

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051997.D
 Acq On : 24 Oct 2018 19:20
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

apatel
 10/25/2018 9:24:32 AM

Quant Time: Oct 25 01:43:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	167562	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	949384	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	852012	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	292278	28.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.57%
60) 4-Bromofluorobenzene	12.40	95	351567	28.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.40%
63) Toluene-d8	10.09	98	1082602	29.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	134355	20.639	ug/l 98
3) Chloromethane	2.06	50	118095	17.165	ug/l 97
4) Vinyl Chloride	2.19	62	147638	14.370	ug/l 100
5) Bromomethane	2.55	94	149581	16.477	ug/l 86
6) Chloroethane	2.70	64	113399	15.315	ug/l 97
7) Trichlorofluoromethane	3.02	101	288759	19.713	ug/l 94
8) Diethyl Ether	3.42	74	85651	20.086	ug/l 67
9) 1,1,2-Trichlorotrifluoroet	3.77	101	177372	21.263	ug/l # 40
10) 1,1-Dichloroethene	3.74	96	158925	20.600	ug/l # 78
11) Methyl Iodide	3.96	142	263886	23.530	ug/l 95
12) Methyl Acetate	4.33	43	97403	20.332	ug/l # 89
13) Acrolein	3.61	56	8357m	26.477	ug/l
14) Acrylonitrile	4.99	53	190284	88.872	ug/l # 60
15) Acetone	3.82	58	41540	78.484	ug/l 99
16) Carbon Disulfide	4.06	76	320179	15.803	ug/l 97
17) Allyl chloride	4.33	41	144322	15.757	ug/l 72
18) Methylene Chloride	4.55	84	184383	21.376	ug/l 87
19) trans-1,2-Dichloroethene	5.05	96	173272	19.670	ug/l # 79
20) Diisopropyl ether	5.95	45	380926	18.674	ug/l # 82
21) 1,1-Dichloroethane	5.85	63	272411	19.112	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	208155	20.118	ug/l # 77
23) tert-Butyl Alcohol	4.78	59	28233m	50.068	ug/l
24) Methyl tert-Butyl Ether	5.05	73	406010	18.267	ug/l 97
25) Chloroform	7.37	83	336653	19.909	ug/l 98
26) Cyclohexane	7.66	56	209476	17.335	ug/l # 68
29) 1,1-Dichloropropene	7.80	75	229026	18.715	ug/l 92
30) 2-Butanone	6.84	43	193658	75.712	ug/l # 84
31) 2,2-Dichloropropane	6.83	77	229041	15.910	ug/l # 77
32) 1,1,1-Trichloroethane	7.57	97	302080	18.619	ug/l 94
33) Carbon Tetrachloride	7.78	117	265909	18.115	ug/l 91
34) Benzene	8.04	78	705522	19.490	ug/l # 65
35) Methacrylonitrile	7.17	41	40967	12.191	ug/l # 69
36) 1,2-Dichloroethane	8.13	62	222662	19.197	ug/l 96
37) Trichloroethene	8.84	130	225916	20.105	ug/l 93
38) Methylcyclohexane	9.08	83	267288	17.029	ug/l 78
39) 1,2-Dichloropropane	9.12	63	161580	18.954	ug/l 98
40) Dibromomethane	9.21	93	125099	19.772	ug/l 93

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

41) Bromodichloromethane	9.40	83	232438	17.786	ug/l	95
42) Vinyl Acetate	5.90	43	1192272	82.804	ug/l #	88
43) Ethyl Acetate	6.92	43	96705	17.412	ug/l	97
44) Isopropyl Acetate	8.17	43	176892	15.946	ug/l	94
45) 1,4-Dioxane	9.20	88	20281	227.684	ug/l #	71
46) Methyl methacrylate	9.20	41	86308	16.867	ug/l	71
47) n-amyl Acetate	12.07	43	153325m	16.510	ug/l	
48) t-1,3-Dichloropropene	10.38	75	209650	16.451	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	242136	17.235	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	171792	19.652	ug/l	95
51) Ethyl methacrylate	10.43	69	177317	17.717	ug/l	81
52) 1,3-Dichloropropane	10.71	76	258156	19.134	ug/l	99
53) Dibromochloromethane	10.90	129	178746	16.528	ug/l	96
54) 1,2-Dibromoethane	11.01	107	171264	18.665	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	482590	112.795	ug/l #	91
56) Bromoform	12.13	173	100129	14.039	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	471597	82.713	ug/l #	86
59) 2-Hexanone	10.75	43	305929	79.534	ug/l #	89
61) Tetrachloroethene	10.63	164	206661	18.967	ug/l	96
62) Toluene	10.16	91	837140	19.778	ug/l	99
64) Chlorobenzene	11.43	112	559872	20.197	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	199361	18.737	ug/l	100
66) Ethyl Benzene	11.51	91	880403	18.820	ug/l	98
67) m/p-Xylenes	11.62	106	721810	38.059	ug/l	96
68) o-Xylene	11.95	106	354616	18.967	ug/l	85
69) Styrene	11.96	104	549584	19.159	ug/l	95
70) Isopropylbenzene	12.25	105	929629	18.646	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	159439	16.193	ug/l	92
72) 1,2,3-Trichloropropane	12.55	75	124697m	16.099	ug/l	
73) Bromobenzene	12.53	156	245917	19.913	ug/l	75
74) n-propylbenzene	12.59	91	983930	18.347	ug/l	93
75) 2-Chlorotoluene	12.67	91	575060	18.290	ug/l	89
76) 1,3,5-Trimethylbenzene	12.73	105	736142	17.855	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	31494	12.294	ug/l	94
78) 4-Chlorotoluene	12.77	91	574498	18.598	ug/l	88
79) tert-butylbenzene	12.99	119	682679	18.005	ug/l	92
80) 1,2,4-Trimethylbenzene	13.04	105	735720	17.855	ug/l	96
81) sec-Butylbenzene	13.17	105	872384	17.588	ug/l	95
82) p-Isopropyltoluene	13.29	119	781194	17.601	ug/l	94
83) 1,3-Dichlorobenzene	13.28	146	414811	19.036	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	400513	19.523	ug/l	99
85) n-Butylbenzene	13.61	91	564138	16.856	ug/l	94
86) Hexachloroethane	13.87	117	104884	13.705	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	386265	18.309	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14337	9.750	ug/l #	60
89) 1,2,4-Trichlorobenzene	14.91	180	117290	16.151	ug/l	99
90) Hexachlorobutadiene	15.01	225	88615	13.034	ug/l	98
91) Naphthalene	15.13	128	197611	15.382	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	88133	9.182	ug/l	94

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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

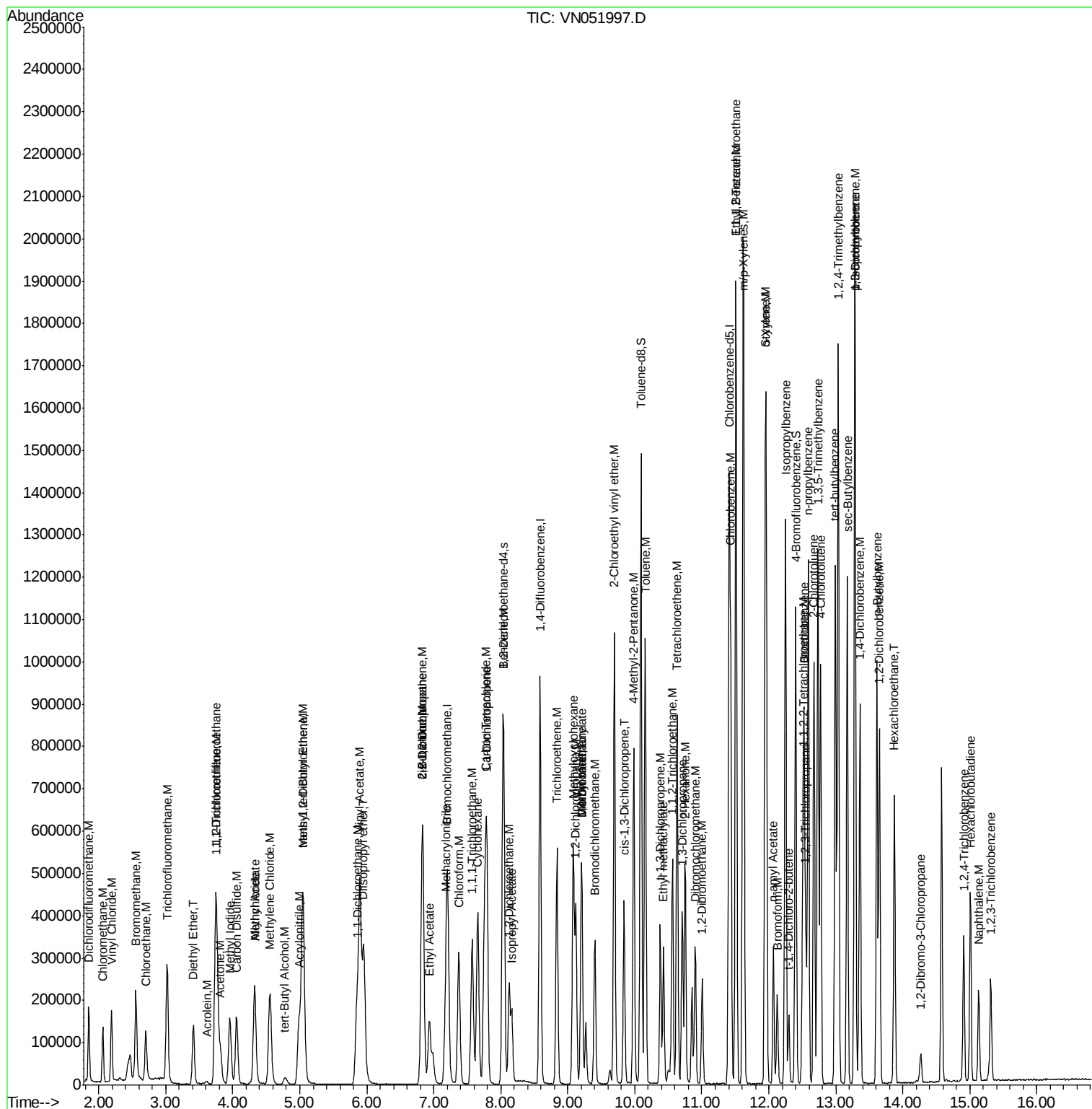
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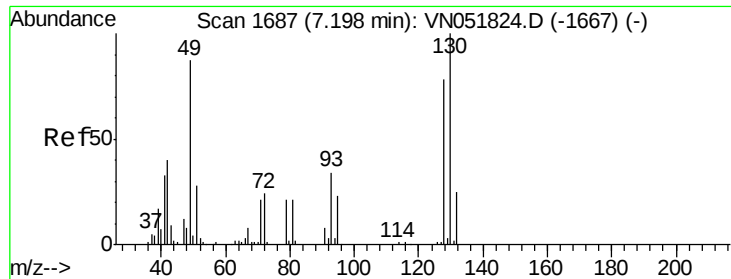
Instrument :
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Manual Integrations
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Quant Time: Oct 25 01:43:34 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

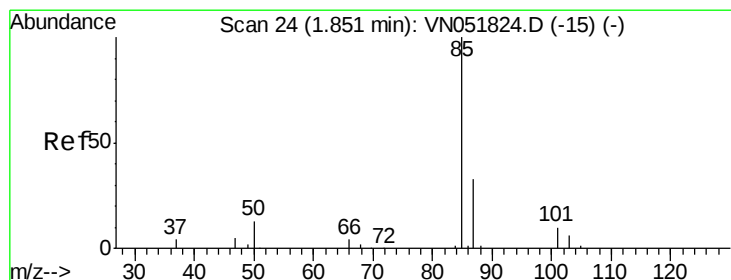
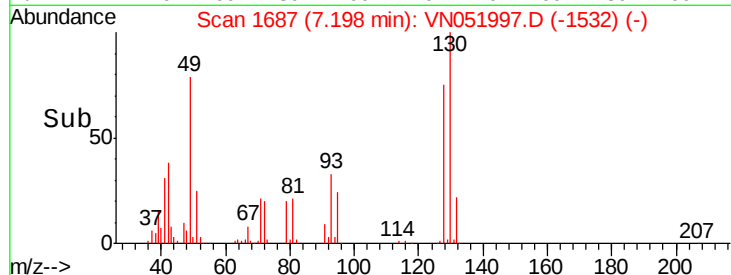
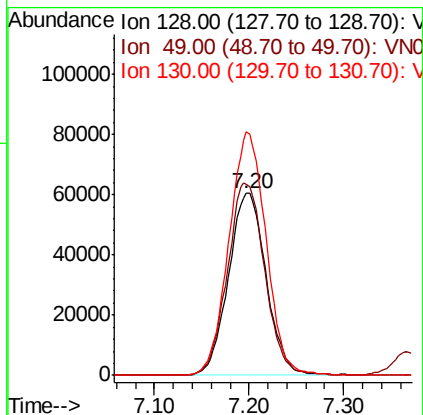
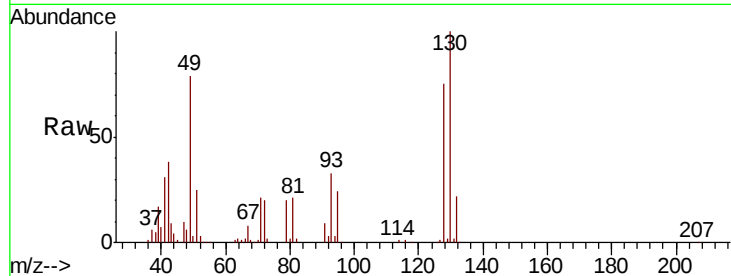
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	167562
Ion	Ratio	Lower	Upper
128	100		
49	104.6	0.0	403.3
130	131.4	0.0	326.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.639 ug/l

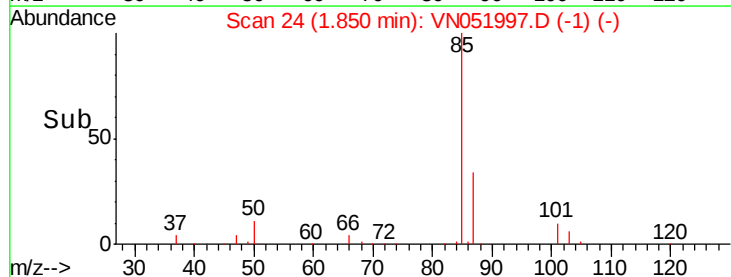
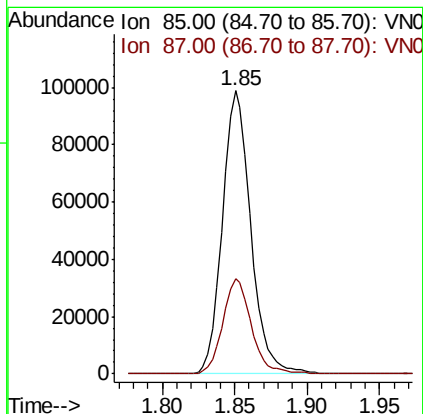
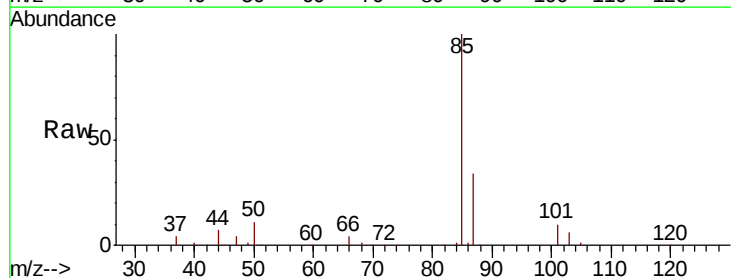
RT: 1.85 min Scan# 24

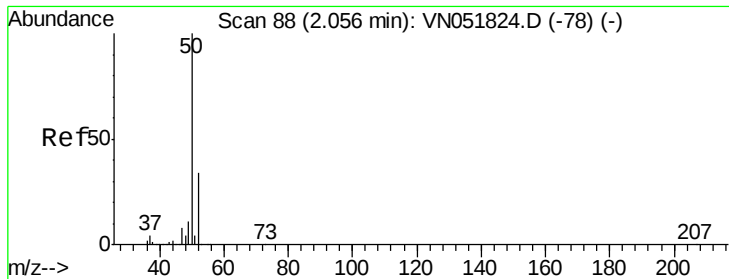
Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion:	85	Resp:	134355
Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.3	48.8





#3

Chloromethane

Concen: 17.165 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 118095

Ion Ratio Lower Upper

50 100

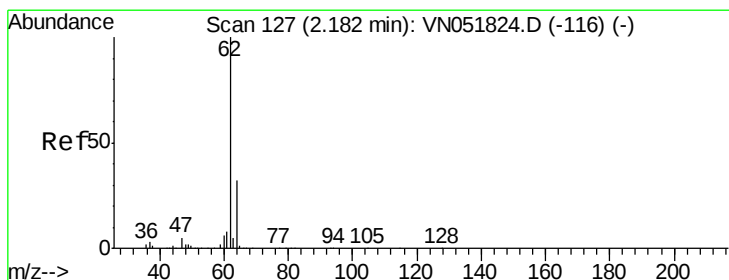
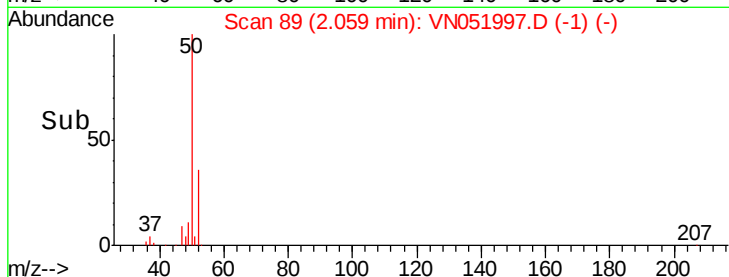
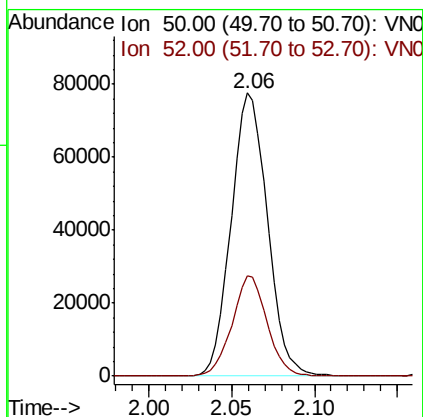
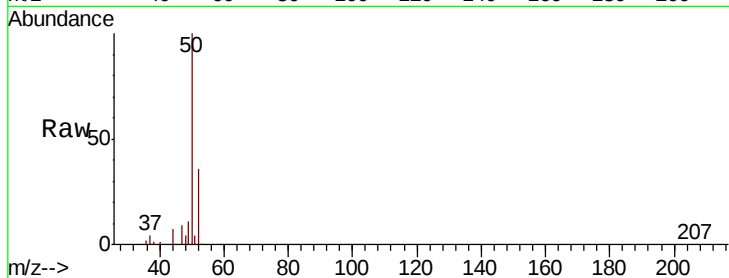
52 35.6 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 14.370 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051997.D

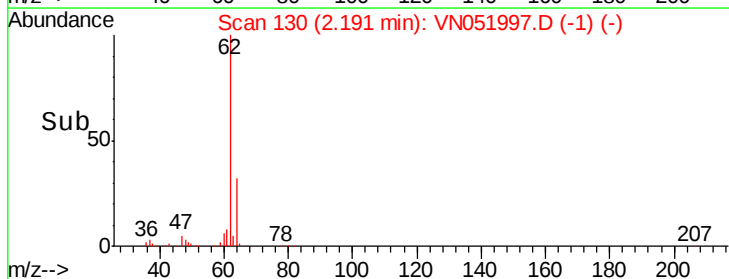
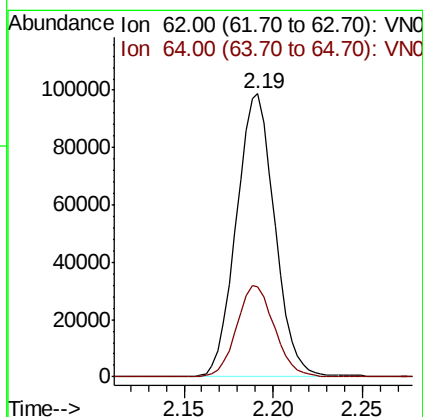
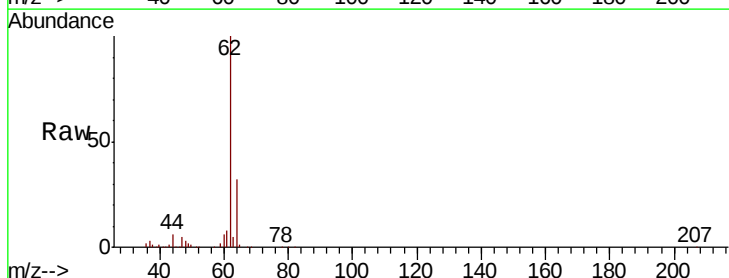
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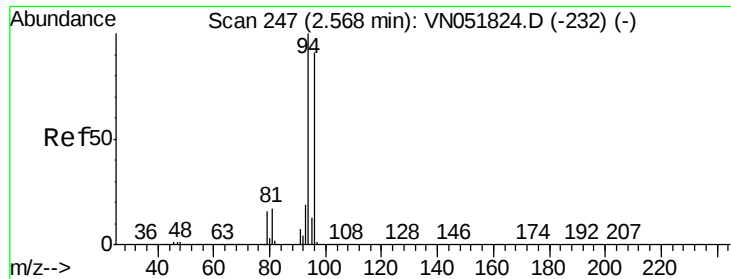
Tgt Ion: 62 Resp: 147638

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 16.477 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 149581

Ion Ratio Lower Upper

94 100

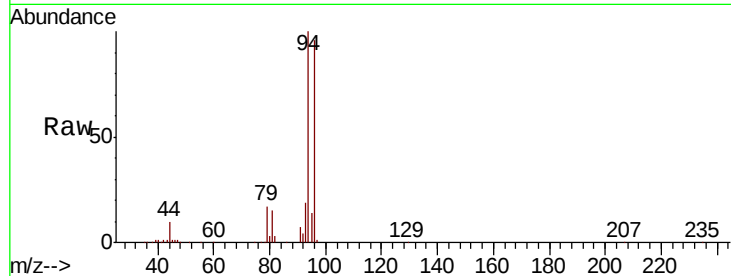
96 95.8 66.4 99.6

Manual Integrations

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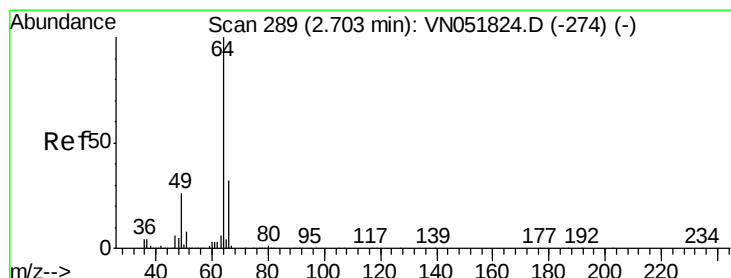
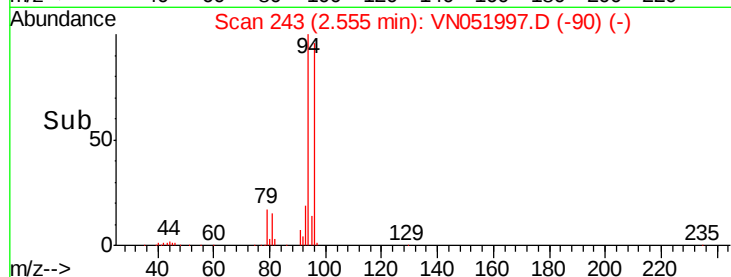
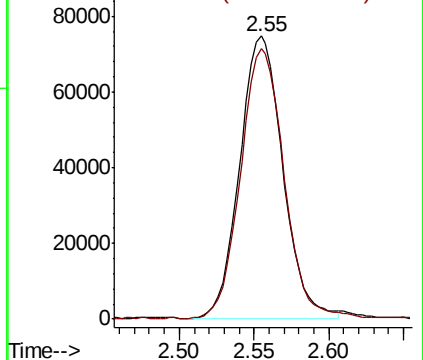
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 15.315 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051997.D

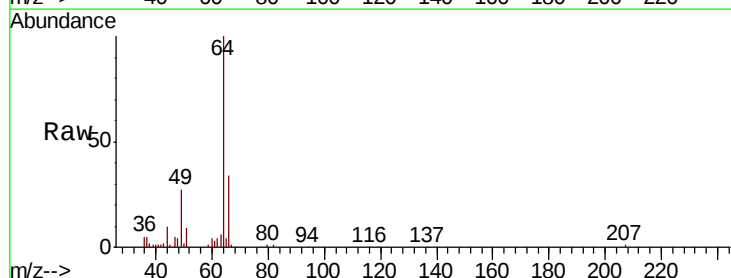
Acq: 24 Oct 2018 19:20

Tgt Ion: 64 Resp: 113399

Ion Ratio Lower Upper

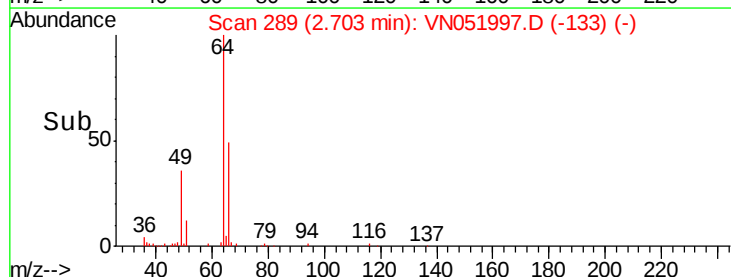
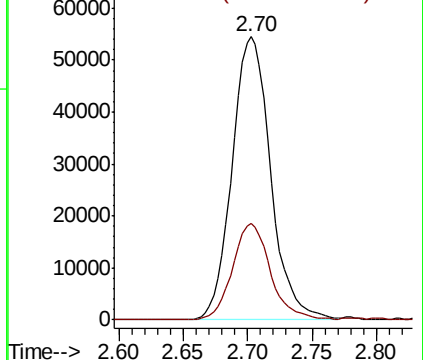
64 100

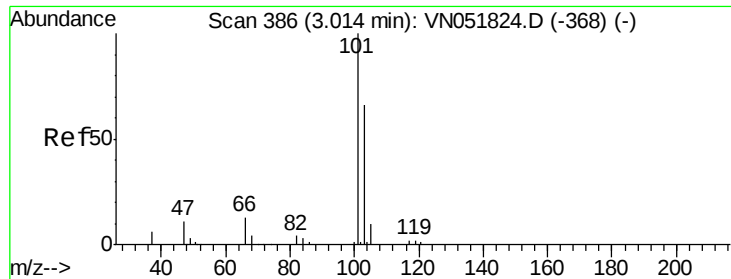
66 34.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

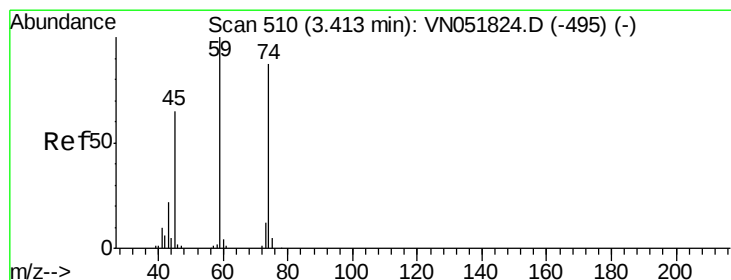
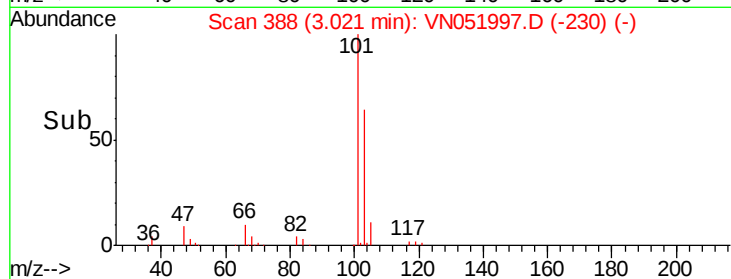
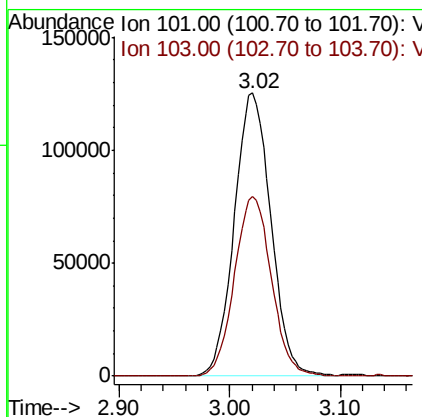
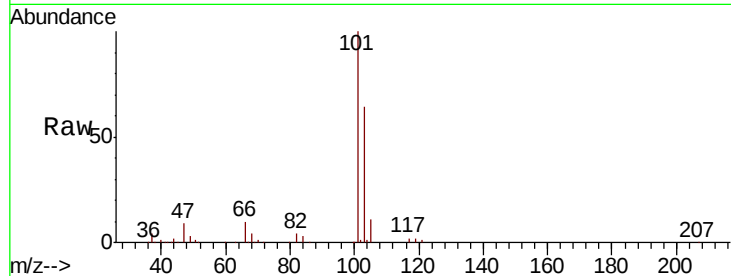
Trichlorofluoromethane
 Concen: 19.713 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VN051997.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	288759		
103	63.6	54.8	82.2	

Manual Integrations
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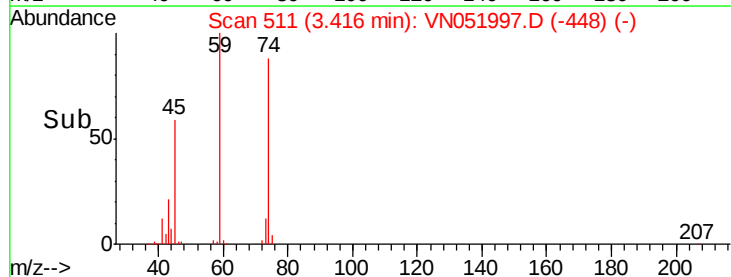
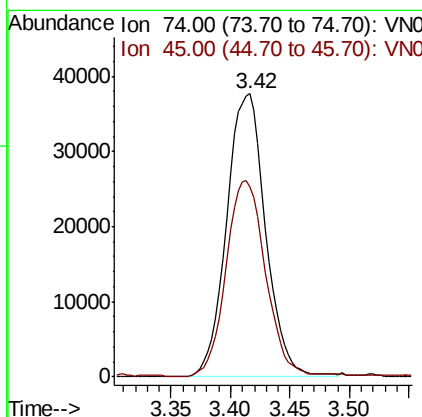
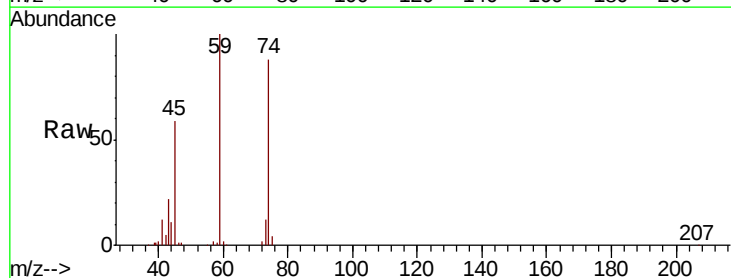
apatel
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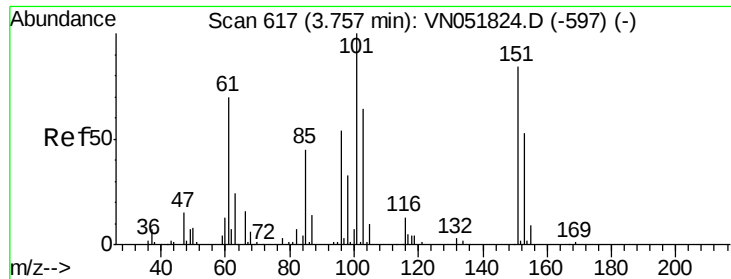


