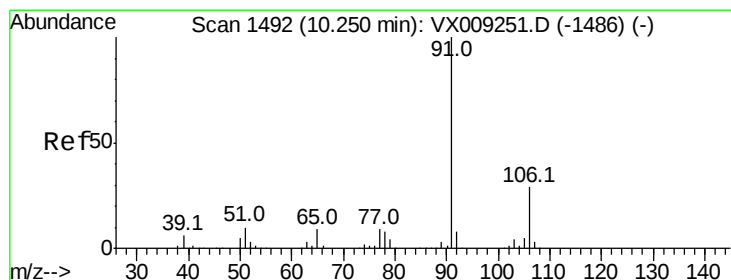
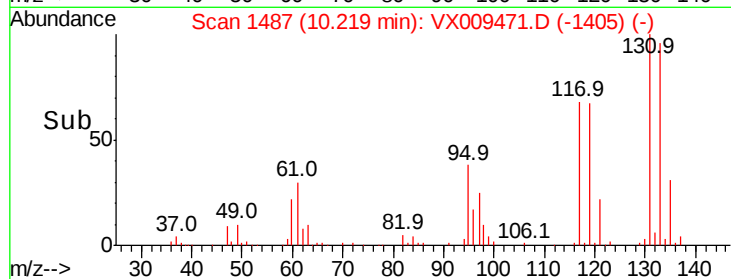
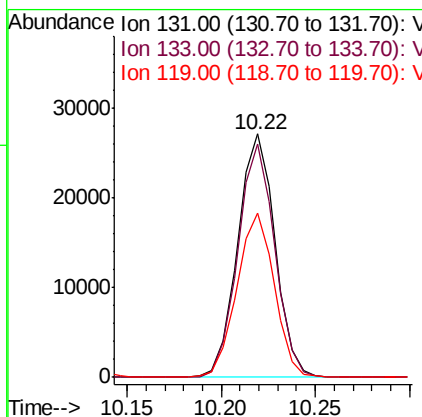
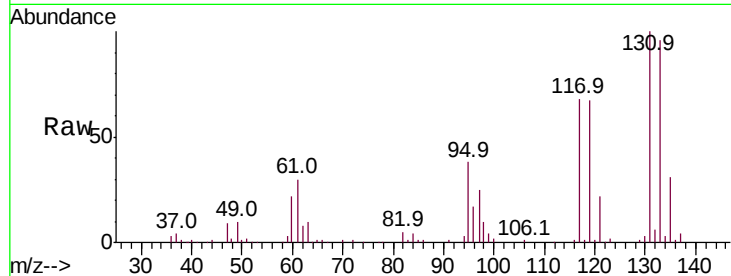
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	37331
Ion Ratio	Lower	Upper	
131	100		
133	94.5	0.0	191.2
119	67.7	0.0	135.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 22.140 ug/l

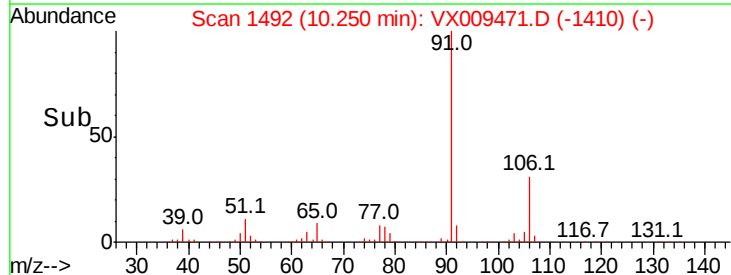
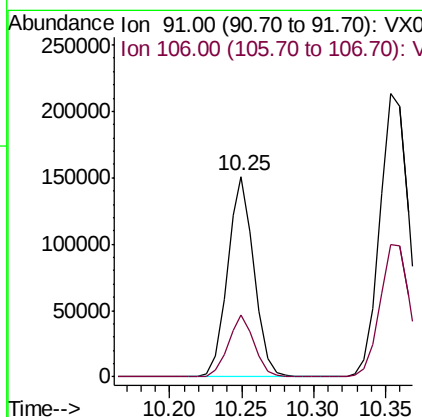
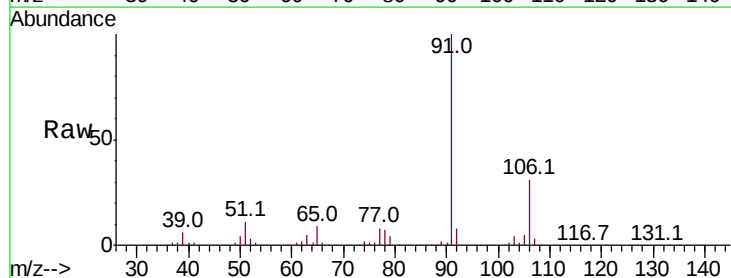
RT: 10.25 min Scan# 1492

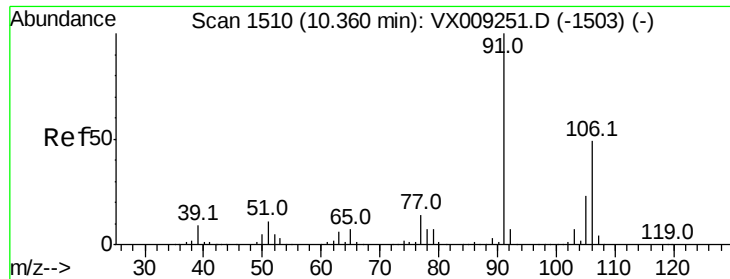
Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion:	91	Resp:	193243
Ion Ratio	Lower	Upper	
91	100		
106	30.9	23.5	35.3





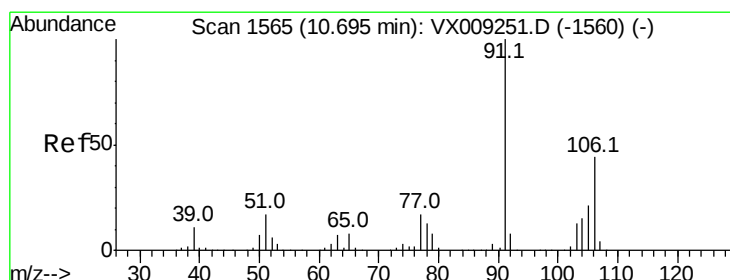
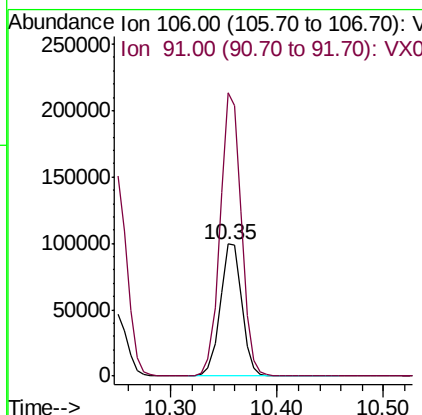
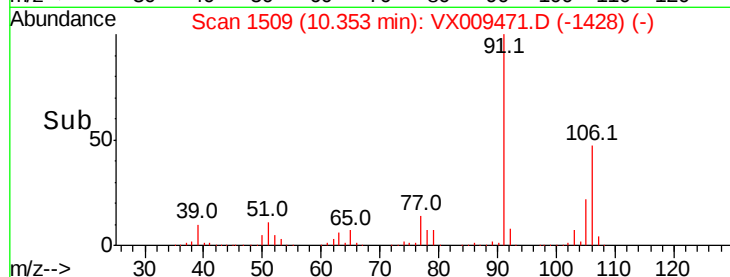
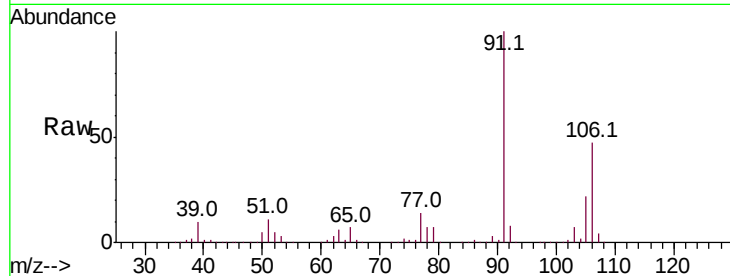
#67
m/p-Xylenes
Concen: 44.412 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 141529
Ion Ratio Lower Upper
106 100
91 209.2 166.8 250.2

