

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055743.D
 Acq On : 23 May 2019 9:21
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:20:49 AM

Quant Time: May 24 06:39:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	358421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	526240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149036	50.00	ug/l	0.00

System Monitoring Compounds

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

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	2841	1.050 ug/l	96
3) Chloromethane	2.06	50	3883	1.064 ug/l	93
4) Vinyl Chloride	2.18	62	4263	1.082 ug/l	99
6) Chloroethane	2.69	64	2429	1.098 ug/l	89
7) Trichlorofluoromethane	3.01	101	5352	1.060 ug/l	99
8) Diethyl Ether	3.40	74	2598	1.265 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	3229m	1.047 ug/l	
12) 1,1-Dichloroethene	3.73	96	3431	1.057 ug/l	97
14) Allyl chloride	4.31	41	5596	1.066 ug/l	90
15) Acrylonitrile	5.00	53	8716	5.362 ug/l	96
16) Acetone	3.82	43	9404	5.852 ug/l	99
17) Carbon Disulfide	4.04	76	10024	1.111 ug/l	98
18) Methyl Acetate	4.33	43	5888	1.714 ug/l	91
19) Methyl tert-butyl Ether	5.05	73	11322	1.057 ug/l	92
20) Methylene Chloride	4.54	84	4266	1.173 ug/l	89
21) trans-1,2-Dichloroethene	5.03	96	3623	1.049 ug/l	85
22) Diisopropyl ether	5.95	45	11139	1.067 ug/l #	80
23) Vinyl Acetate	5.90	43	46966	5.304 ug/l	98
24) 1,1-Dichloroethane	5.85	63	6795	1.118 ug/l #	90
25) 2-Butanone	6.85	43	12629	5.639 ug/l	96
26) 2,2-Dichloropropane	6.82	77	6461	1.200 ug/l	91
27) cis-1,2-Dichloroethene	6.83	96	4254m	1.054 ug/l	
28) Bromochloromethane	7.20	49	2972	1.107 ug/l #	99
29) Tetrahydrofuran	7.22	42	7978	5.388 ug/l	98
30) Chloroform	7.37	83	6493	1.037 ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	5912	1.055 ug/l #	49
36) 1,1-Dichloropropene	7.79	75	5134	1.100 ug/l	95
37) Ethyl Acetate	6.94	43	4491	1.062 ug/l #	75
38) Carbon Tetrachloride	7.77	117	5250	1.051 ug/l #	92
39) Methylcyclohexane	9.08	83	6266	1.107 ug/l	95
40) Benzene	8.04	78	14894	1.078 ug/l	97
41) Methacrylonitrile	7.18	41	2567	1.398 ug/l #	79
42) 1,2-Dichloroethane	8.12	62	4764	1.067 ug/l	88
43) Isopropyl Acetate	8.17	43	8127	1.103 ug/l #	88

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.83	130	3923	1.008	ug/l	90
45) 1,2-Dichloropropane	9.12	63	3692	1.016	ug/l	95
46) Dibromomethane	9.21	93	2333	0.979	ug/l	94
47) Bromodichloromethane	9.40	83	5266	1.059	ug/l	97
48) Methyl methacrylate	9.20	41	3337	1.011	ug/l	90
49) 1,4-Dioxane	9.20	88	1467	22.421	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	23038	5.291	ug/l	98
52) Toluene	10.16	92	9119	1.050	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	5019	0.940	ug/l #	84
54) cis-1,3-Dichloropropene	9.84	75	5735	0.980	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	3573	1.001	ug/l	98
56) Ethyl methacrylate	10.43	69	5405	0.969	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	5915	1.048	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	9483	4.095	ug/l	100
59) 2-Hexanone	10.75	43	15939	5.209	ug/l	95
60) Dibromochloromethane	10.90	129	4075	1.007	ug/l	100
61) 1,2-Dibromoethane	11.01	107	3695	1.033	ug/l	94
64) Tetrachloroethene	10.63	164	4184	1.199	ug/l	95
65) Chlorobenzene	11.43	112	9277	1.047	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	3953	1.110	ug/l #	66
67) Ethyl Benzene	11.51	91	16957	1.071	ug/l	99
68) m/p-Xylenes	11.62	106	12449	2.082	ug/l	97
69) o-Xylene	11.95	106	6482	1.105	ug/l	94
70) Styrene	11.96	104	9412	0.968	ug/l	97
71) Bromoform	12.13	173	2927	0.967	ug/l #	98
73) Isopropylbenzene	12.25	105	16363	1.344	ug/l	97
74) N-amyl acetate	12.07	43	5871	1.401	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	4844	1.292	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	3788m	1.233	ug/l	
77) Bromobenzene	12.53	156	3681	1.195	ug/l	85
78) n-propylbenzene	12.59	91	15410	1.168	ug/l	100
79) 2-Chlorotoluene	12.67	91	9987	1.242	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	13295	1.300	ug/l	97
82) 4-Chlorotoluene	12.77	91	8755	1.125	ug/l	99
83) tert-Butylbenzene	12.99	119	12141	1.353	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	12324	1.223	ug/l	100
85) sec-Butylbenzene	13.17	105	13915	1.221	ug/l	99
86) p-Isopropyltoluene	13.29	119	12264	1.171	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	5586	1.103	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	5175m	1.075	ug/l	
89) n-Butylbenzene	13.61	91	8629	1.060	ug/l	99
90) Hexachloroethane	13.87	117	2402	1.201	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	5584	1.107	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	782	1.172	ug/l	89
93) 1,2,4-Trichlorobenzene	14.91	180	1945	0.768	ug/l	87
94) Hexachlorobutadiene	15.01	225	2334	1.300	ug/l	92
95) Naphthalene	15.13	128	5743	0.839	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	2130	0.798	ug/l	96

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VSTDICC001

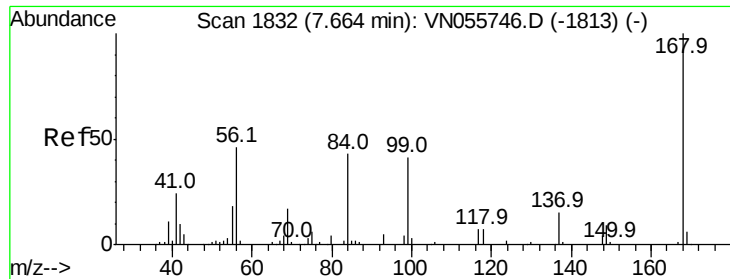
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 358421

Ion Ratio Lower Upper

168 100

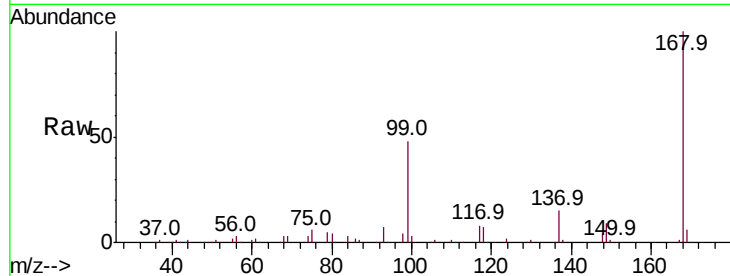
99 47.4 37.2 55.8

Manual Integrations

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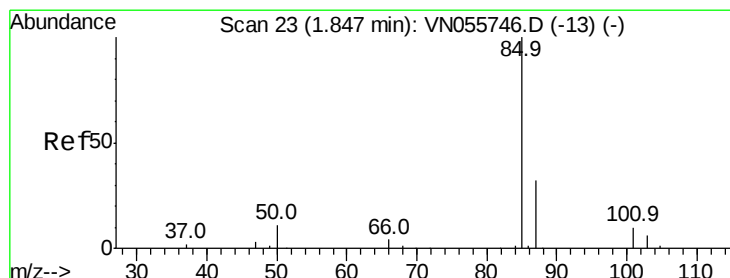
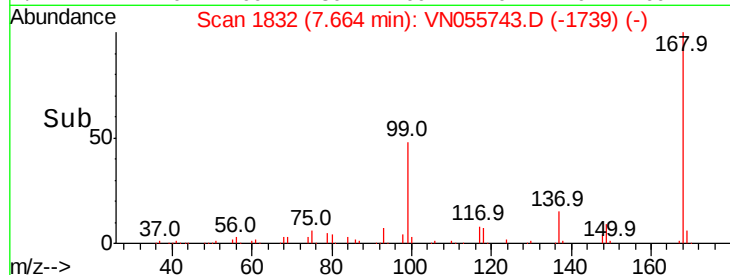
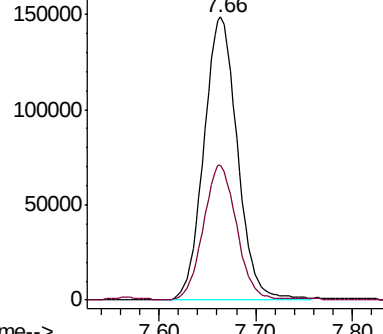
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 1.050 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055743.D