#8

Diethyl Ether
 Concen: 20.086 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	85651		
45	70.3	20.7	186.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.263 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

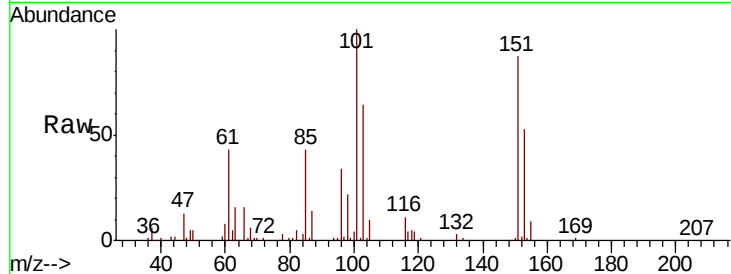
ClientSampleId :

VSTDCCC020EC

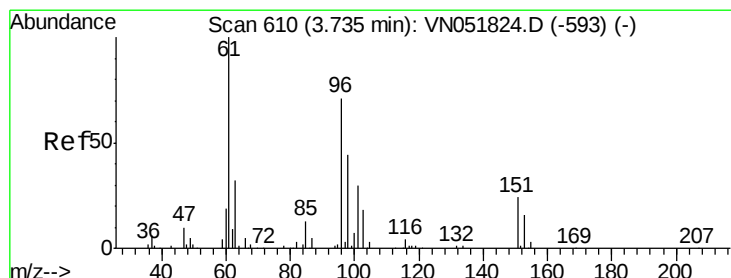
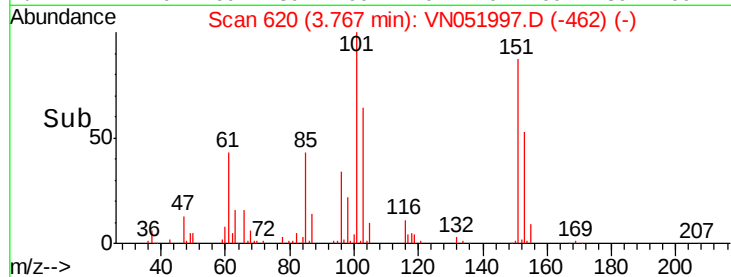
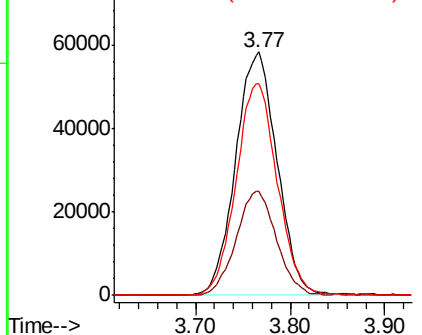
Tot Ion	Ratio	Resp	Lower	Upper
101	100	177372		
85	41.6	0.0	46.0	
151	86.1	0.0	82.2#	

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.600 ug/l

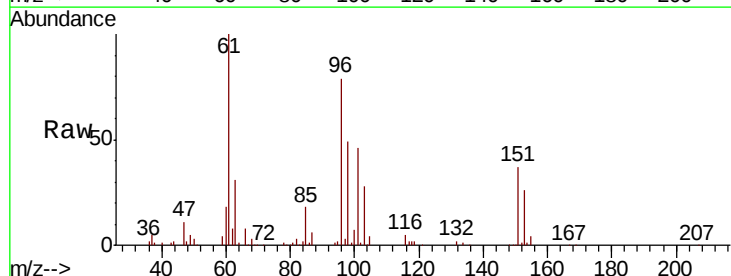
RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

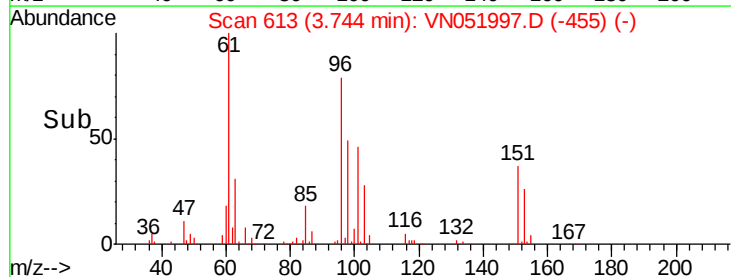
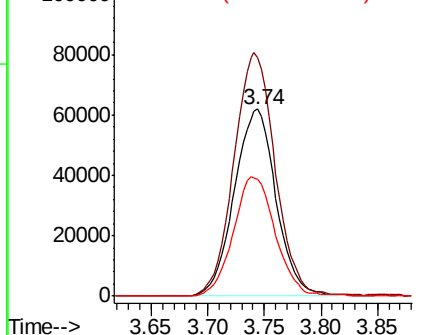
Lab File: VN051997.D

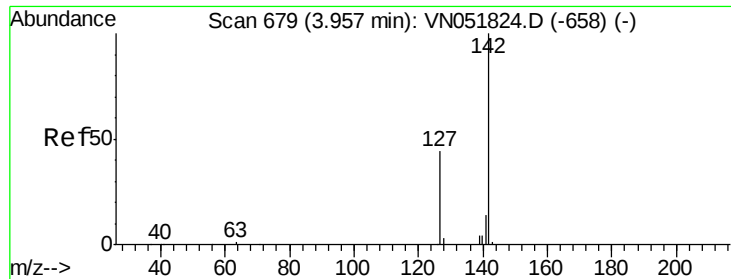
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	158925		
61	127.5	133.0	199.6#	
98	62.6	52.6	78.8	



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V





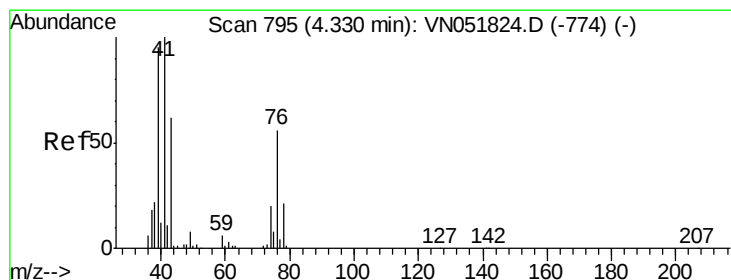
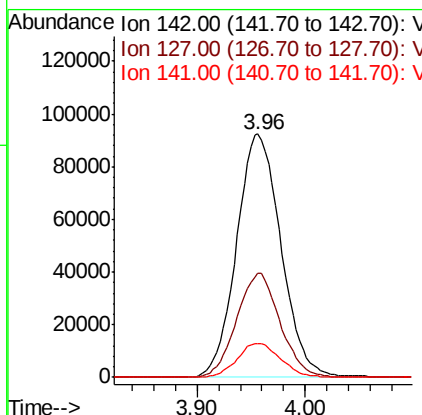
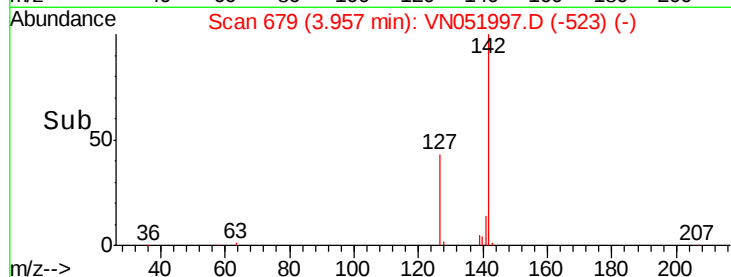
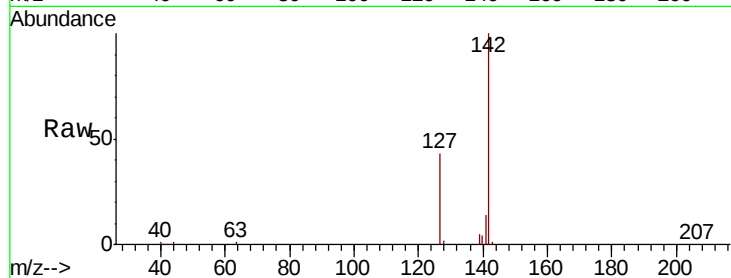
#11
Methvl Iodide
Concen: 23.530 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.8	19.7	59.0
141	13.9	6.3	18.9

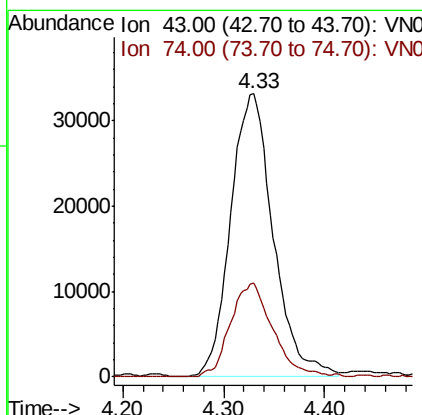
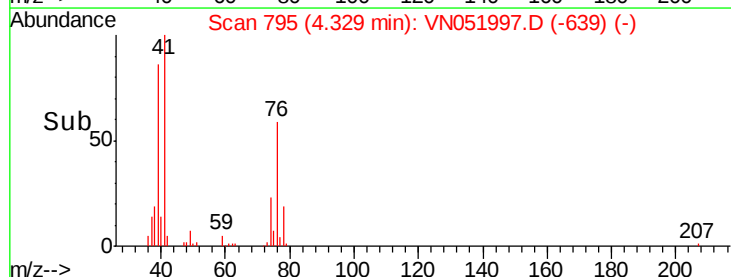
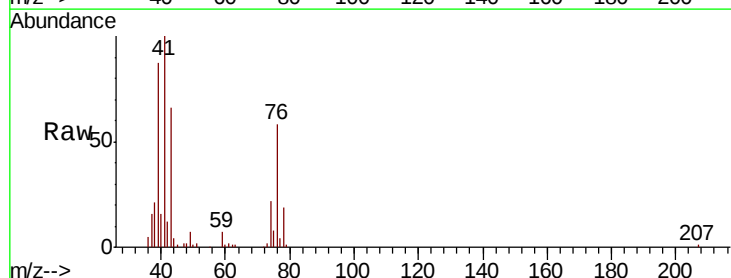
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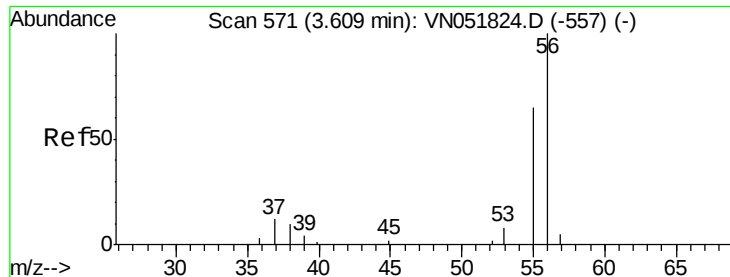
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#12
Methyl Acetate
Concen: 20.332 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	33.2	21.8	32.6#





#13

Acrolein

Concen: 26.477 ug/l m

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 8357

Ion Ratio Lower Upper

56 100

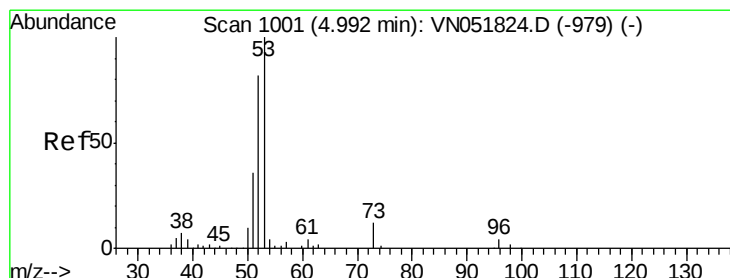
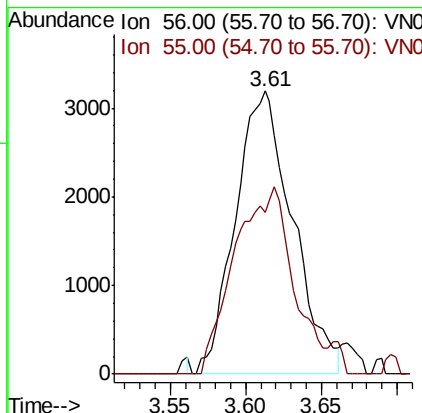
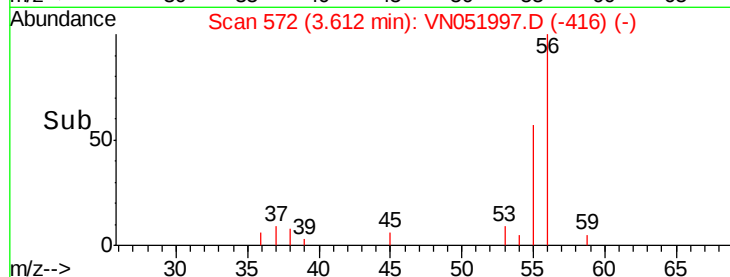
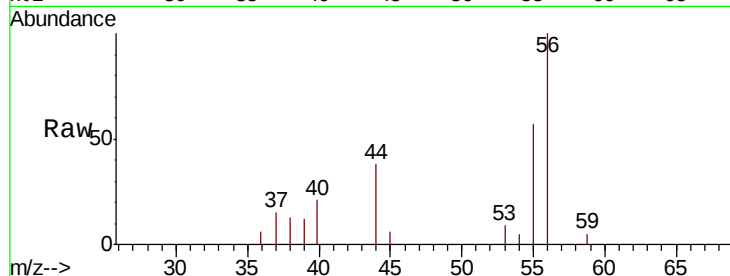
55 2.3 64.0 96.0#

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#14

Acrylonitrile

Concen: 88.872 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

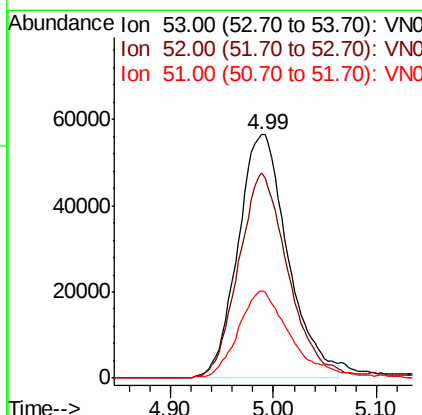
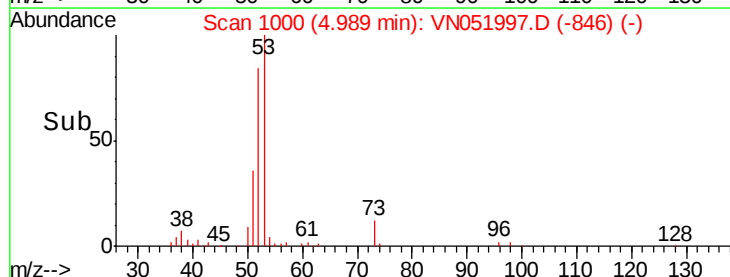
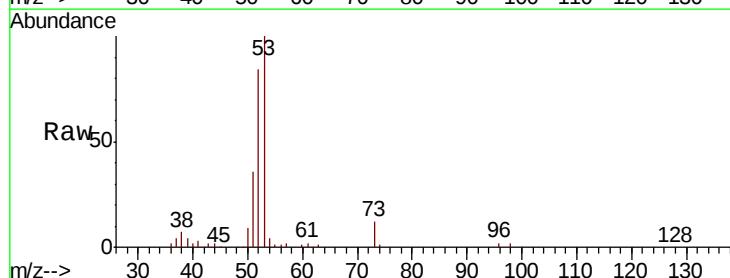
Tgt Ion: 53 Resp: 190284

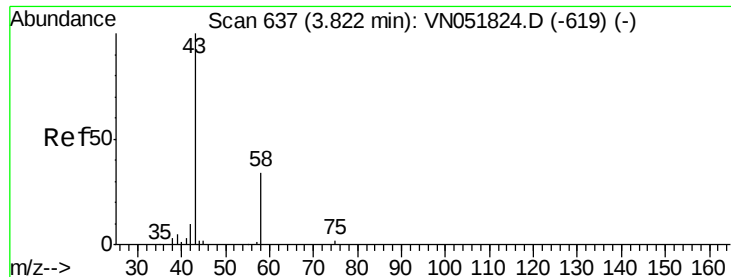
Ion Ratio Lower Upper

53 100

52 83.6 18.3 54.8#

51 37.5 19.7 59.1





#15

Acetone

Concen: 78.484 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 41540

Ion Ratio Lower Upper

58 100

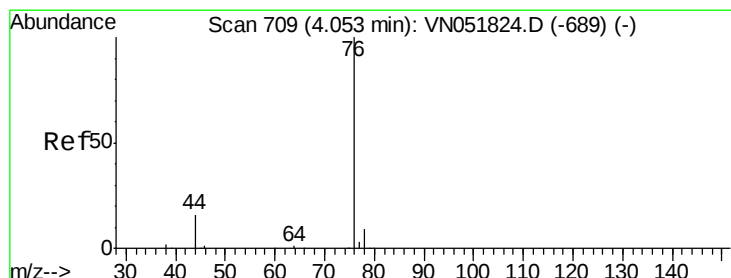
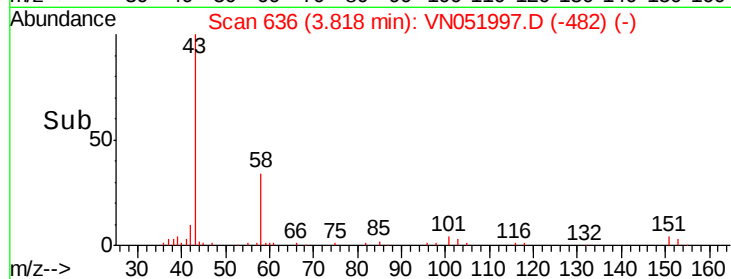
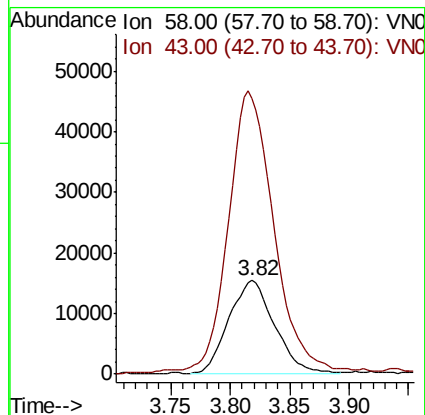
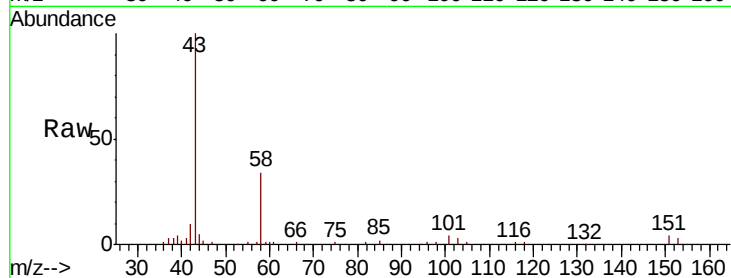
43 288.9 232.2 348.2

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#16

Carbon Disulfide

Concen: 15.803 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051997.D

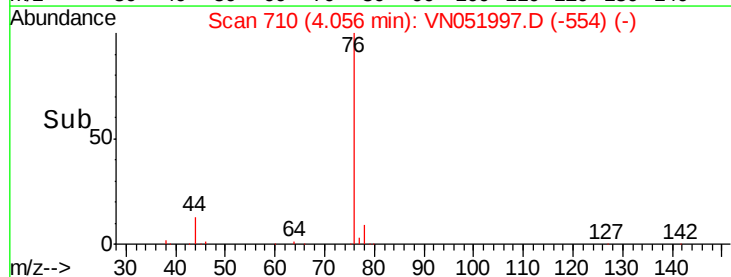
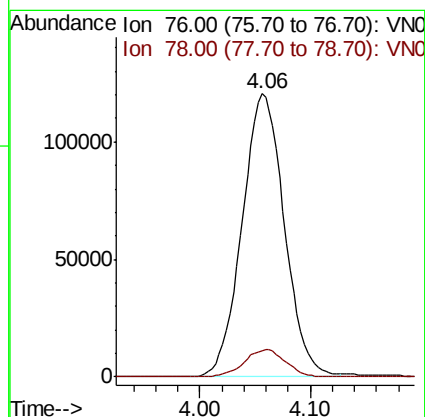
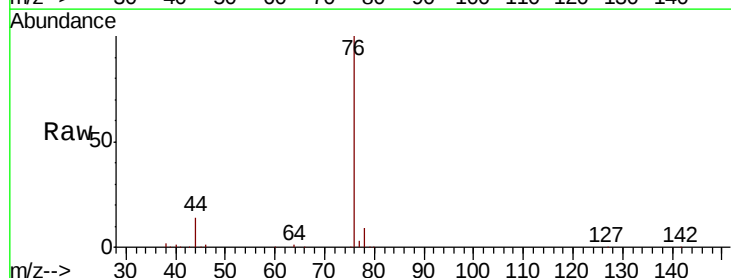
Acq: 24 Oct 2018 19:20

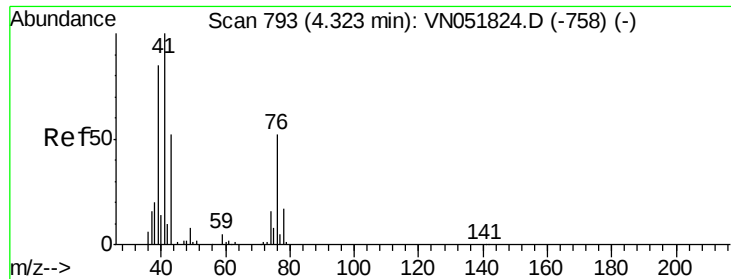
Tgt Ion: 76 Resp: 320179

Ion Ratio Lower Upper

76 100

78 9.4 6.7 10.1





#17

Allvl chloride

Concen: 15.757 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

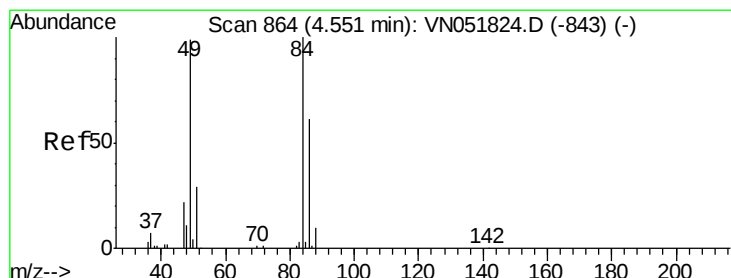
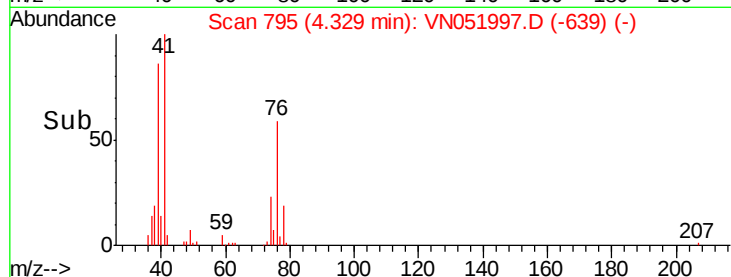
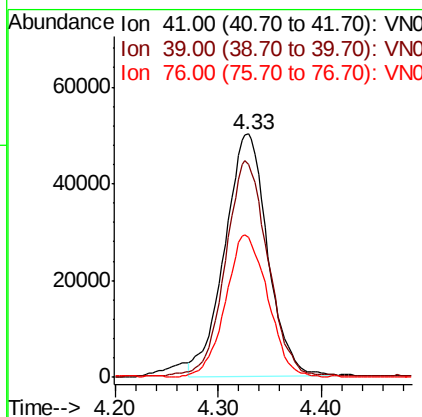
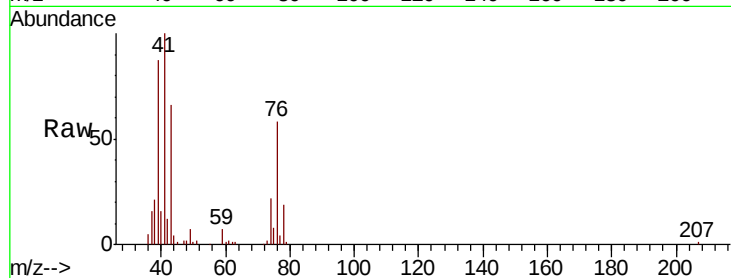
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	144322
Ion Ratio	Lower	Upper	
41	100		
39	87.3	32.6	97.8
76	57.8	20.2	60.5

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#18

Methylene Chloride

Concen: 21.376 ug/l

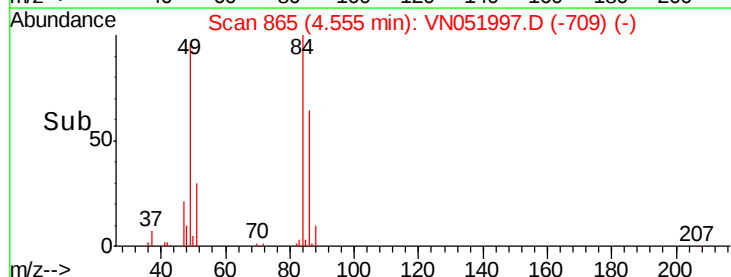
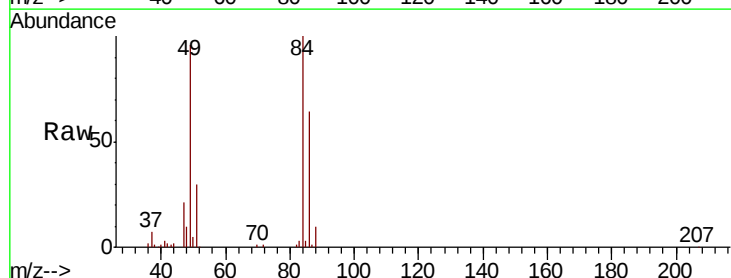
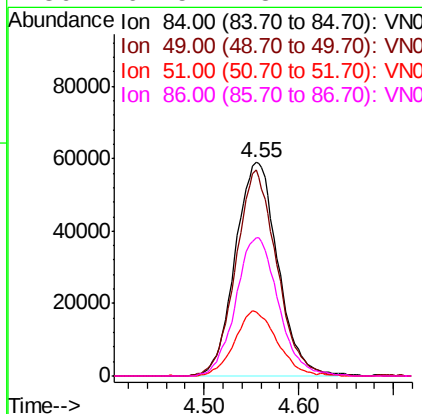
RT: 4.55 min Scan# 865

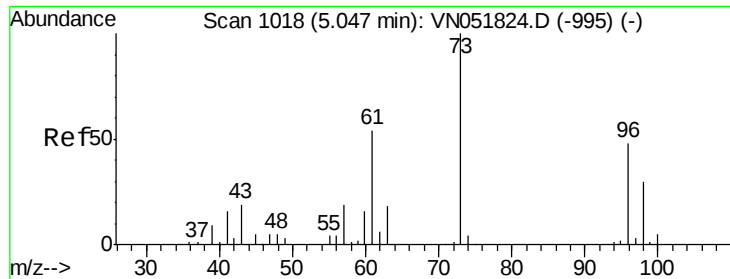
Delta R.T. 0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion:	84	Resp:	184383
Ion Ratio	Lower	Upper	
84	100		
49	96.0	91.6	137.4
51	29.8	29.8	44.6
86	64.5	48.2	72.4





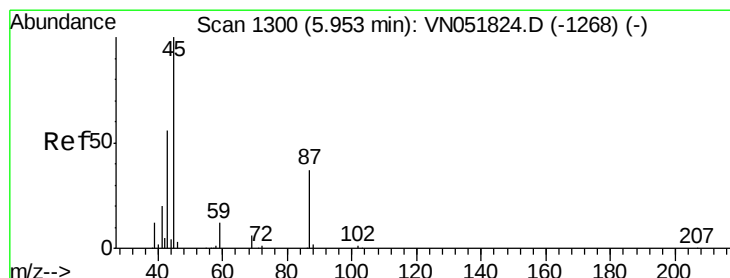
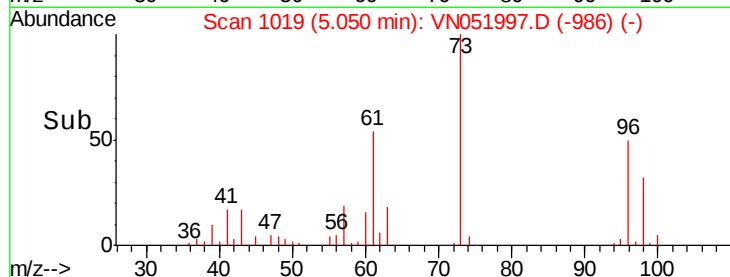
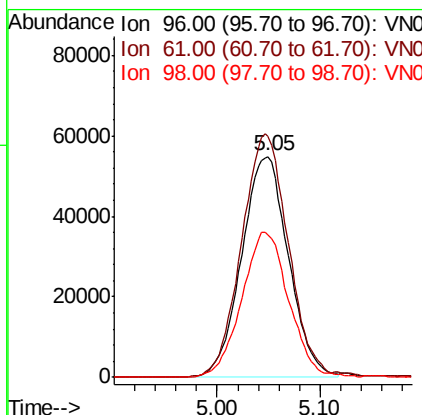
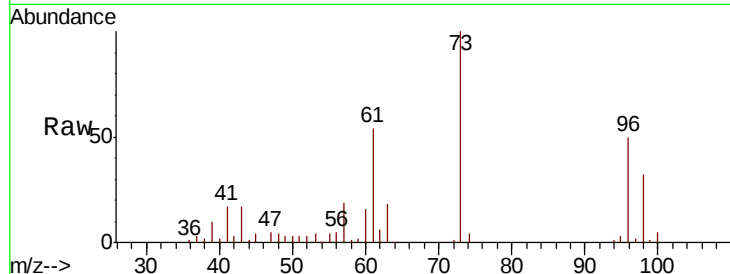
#19
trans-1,2-Dichloroethene
Concen: 19.670 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	108.5	112.3	168.5#
98	64.2	47.1	70.7

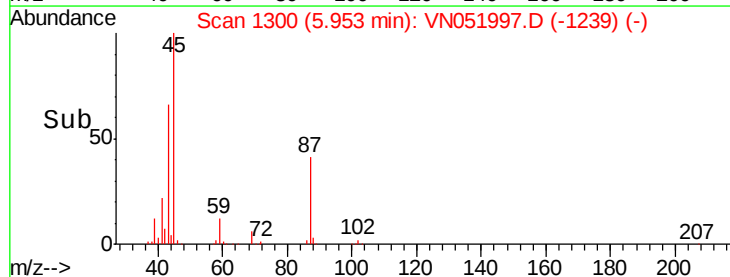
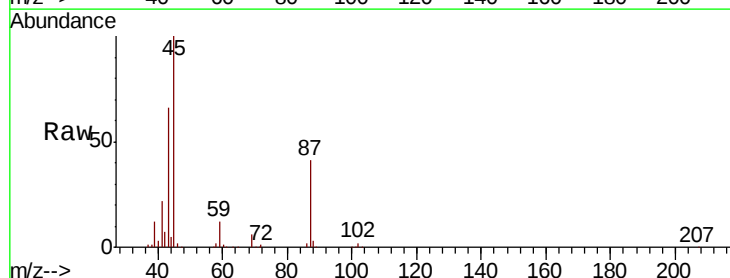
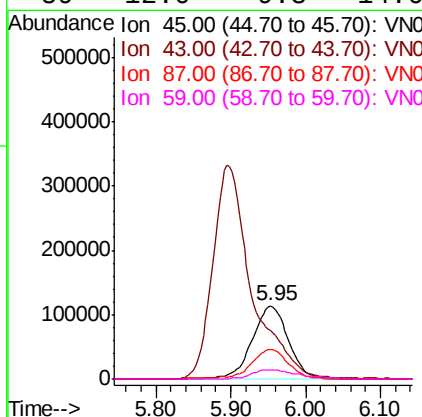
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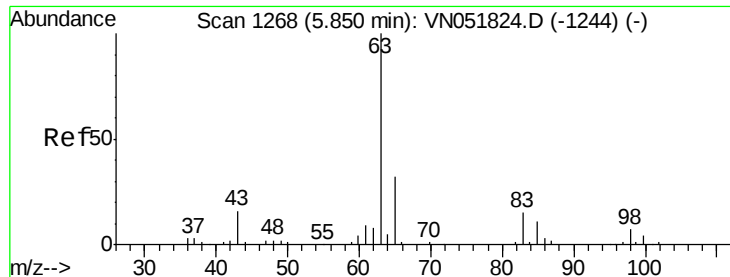
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#20
Diisopropyl ether
Concen: 18.674 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	62.1	93.1
87	40.6	19.9	29.9#
59	12.0	9.8	14.6