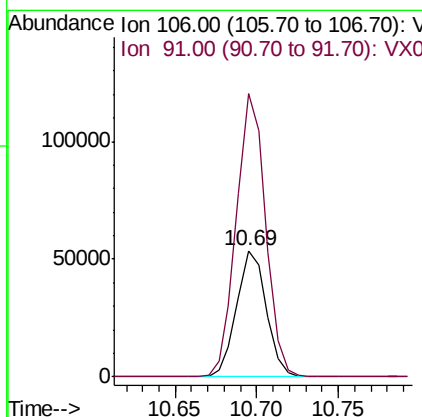
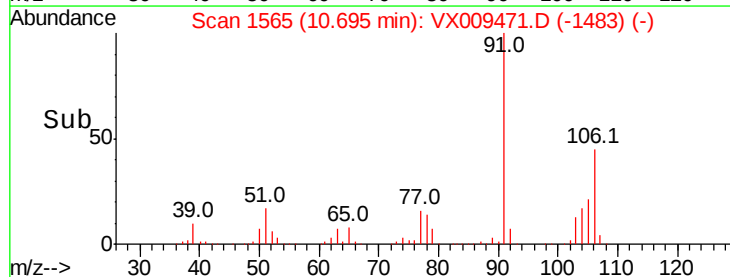
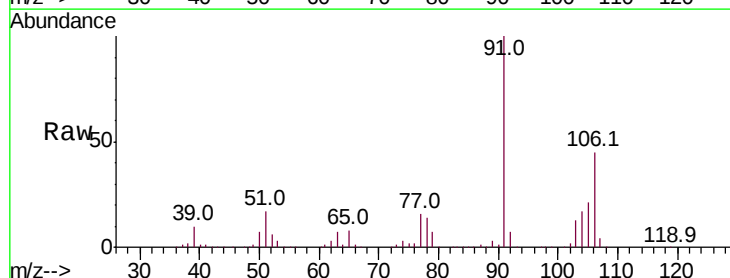
Manual Integrations
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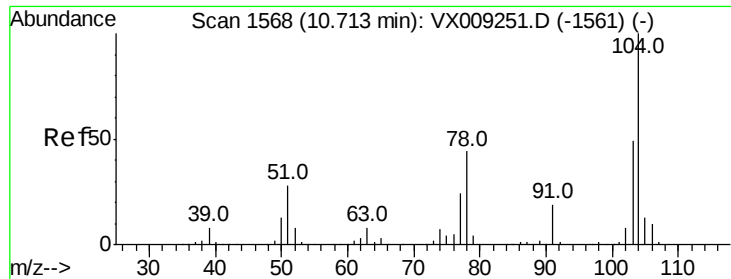
MMDadoda
5/11/2019 11:51:51 AM



#68
o-Xylene
Concen: 21.923 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion:106 Resp: 68695
Ion Ratio Lower Upper
106 100
91 219.7 110.8 332.3





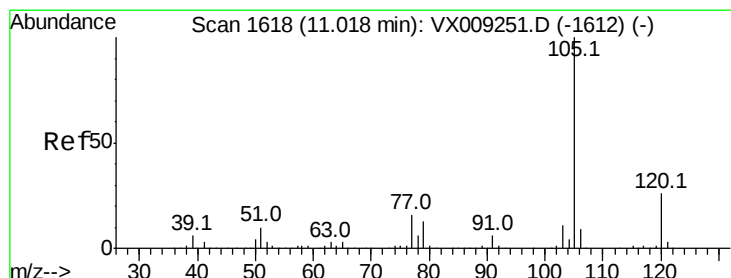
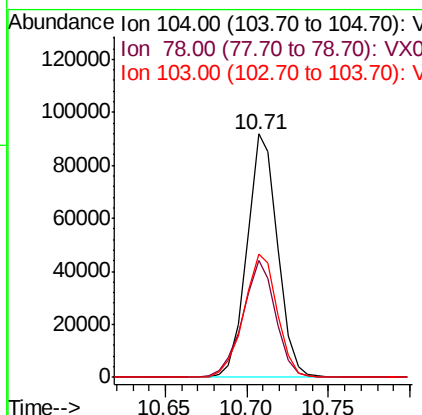
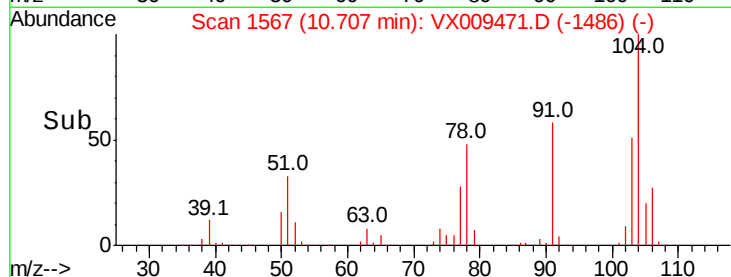
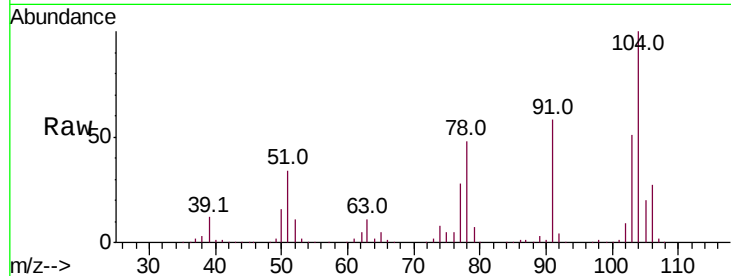
#69
Stvrene
Concen: 21.844 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	120157		
78	51.7	41.1	61.7	
103	55.6	43.8	65.8	

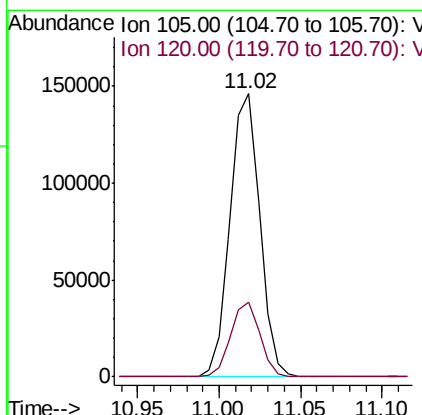
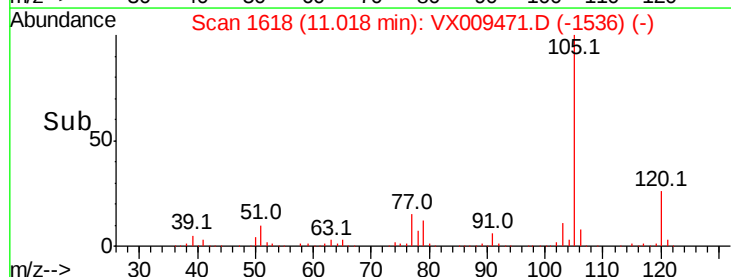
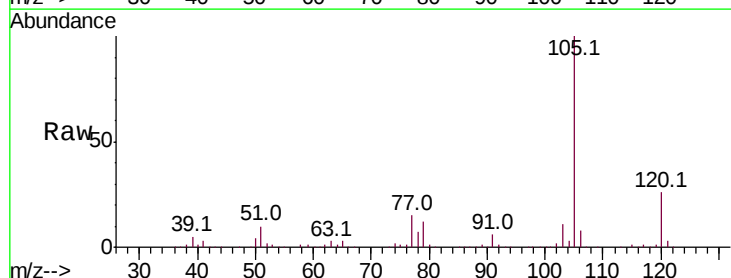
Manual Integrations
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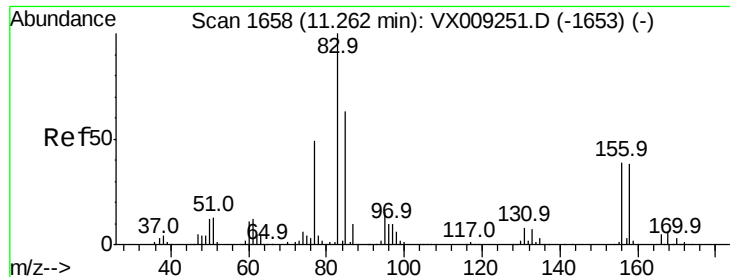
MMDadoda
5/11/2019 11:51:51 AM



#70
Isopropylbenzene
Concen: 22.110 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	186321		
120	26.1	18.1	33.7	





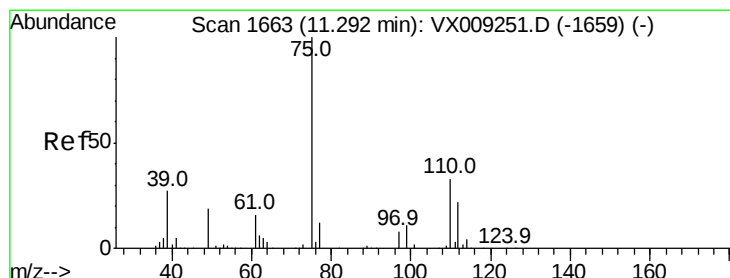
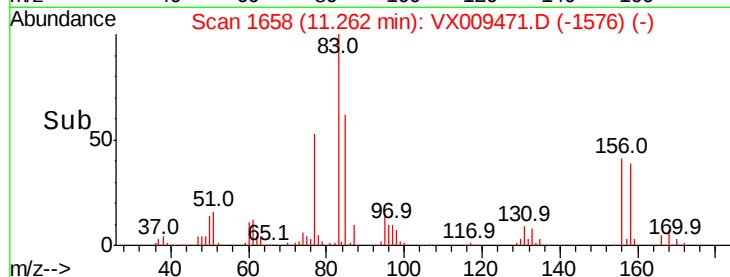
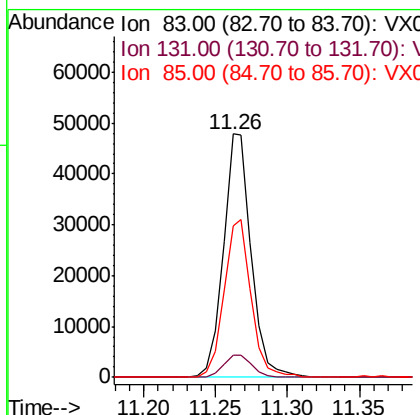
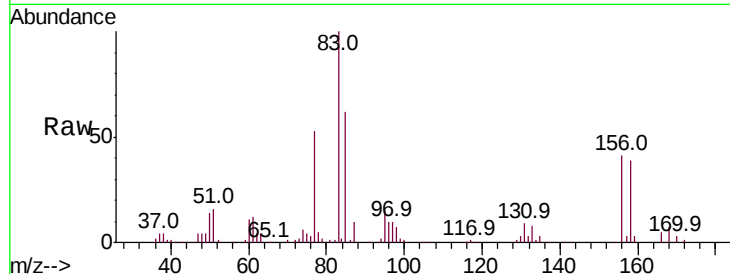
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.945 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	64640
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	4.7	14.0
85	63.6	32.4	97.2