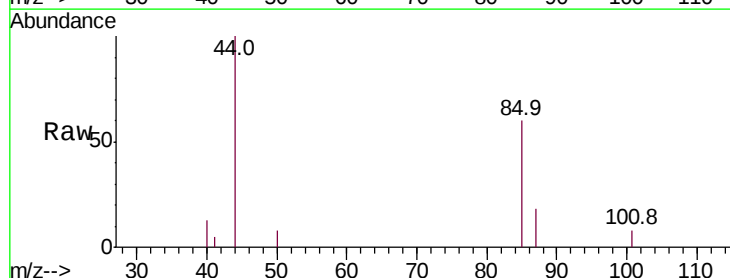
Acq: 23 May 2019 9:21

Tgt Ion: 85 Resp: 2841

Ion Ratio Lower Upper

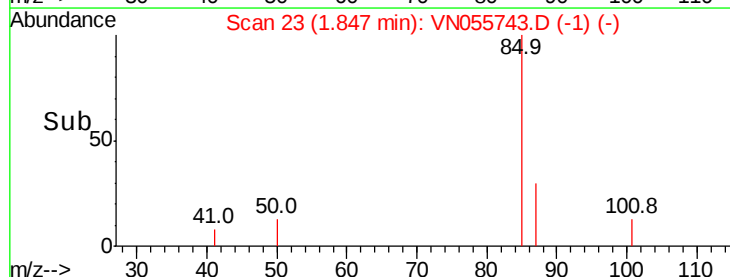
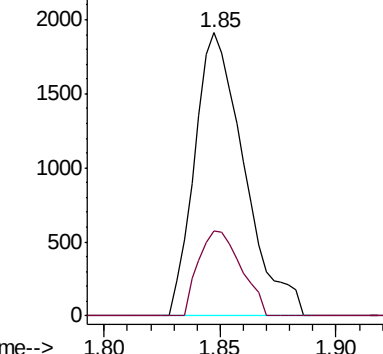
85 100

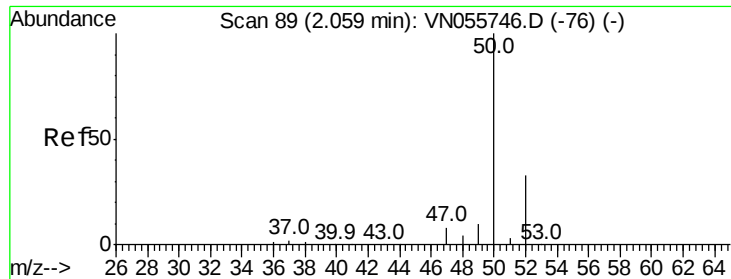
87 29.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





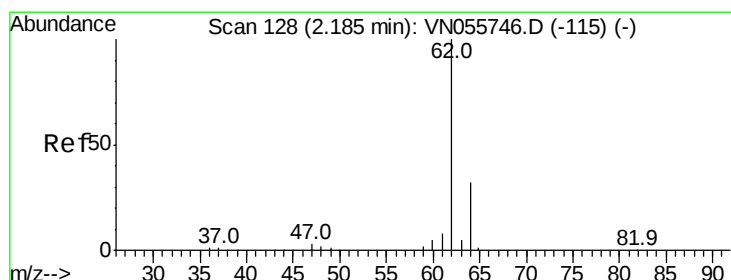
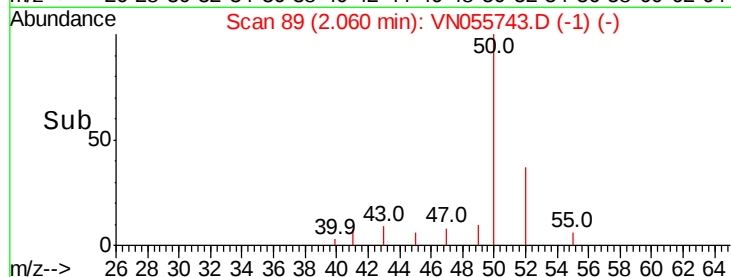
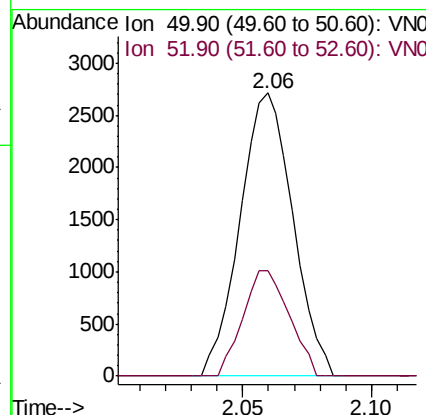
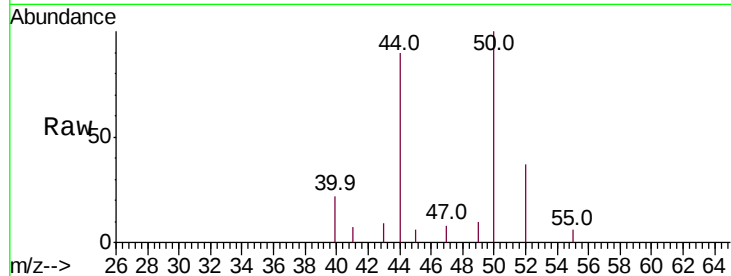
#3
 Chloromethane
 Concen: 1.064 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
50	100		
52	37.5	26.6	40.0

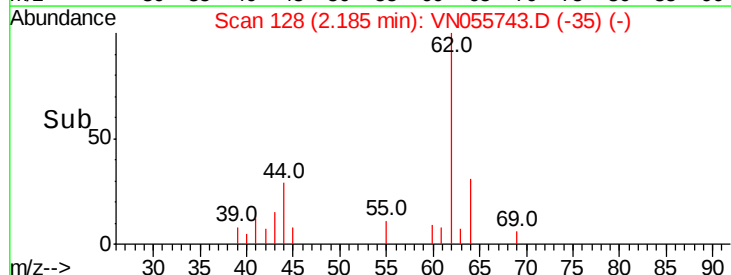
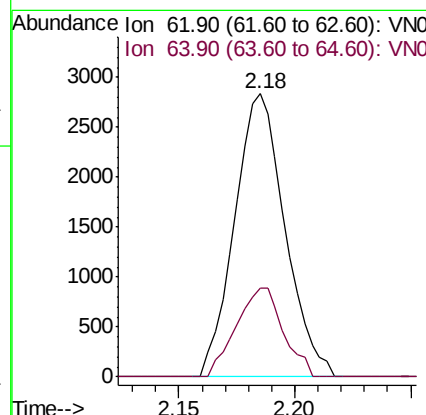
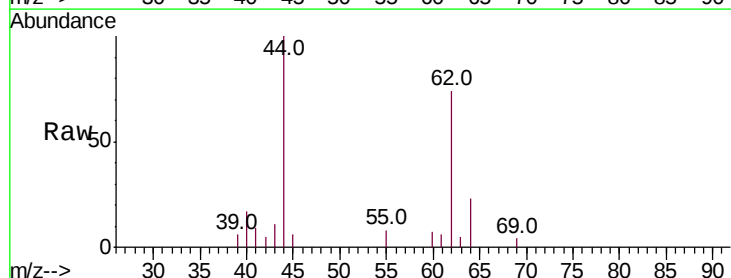
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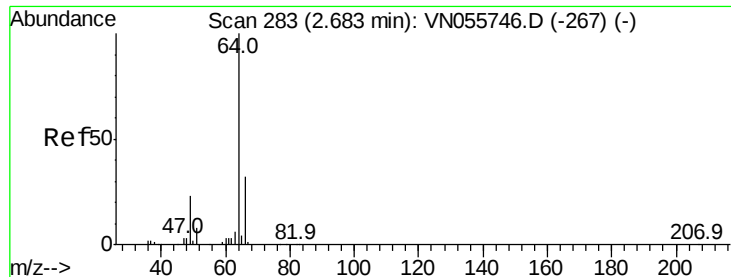
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#4
 Vinyl Chloride
 Concen: 1.082 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.6	38.4