#21

1,1-Dichloroethane

Concen: 19.112 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

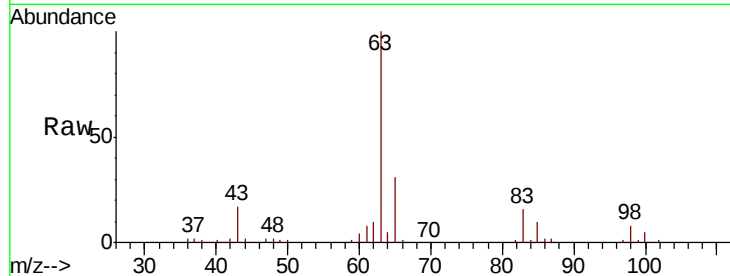
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	272411
Ion Ratio	Lower	Upper	
63	100		
98	8.1	4.1	12.3
100	5.1	1.6	4.7#

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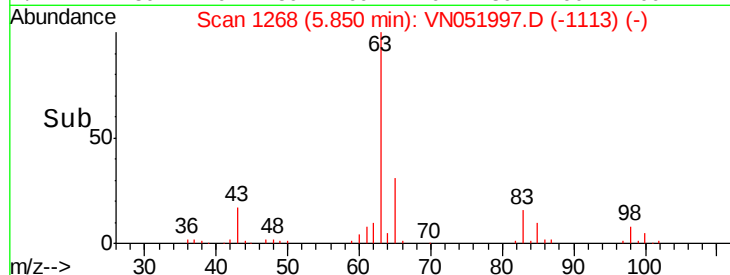


Abundance Ion 63.00 (62.70 to 63.70): VN051824.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-1244) (-)

Time--> 5.70 5.80 5.90

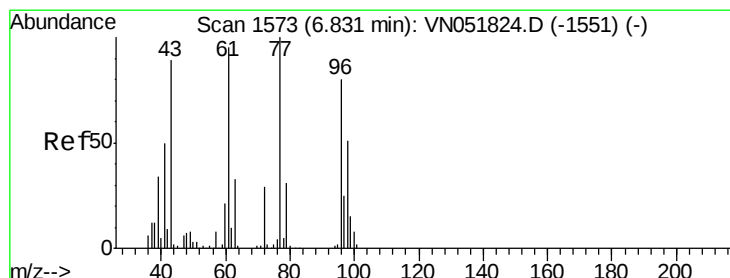


Abundance Ion 63.00 (62.70 to 63.70): VN051997.D (-1113) (-)

Ion 98.00 (97.70 to 98.70): VN051997.D (-1113) (-)

Ion 100.00 (99.70 to 100.70): VN051997.D (-1113) (-)

Time--> 5.70 5.80 5.90



#22

cis-1,2-Dichloroethene

Concen: 20.118 ug/l

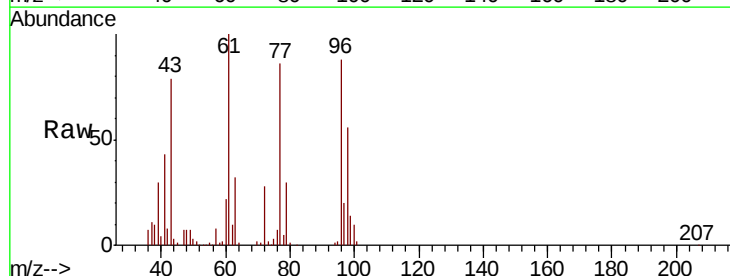
RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion:	96	Resp:	208155
Ion Ratio	Lower	Upper	
96	100		
61	114.2	124.5	186.7#
98	64.5	51.9	77.9

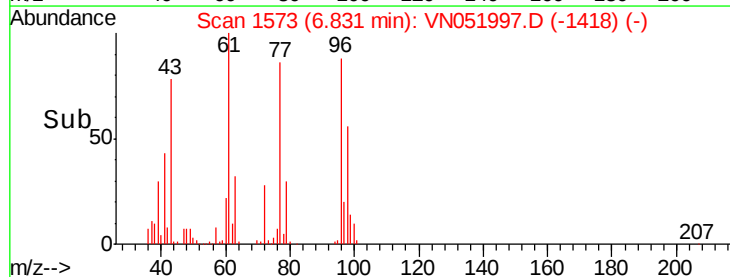


Abundance Ion 96.00 (95.70 to 96.70): VN051824.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN051824.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1551) (-)

Time--> 6.70 6.80 6.90

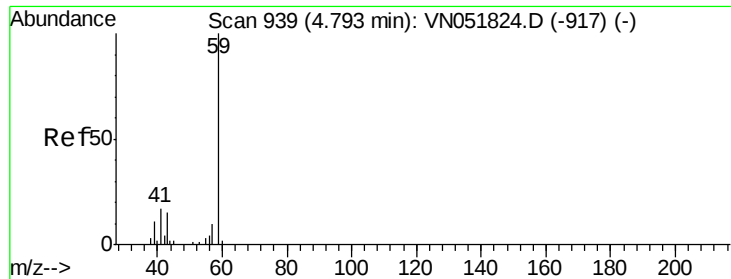


Abundance Ion 96.00 (95.70 to 96.70): VN051997.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN051997.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN051997.D (-1418) (-)

Time--> 6.70 6.80 6.90



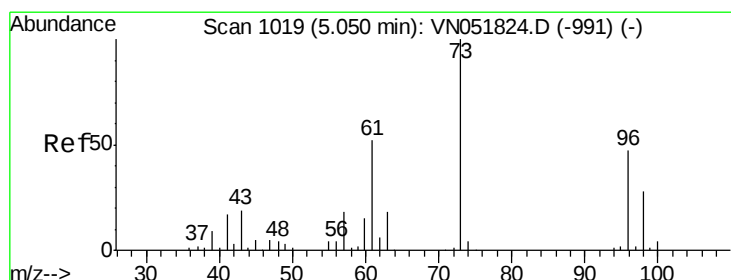
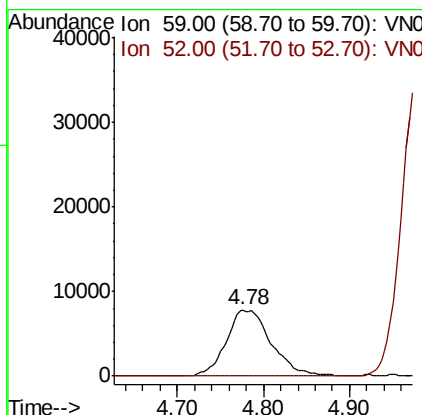
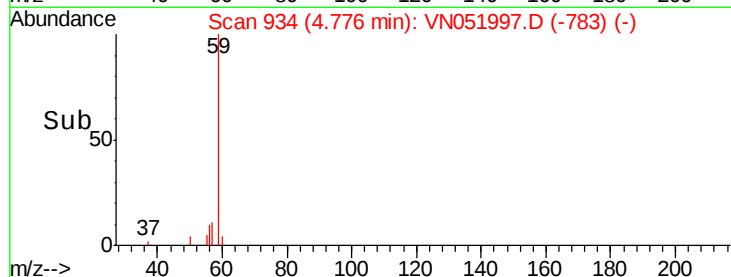
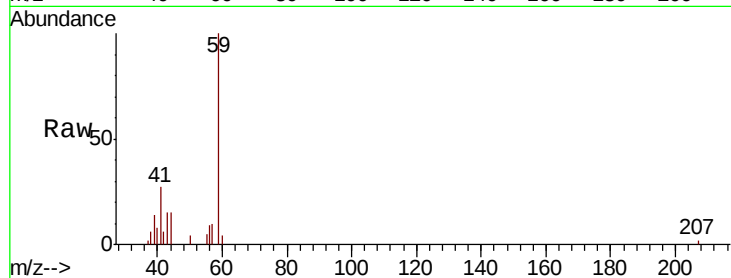
#23
tert-Butyl Alcohol
Concen: 50.068 ug/l m
RT: 4.78 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 59 Resp: 28233
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0#

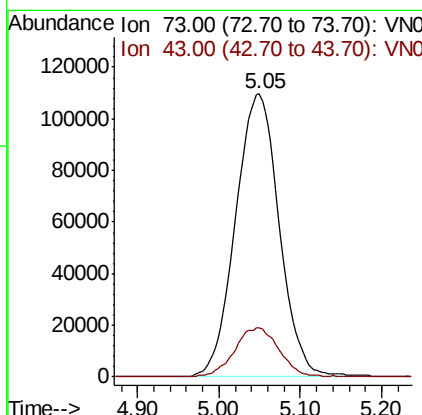
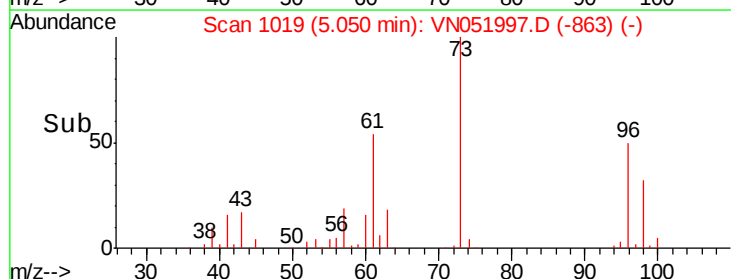
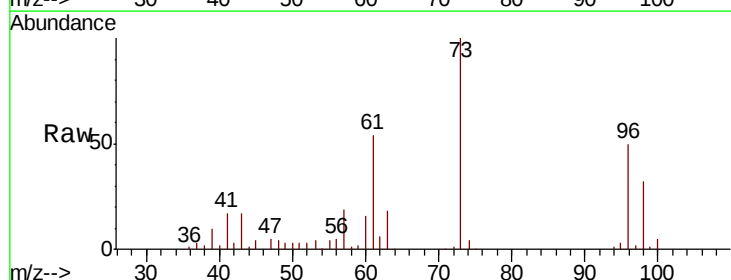
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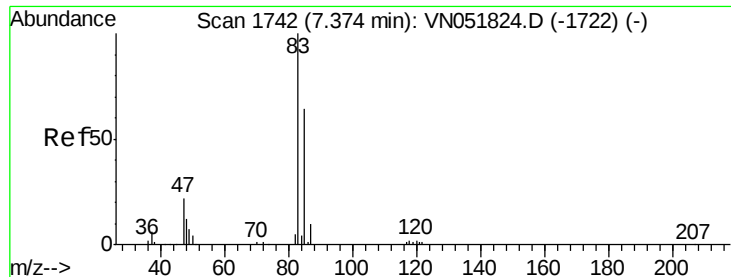
apatel
10/25/2018 9:24:32 AM



#24
Methyl tert-Butyl Ether
Concen: 18.267 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 73 Resp: 406010
Ion Ratio Lower Upper
73 100
43 7.6 5.4 8.0





#25

Chloroform

Concen: 19.909 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 336653

Ion Ratio Lower Upper

83 100

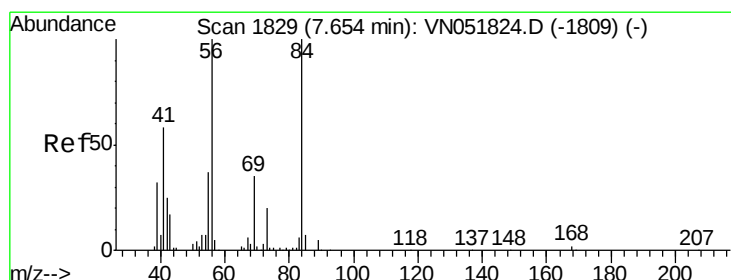
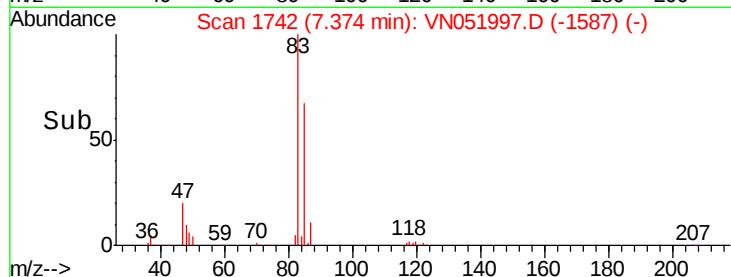
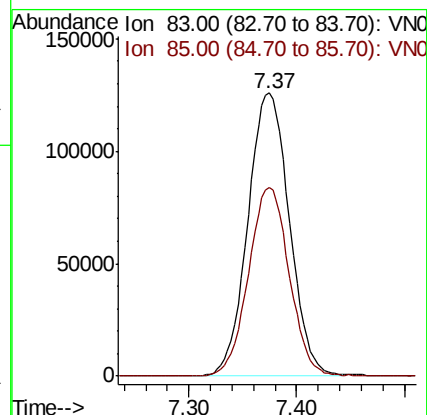
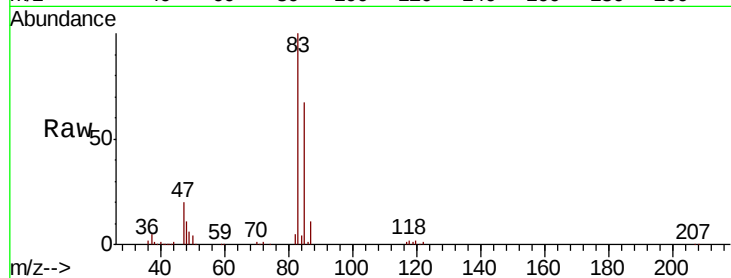
85 66.6 54.6 82.0

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#26

Cyclohexane

Concen: 17.335 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

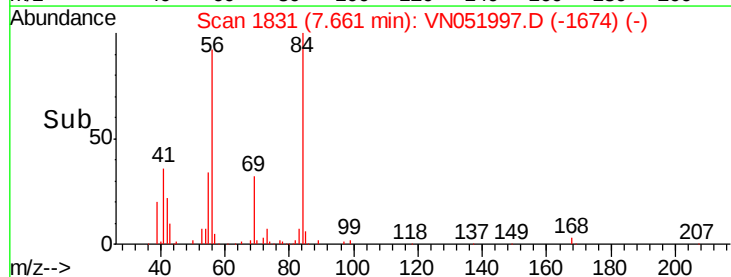
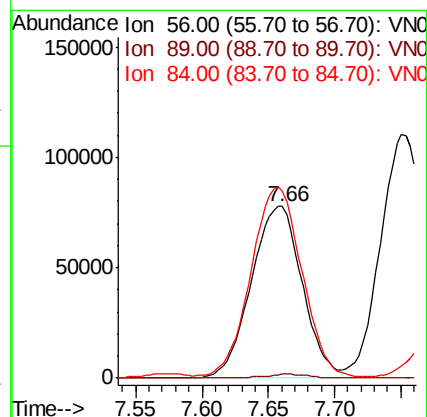
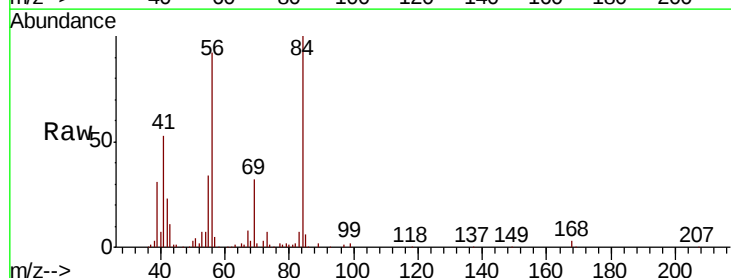
Tgt Ion: 56 Resp: 209476

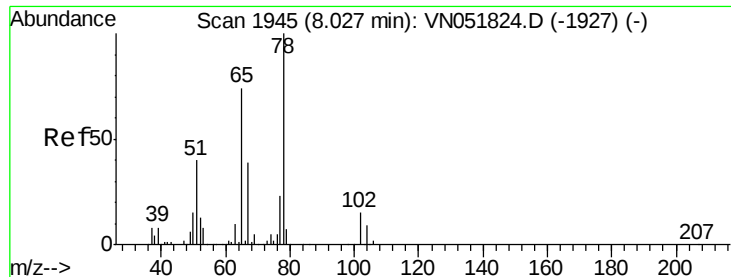
Ion Ratio Lower Upper

56 100

89 1.6 1.5 2.3

84 109.6 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 17.335 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 292278

Ion Ratio Lower Upper

65 100

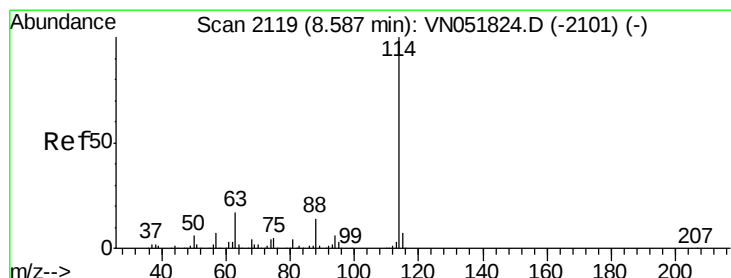
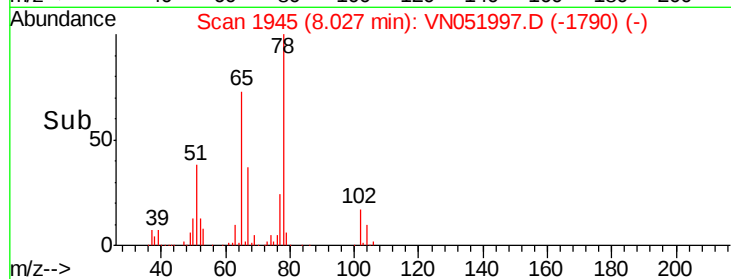
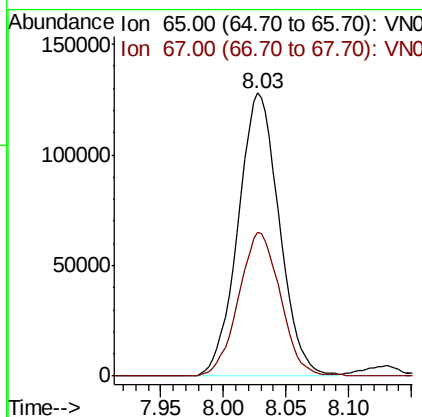
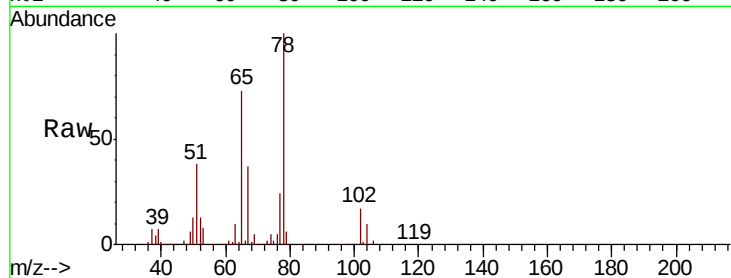
67 51.4 41.8 62.8

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

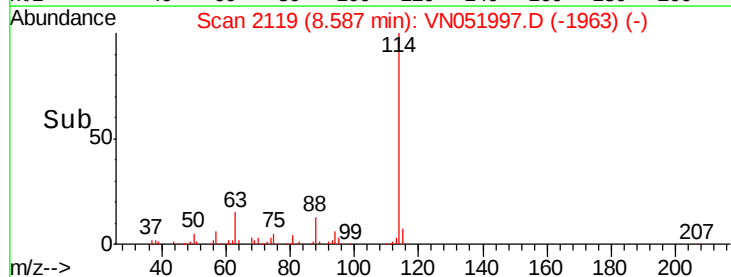
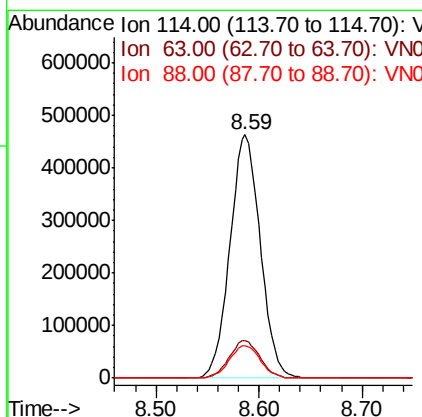
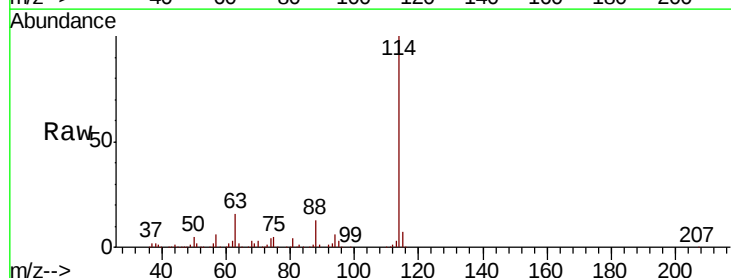
Tgt Ion: 114 Resp: 949384

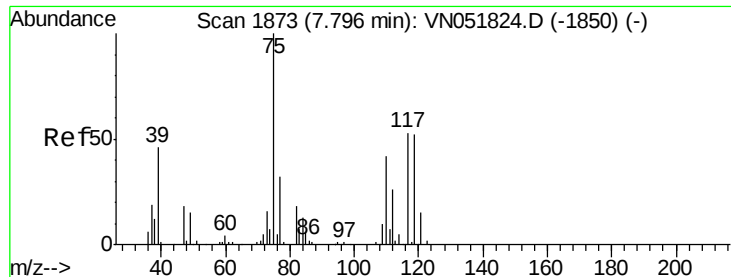
Ion Ratio Lower Upper

114 100

63 15.6 16.2 24.2#

88 13.7 12.2 18.4





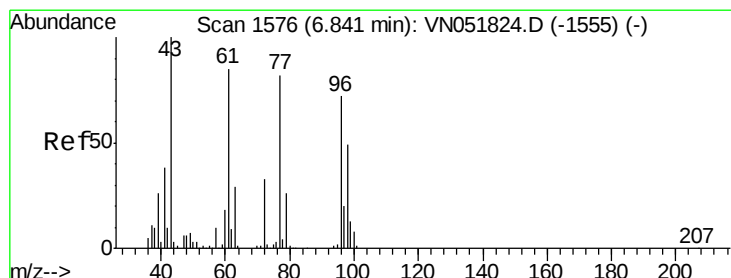
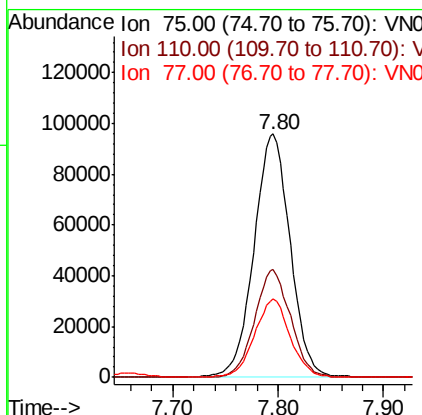
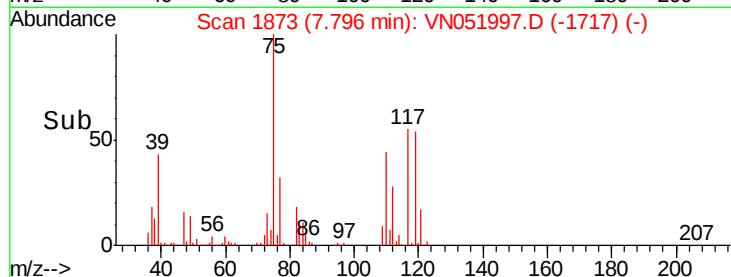
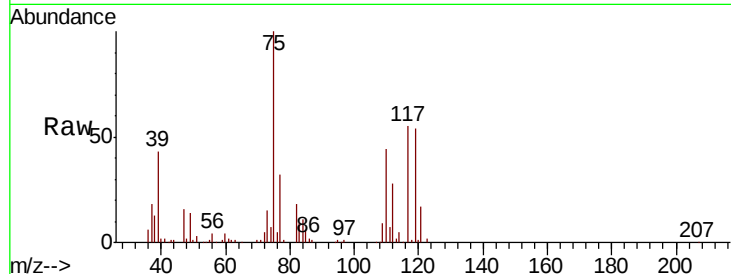
#29
 1,1-Dichloropropene
 Concen: 18.715 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	43.6	0.0	70.8
77	31.6	0.0	61.6

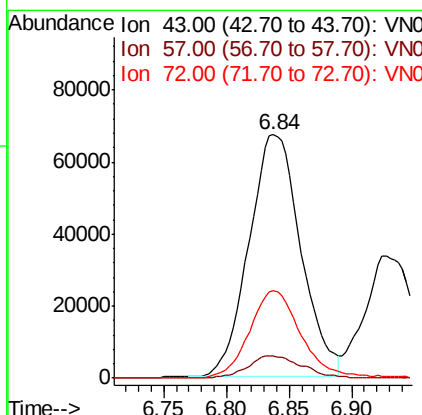
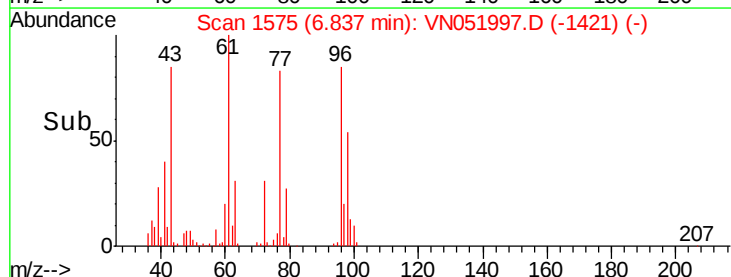
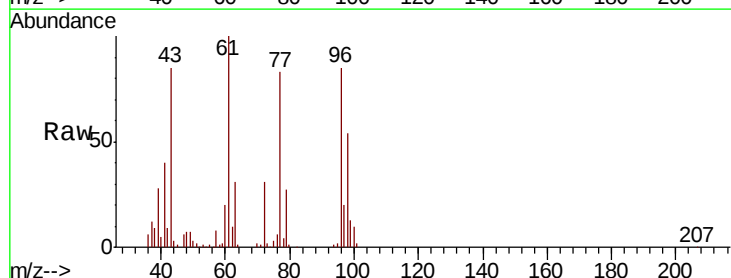
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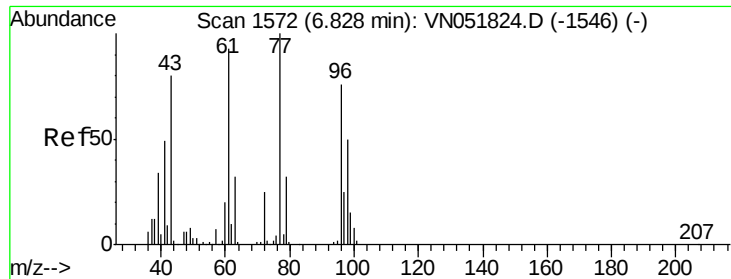
apatel
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#30
 2-Butanone
 Concen: 75.712 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.7	4.5	6.7#
72	35.5	21.5	32.3#





#31

2,2-Dichloropropane

Concen: 15.910 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 229041

Ion Ratio Lower Upper

77 100

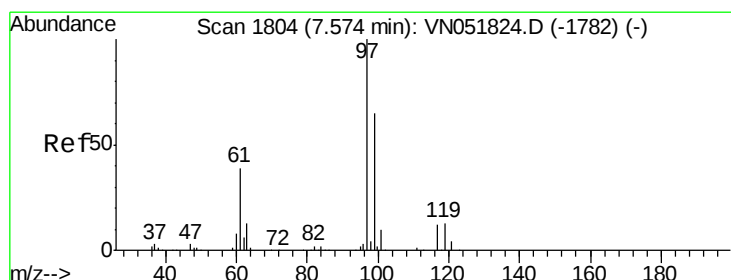
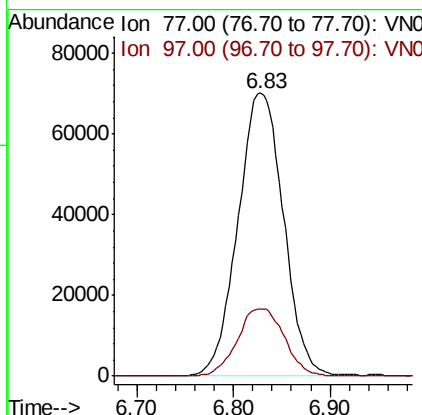
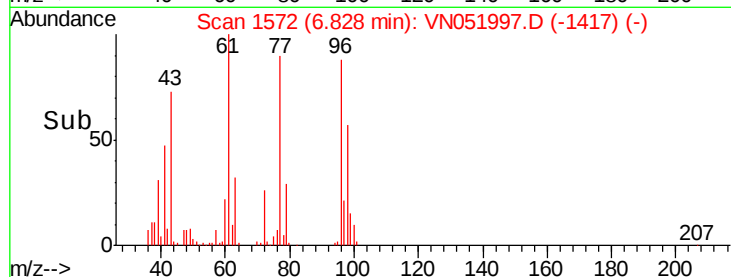
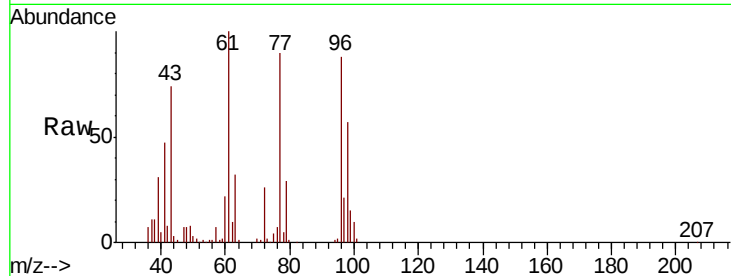
97 24.6 12.0 18.0#

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#32

1,1,1-Trichloroethane

Concen: 18.619 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

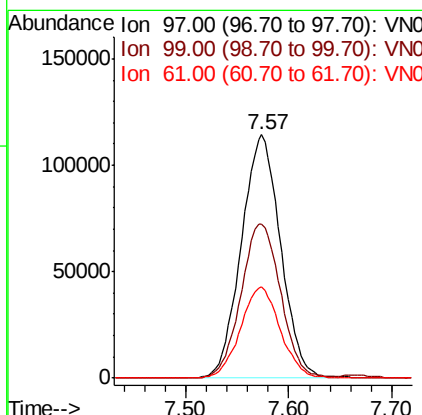
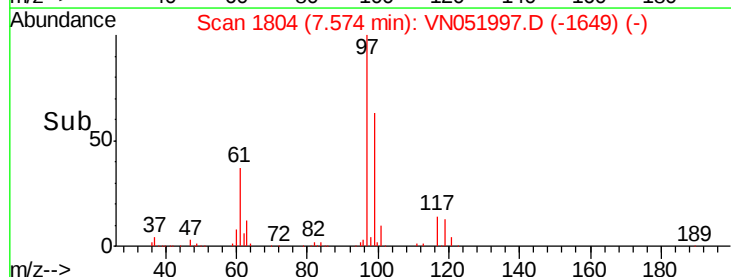
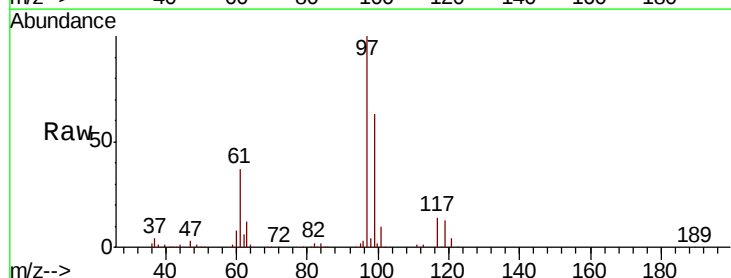
Tgt Ion: 97 Resp: 302080