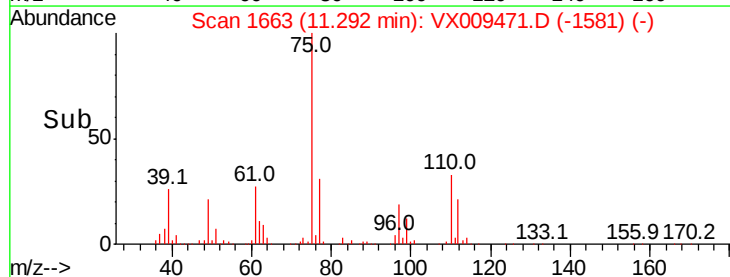
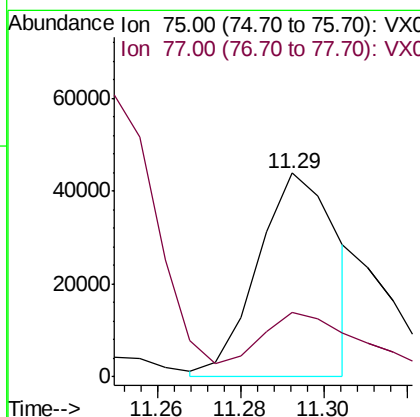
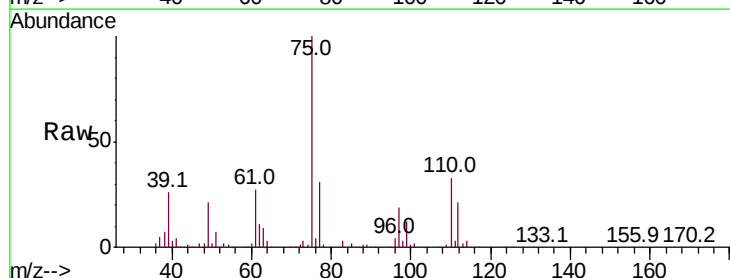
Manual Integrations
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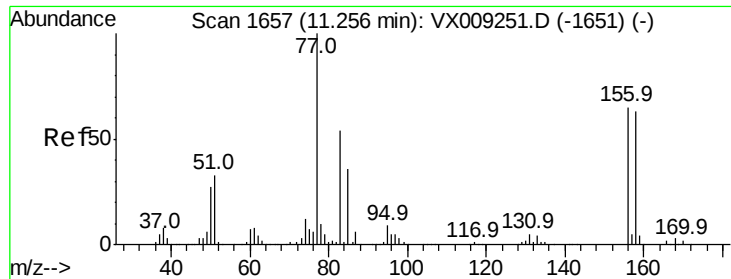
MMDadoda
 5/11/2019 11:51:51 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.797 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion	75	Resp	57970
Ion Ratio	100	Lower	Upper
75	100		
77	41.9	0.0	86.4





#73

Bromobenzene

Concen: 21.712 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

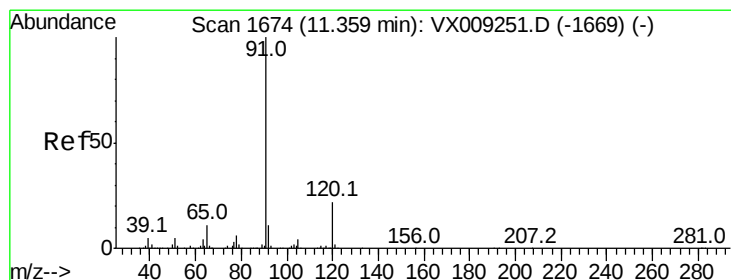
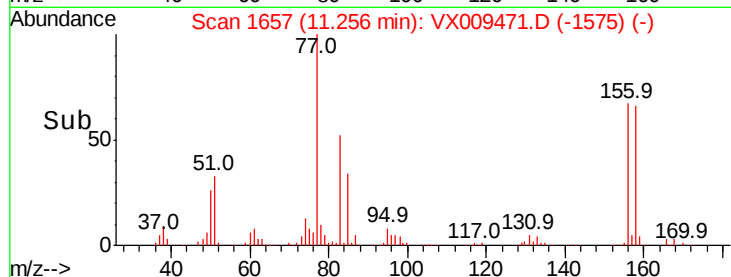
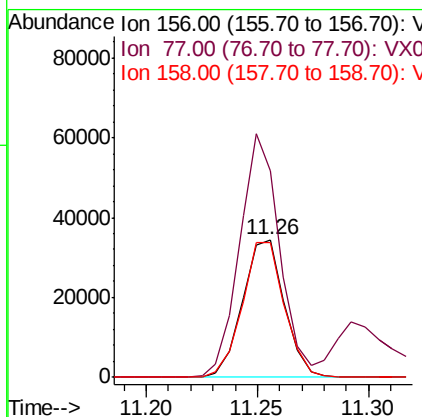
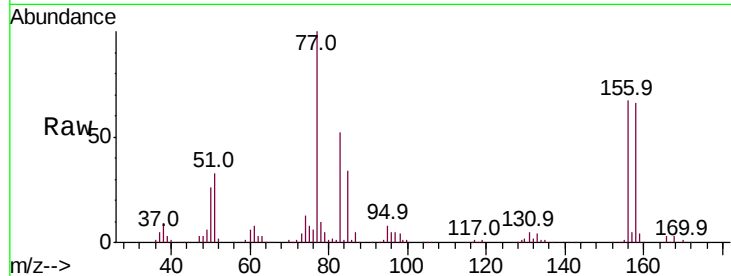
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.4	0.0	335.6
158	98.8	0.0	191.2

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#74

n-propylbenzene

Concen: 22.313 ug/l

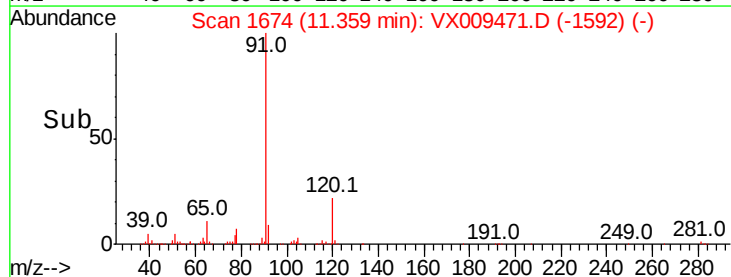
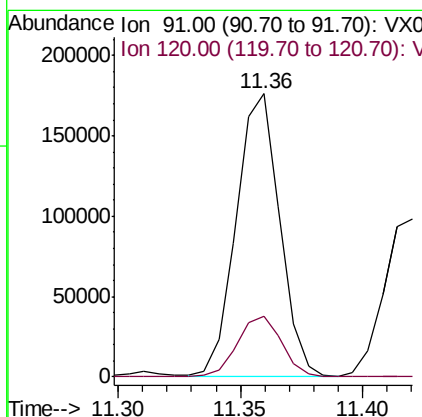
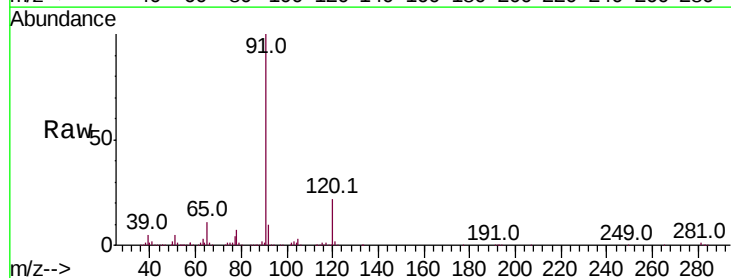
RT: 11.36 min Scan# 1674

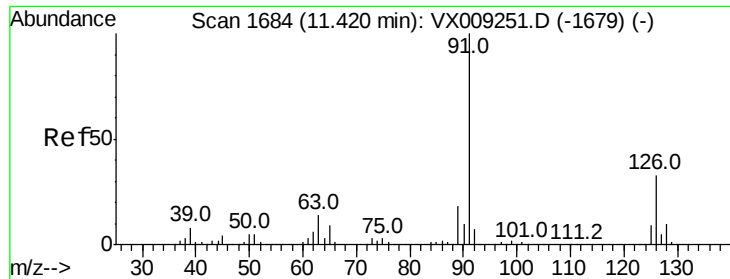
Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	43.4