#6

Chloroethane

Concen: 1.098 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 2429

Ion Ratio Lower Upper

64 100

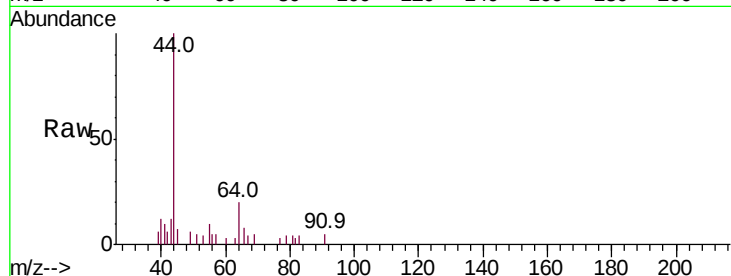
66 37.9 25.4 38.0

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Abundance Ion 63.90 (63.60 to 64.60): VN055746.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN055746.D (-267) (-)

2.69

1200

1000

800

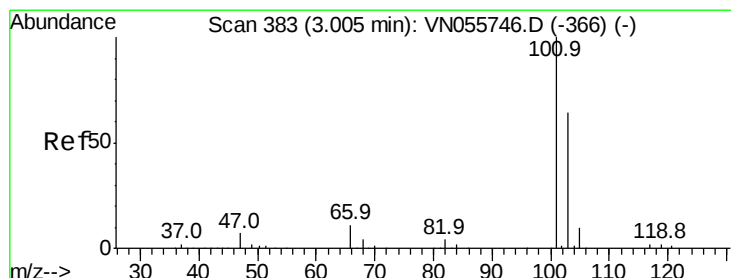
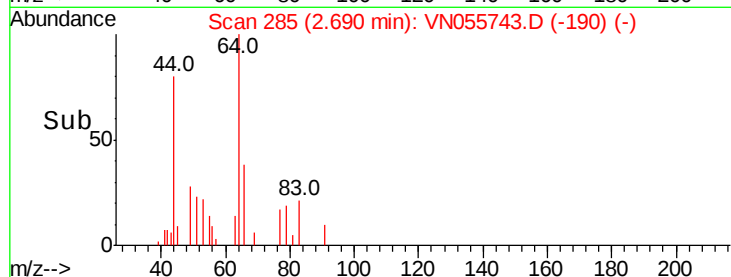
600

400

200

0

Time-->



#7

Trichlorofluoromethane

Concen: 1.060 ug/l

RT: 3.01 min Scan# 384

Delta R.T. 0.00 min

Lab File: VN055743.D

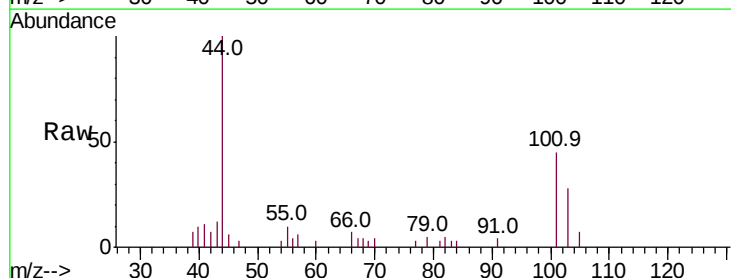
Acq: 23 May 2019 9:21

Tgt Ion: 101 Resp: 5352

Ion Ratio Lower Upper

101 100

103 63.1 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): VN055746.D (-366) (-)

Ion 102.80 (102.50 to 103.50): VN055746.D (-366) (-)

3.01

3000

2500

2000

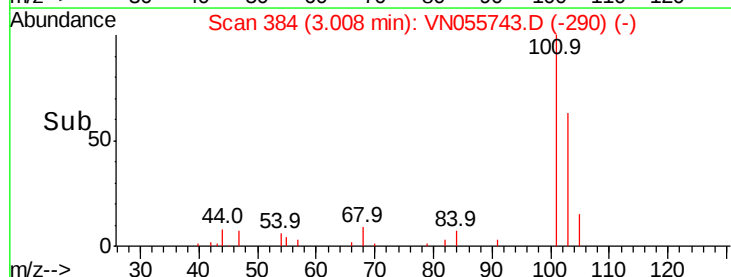
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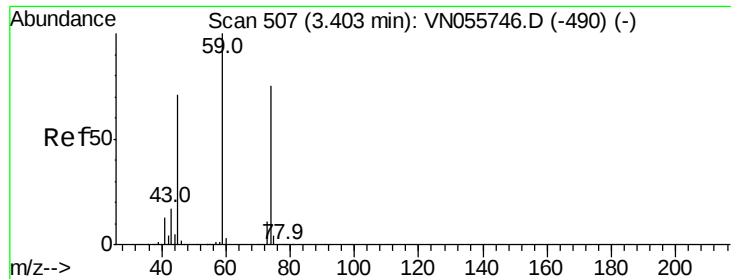
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 1.265 ug/l

RT: 3.40 min Scan# 506

Delta R.T. -0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

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VSTDIC001

Tot Ion: 74 Resp: 2598

Ion Ratio Lower Upper

74 100

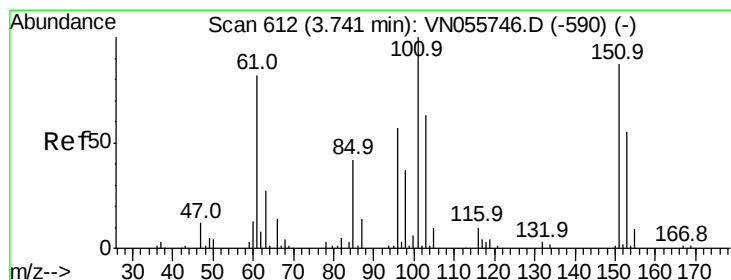
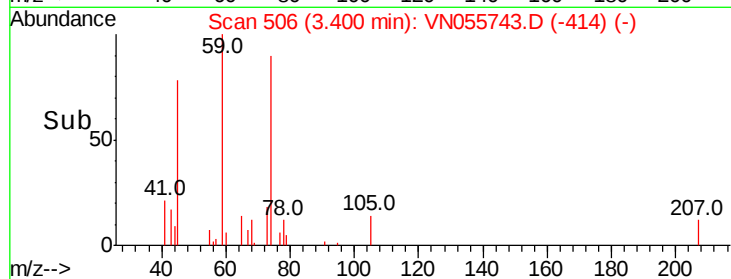
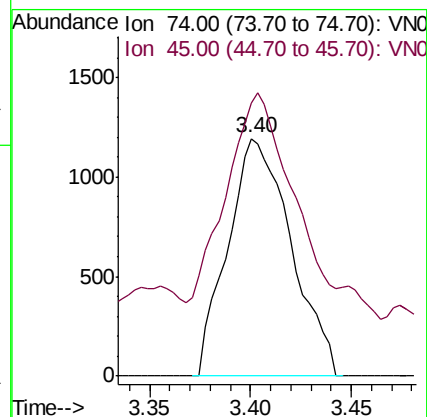
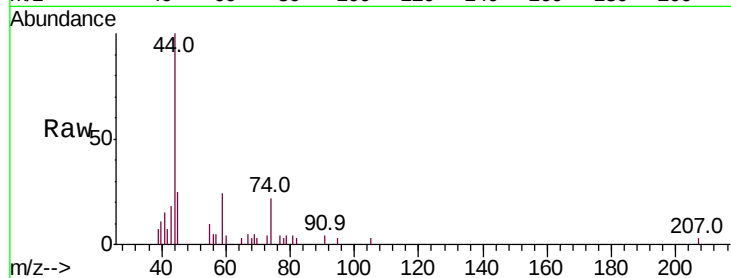
45 107.3 48.6 145.9

Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.047 ug/l m

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

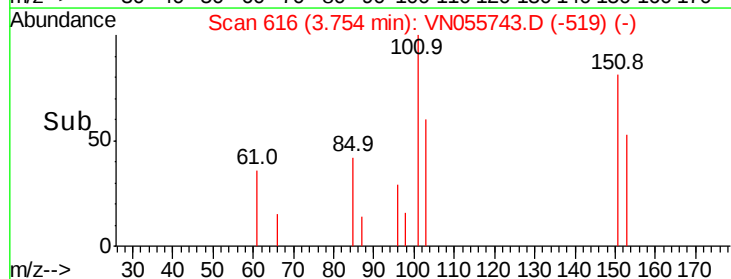
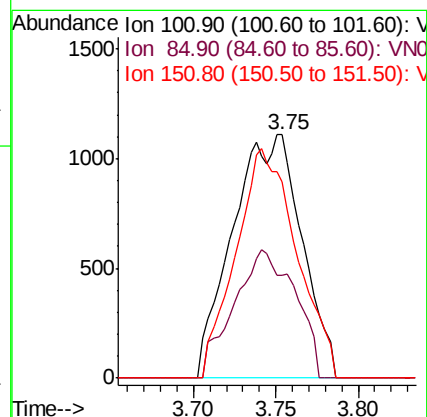
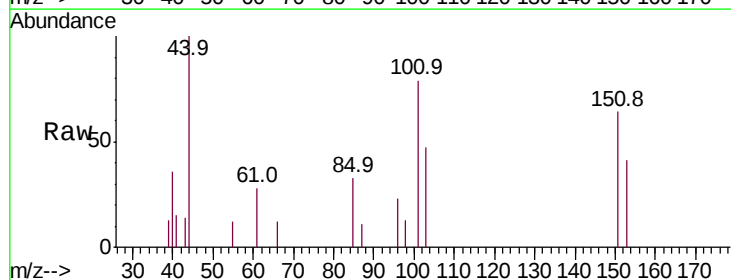
Tgt Ion: 101 Resp: 3229

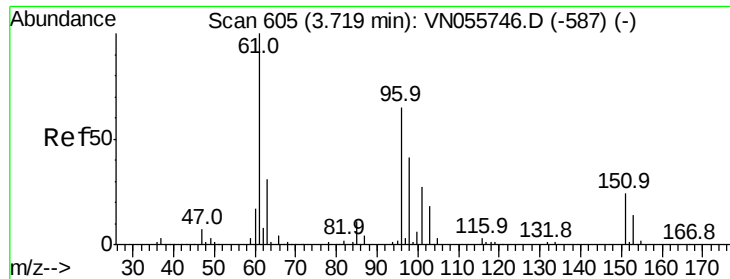
Ion Ratio Lower Upper

101 100

85 46.9 33.4 50.2

151 83.2 69.4 104.2





#12

1,1-Dichloroethene

Concen: 1.057 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.01 min

Lab File: VN055743.D

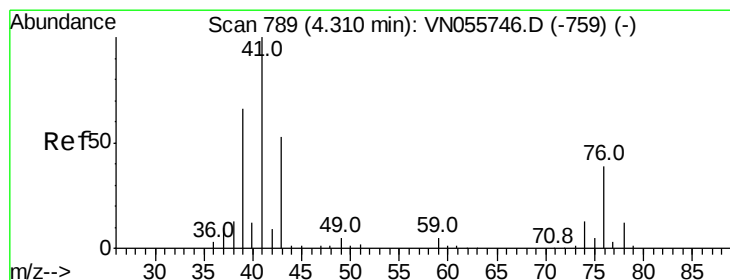
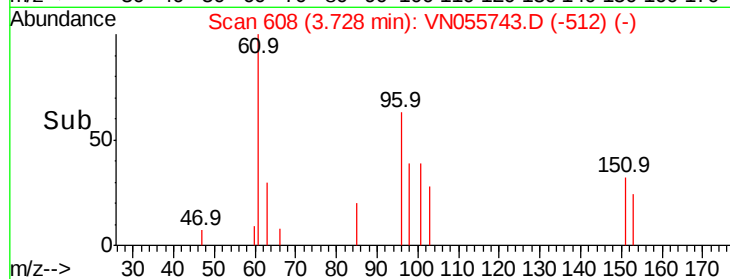
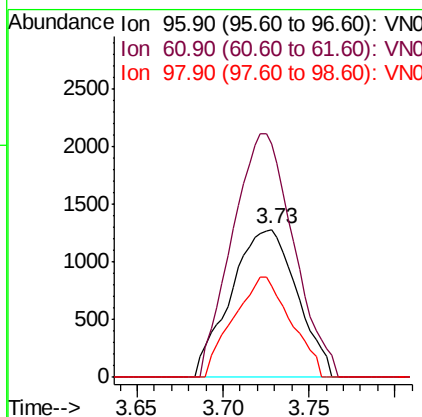
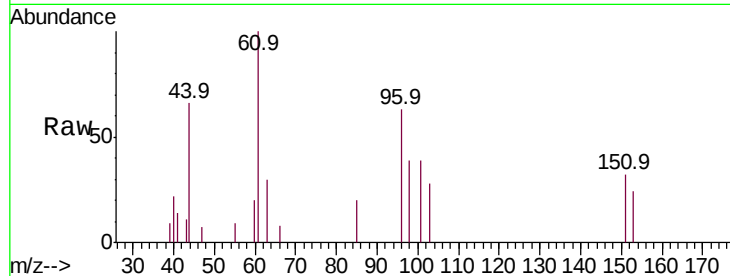
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VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.8	123.2	184.8
98	61.2	50.4	75.6

Manual Integrations
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#14

Allyl chloride

Concen: 1.066 ug/l

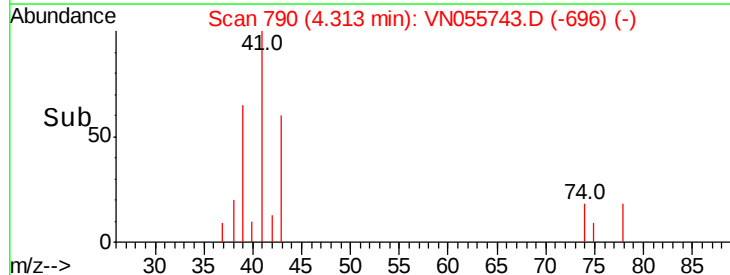
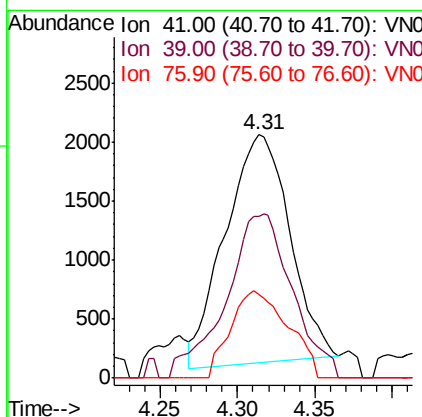
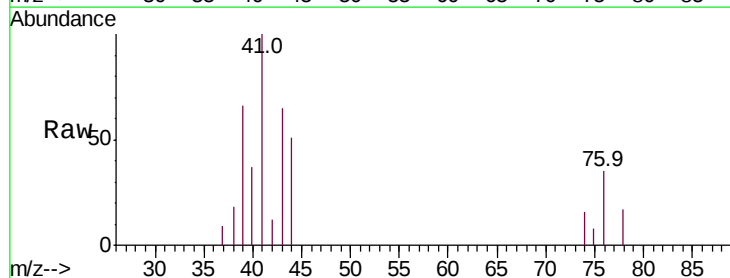
RT: 4.31 min Scan# 790