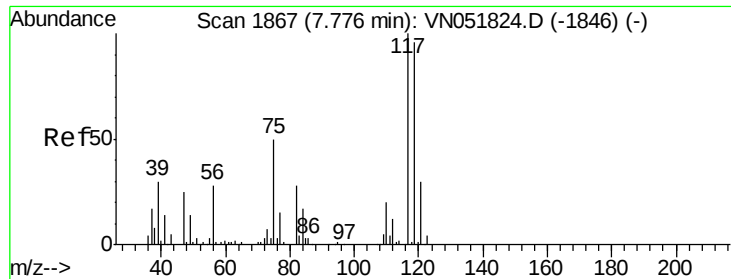
Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 37.8 37.4 56.0





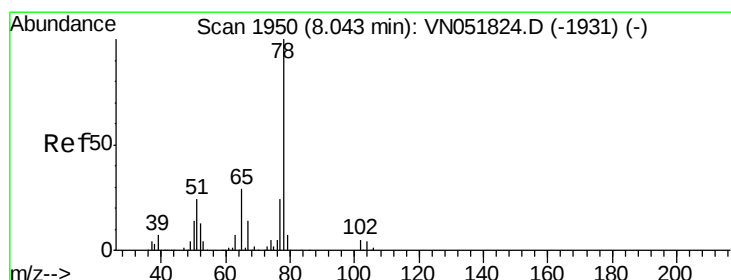
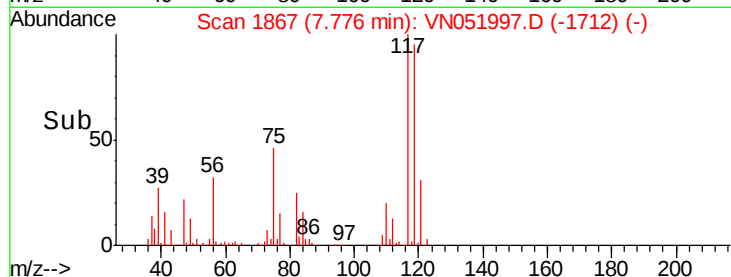
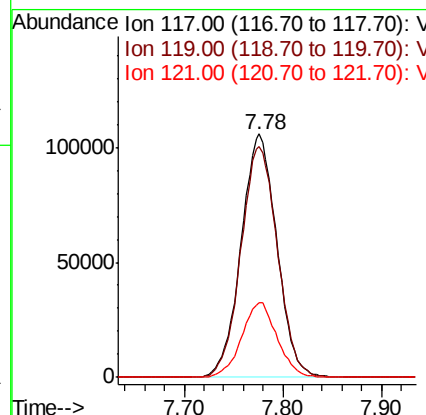
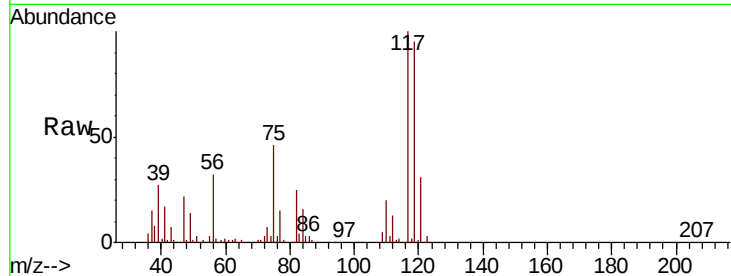
#33
Carbon Tetrachloride
Concen: 18.115 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	85.1	127.7
121	30.9	24.2	36.2

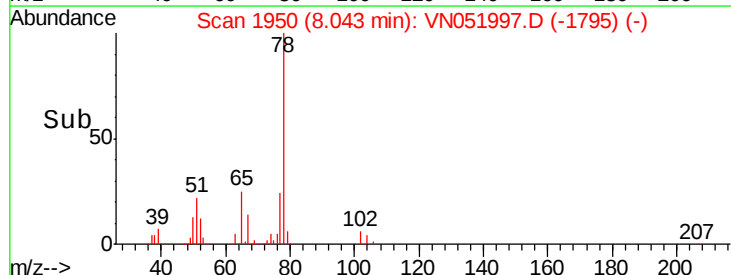
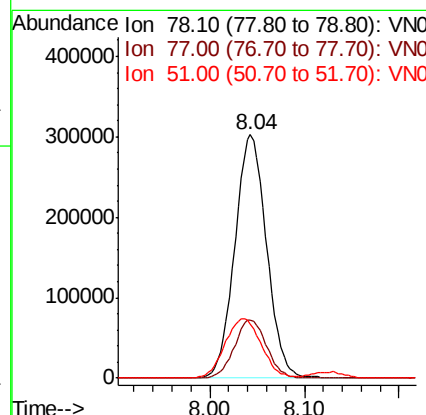
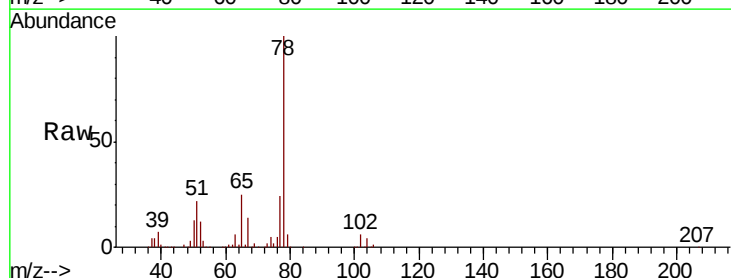
Manual Integrations
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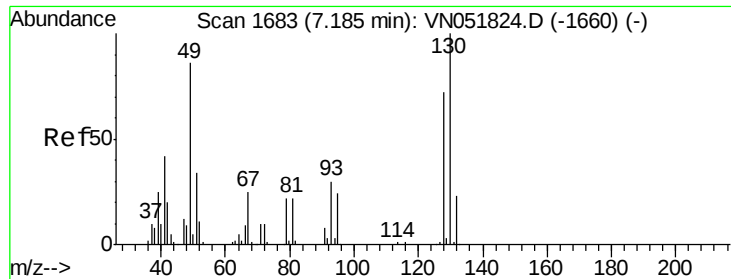
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#34
Benzene
Concen: 19.490 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2
51	21.8	46.2	69.4#





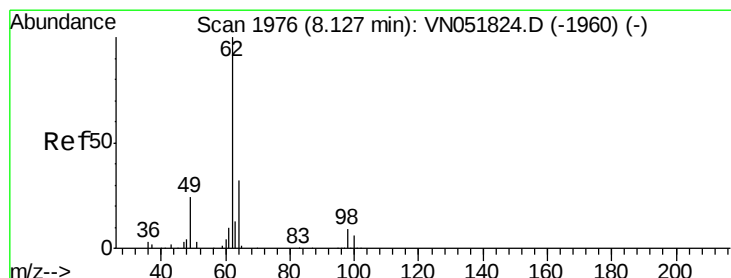
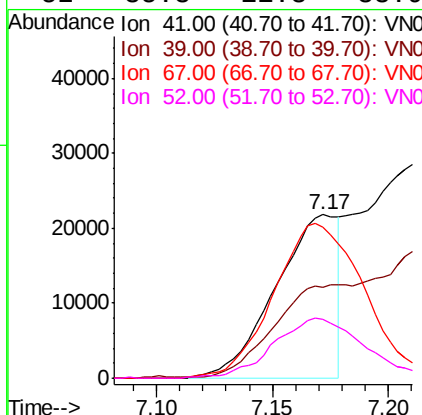
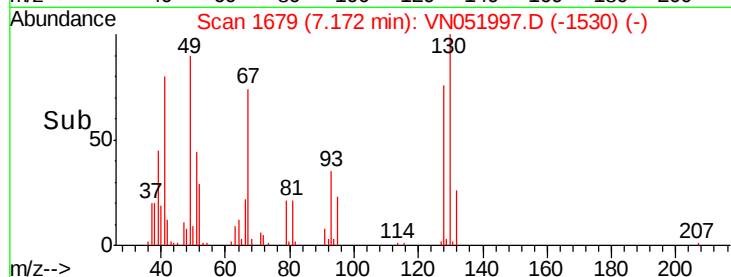
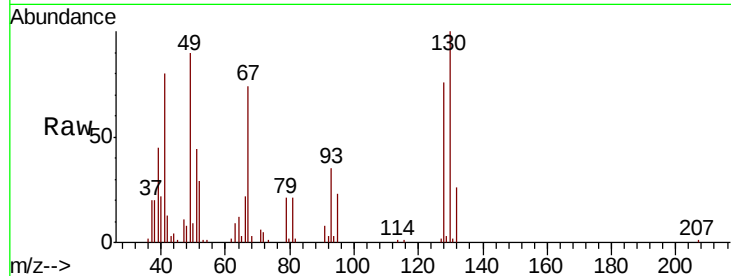
#35
Methacrylonitrile
Concen: 12.191 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.1	22.6	67.7
67	91.7	28.9	86.8#
52	35.3	11.3	33.9#

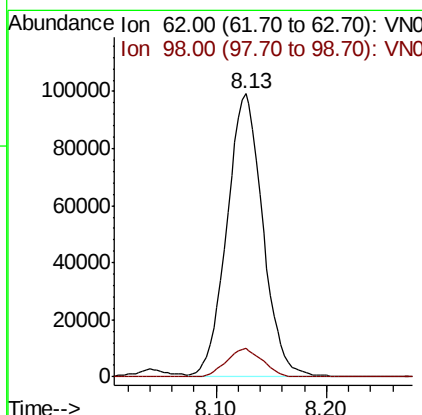
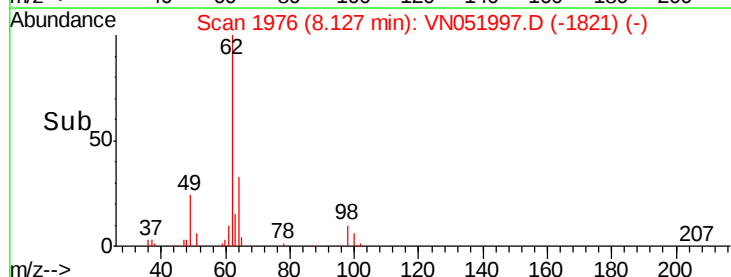
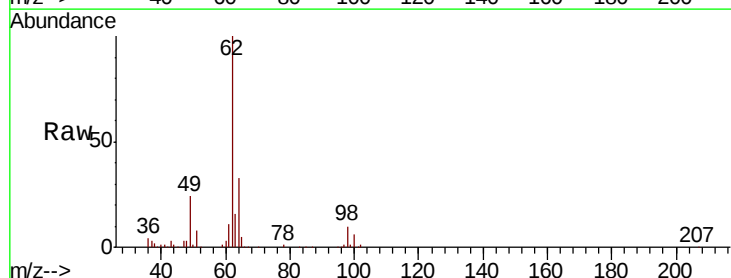
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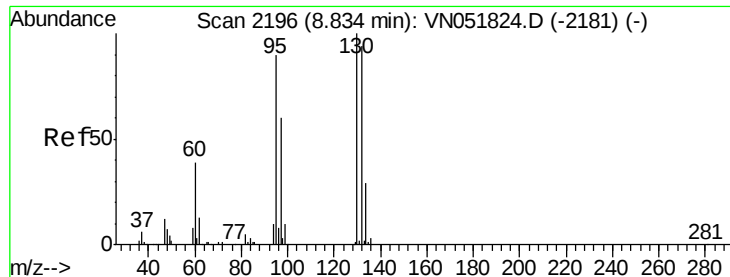
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#36
1,2-Dichloroethane
Concen: 19.197 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	6.9	10.3





#37

Trichloroethene

Concen: 20.105 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 225916

Ion Ratio Lower Upper

130 100

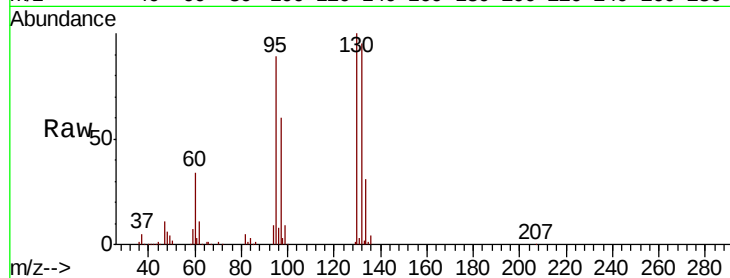
95 88.8 76.4 114.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN051824.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN051824.D (-2181) (-)

8.84

120000

100000

80000

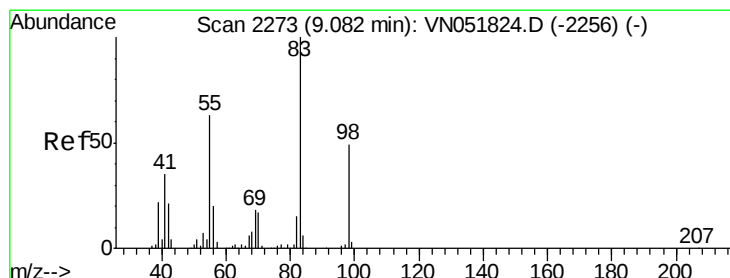
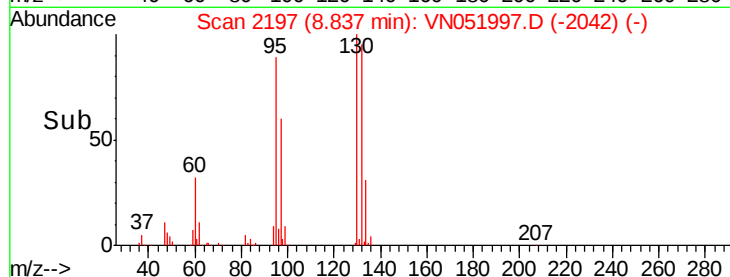
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 17.029 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

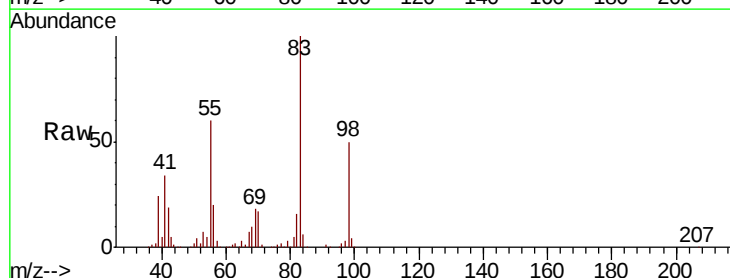
Tgt Ion: 83 Resp: 267288

Ion Ratio Lower Upper

83 100

55 60.7 43.0 129.2

98 49.9 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2256) (-)

Ion 55.00 (54.70 to 55.70): VN051824.D (-2256) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-2256) (-)

9.08

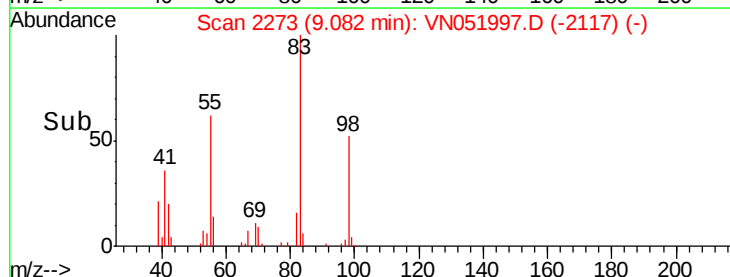
150000

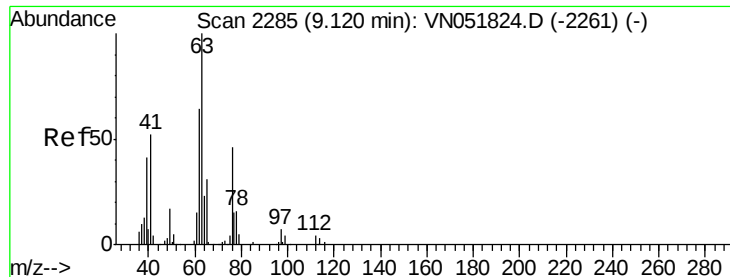
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 18.954 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 161580

Ion Ratio Lower Upper

63 100

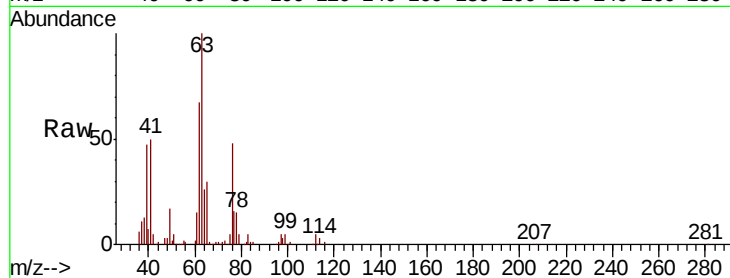
65 30.2 23.2 34.8

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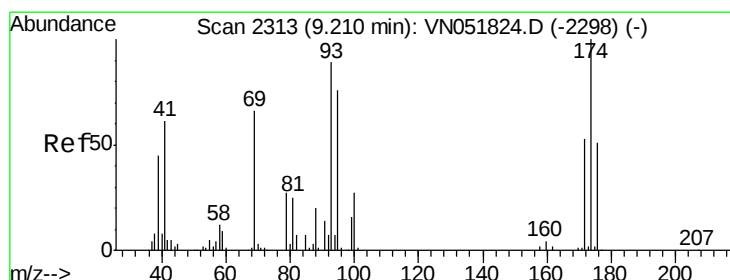
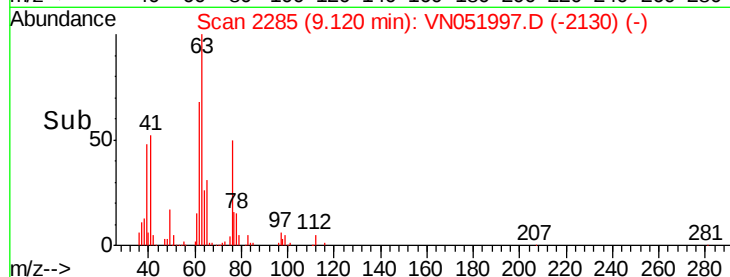
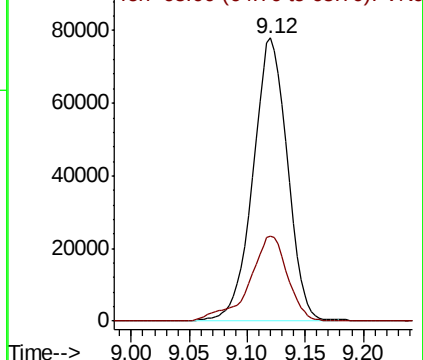
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.772 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

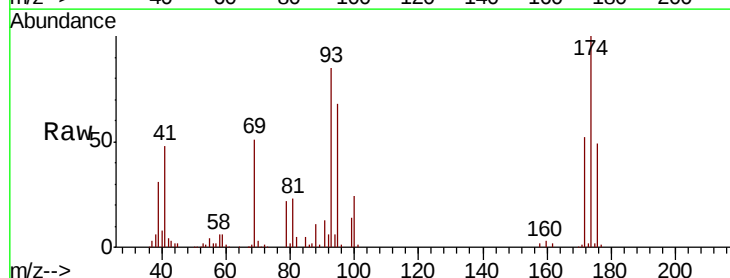
Tgt Ion: 93 Resp: 125099

Ion Ratio Lower Upper

93 100

95 82.1 0.0 162.0

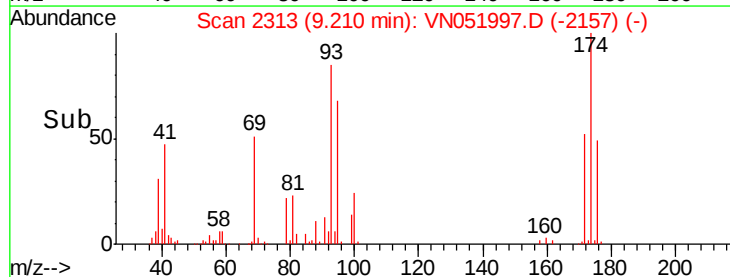
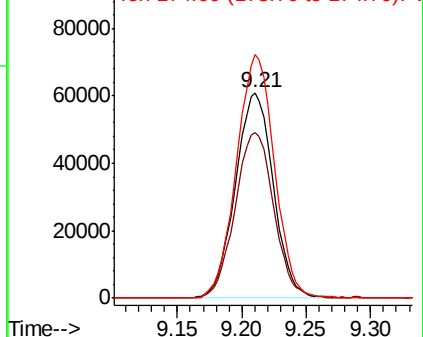
174 118.1 0.0 214.0

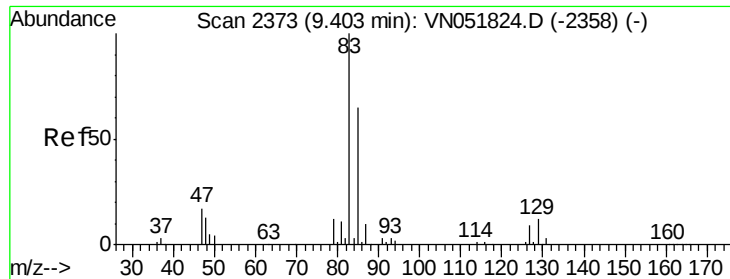


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 17.786 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

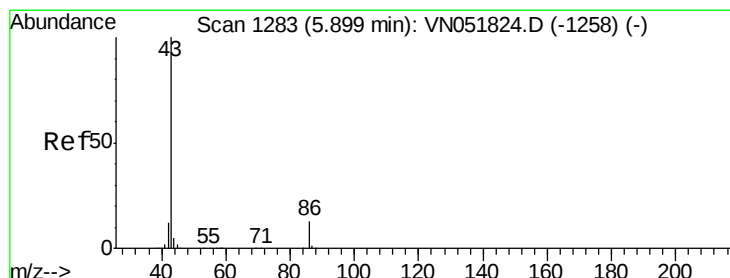
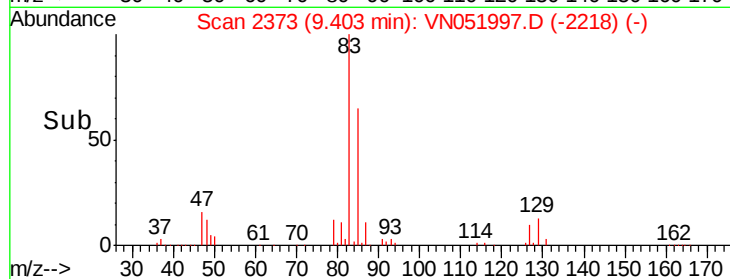
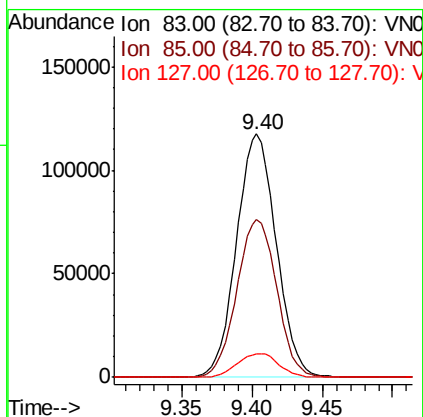
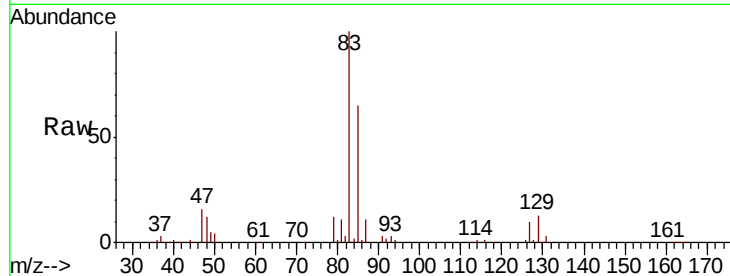
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	232438
Ion	Ratio	Lower	Upper
83	100		
85	64.7	55.7	83.5
127	11.0	8.2	12.4

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#42

Vinyl Acetate

Concen: 82.804 ug/l

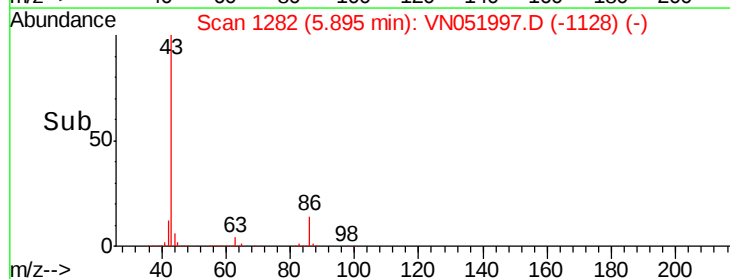
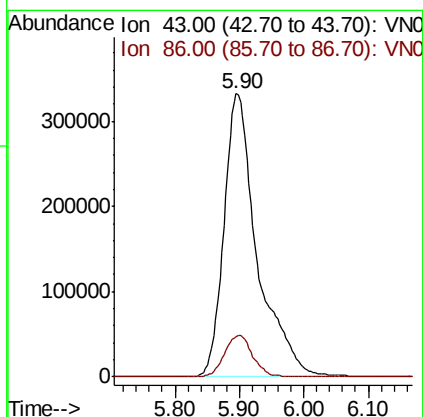
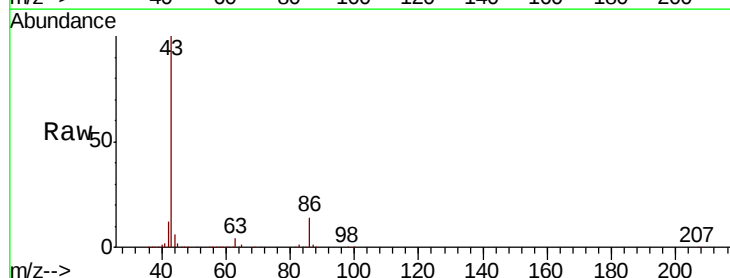
RT: 5.90 min Scan# 1282

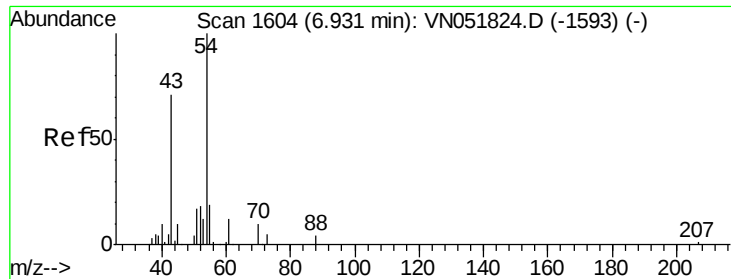
Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion:	43	Resp:	1192272
Ion	Ratio	Lower	Upper
43	100		
86	12.3	6.5	9.7#





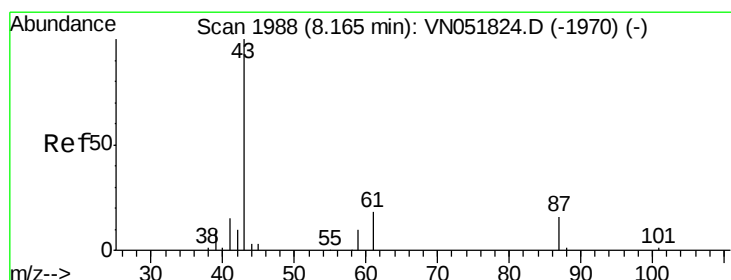
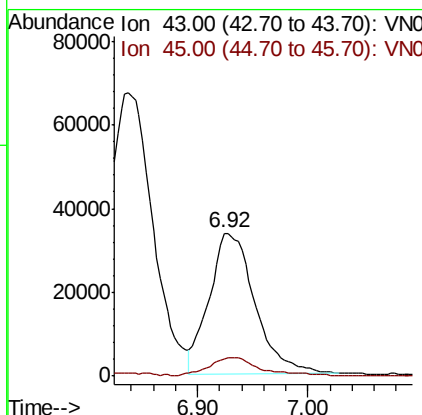
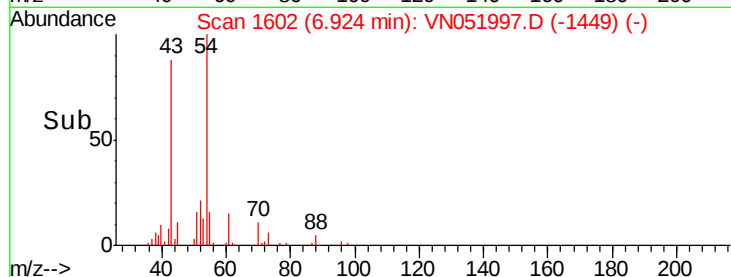
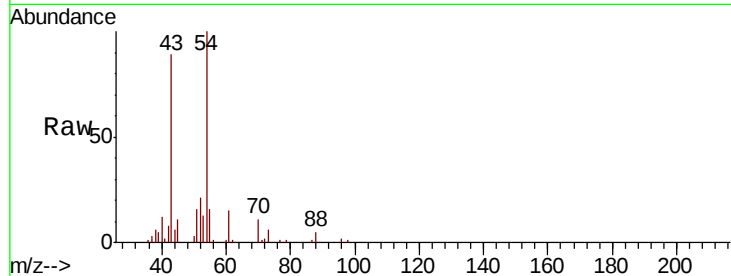
#43
Ethyl Acetate
Concen: 17.412 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 96705
Ion Ratio Lower Upper
43 100
45 12.6 11.0 16.6

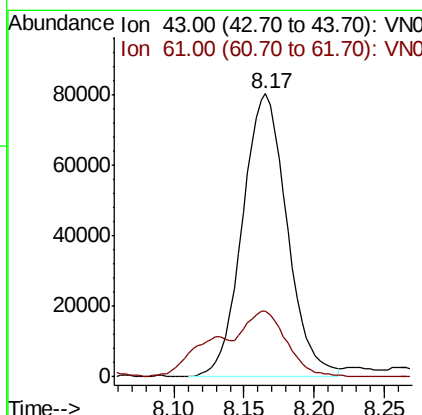
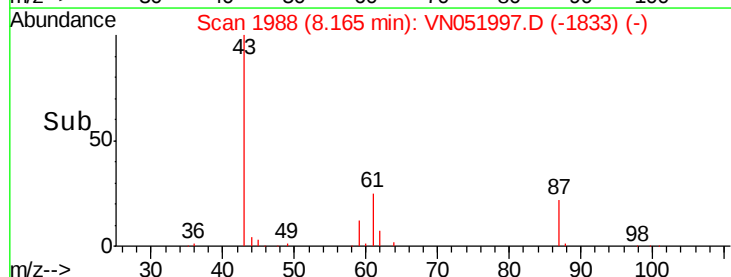
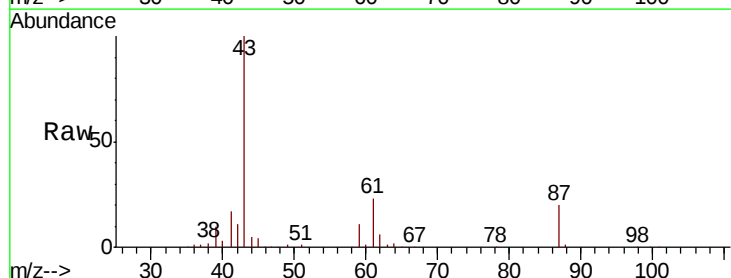
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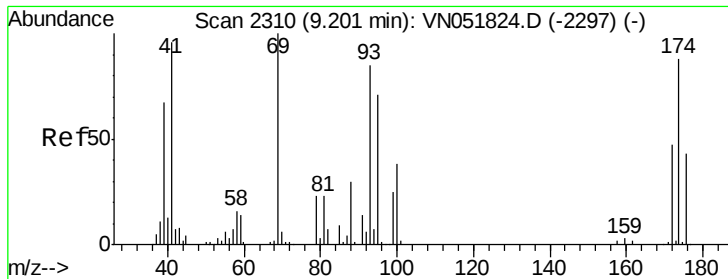
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#44
Isopropyl Acetate
Concen: 15.946 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 43 Resp: 176892
Ion Ratio Lower Upper
43 100
61 22.8 15.9 23.9