#75

2-Chlorotoluene

Concen: 22.058 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 129204

Ion Ratio Lower Upper

91 100

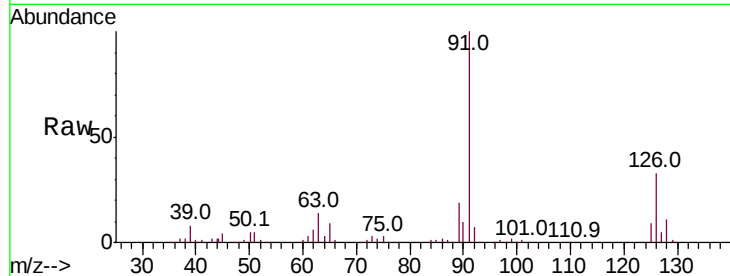
126 32.5 0.0 64.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009471.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009471.D (-1679) (-)

200000

150000

100000

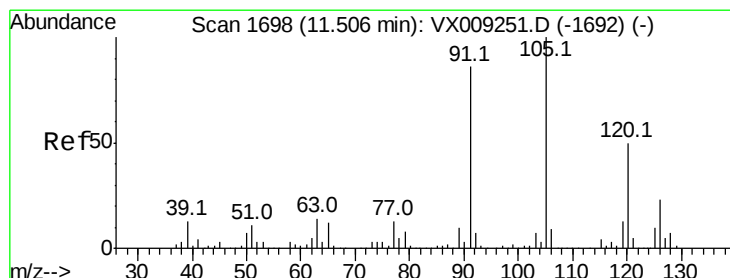
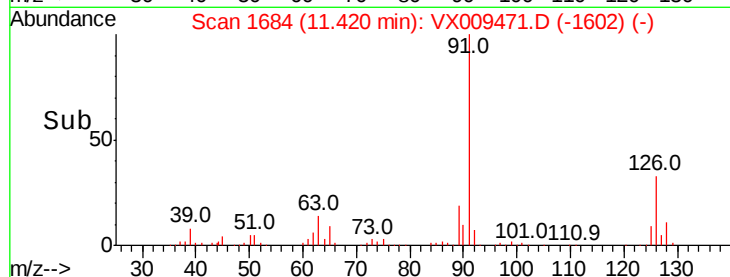
50000

0

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 22.188 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009471.D

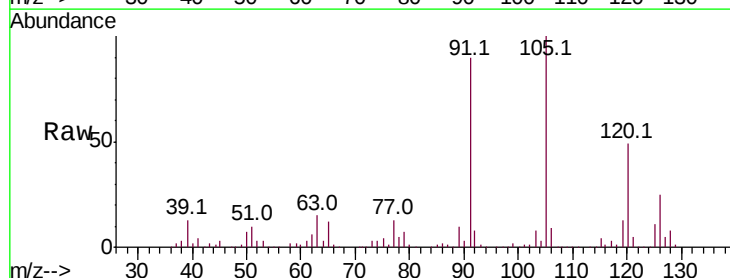
Acq: 10 May 2019 10:06

Tgt Ion: 105 Resp: 158388

Ion Ratio Lower Upper

105 100

120 48.3 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009471.D (-1616) (-)

Ion 120.00 (119.70 to 120.70): VX009471.D (-1616) (-)

150000

100000

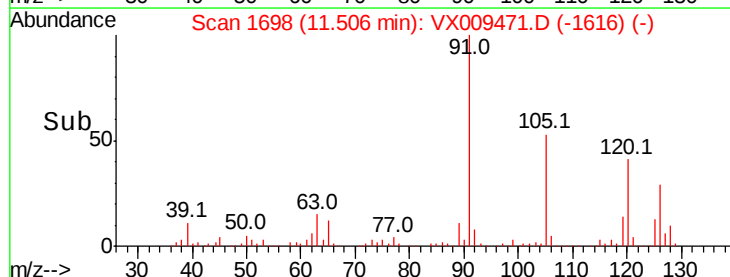
50000

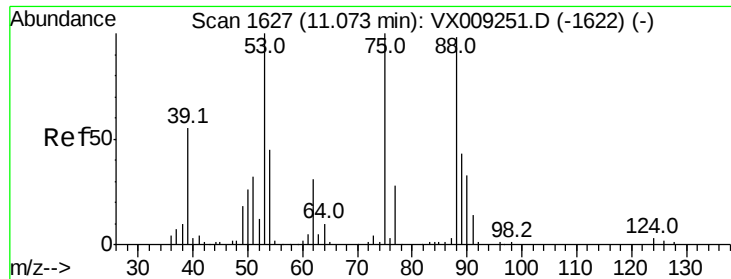
0

11.51

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.551 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

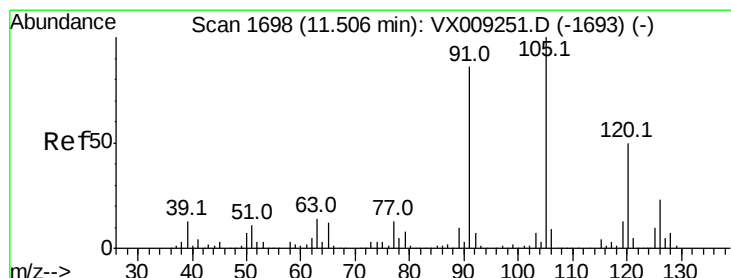
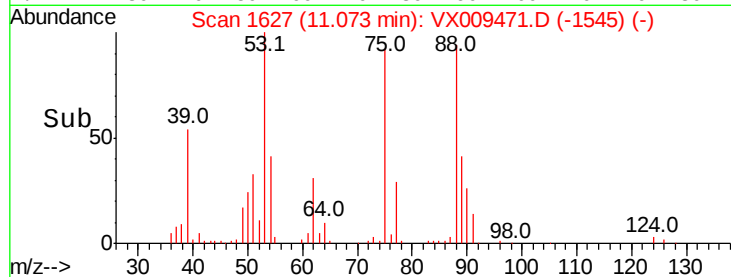
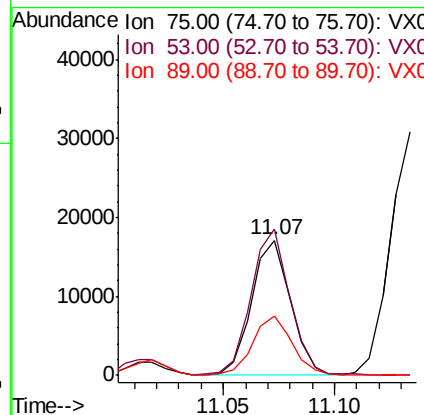
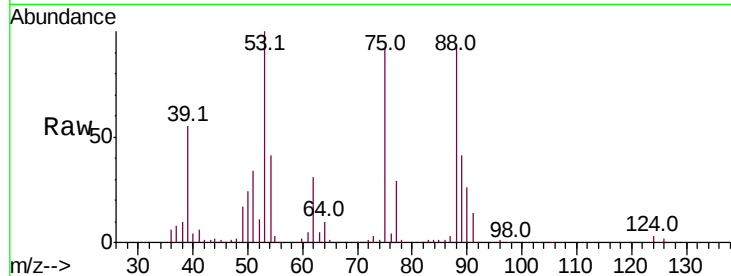
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	20974
Ion	Ratio	Lower	Upper
75	100		
53	108.3	50.0	149.8
89	44.1	21.6	65.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 22.194 ug/l

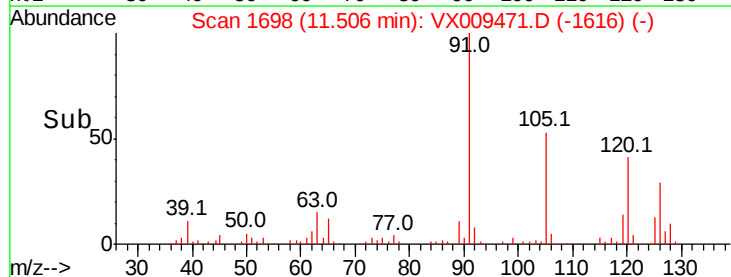
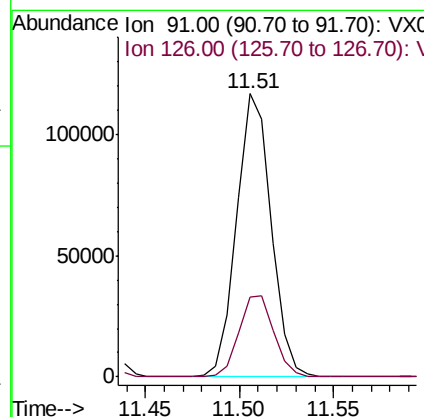
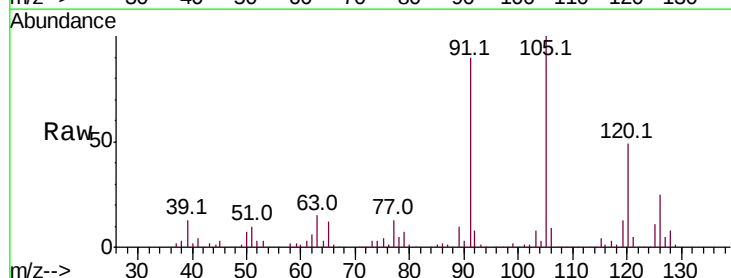
RT: 11.51 min Scan# 1698