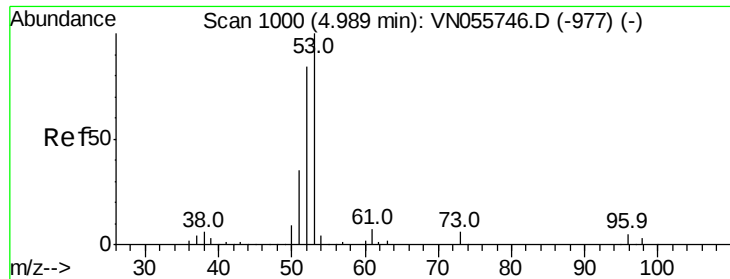
Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.1	50.0	75.0
76	34.3	28.2	42.2





#15

Acrylonitrile

Concen: 5.362 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

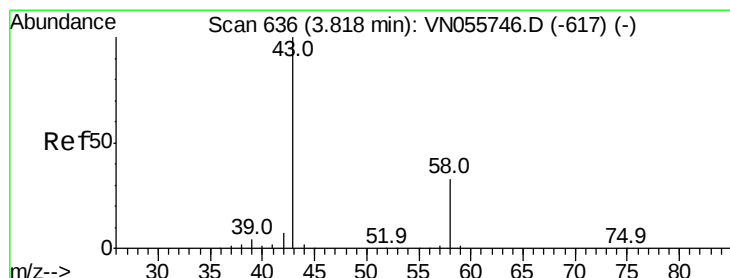
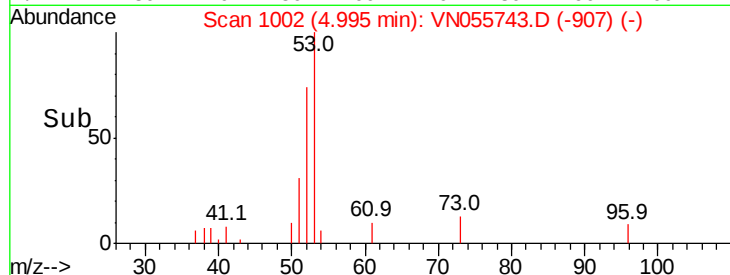
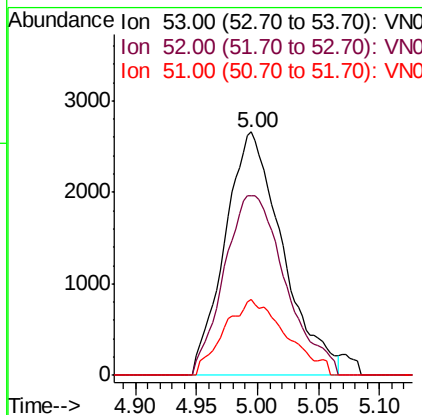
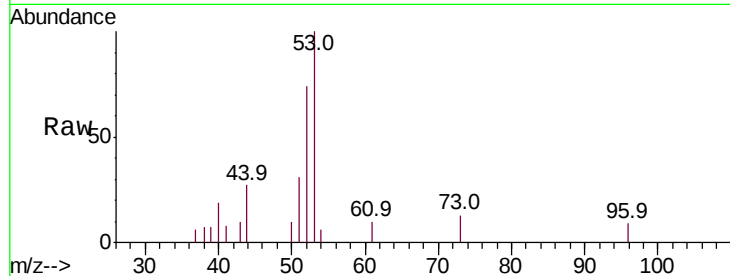
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	8716
Ion	Ratio	Lower	Upper
53	100		
52	78.6	65.8	98.8
51	33.5	28.2	42.4

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#16

Acetone

Concen: 5.852 ug/l

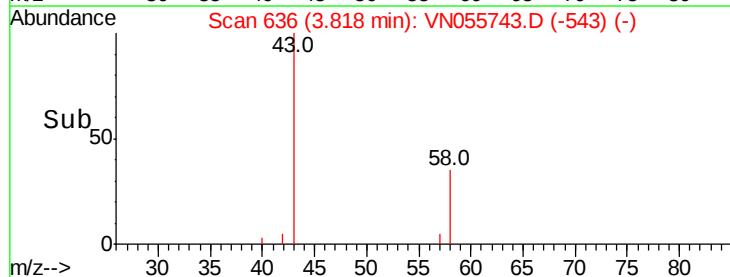
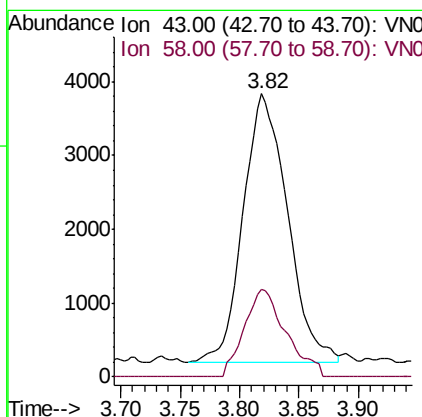
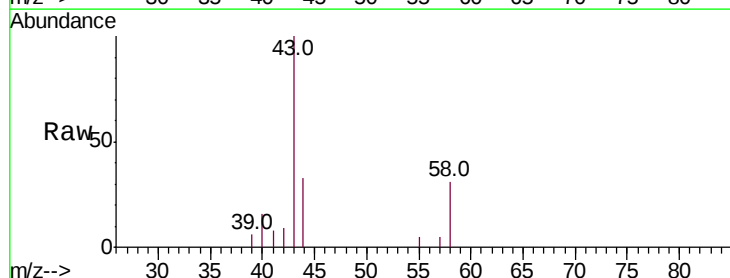
RT: 3.82 min Scan# 636

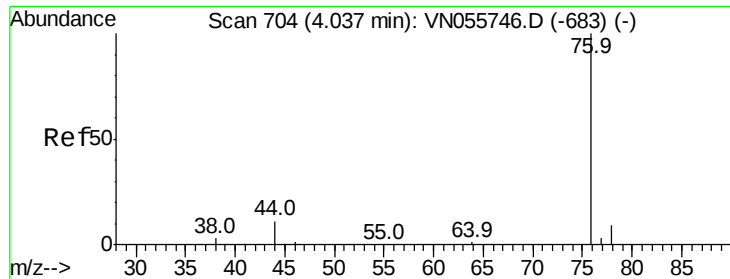
Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Tgt Ion:	43	Resp:	9404
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.6	39.8





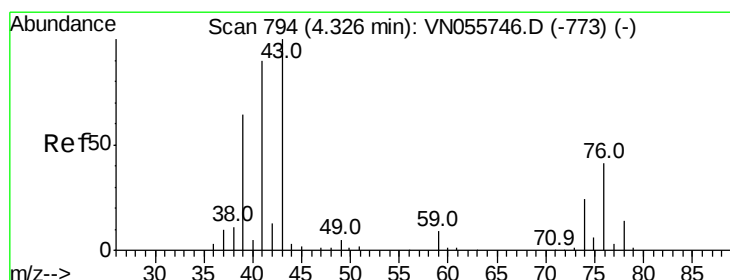
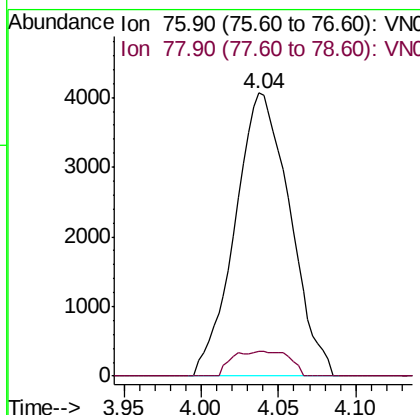
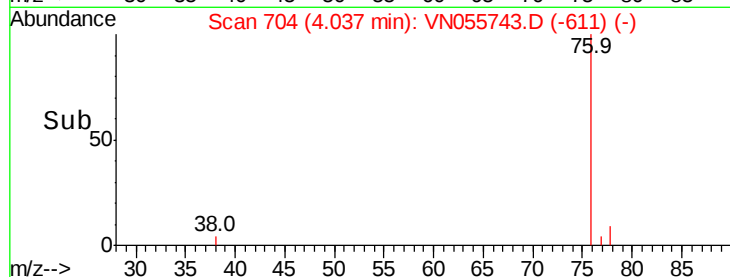
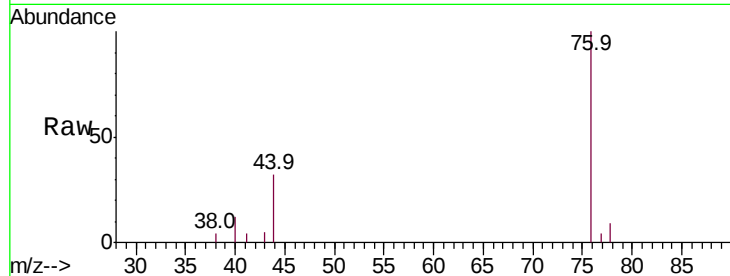
#17
Carbon Disulfide
Concen: 1.111 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.2