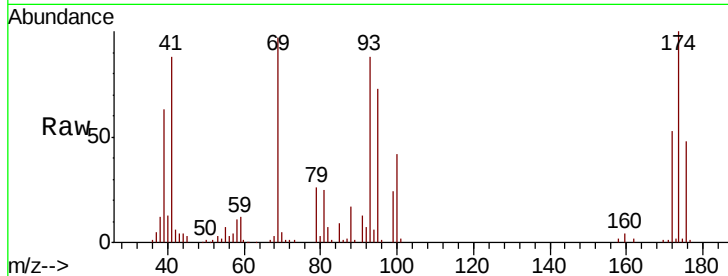
#45
 1,4-Dioxane
 Concen: 227.684 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

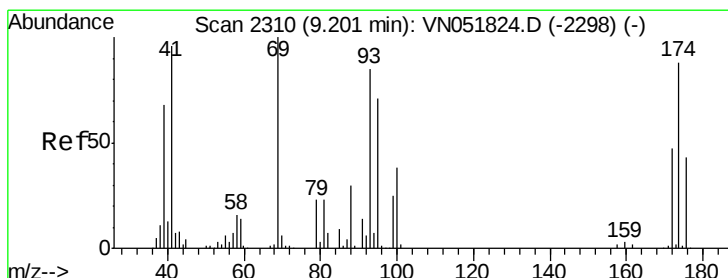
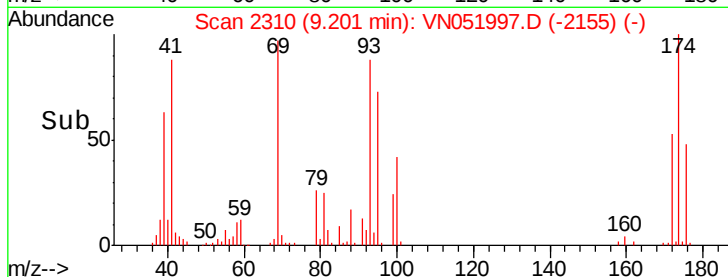
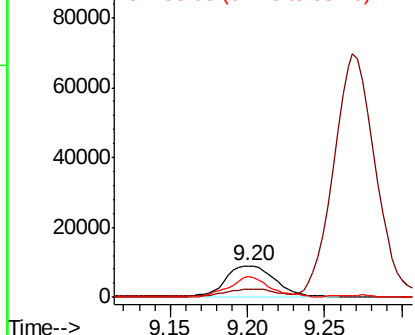
Tot Ion	Ratio	Lower	Upper
88	100		
43	19.4	26.2	39.2#
58	54.1	65.6	98.4#

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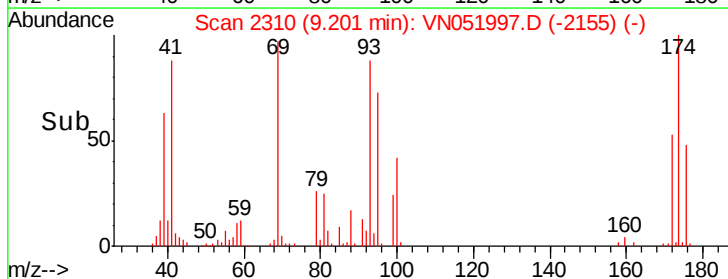
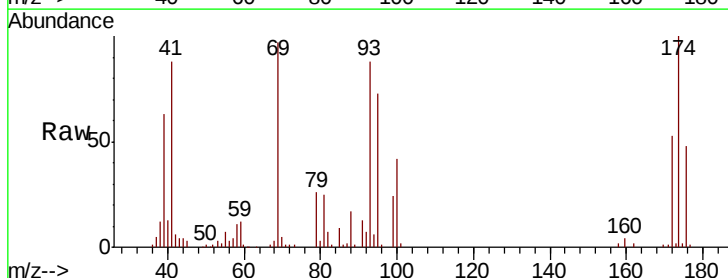
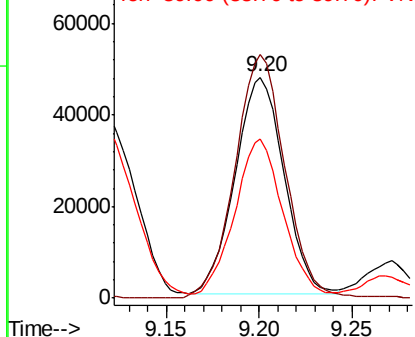
Abundance Ion 88.00 (87.70 to 88.70): VN051824.D (-2297) (-)
 Ion 43.00 (42.70 to 43.70): VN051824.D (-2297) (-)
 Ion 58.00 (57.70 to 58.70): VN051824.D (-2297) (-)

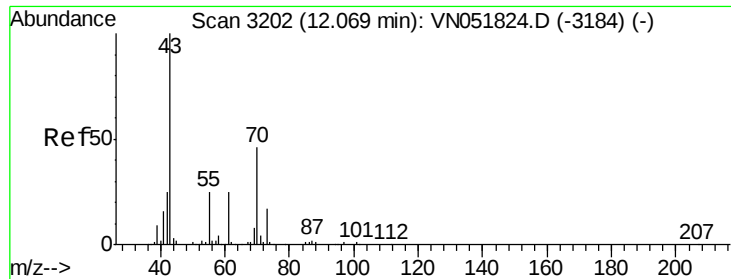


#46
 Methyl methacrylate
 Concen: 16.867 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	111.2	40.7	122.1
39	71.5	27.3	81.9

Abundance Ion 41.00 (40.70 to 41.70): VN051824.D (-2298) (-)
 Ion 69.00 (68.70 to 69.70): VN051824.D (-2298) (-)
 Ion 39.00 (38.70 to 39.70): VN051824.D (-2298) (-)





#47

n-amvl Acetate

Concen: 16.510 ug/l m

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDC020EC

Tot Ion: 43 Resp: 153325

Ion Ratio Lower Upper

43 100

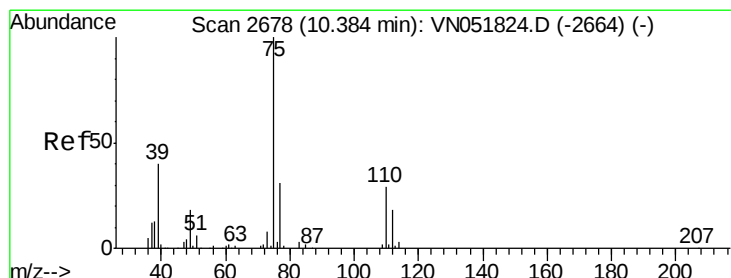
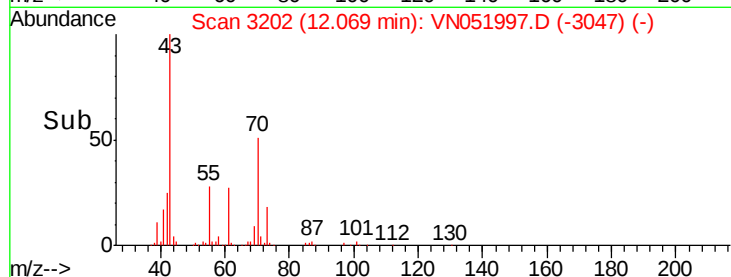
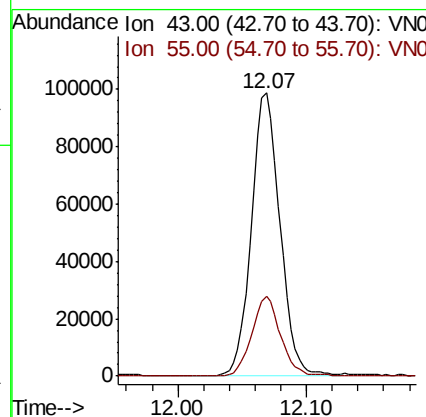
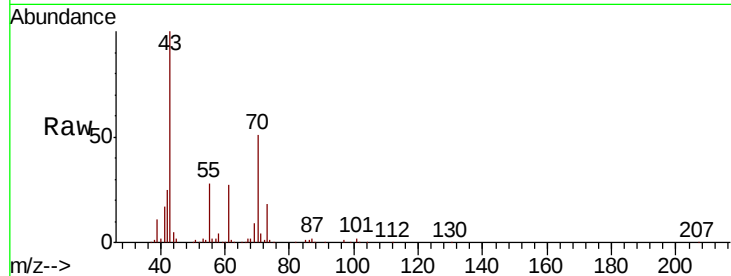
55 0.2 12.2 18.4#

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#48

t-1,3-Dichloropropene

Concen: 16.451 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051997.D

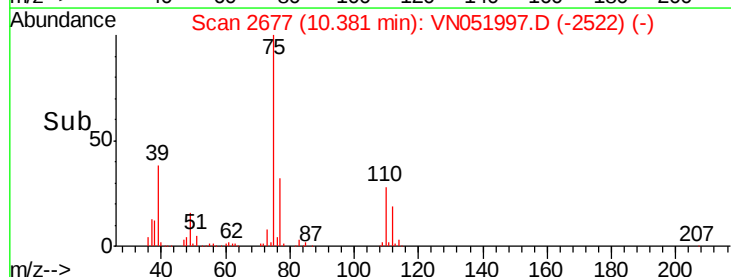
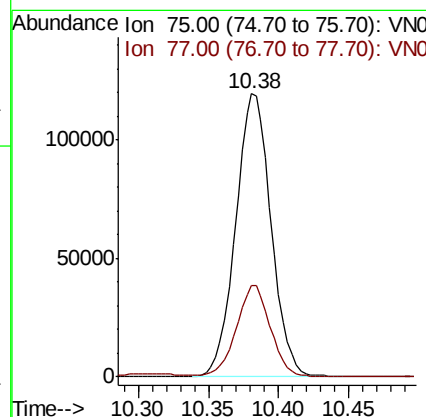
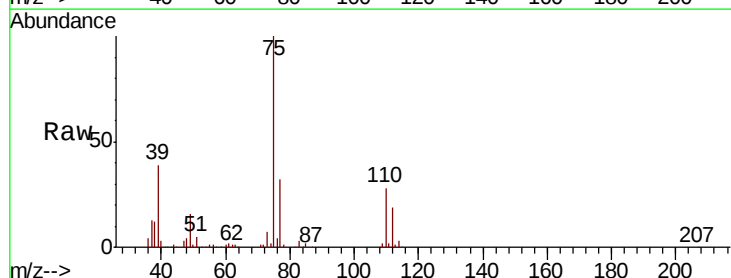
Acq: 24 Oct 2018 19:20

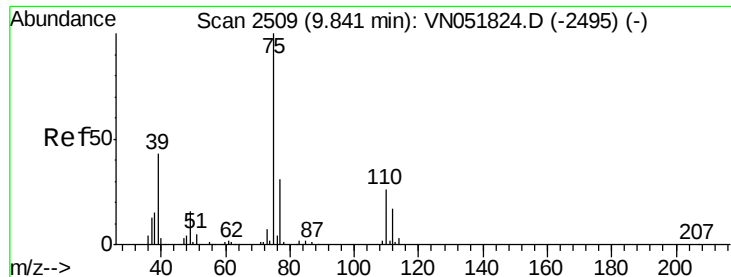
Tgt Ion: 75 Resp: 209650

Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 17.235 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

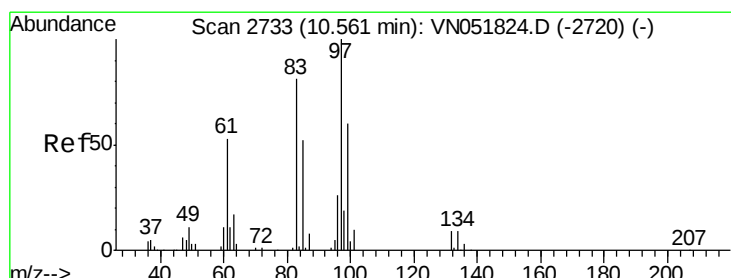
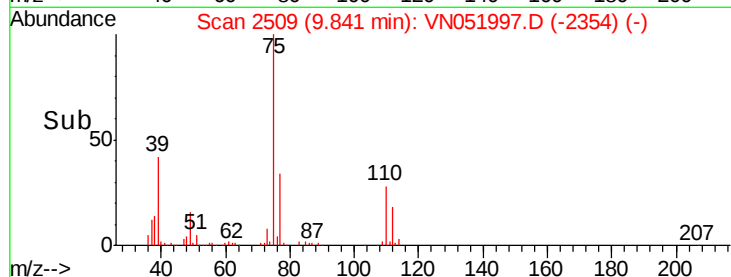
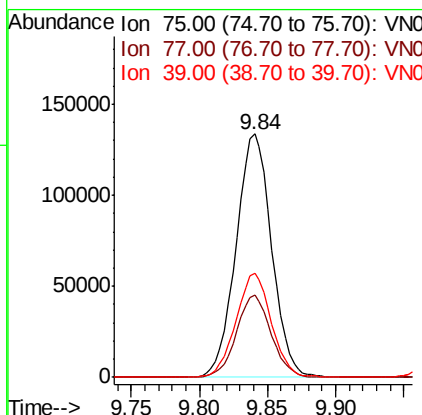
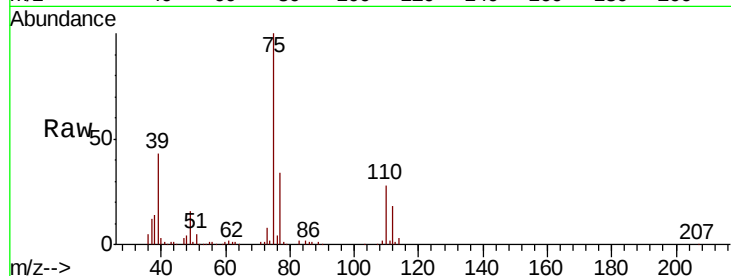
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	242136
Ion Ratio	Lower	Upper	
75	100		
77	33.6	23.2	34.8
39	42.5	34.6	52.0

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#50

1,1,2-Trichloroethane

Concen: 19.652 ug/l

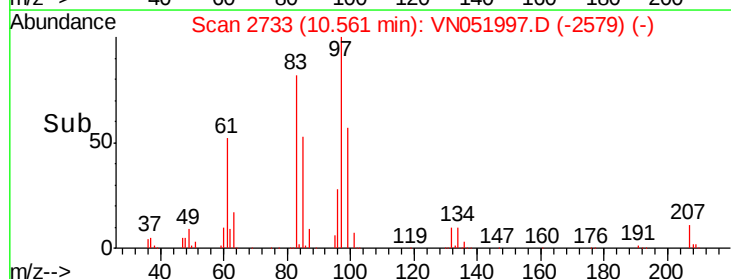
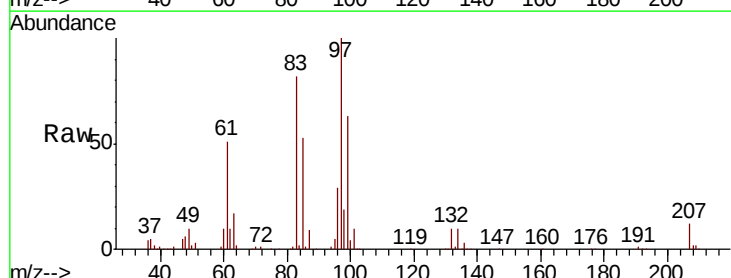
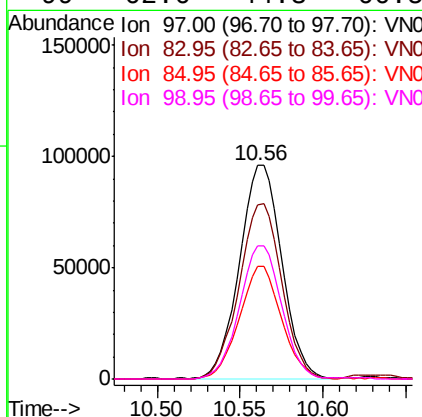
RT: 10.56 min Scan# 2733

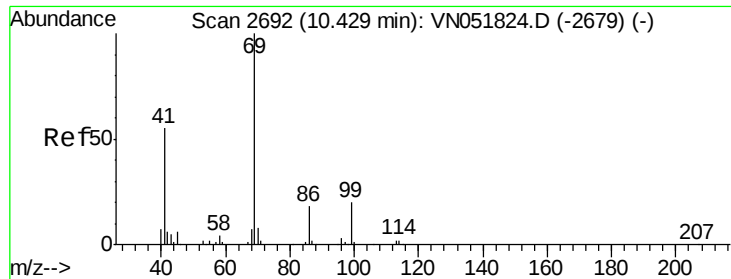
Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion:	97	Resp:	171792
Ion Ratio	Lower	Upper	
97	100		
83	81.5	68.2	102.4
85	52.7	42.5	63.7
99	62.6	44.3	66.5





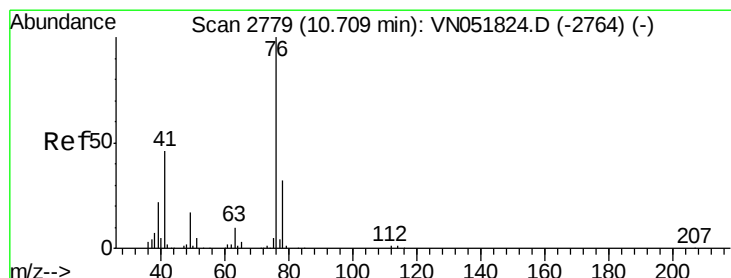
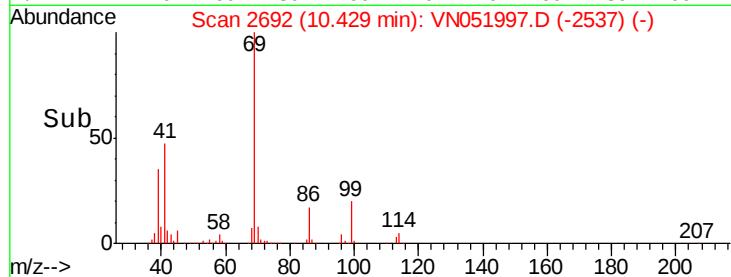
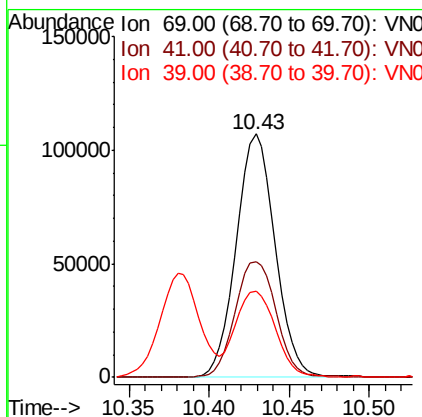
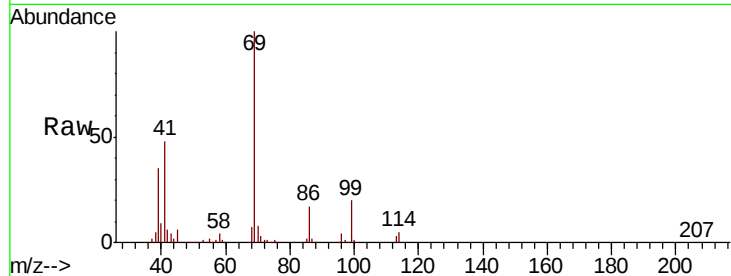
#51
Ethyl methacrylate
Concen: 17.717 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	47.3	34.4	103.1
39	35.0	16.3	48.8

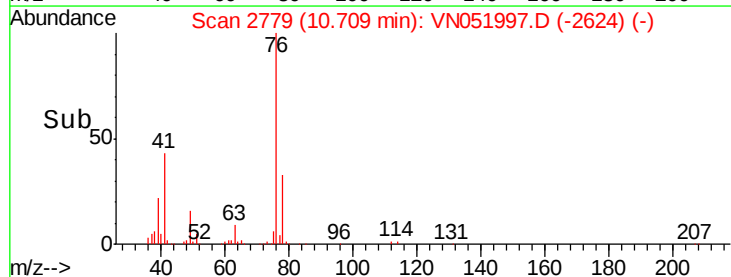
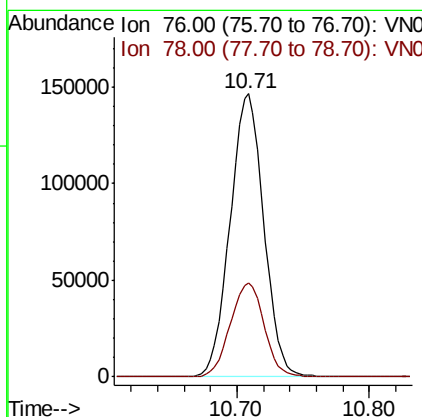
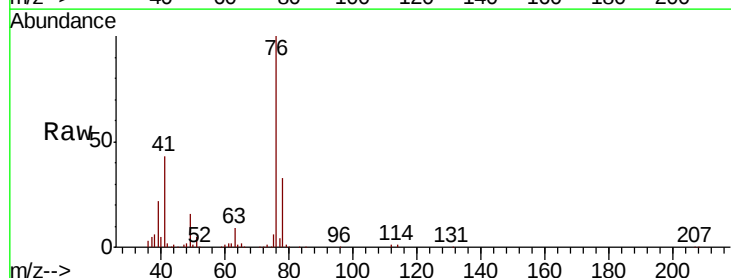
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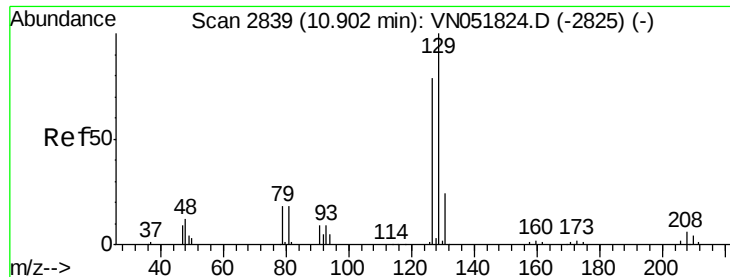
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#52
1,3-Dichloropropane
Concen: 19.134 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.4	0.0	67.6





#53

Dibromochloromethane

Concen: 16.528 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 178746

Ion Ratio Lower Upper

129 100

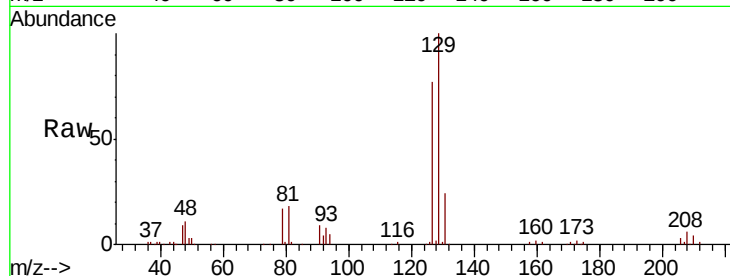
127 76.9 40.2 120.5

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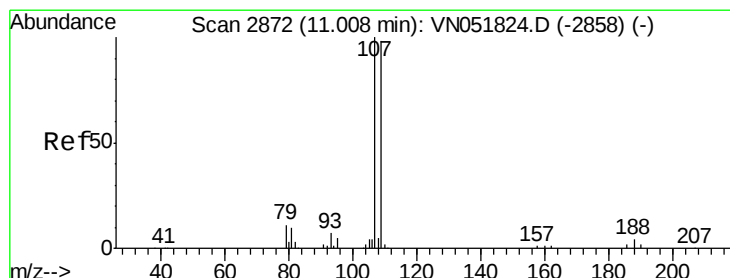
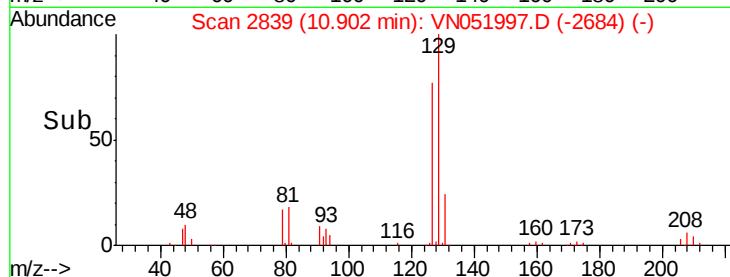
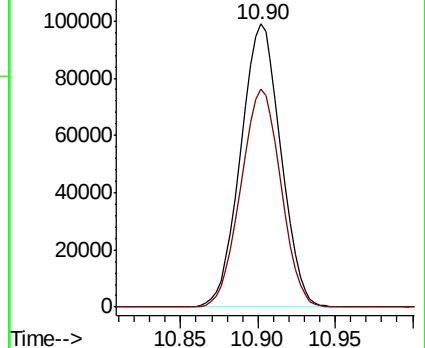
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.665 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051997.D

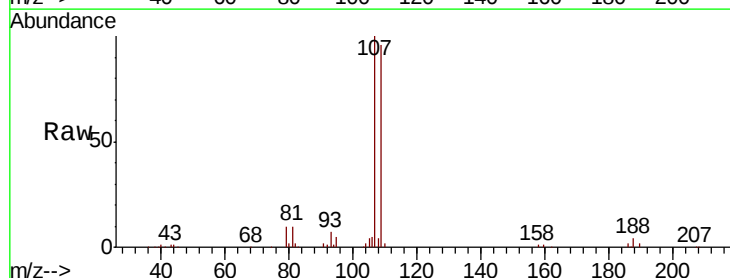
Acq: 24 Oct 2018 19:20

Tgt Ion:107 Resp: 171264

Ion Ratio Lower Upper

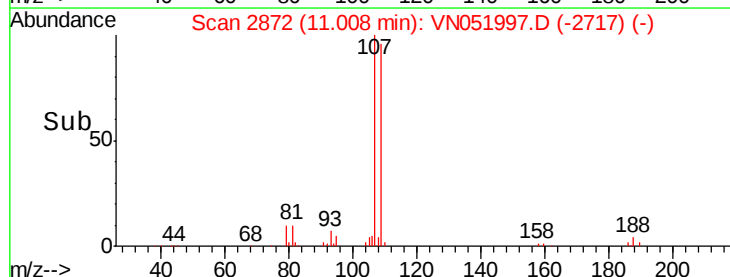
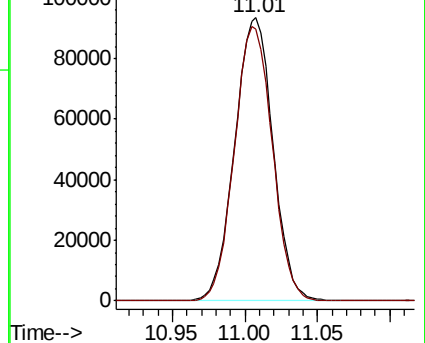
107 100

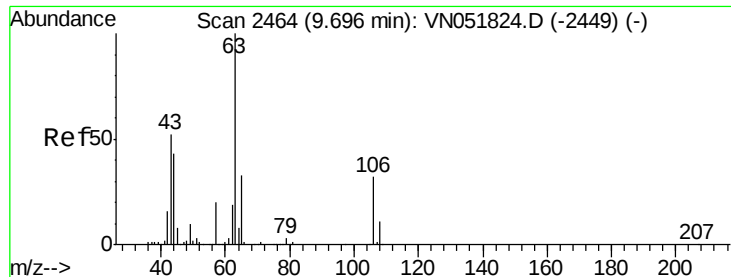
109 96.0 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 112.795 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

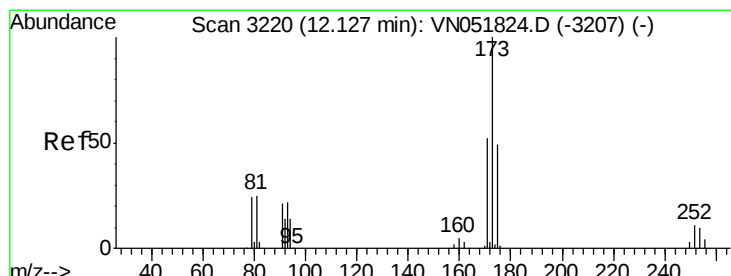
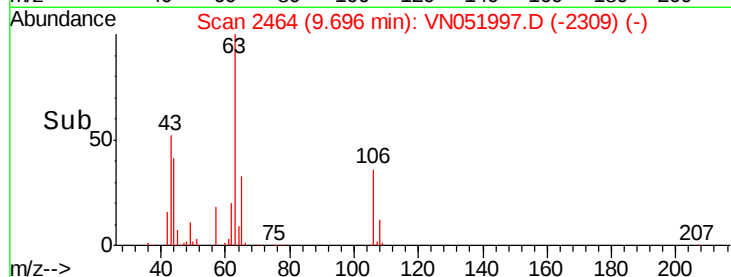
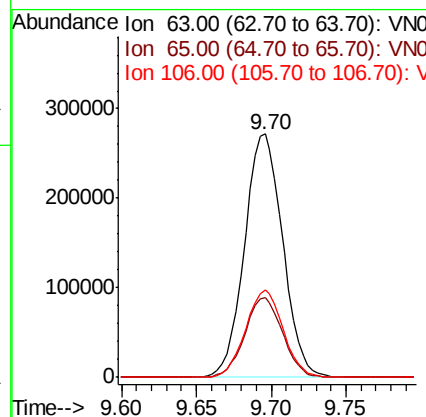
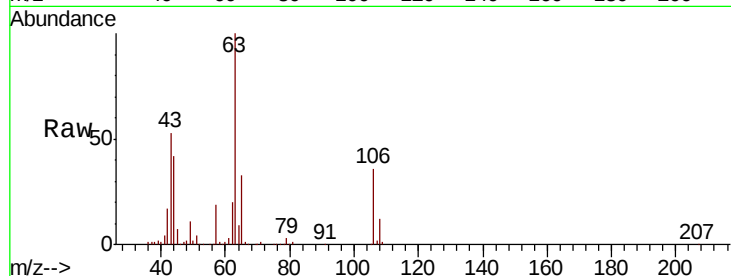
VSTDCCC020EC

Tot Ion: 63 Resp: 482590

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.0
106	35.3	21.2	31.8

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#56

Bromoform

Concen: 14.039 ug/l

RT: 12.13 min Scan# 3220

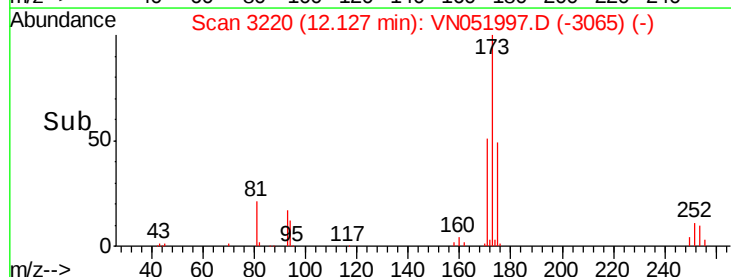
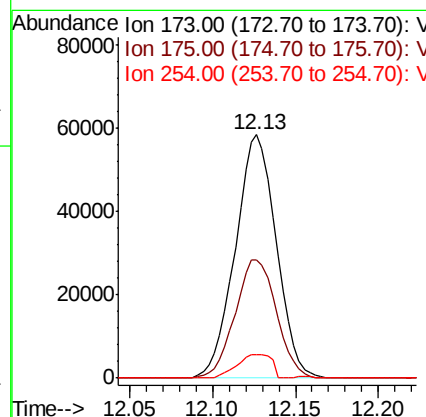
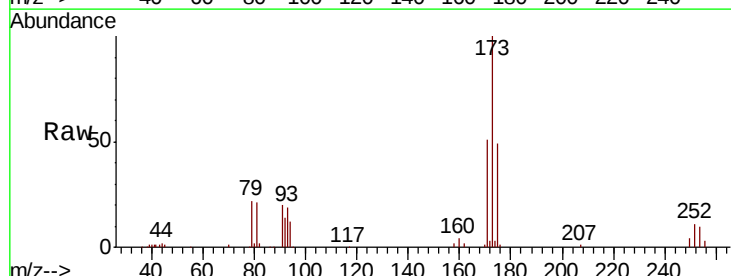
Delta R.T. -0.00 min