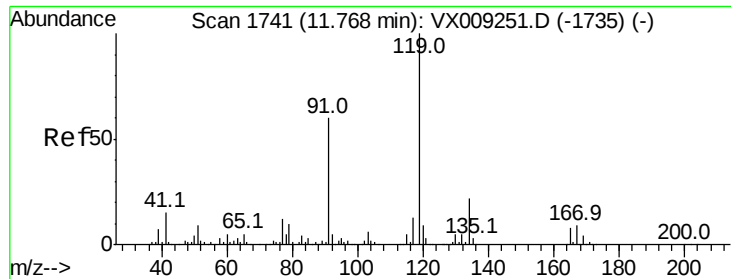
Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion:	91	Resp:	147645
Ion	Ratio	Lower	Upper
91	100		
126	29.0	0.0	57.0





#79

tert-butylbenzene

Concen: 21.869 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

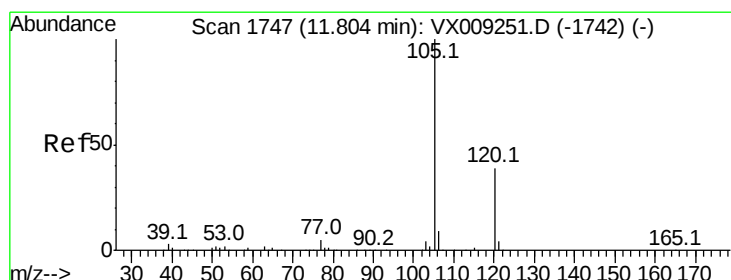
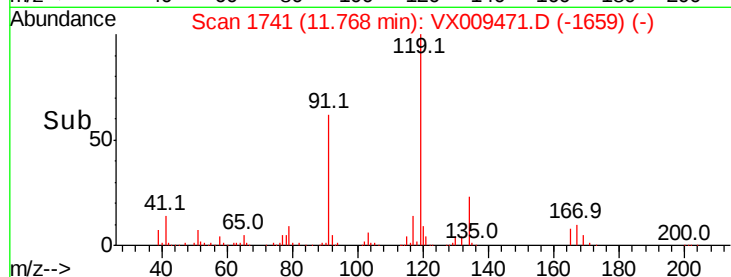
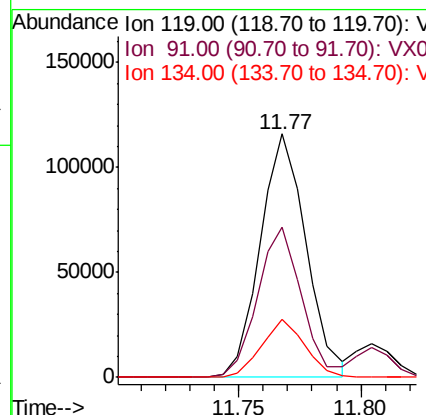
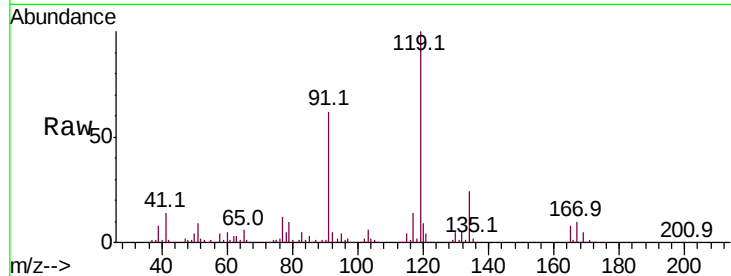
ClientSampleId :

VSTDCCC020

Tot Ion:	119	Resp:	150911
Ion Ratio	Lower	Upper	
119	100		
91	59.6	0.0	118.2
134	22.6	0.0	45.0

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#80

1,2,4-Trimethylbenzene

Concen: 22.078 ug/l

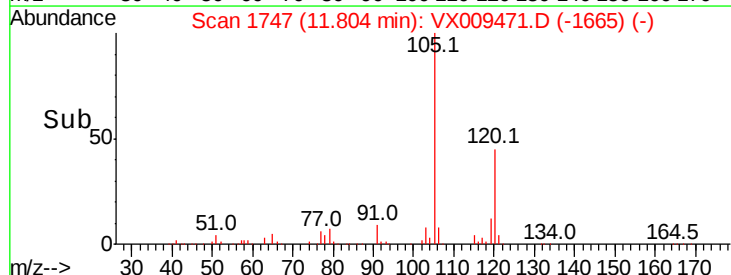
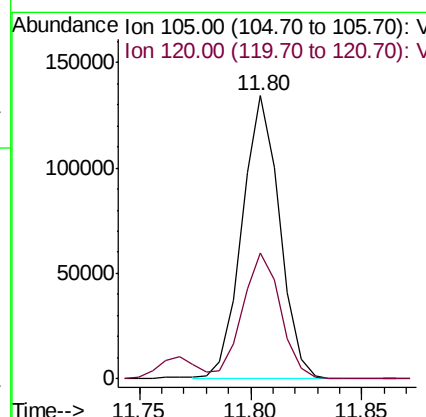
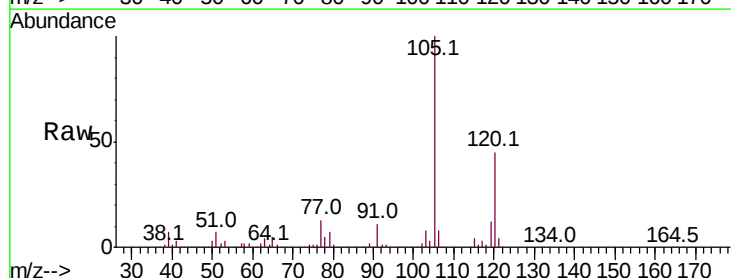
RT: 11.80 min Scan# 1747

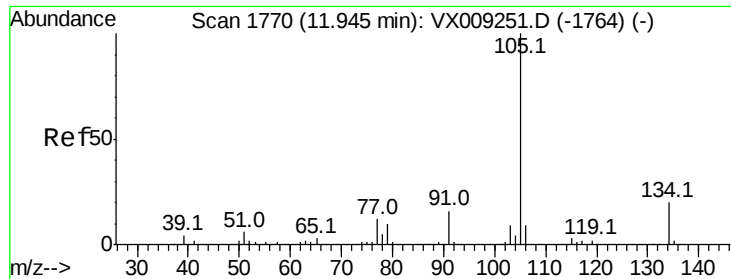
Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion:	105	Resp:	157957
Ion Ratio	Lower	Upper	
105	100		
120	45.1	0.0	89.6





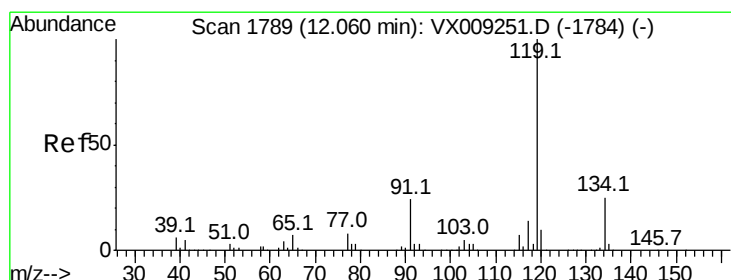
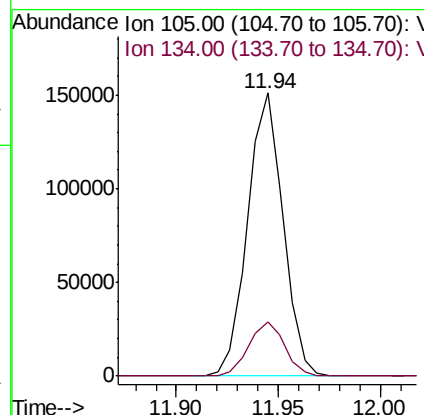
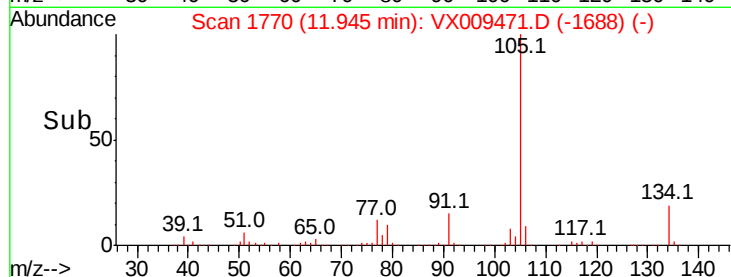
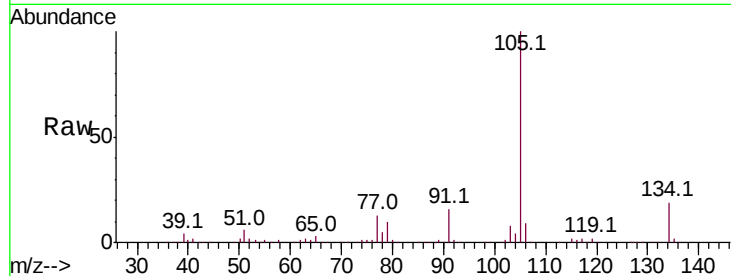
#81
 sec-Butylbenzene
 Concen: 22.317 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	182970		
134	19.3	0.0	38.6	