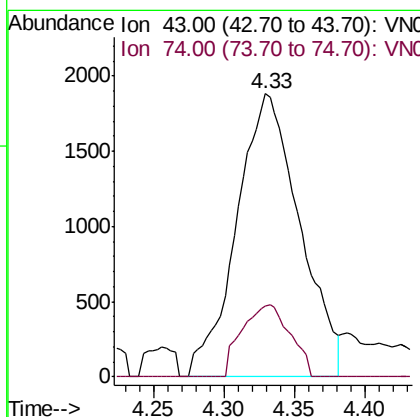
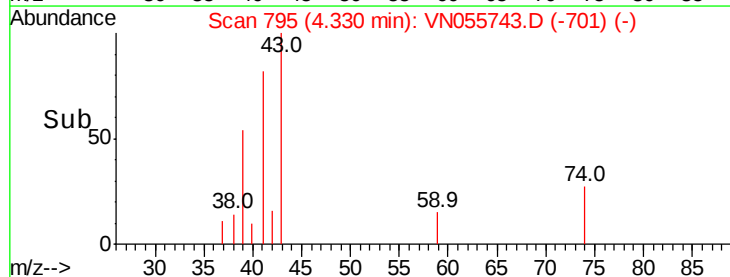
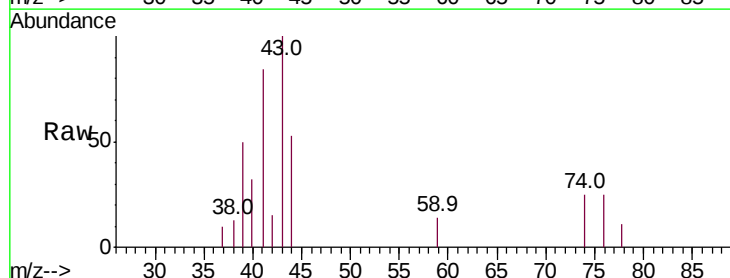
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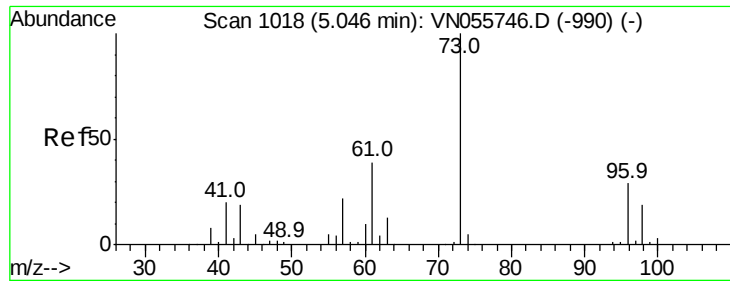
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#18
Methyl Acetate
Concen: 1.714 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	19.3	28.9





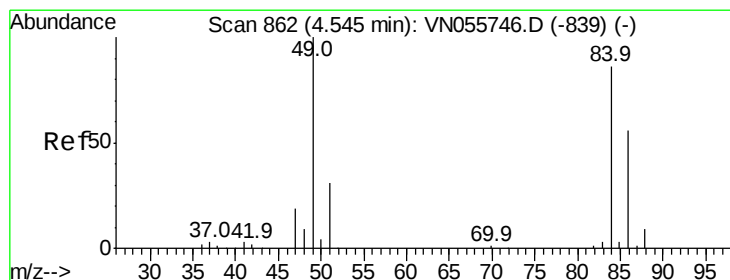
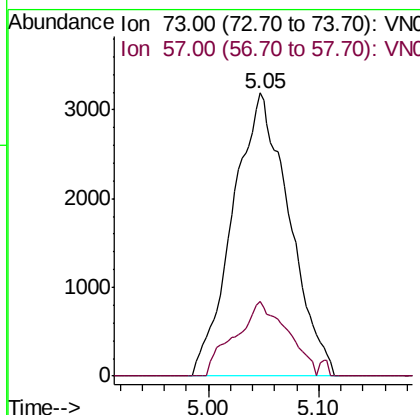
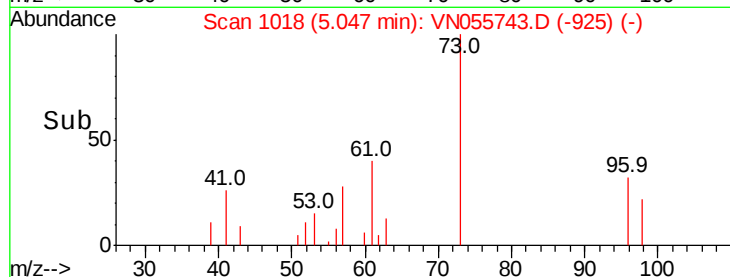
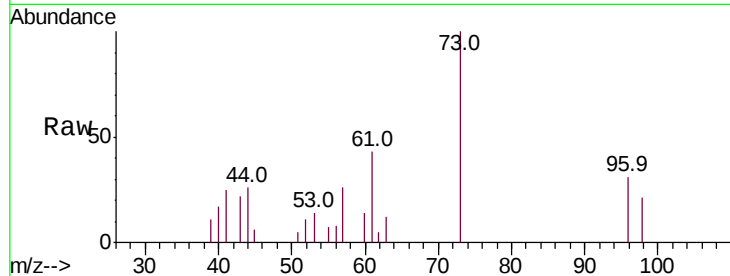
#19
Methvl tert-butvl Ether
Concen: 1.057 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 11322
Ion Ratio Lower Upper
73 100
57 26.3 17.8 26.8

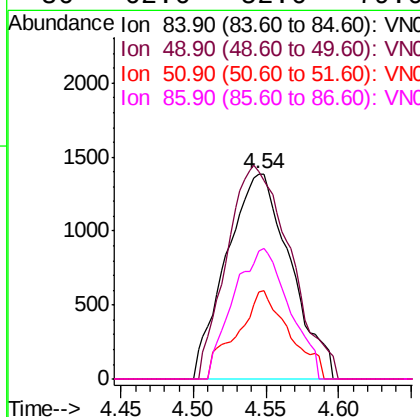
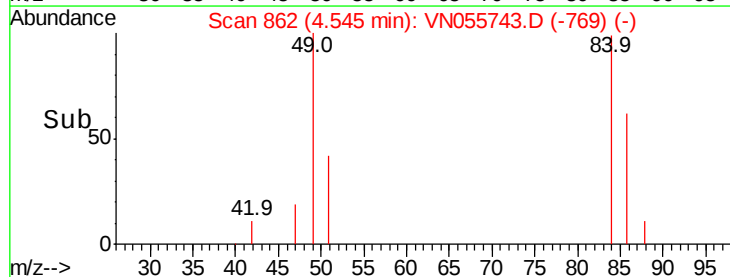
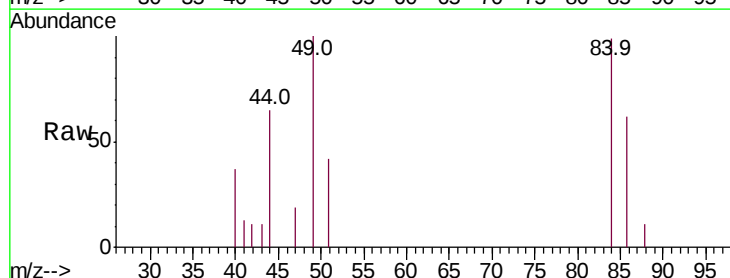
Manual Integrations
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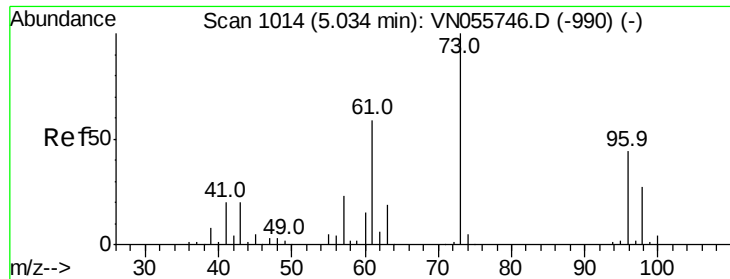
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#20
Methylene Chloride
Concen: 1.173 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 84 Resp: 4266
Ion Ratio Lower Upper
84 100
49 100.9 93.5 140.3
51 42.5 28.6 43.0
86 62.6 52.6 79.0