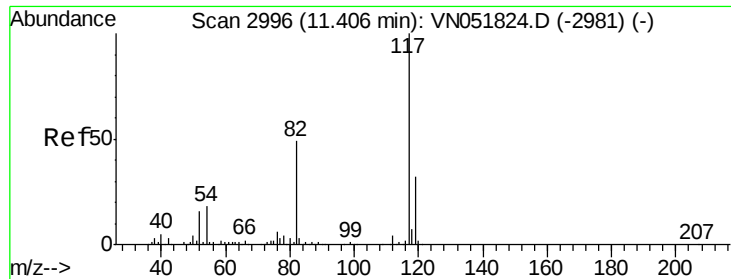
Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion: 173 Resp: 100129

Ion	Ratio	Lower	Upper
173	100		
175	49.1	35.8	53.8
254	8.1	8.6	13.0





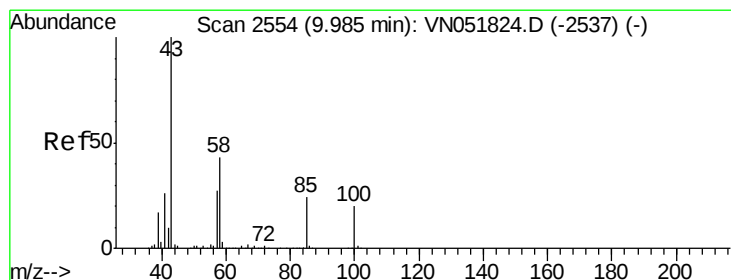
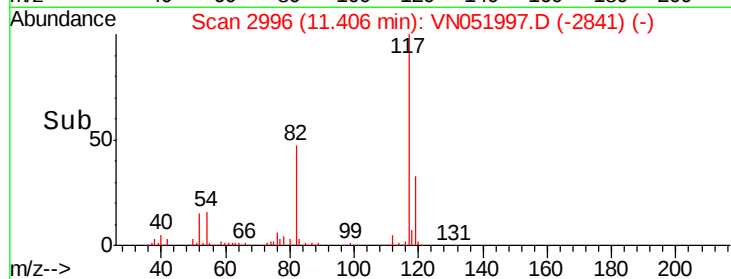
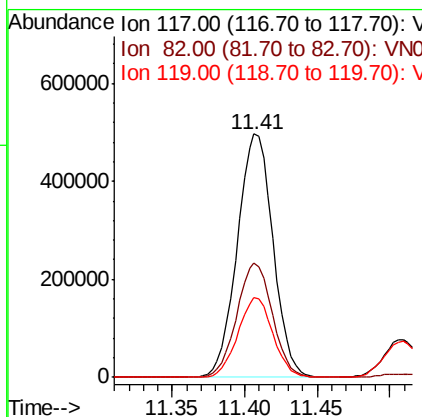
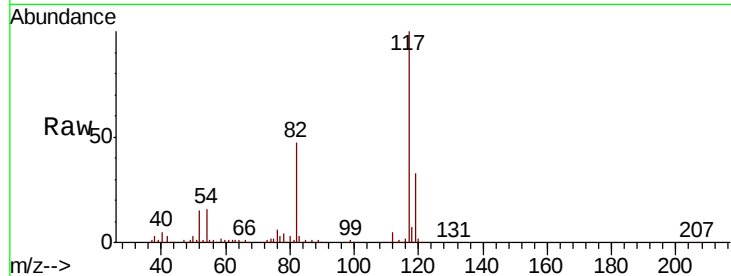
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.9	44.1	66.1
119	32.1	25.8	38.8

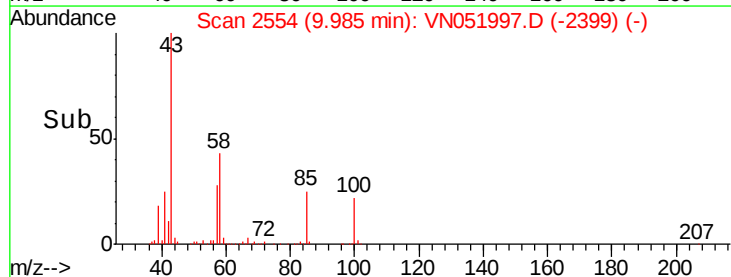
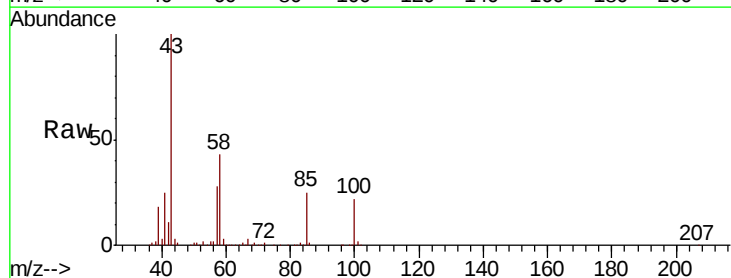
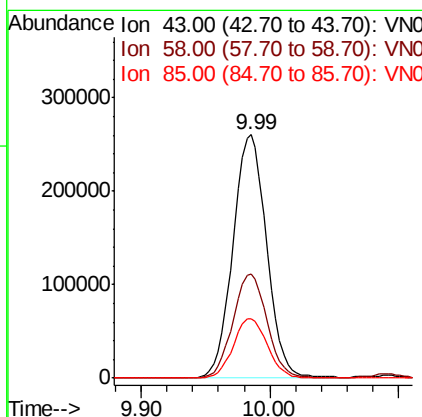
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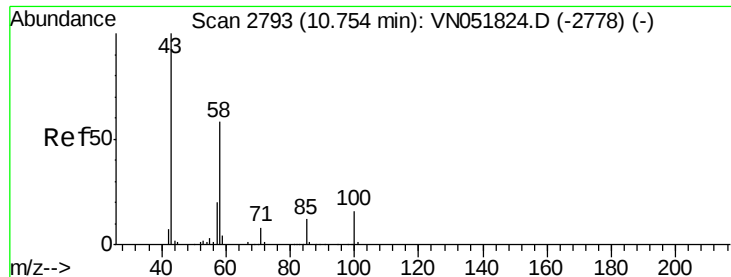
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#58
4-Methyl-2-Pentanone
Concen: 82.713 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.3	29.3	43.9
85	24.9	12.6	18.8





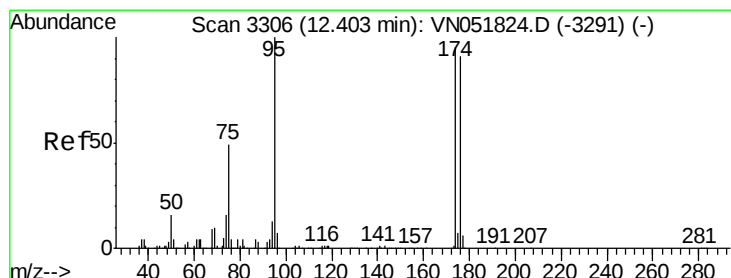
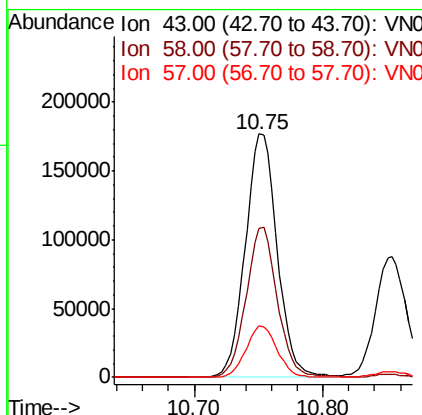
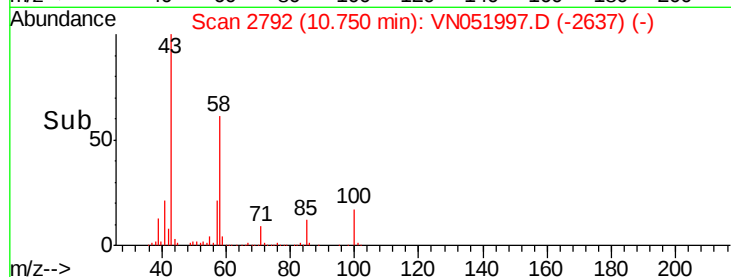
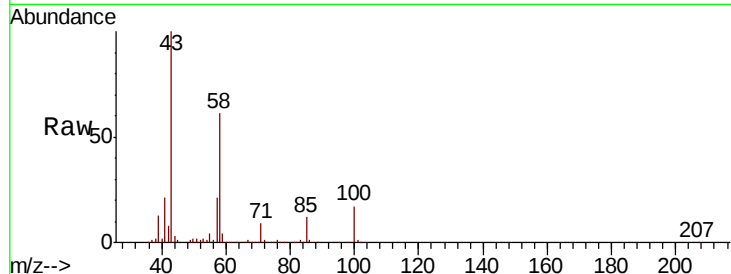
#59
2-Hexanone
Concen: 79.534 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.9	41.3	61.9
57	20.5	13.4	20.0

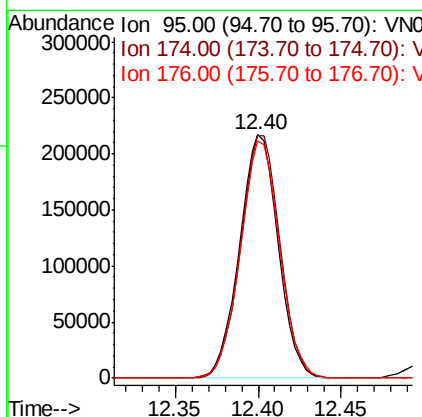
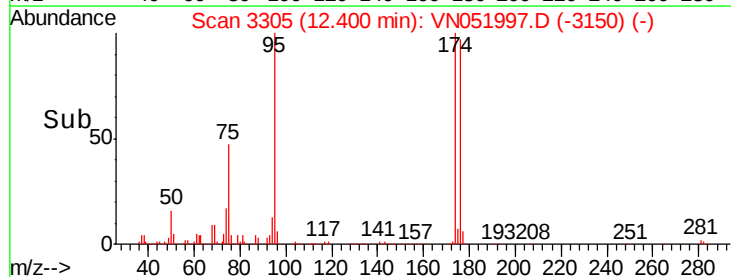
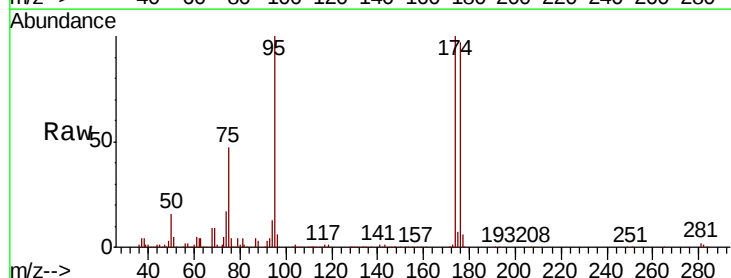
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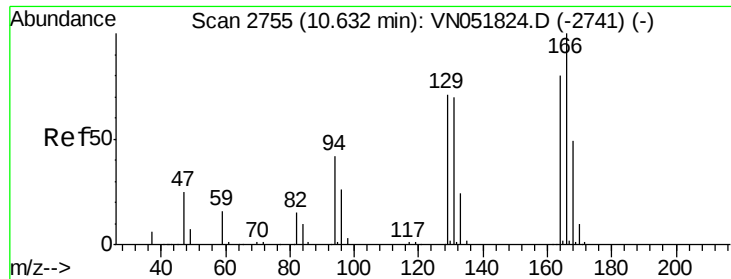
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#60
4-Bromofluorobenzene
Concen: 79.534 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	101.6	73.5	110.3
176	98.8	70.2	105.2





#61

Tetrachloroethene

Concen: 18.967 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

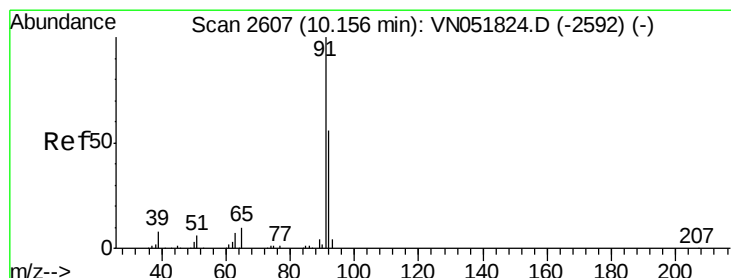
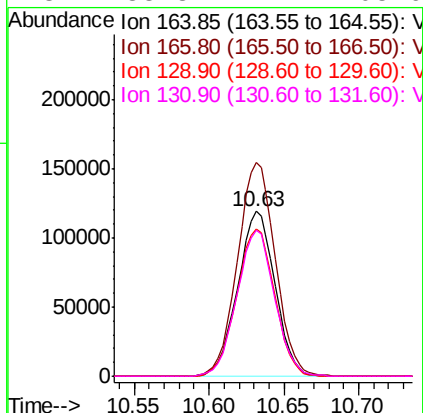
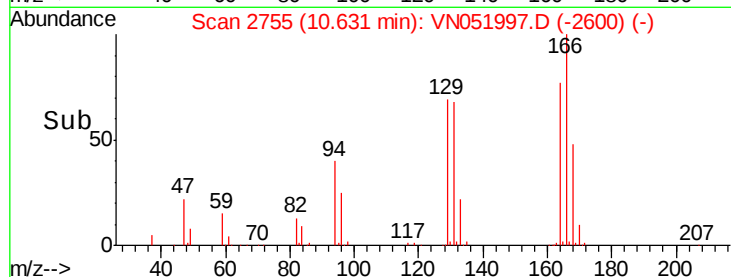
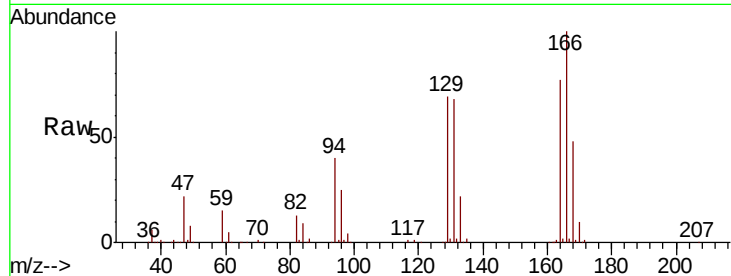
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.7	98.7	148.1	
129	89.3	69.6	104.4	
131	88.3	72.4	108.6	

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#62

Toluene

Concen: 19.778 ug/l

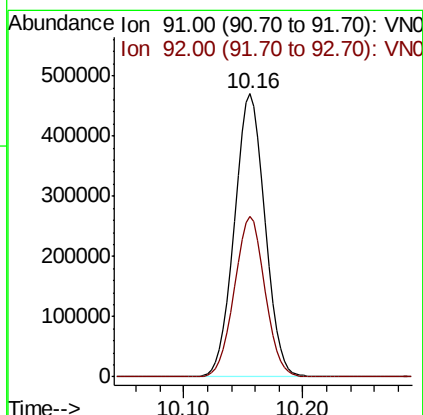
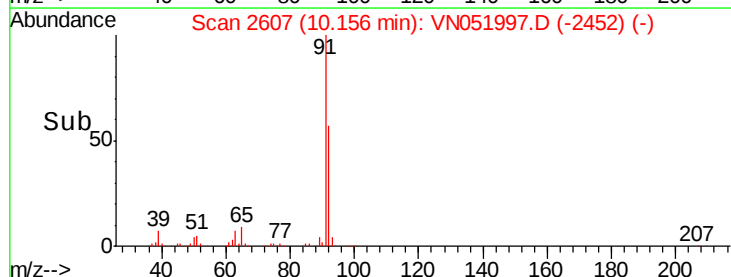
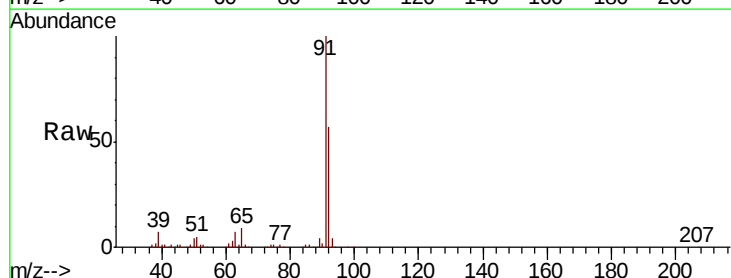
RT: 10.16 min Scan# 2607

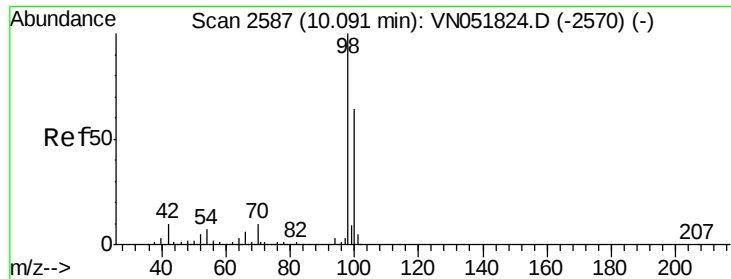
Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	56.7	44.6	66.8	





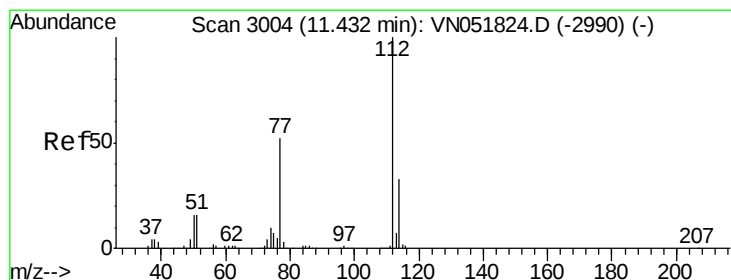
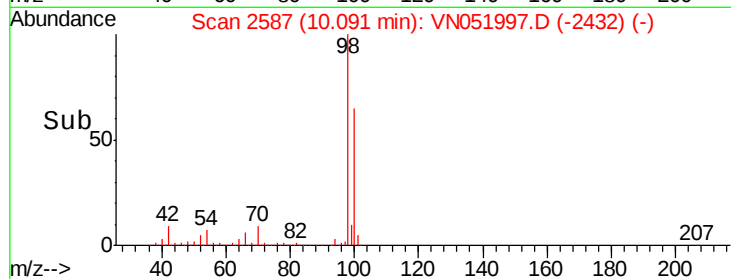
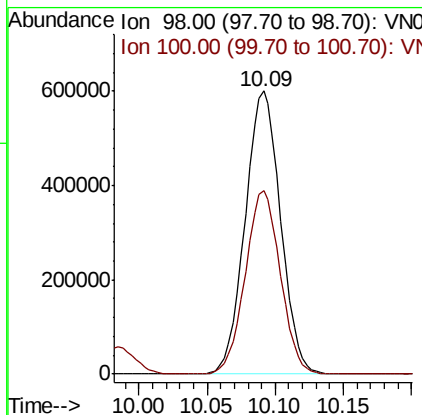
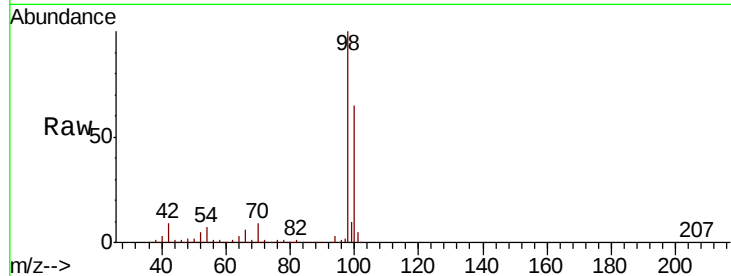
#63
Toluene-d8
Concen: 19.778 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 1082602
Ion Ratio Lower Upper
98 100
100 64.2 50.8 76.2

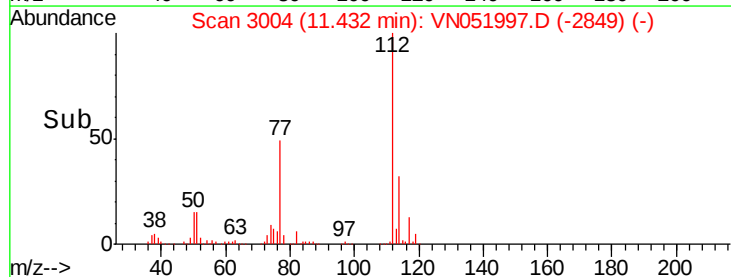
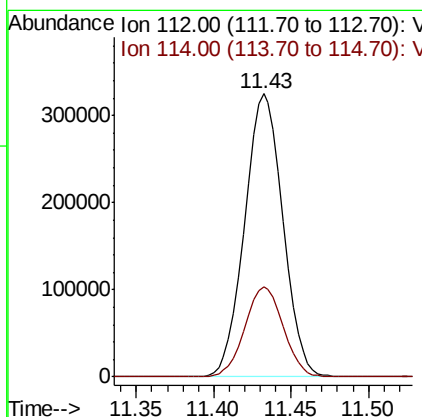
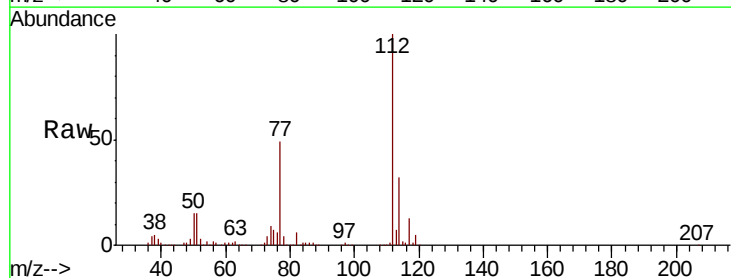
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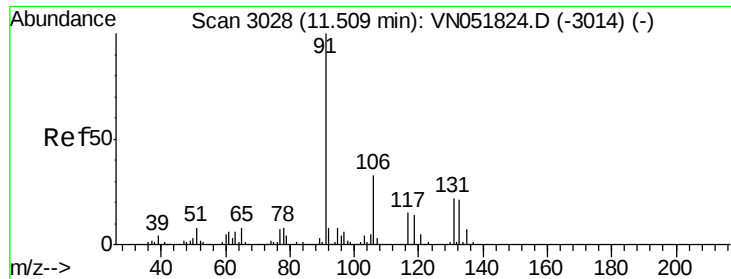
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#64
Chlorobenzene
Concen: 20.197 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 112 Resp: 559872
Ion Ratio Lower Upper
112 100
114 31.8 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.737 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

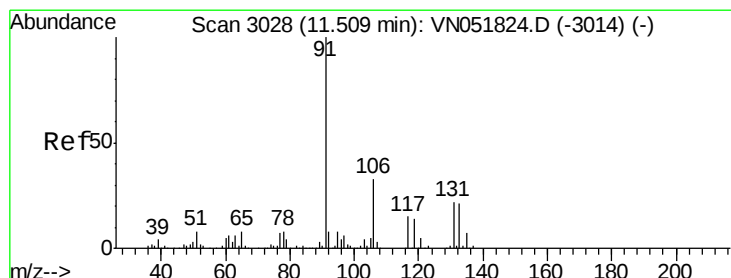
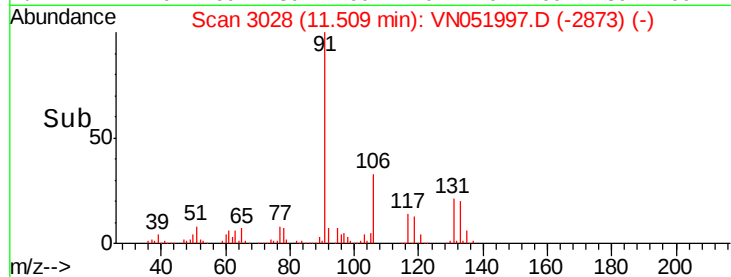
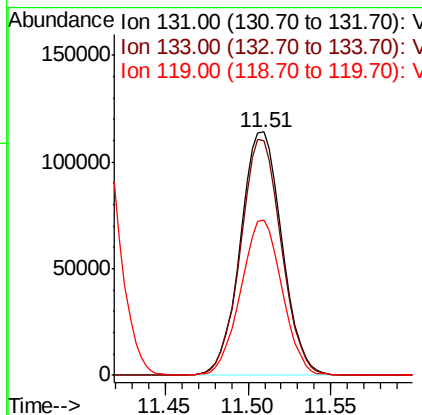
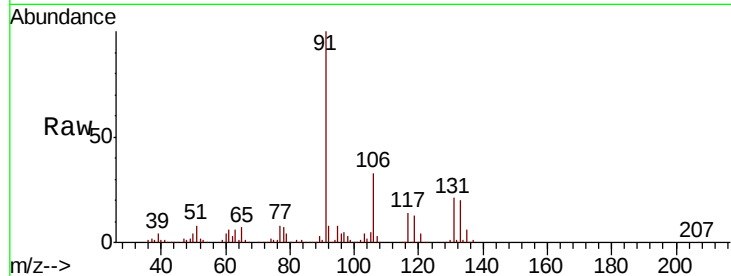
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
131	100	199361		
133	95.4	0.0	190.4	
119	63.5	0.0	128.0	

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#66

Ethyl Benzene

Concen: 18.820 ug/l

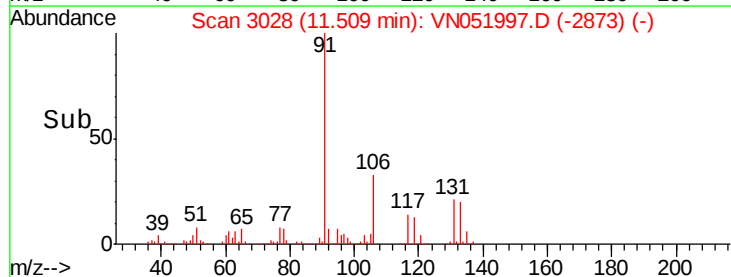
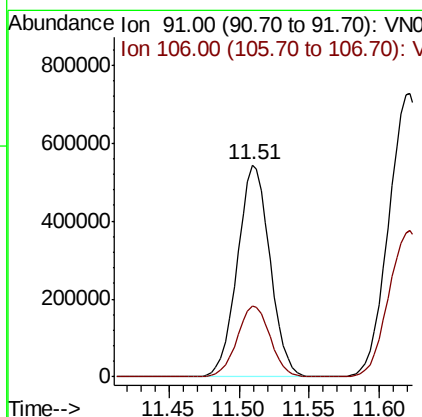
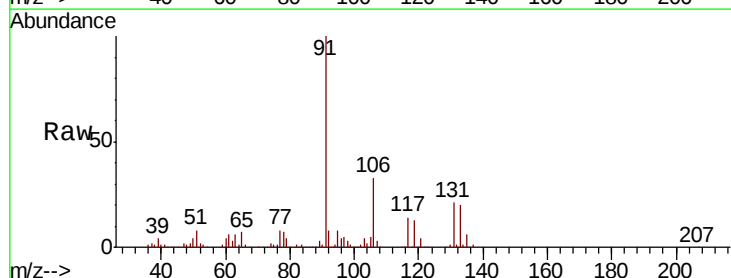
RT: 11.51 min Scan# 3028

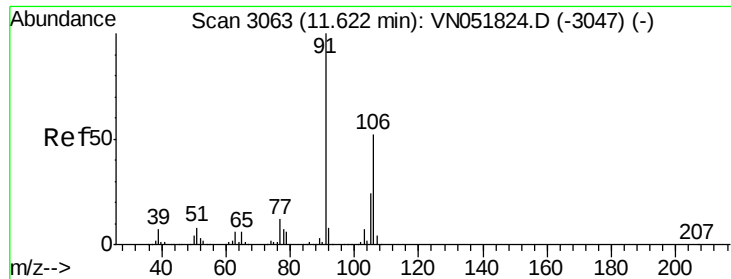
Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	880403		
106	33.5	25.9	38.9	





#67

m/p-Xylenes

Concen: 38.059 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 721810

Ion Ratio Lower Upper

106 100

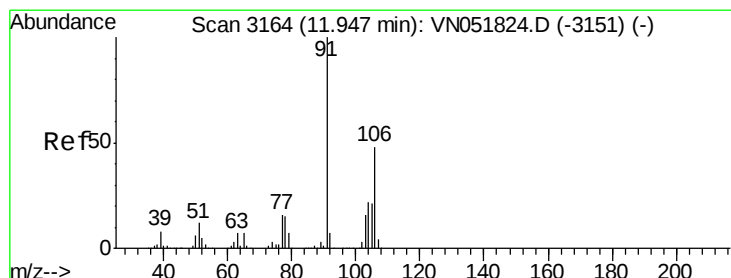
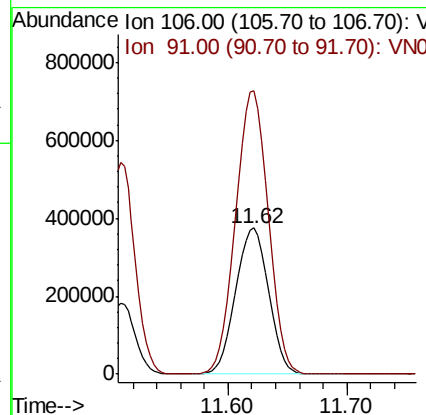
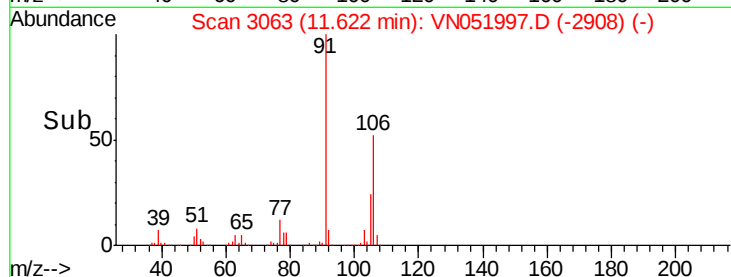
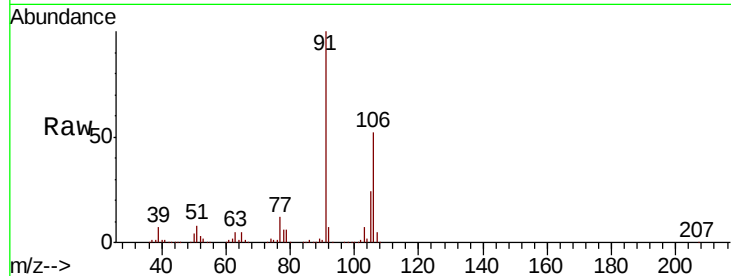
91 191.8 158.8 238.2

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#68

o-Xylene

Concen: 18.967 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051997.D

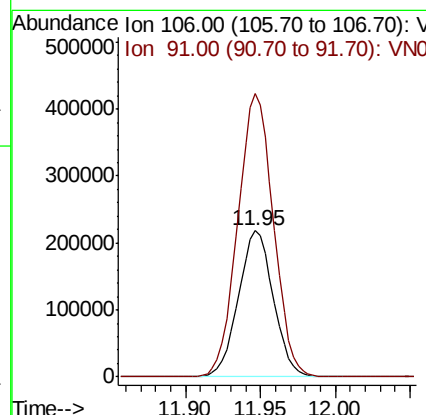
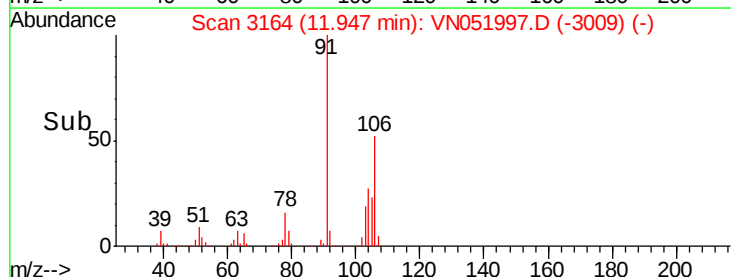
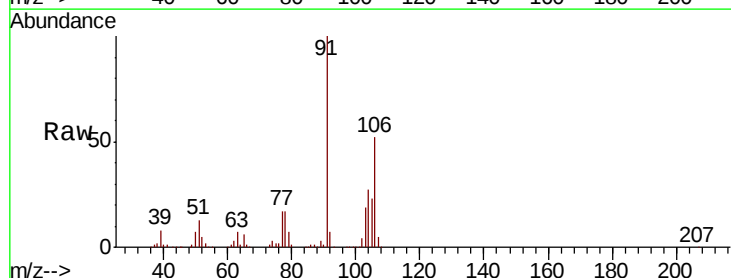
Acq: 24 Oct 2018 19:20