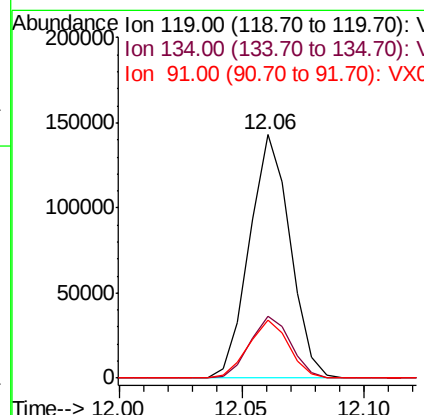
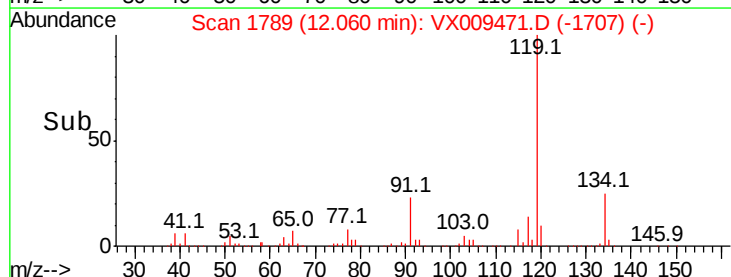
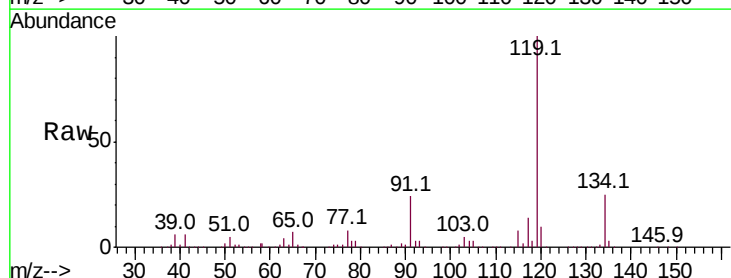
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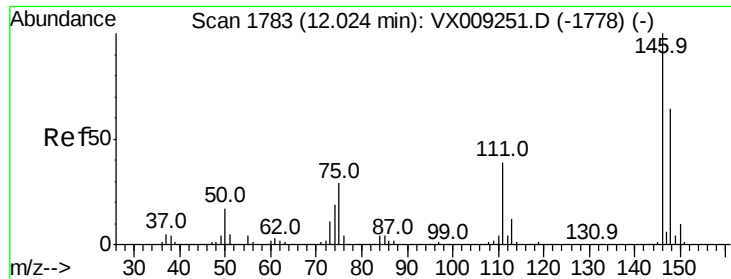
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#82
 p-Isopropyltoluene
 Concen: 22.278 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	166147		
134	25.5	0.0	50.8	
91	23.6	0.0	47.2	





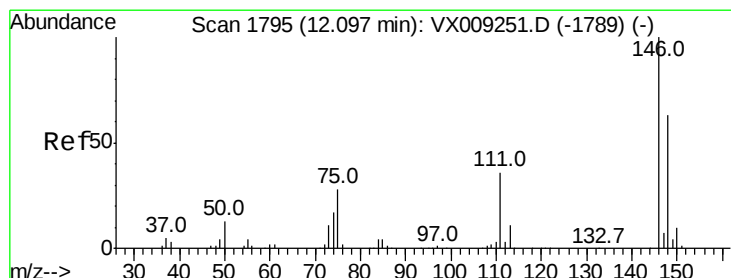
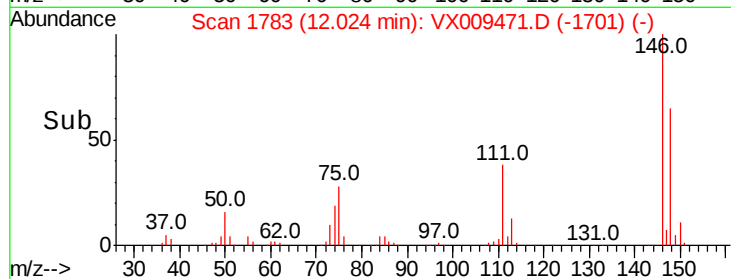
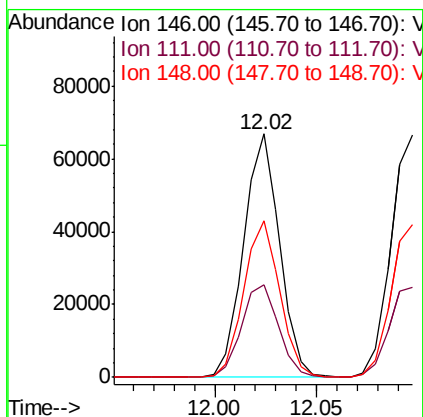
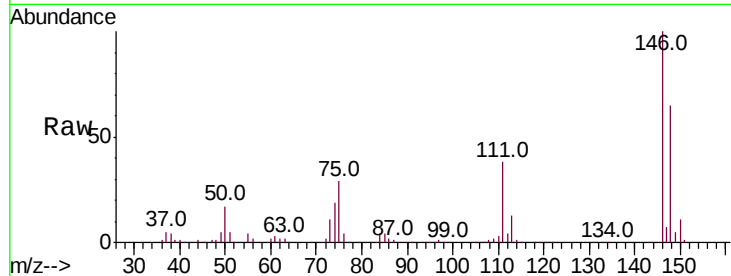
#83
 1,3-Dichlorobenzene
 Concen: 21.963 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	64.6	32.2	96.6

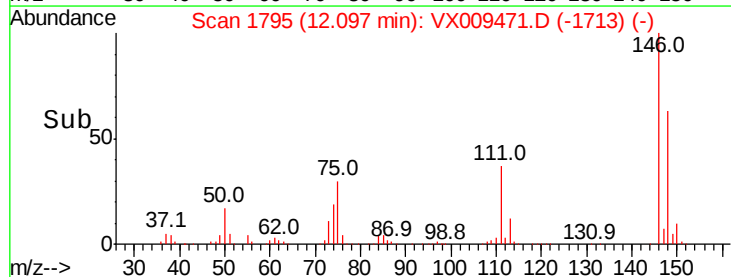
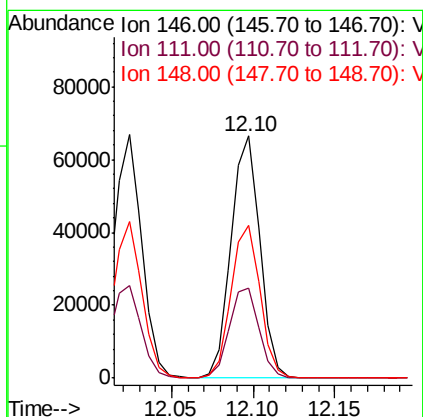
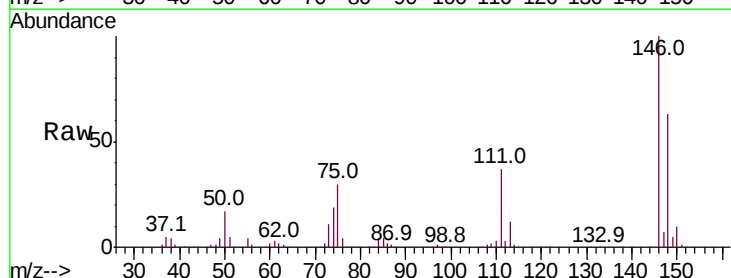
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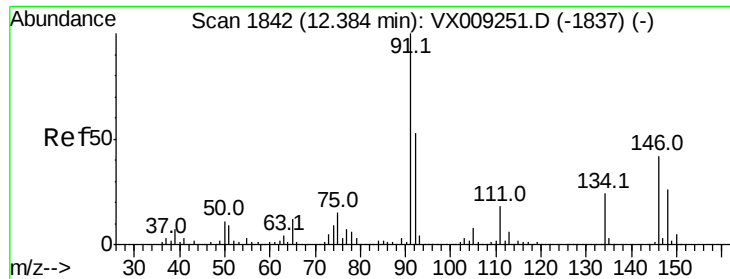
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#84
 1,4-Dichlorobenzene
 Concen: 22.000 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.7
148	63.9	32.3	96.8