#21

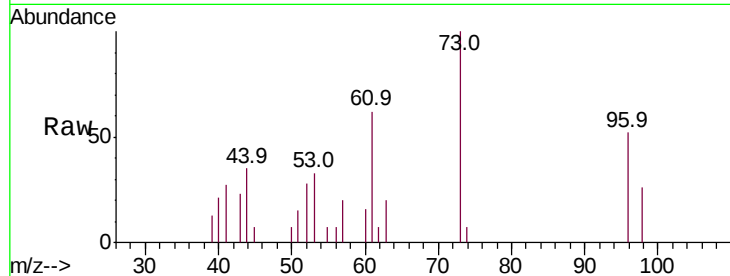
trans-1,2-Dichloroethene
Concen: 1.049 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	117.8	107.8	161.8
98	50.1	49.8	74.8

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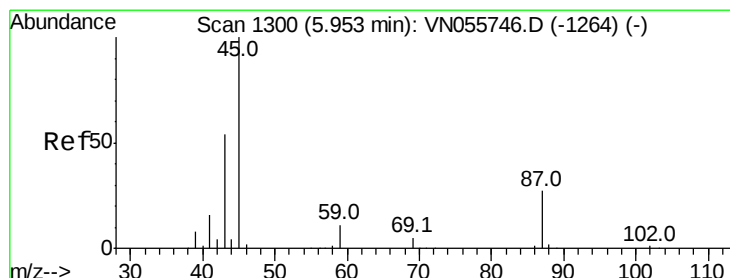
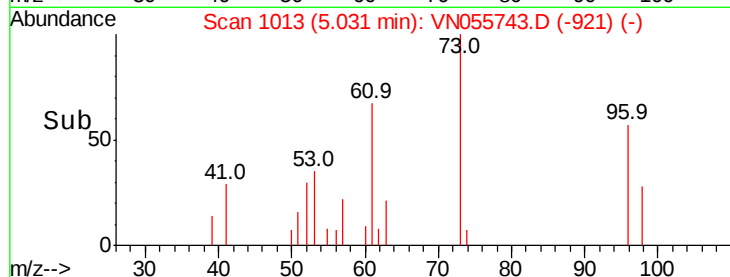
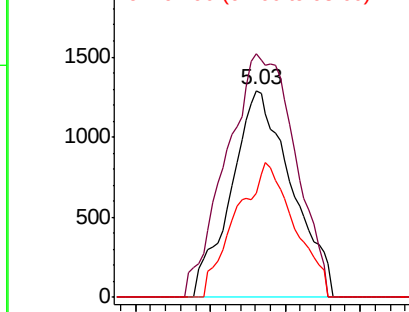


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 1.067 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	79.7	45.0	67.6#
87	25.5	22.2	33.4
59	10.5	9.1	13.7

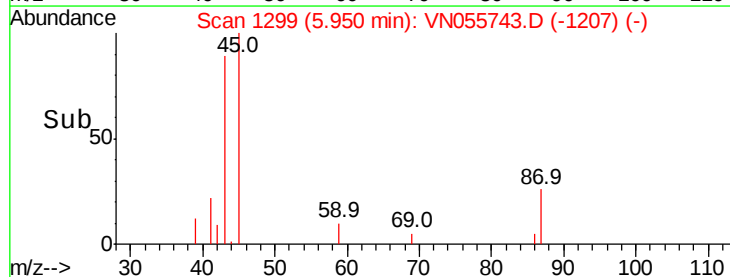
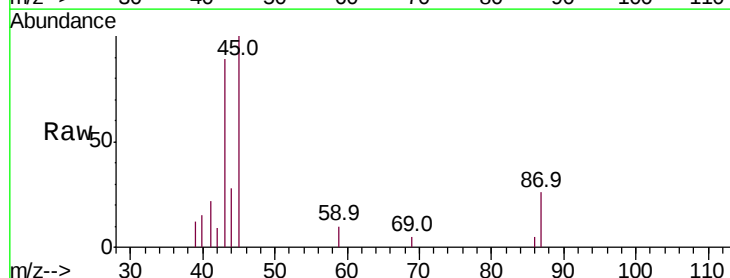
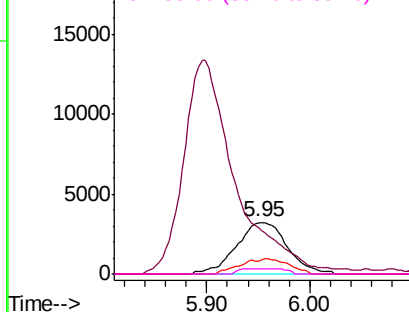
Abundance

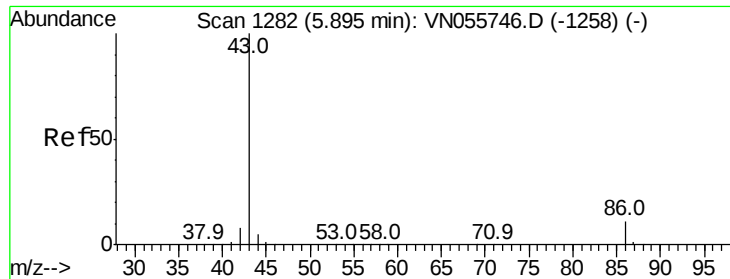
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





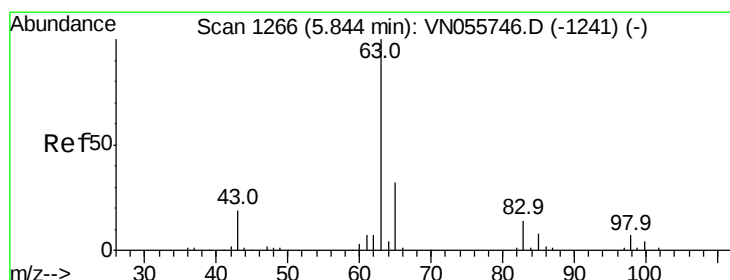
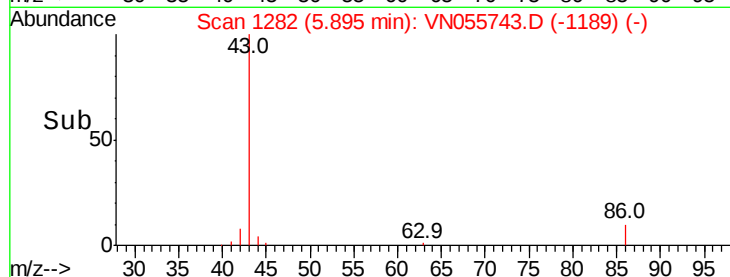
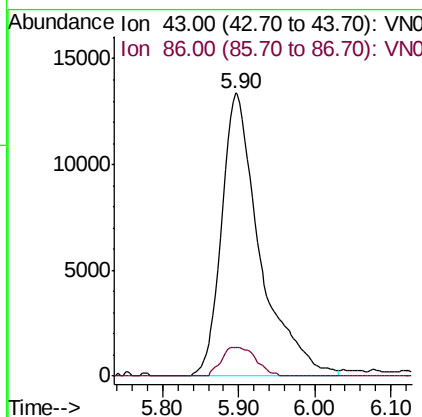
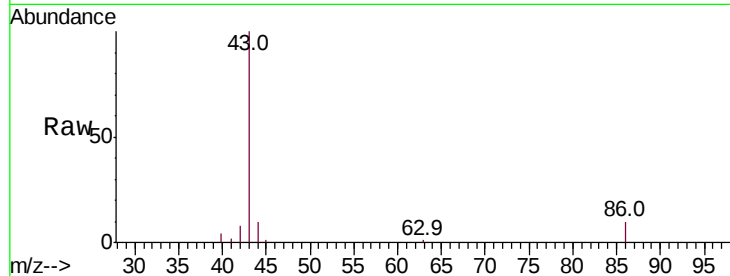
#23
 Vinyl Acetate
 Concen: 5.304 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43	86	Ratio	100	10.0	Resp	Lower	Upper
46966							8.6	13.0