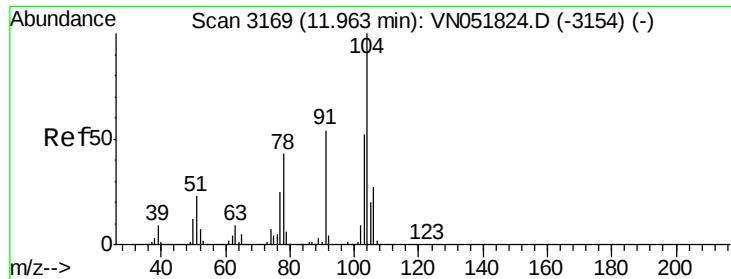
Tgt Ion:106 Resp: 354616

Ion Ratio Lower Upper

106 100

91 197.5 111.1 333.3





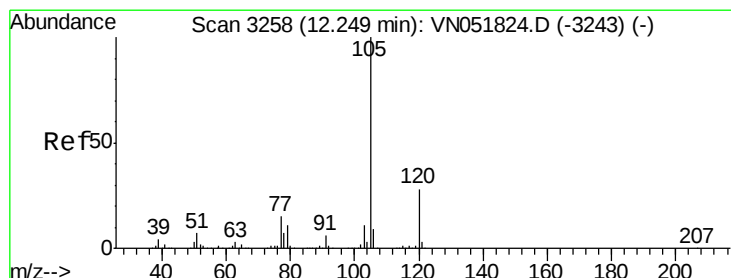
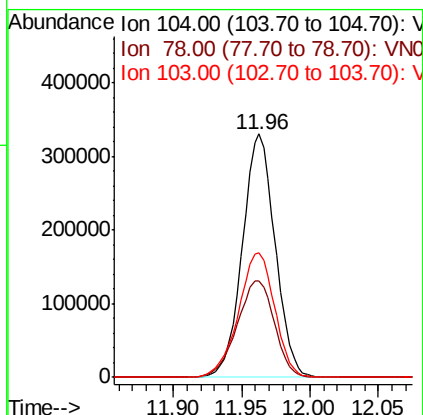
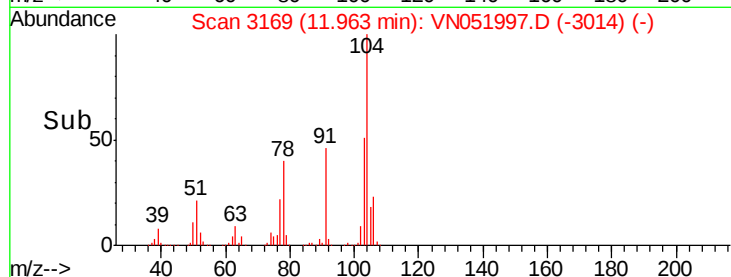
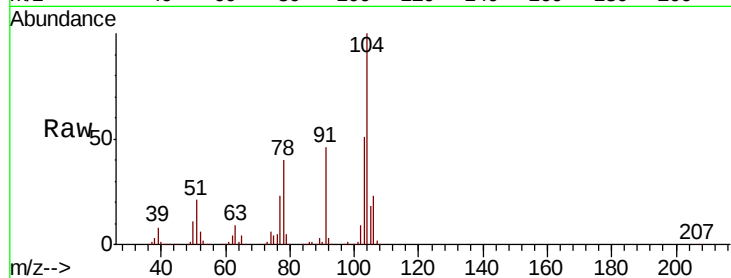
#69
Stvrene
Concen: 19.159 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.3	40.6	60.8
103	56.5	44.0	66.0

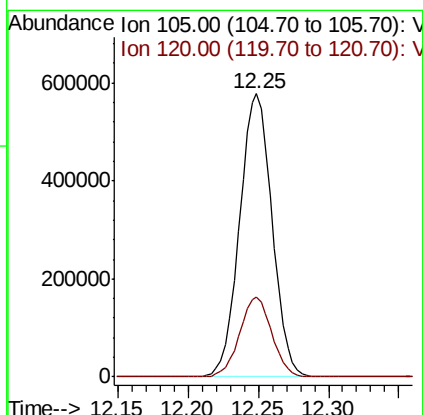
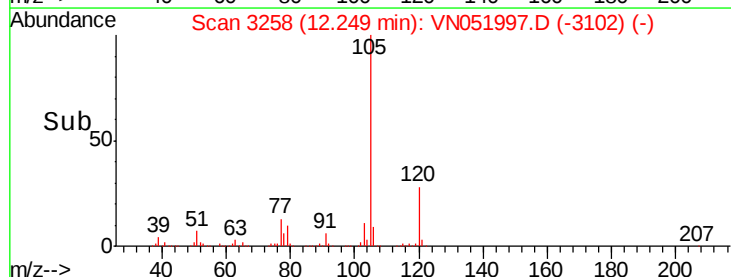
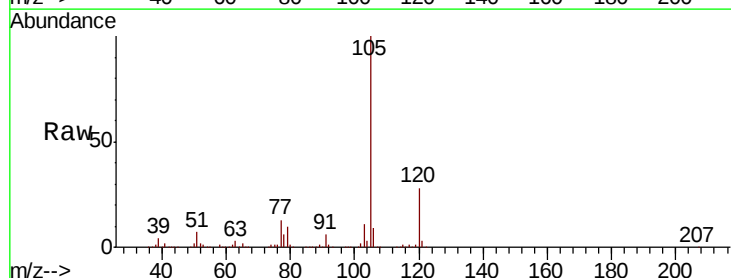
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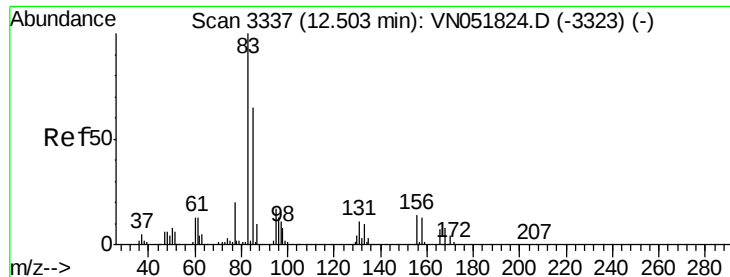
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#70
Isopropylbenzene
Concen: 18.646 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	19.0	35.4





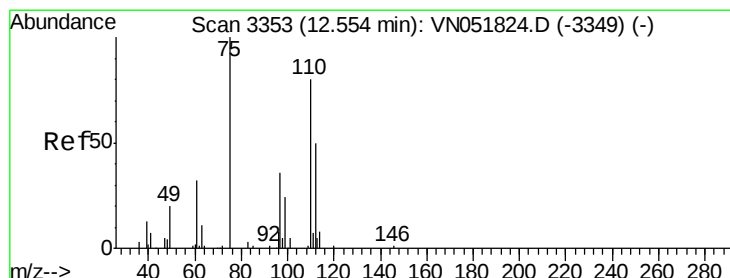
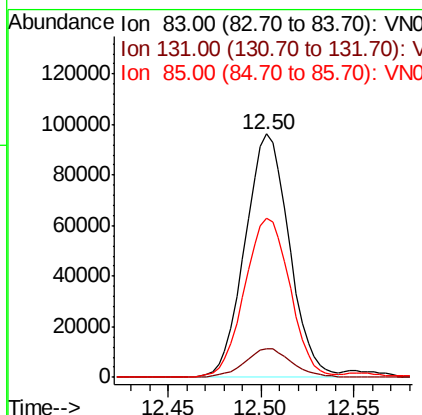
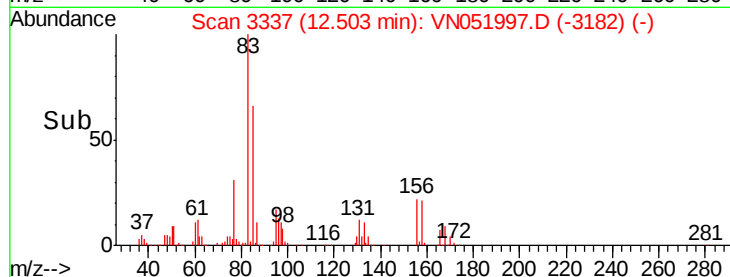
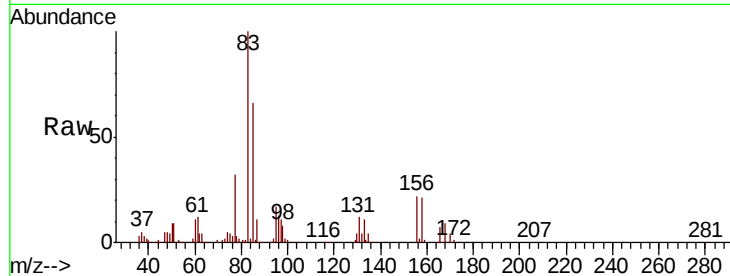
#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.193 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.6	5.5	16.4
85	67.4	30.6	91.8

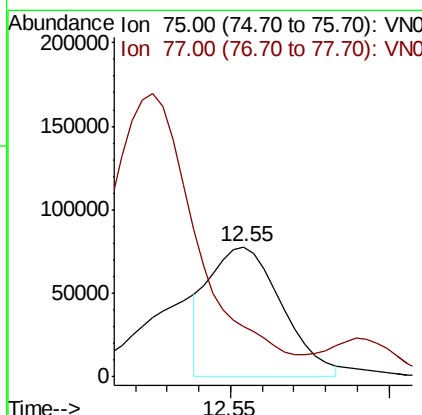
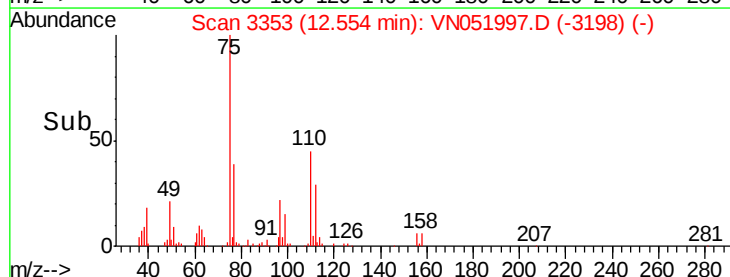
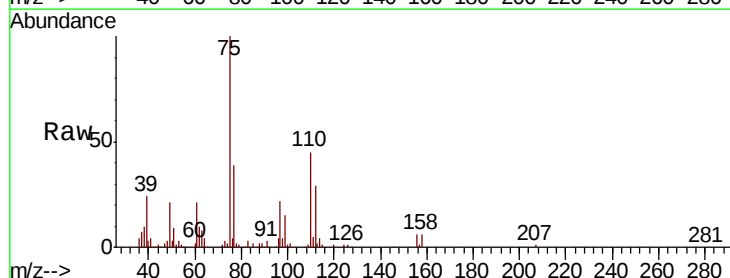
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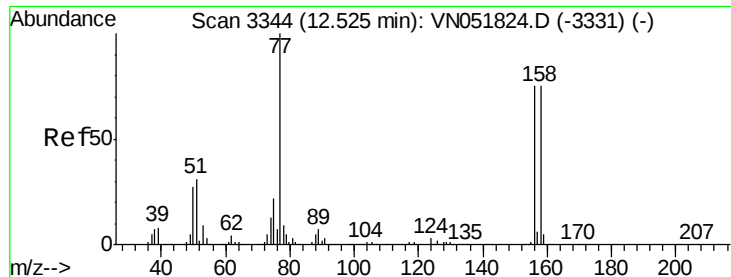
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#72
 1,2,3-Trichloropropane
 Concen: 16.099 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	268.6	0.0	400.0





#73

Bromobenzene

Concen: 19.913 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

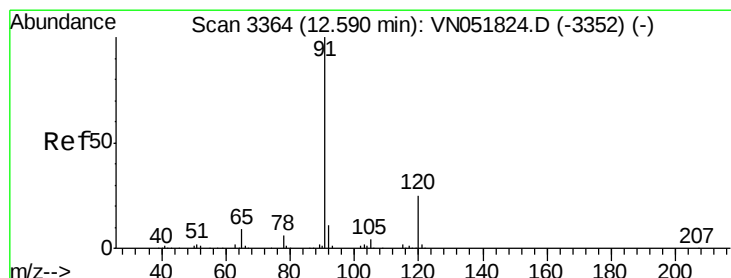
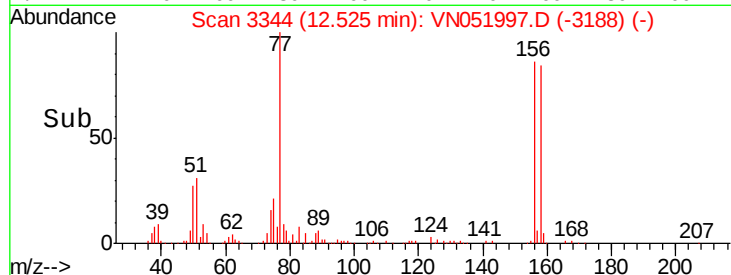
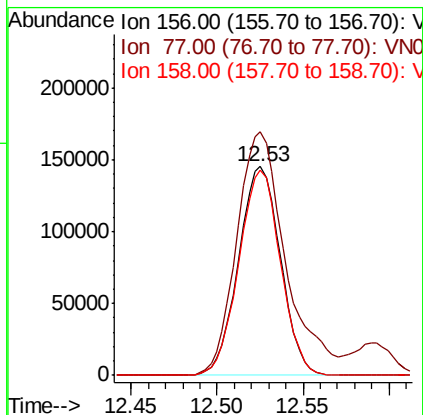
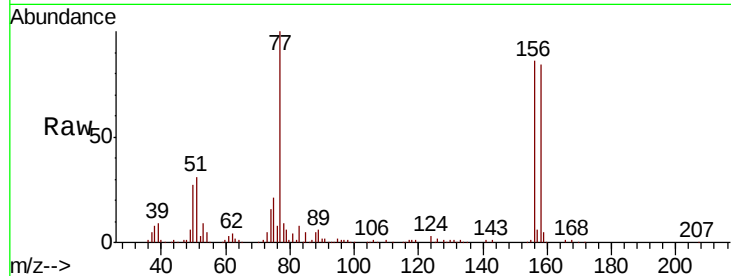
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.2	0.0	377.4
158	97.7	0.0	203.0

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#74

n-propylbenzene

Concen: 18.347 ug/l

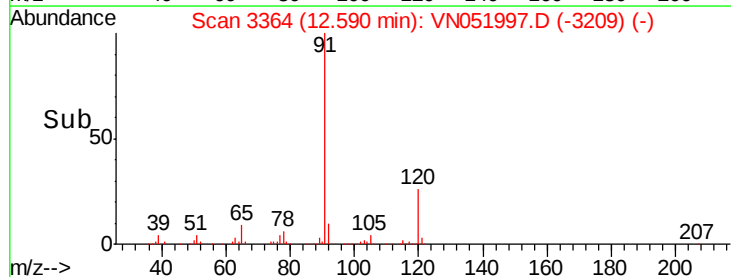
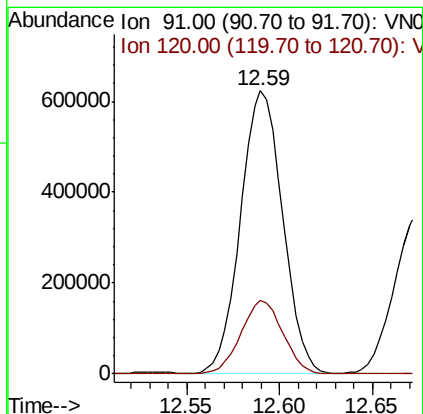
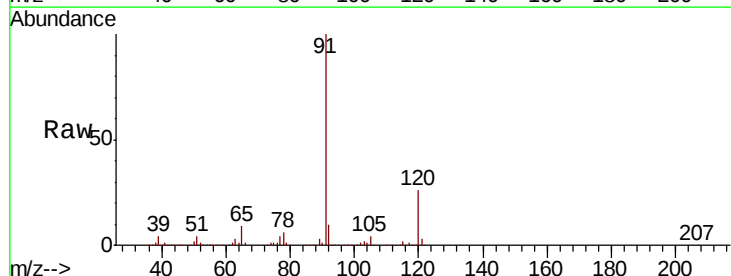
RT: 12.59 min Scan# 3364

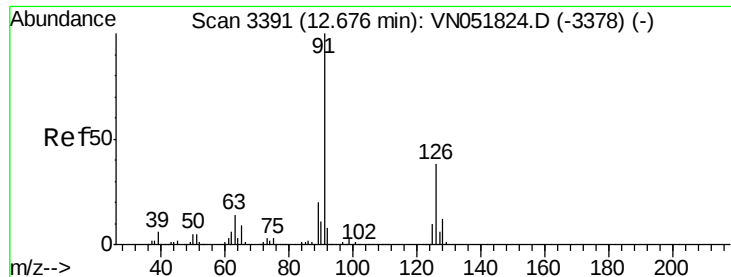
Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.8	0.0	45.0





#75

2-Chlorotoluene

Concen: 18.290 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 575060

Ion Ratio Lower Upper

91 100

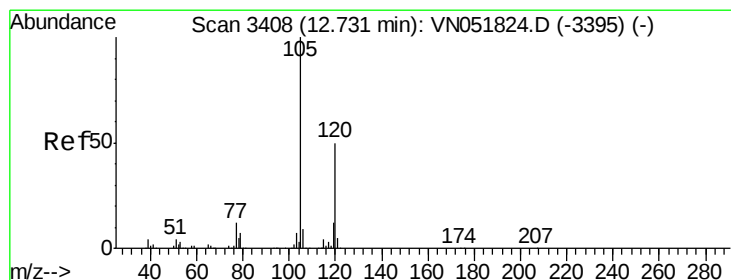
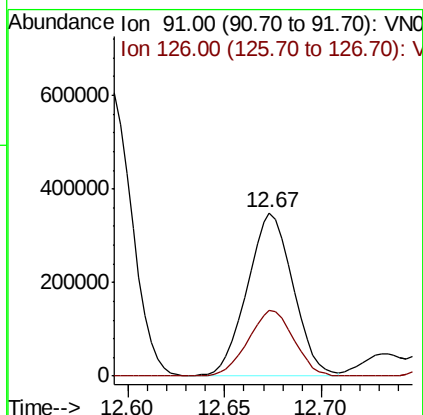
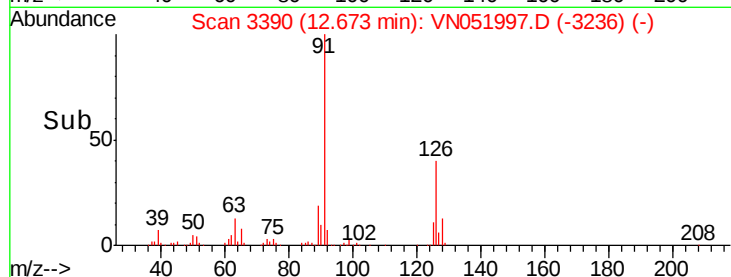
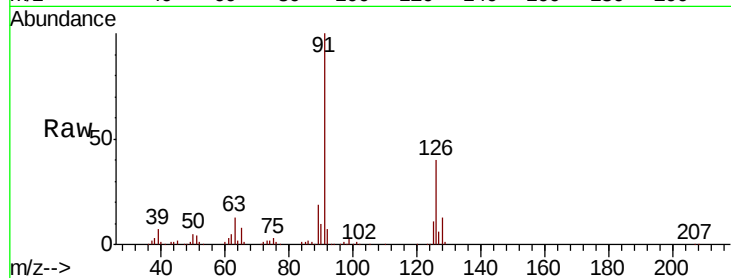
126 40.2 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 17.855 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051997.D

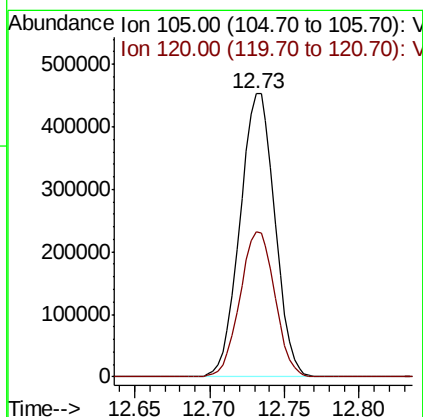
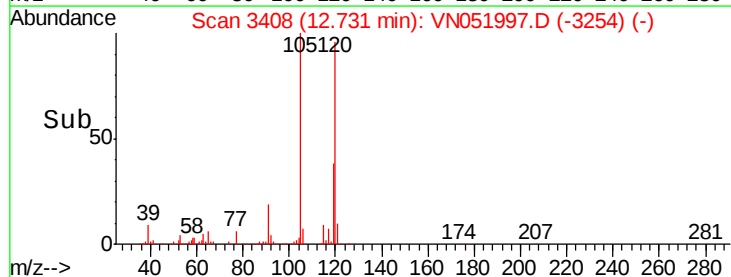
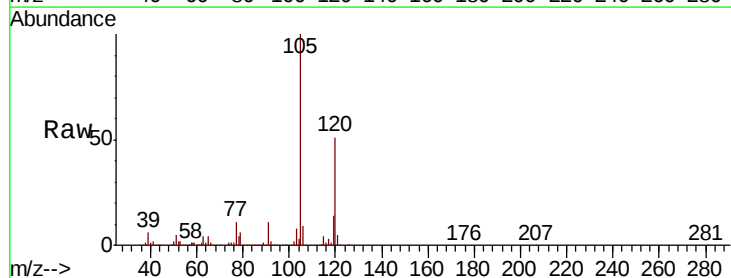
Acq: 24 Oct 2018 19:20

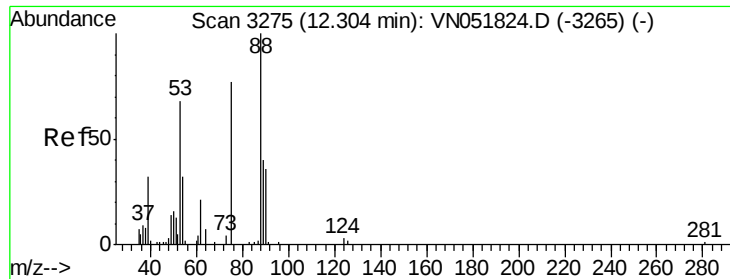
Tgt Ion: 105 Resp: 736142

Ion Ratio Lower Upper

105 100

120 51.2 0.0 98.2





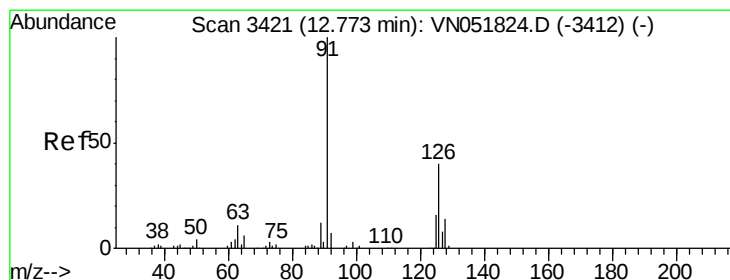
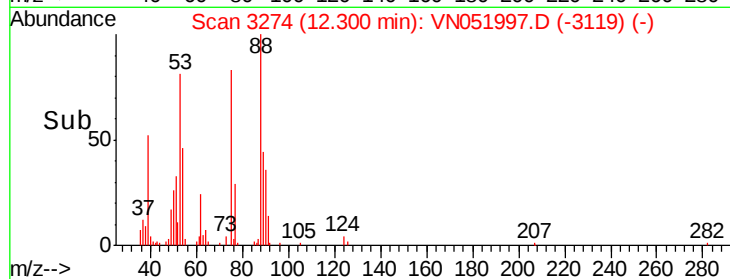
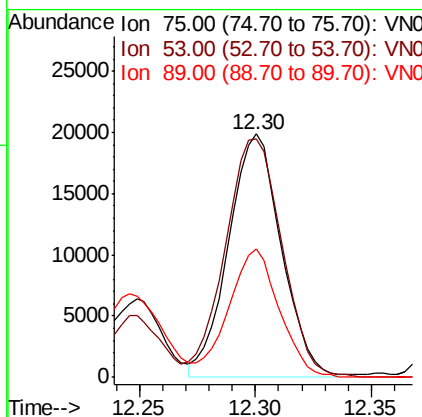
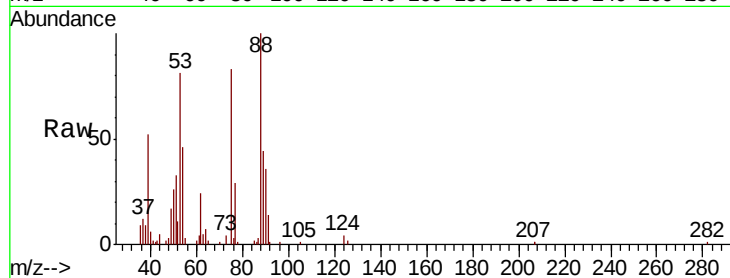
#77
t-1,4-Dichloro-2-butene
Concen: 12.294 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	46.3	138.9
89	53.4	24.6	73.8

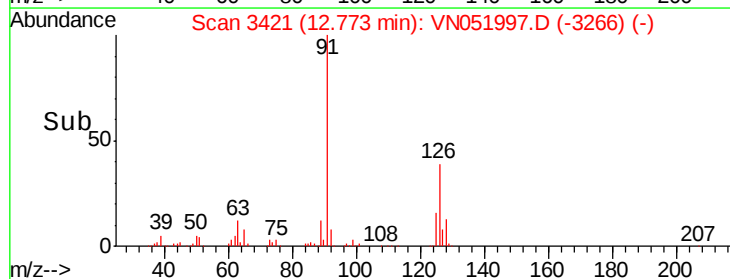
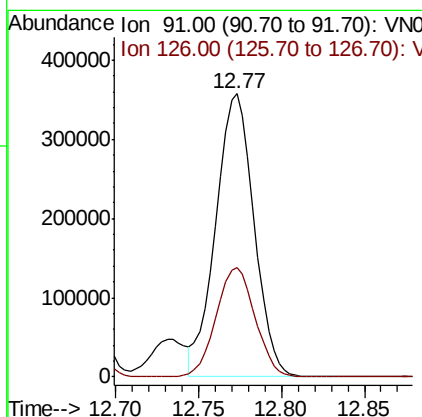
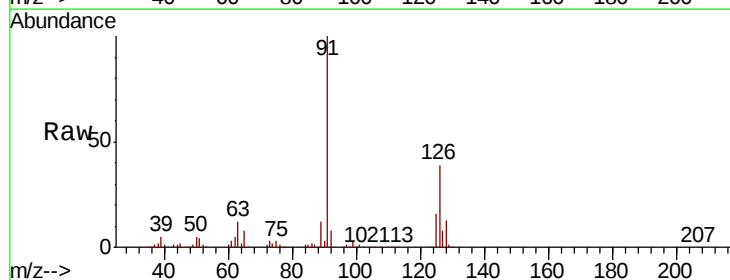
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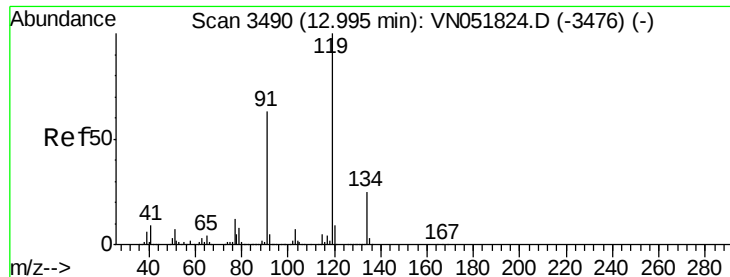
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#78
4-Chlorotoluene
Concen: 18.598 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.1	0.0	65.2





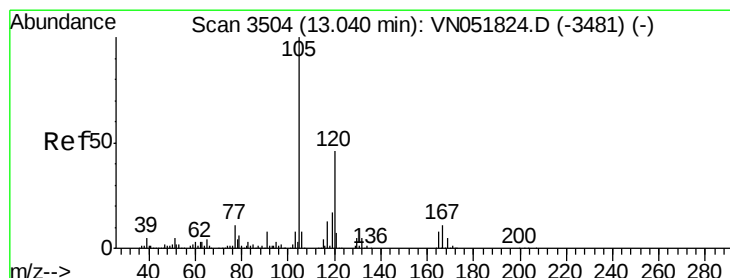
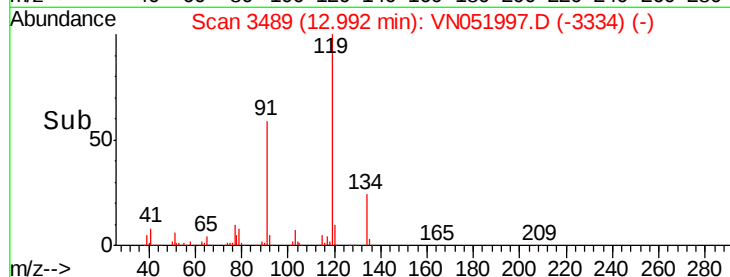
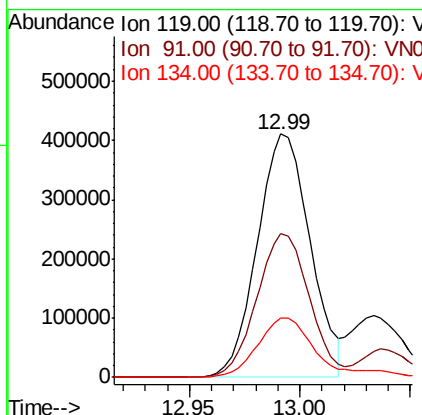
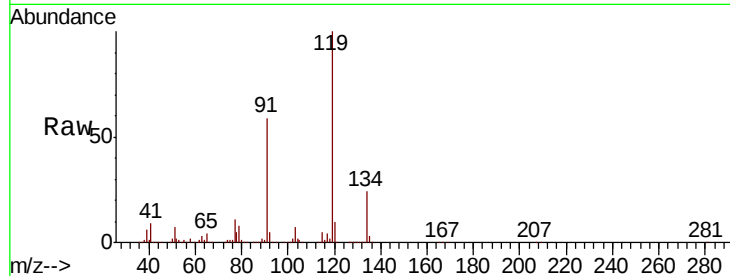
#79
tert-butylbenzene
Concen: 18.005 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.6	0.0	131.6
134	25.4	0.0	46.2