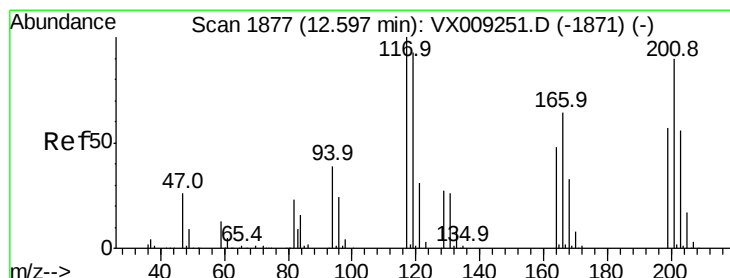
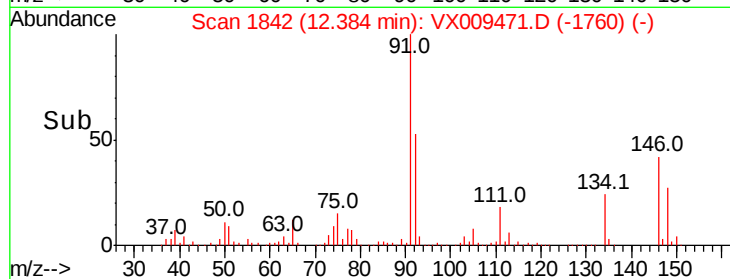
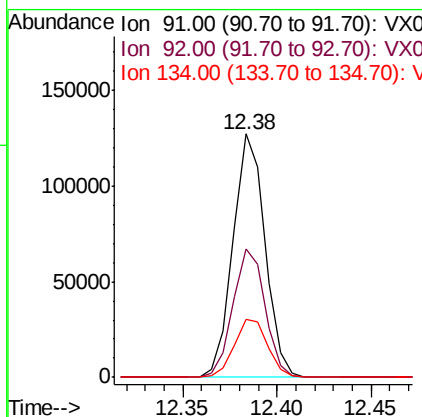
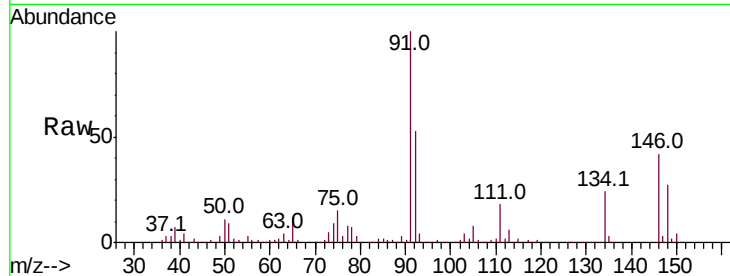
#85
n-Butylbenzene
Concen: 21.987 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	0.0	106.6	
134	25.0	0.0	50.0	

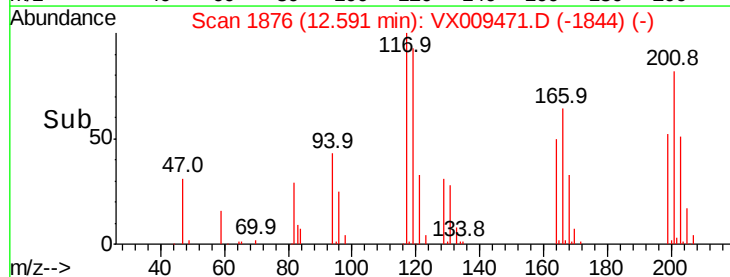
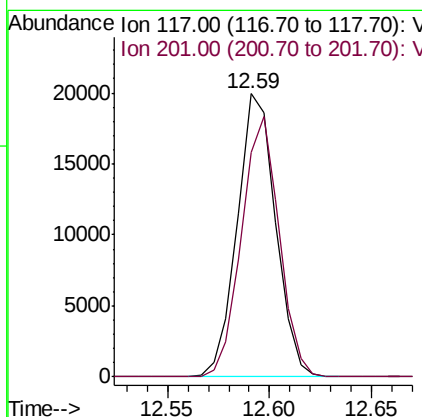
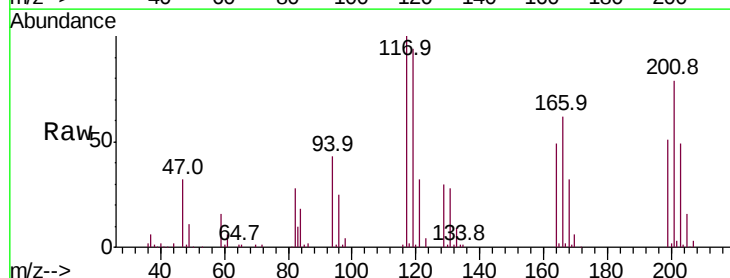
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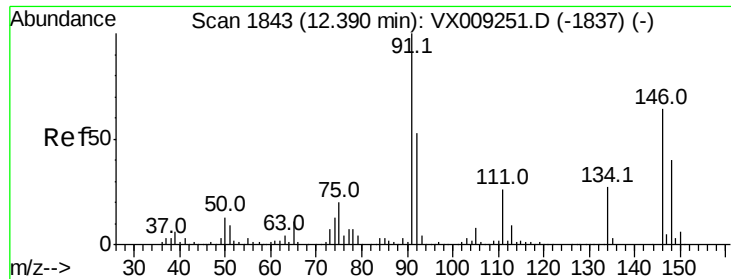
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#86
Hexachloroethane
Concen: 20.572 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009471.D
Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.1	41.8	125.4	





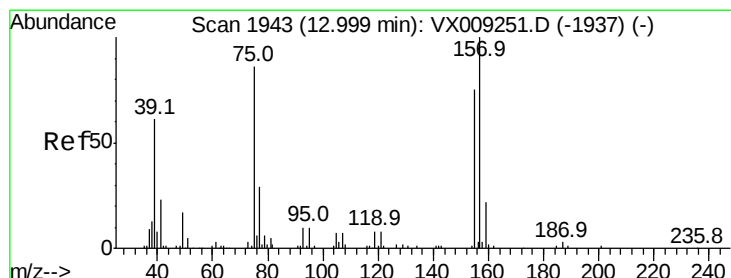
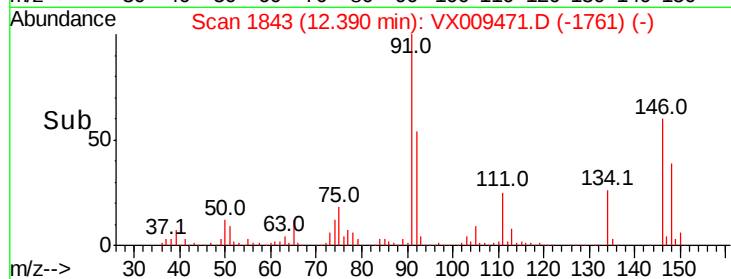
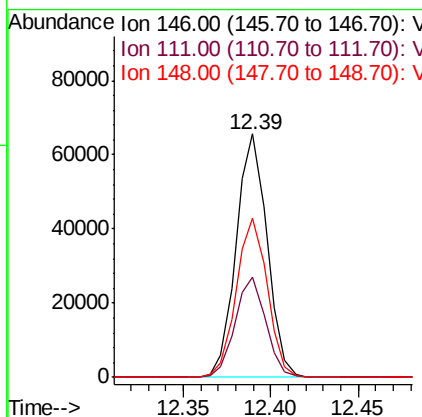
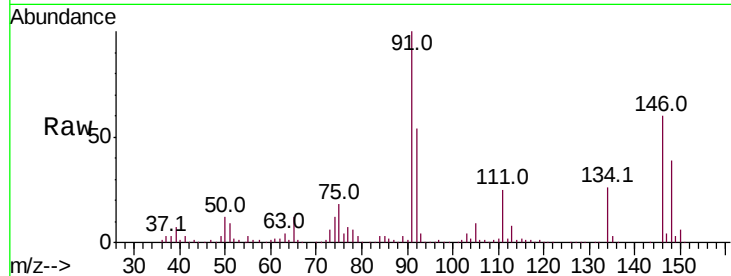
#87
 1,2-Dichlorobenzene
 Concen: 21.593 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.2
148	65.6	31.4	94.3

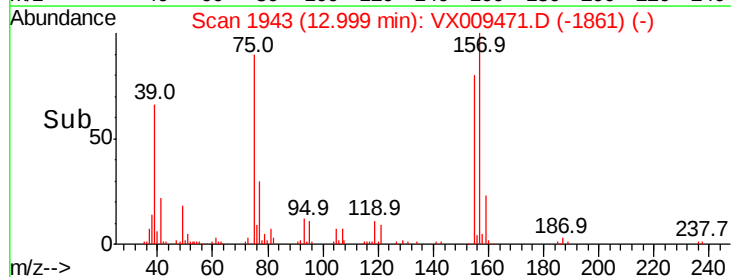
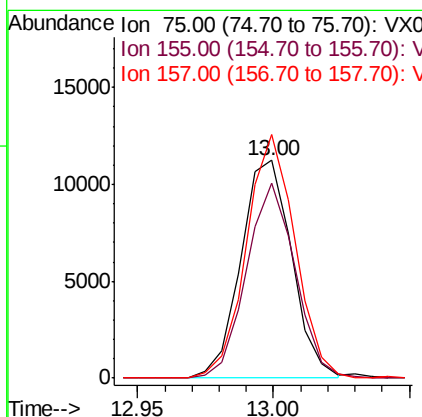
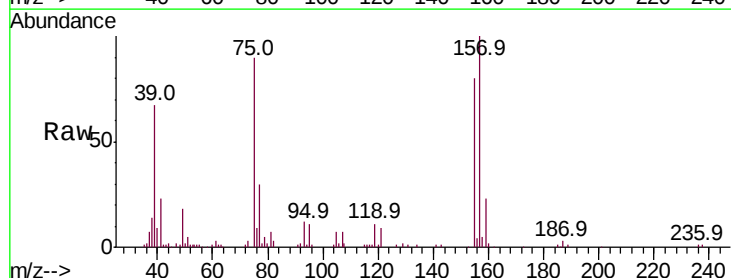
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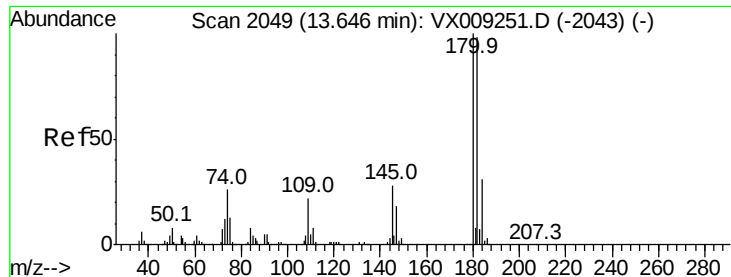
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.355 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	65.9	98.9
157	106.7	85.2	127.8