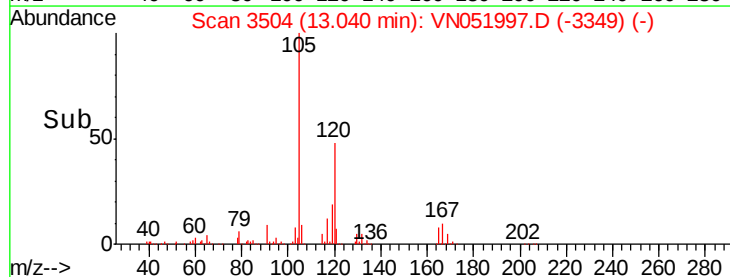
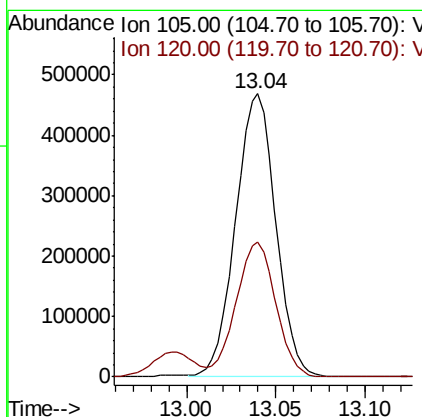
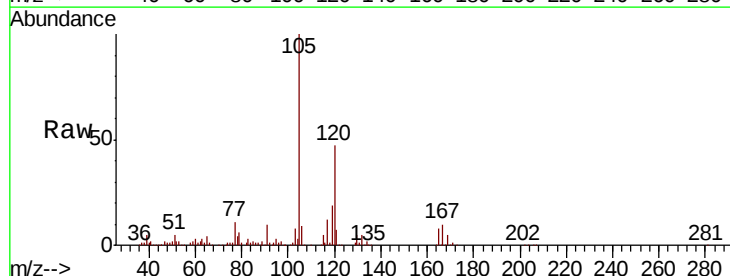
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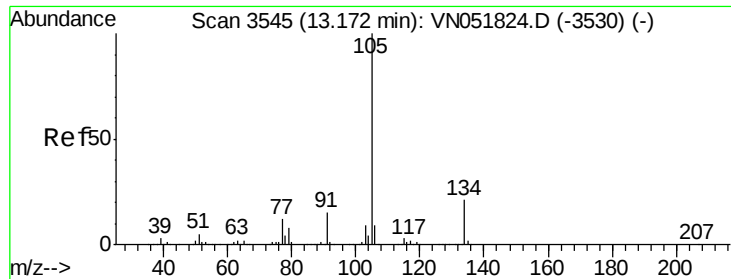
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#80
1,2,4-Trimethylbenzene
Concen: 17.855 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	0.0	89.6





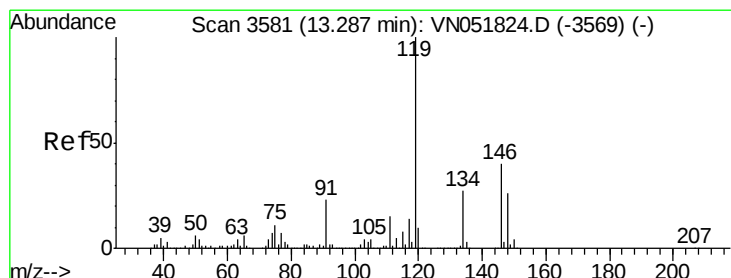
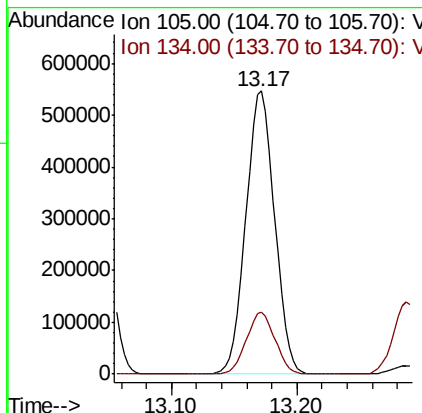
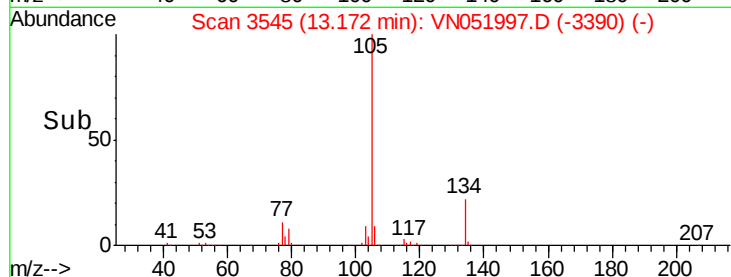
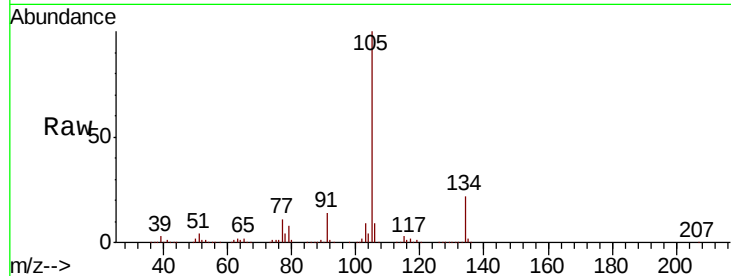
#81
 sec-Butylbenzene
 Concen: 17.588 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.9	0.0	39.4

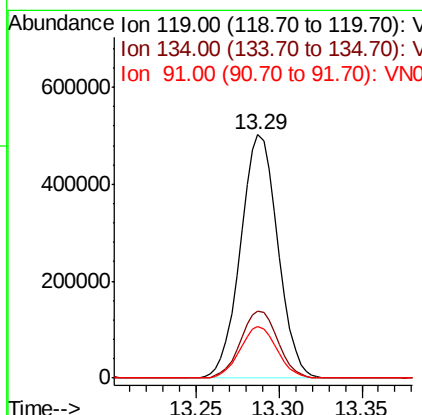
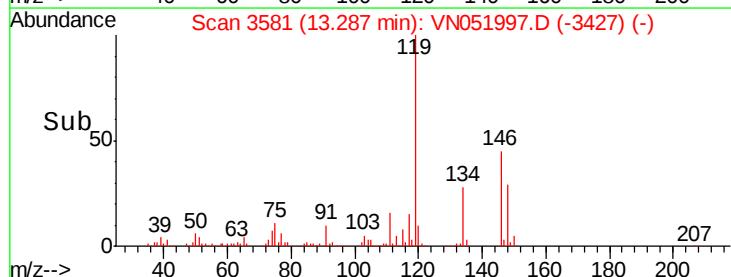
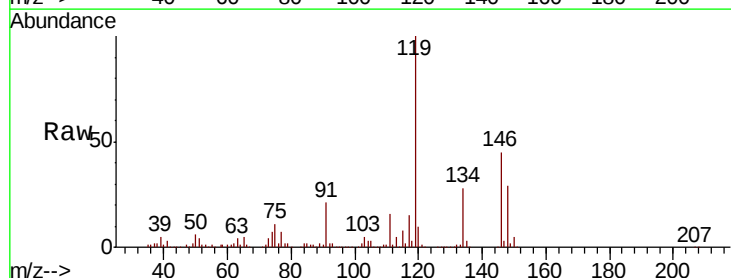
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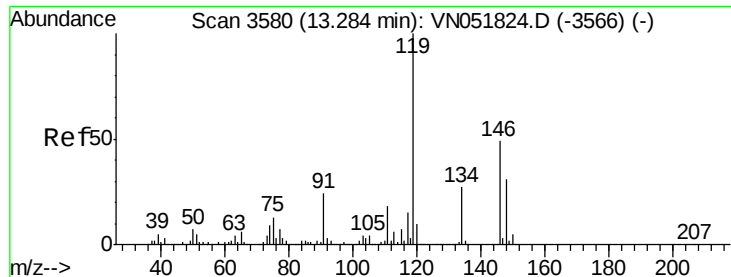
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#82
 p-Isopropyltoluene
 Concen: 17.601 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	0.0	53.6
91	21.1	0.0	52.0





#83

1,3-Dichlorobenzene

Concen: 19.036 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

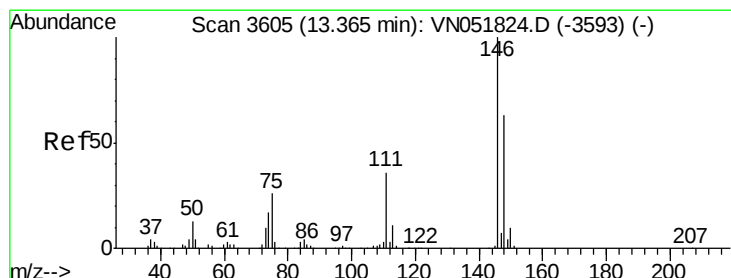
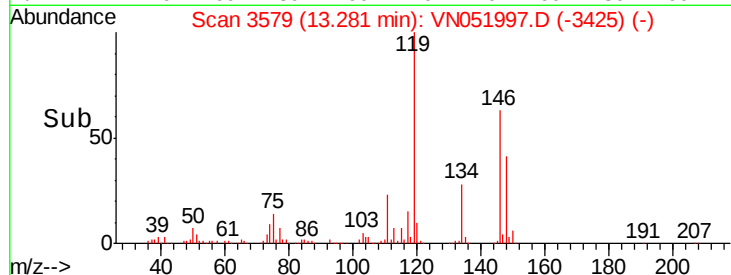
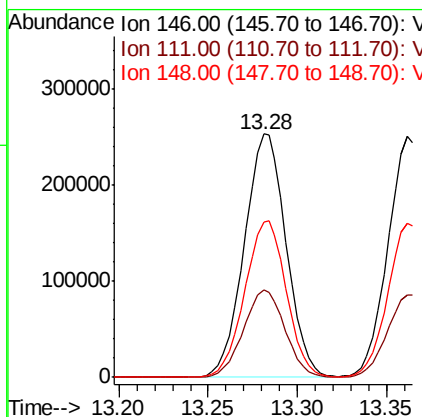
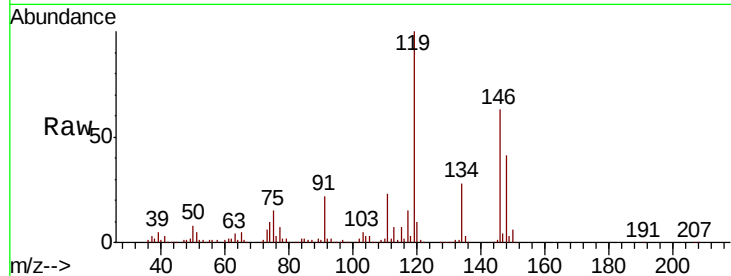
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	414811
Ion Ratio	Lower	Upper	
146	100		
111	35.5	18.1	54.3
148	63.7	31.3	93.8

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 19.523 ug/l

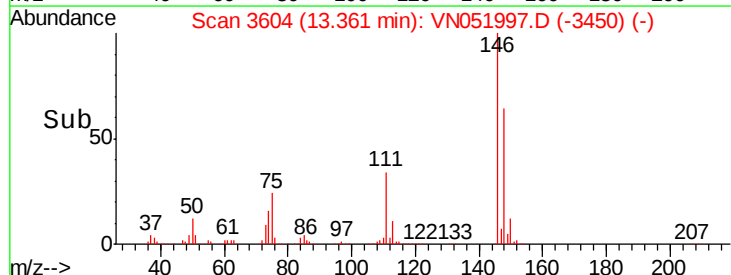
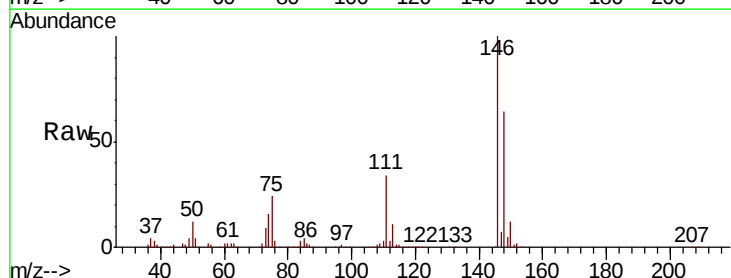
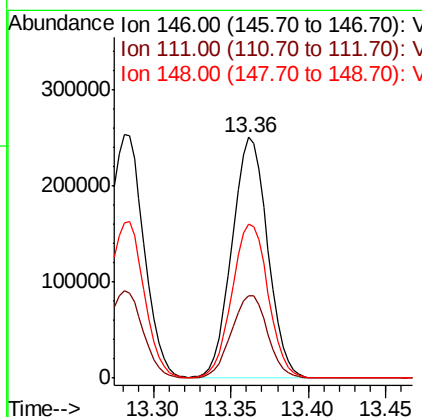
RT: 13.36 min Scan# 3604

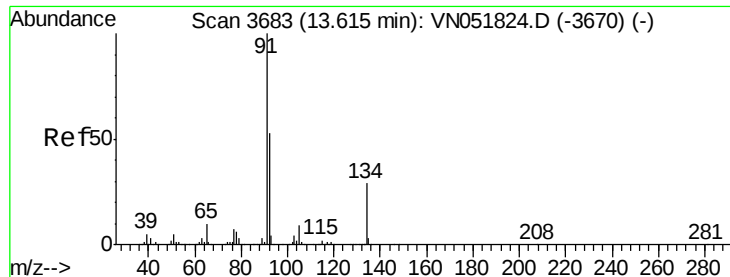
Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion:	146	Resp:	400513
Ion Ratio	Lower	Upper	
146	100		
111	34.7	17.4	52.2
148	64.9	32.8	98.3





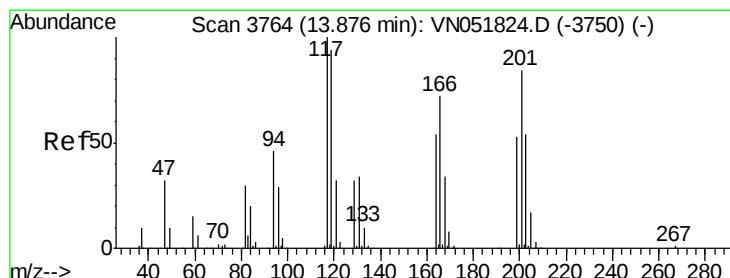
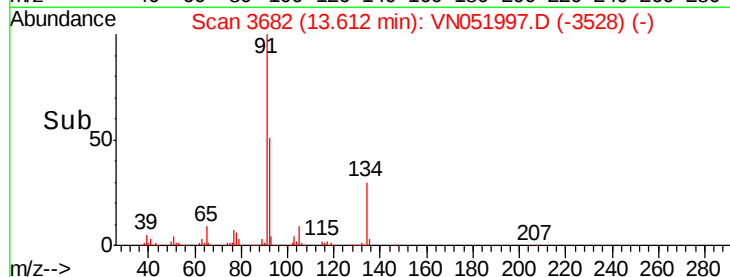
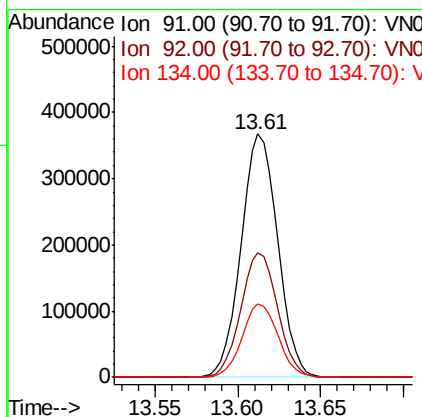
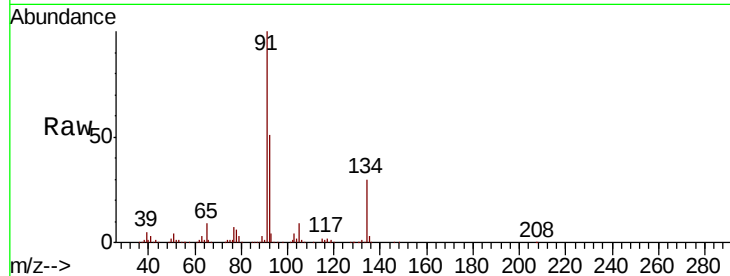
#85
n-Butylbenzene
Concen: 16.856 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	0.0	97.4
134	29.7	0.0	49.6

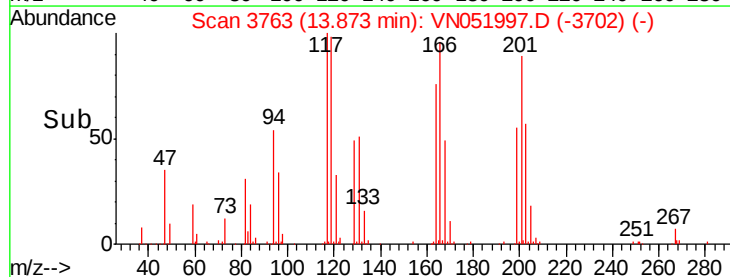
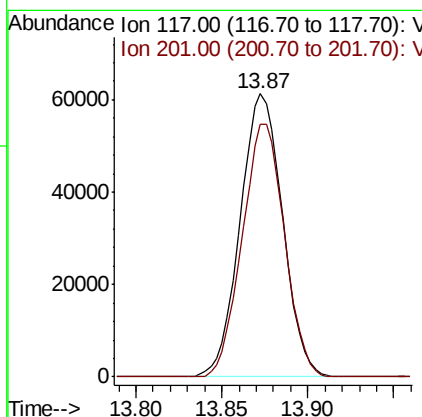
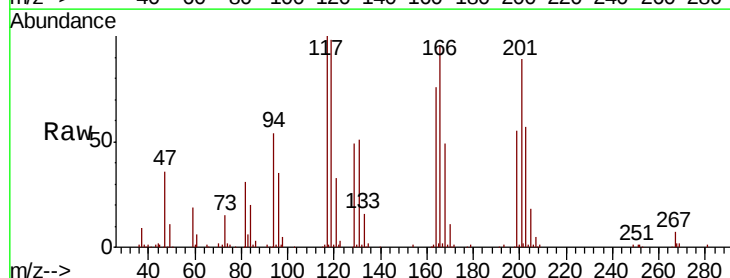
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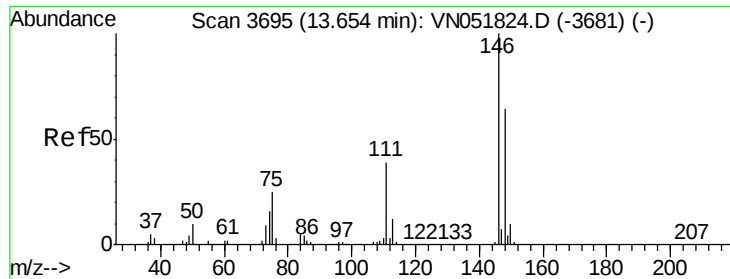
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#86
Hexachloroethane
Concen: 13.705 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	47.8	143.3





#87

1,2-Dichlorobenzene

Concen: 18.309 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

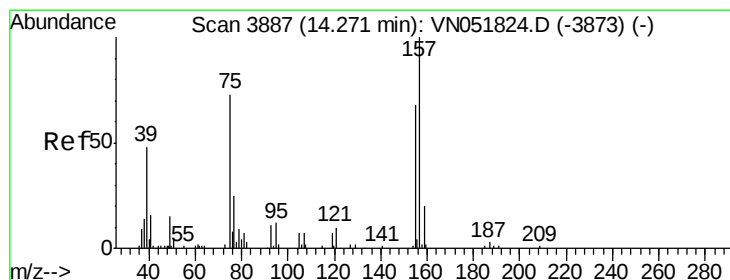
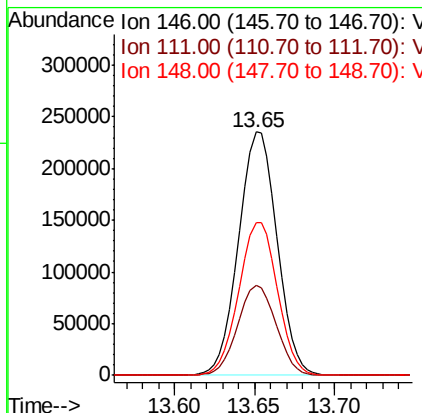
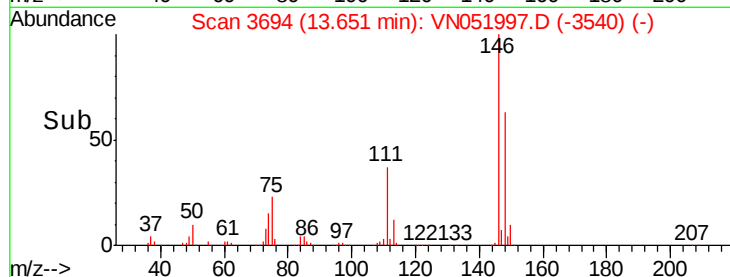
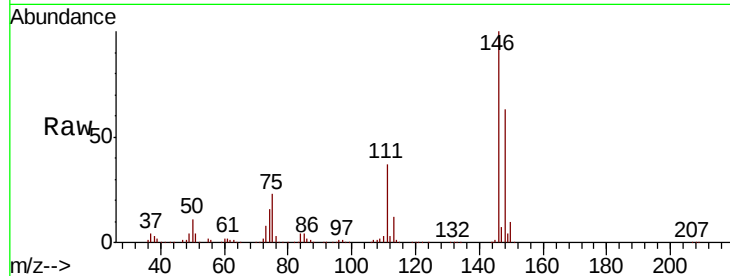
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	386265
Ion Ratio	Lower	Upper	
146	100		
111	37.1	20.8	62.2
148	63.2	33.2	99.6

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#88

1,2-Dibromo-3-Chloropropane

Concen: 9.750 ug/l

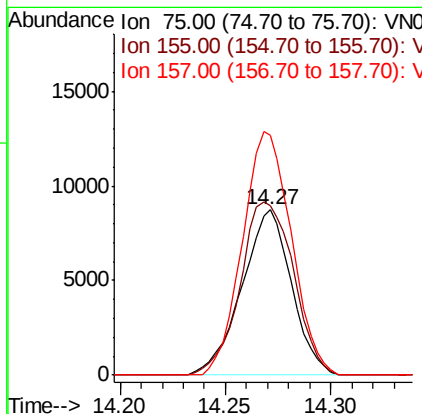
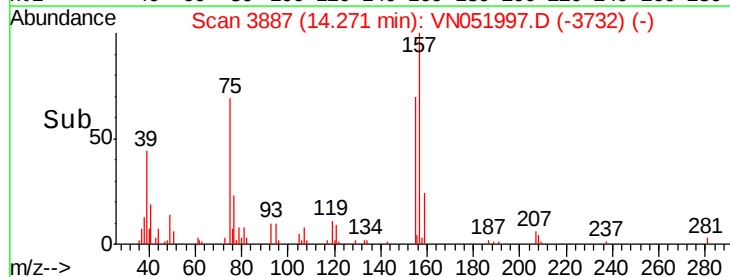
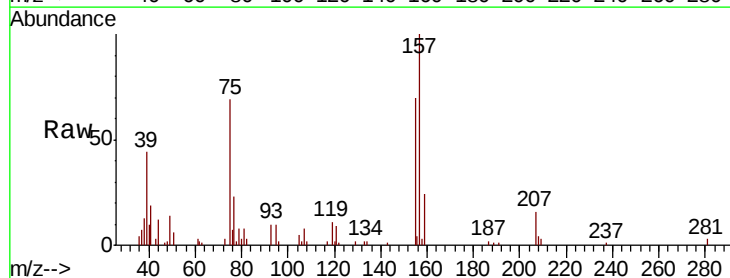
RT: 14.27 min Scan# 3887

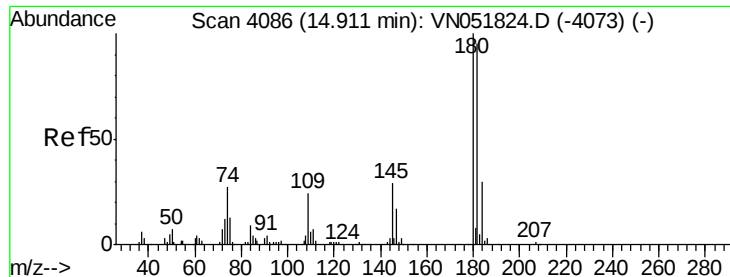
Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion:	75	Resp:	14337
Ion Ratio	Lower	Upper	
75	100		
155	112.5	57.0	85.6#
157	144.7	87.4	131.0#





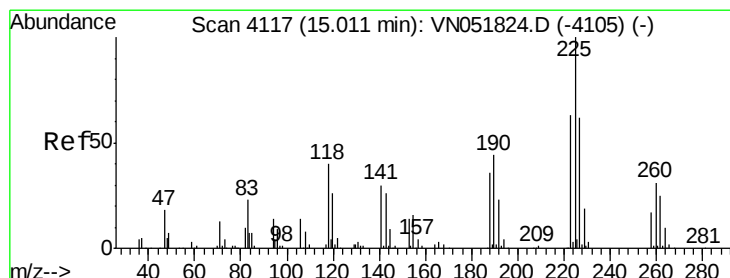
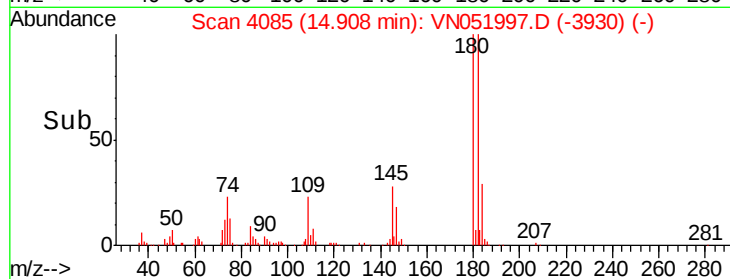
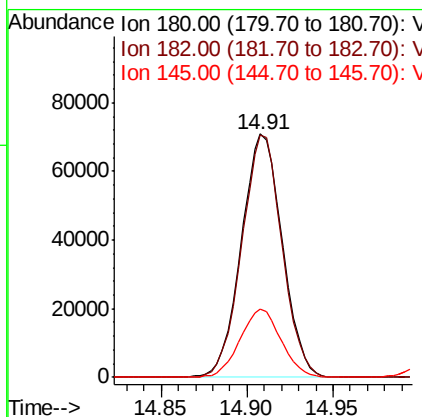
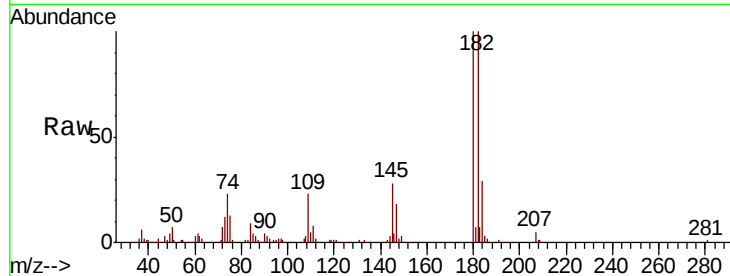
#89
 1,2,4-Trichlorobenzene
 Concen: 16.151 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117290		
182	97.6	77.7	116.5	
145	28.1	23.4	35.2	

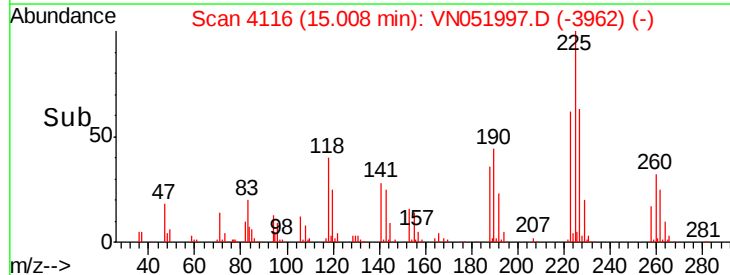
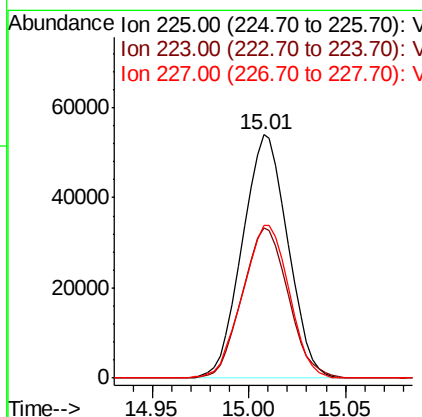
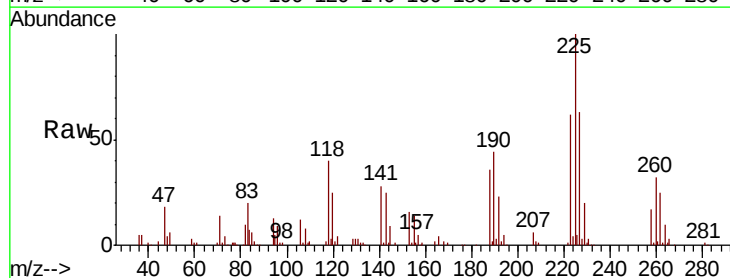
Manual Integrations
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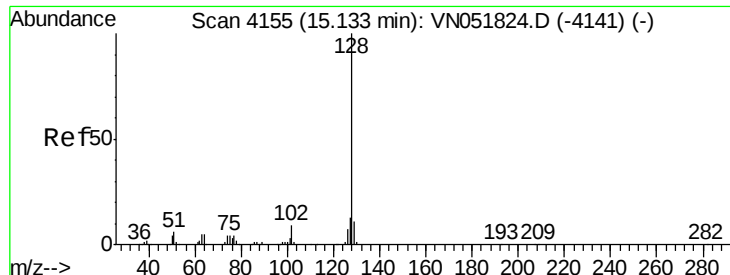
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#90
 Hexachlorobutadiene
 Concen: 13.034 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88615		
223	62.1	0.0	117.0	
227	63.8	0.0	127.0	





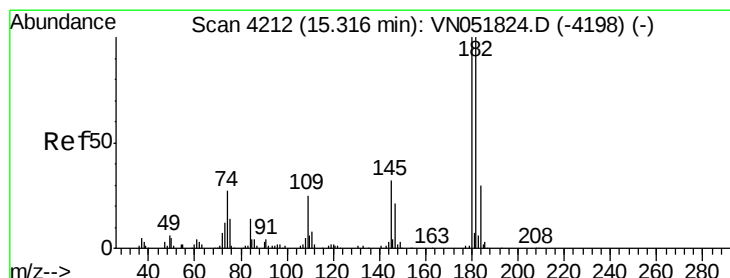
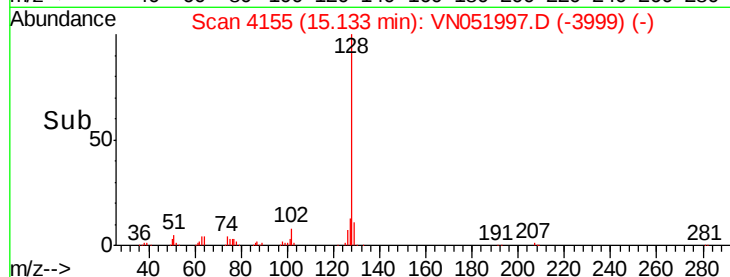
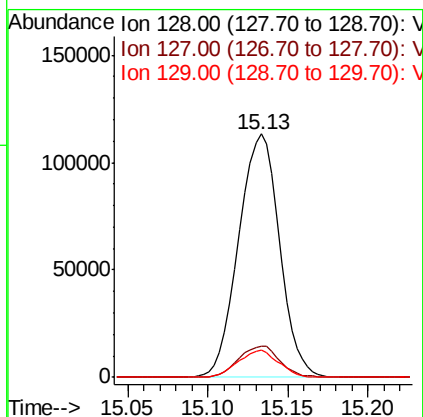
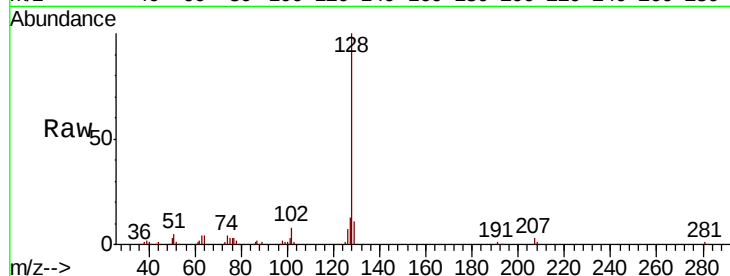
#91
Naphthalene
Concen: 15.382 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	128	Resp:	197611
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	11.0	8.4	12.6

Manual Integrations
APPROVED

apatel
10/25/2018 9:24:32 AM



#92
1,2,3-Trichlorobenzene
Concen: 9.182 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion:	180	Resp:	88133
Ion Ratio	Lower	Upper	
180	100		
182	96.3	0.0	198.0
145	29.9	0.0	36.8