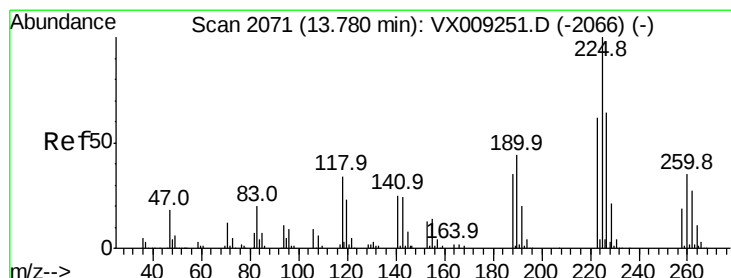
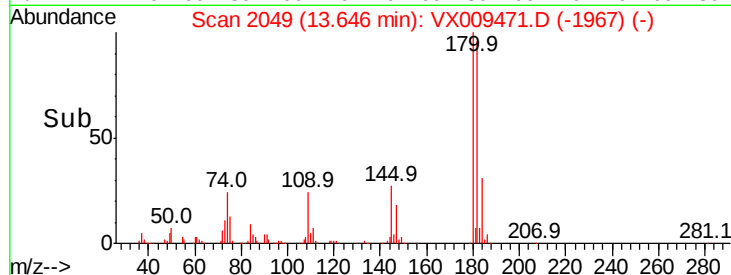
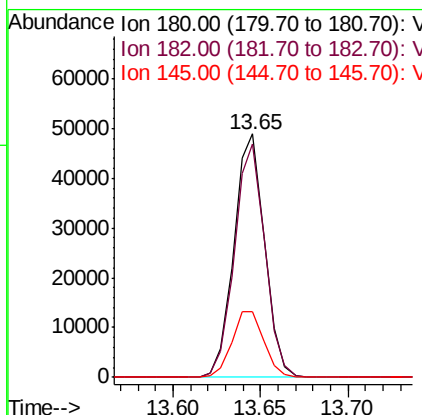
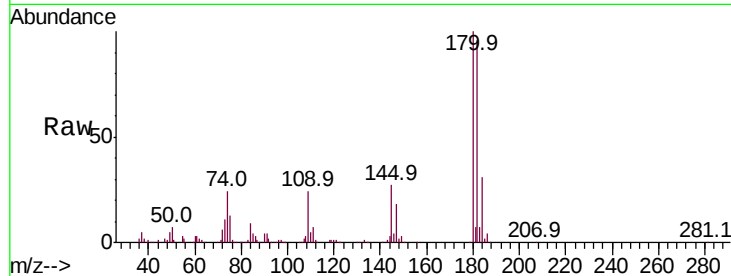
#89
 1,2,4-Trichlorobenzene
 Concen: 22.289 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.9	115.3
145	28.2	23.0	34.6

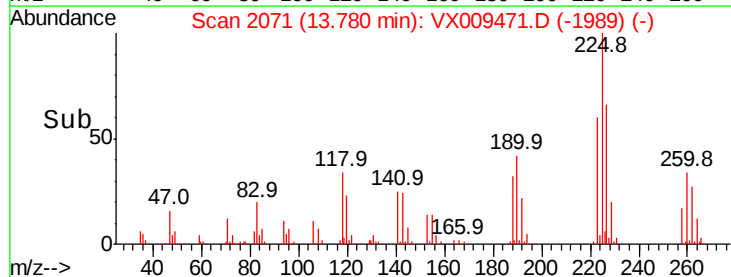
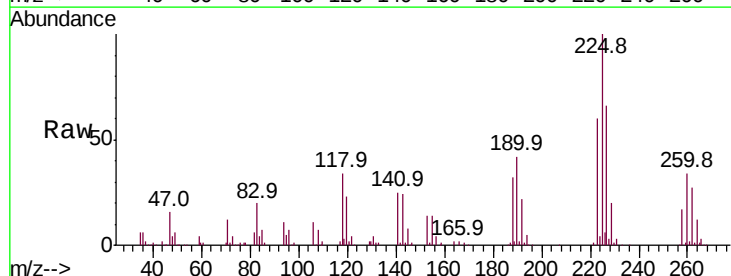
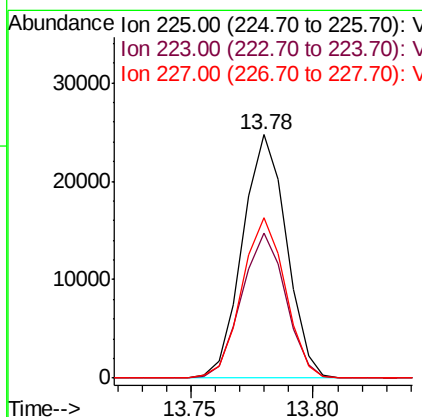
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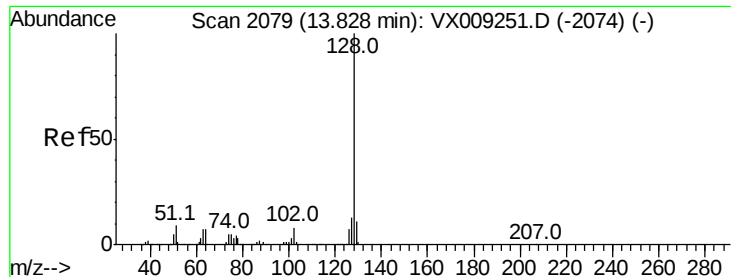
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#90
 Hexachlorobutadiene
 Concen: 23.202 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009471.D
 Acq: 10 May 2019 10:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	0.0	126.6
227	64.7	0.0	130.0





#91

Naphthalene

Concen: 21.570 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Instrument :

MSVOA_X

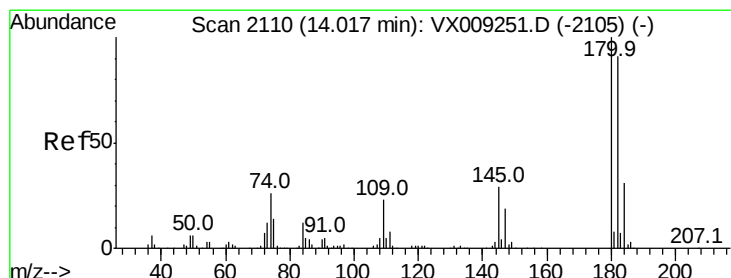
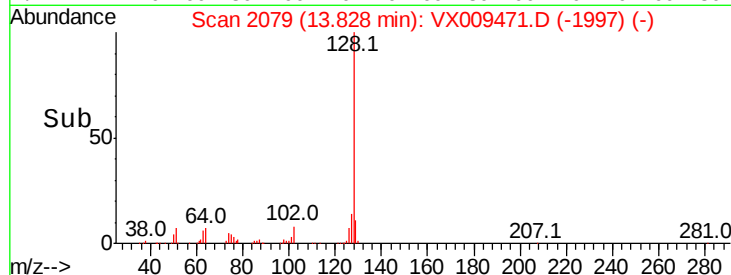
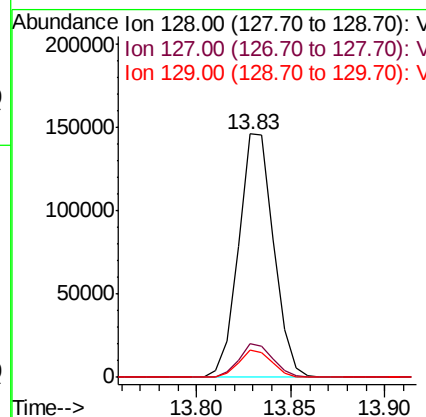
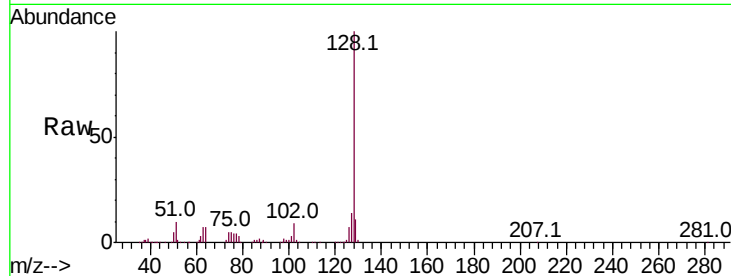
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	188412
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.7	8.7	13.1

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#92

1,2,3-Trichlorobenzene

Concen: 22.539 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009471.D

Acq: 10 May 2019 10:06

Tgt Ion:	180	Resp:	61123
Ion Ratio	Lower	Upper	
180	100		
182	93.9	0.0	189.0
145	30.5	0.0	61.6