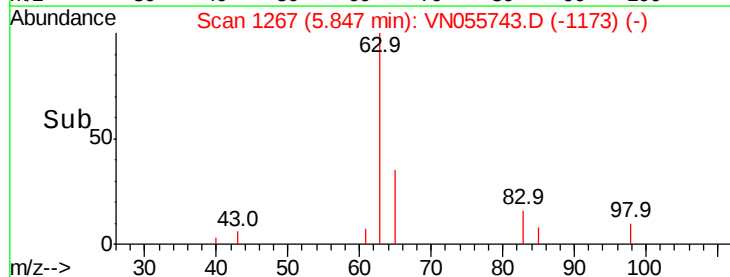
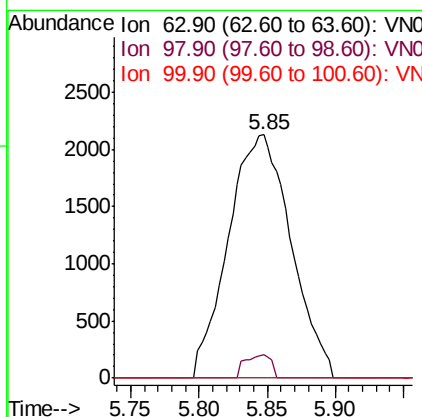
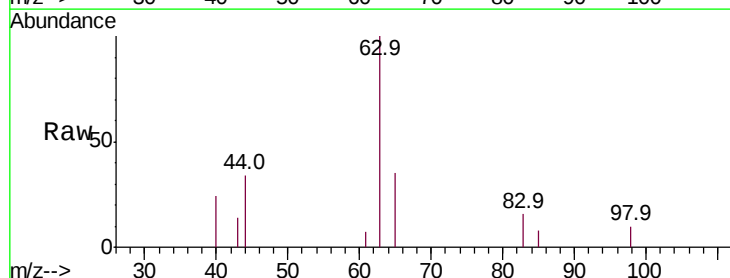
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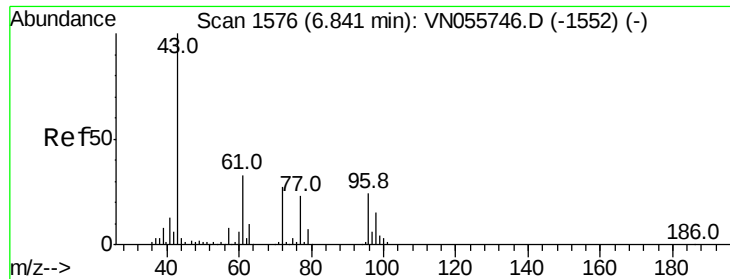
MMDadoda
 5/24/2019 9:20:49 AM



#24
 1,1-Dichloroethane
 Concen: 1.118 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion	63	98	100	Ratio	100	9.6	0.0	Resp	Lower	Upper
6795									3.4	10.1





#25

2-Butanone

Concen: 5.639 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 12629

Ion Ratio Lower Upper

43 100

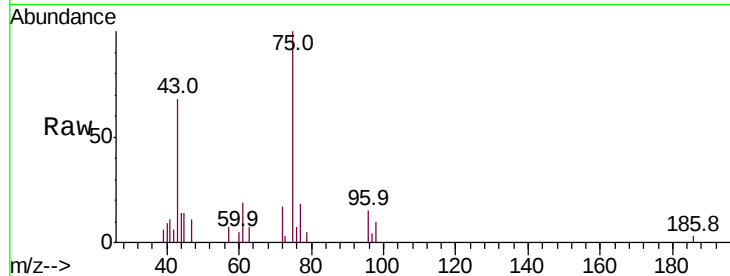
72 25.5 21.9 32.9

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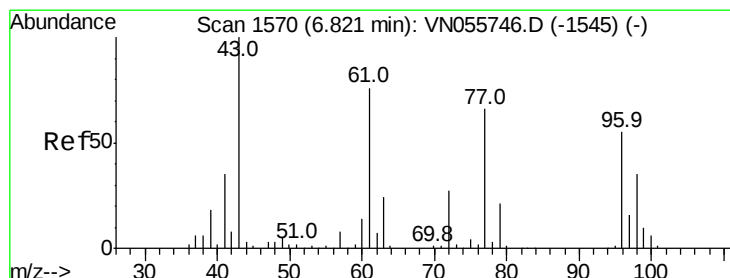
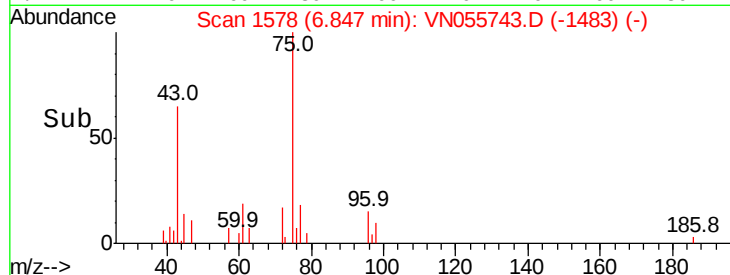
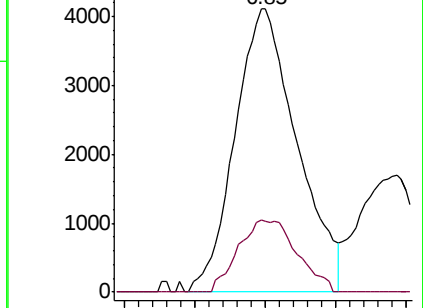
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 1.200 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055743.D

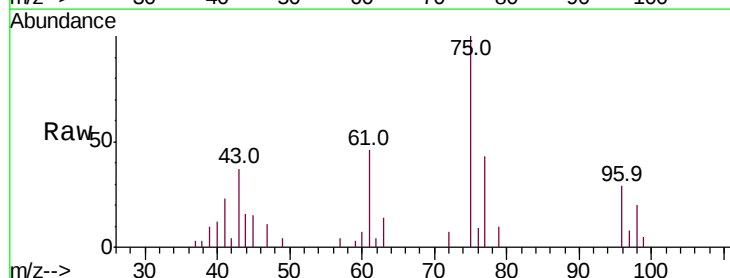
Acq: 23 May 2019 9:21

Tgt Ion: 77 Resp: 6461

Ion Ratio Lower Upper

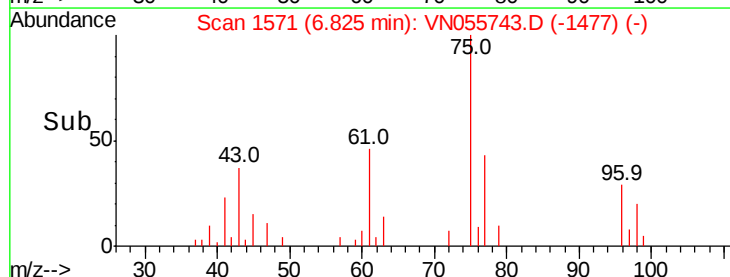
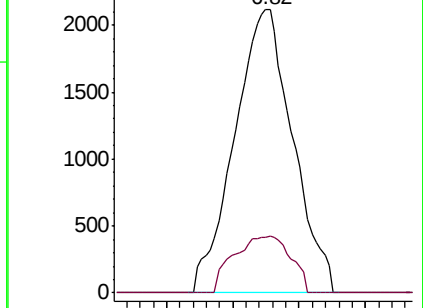
77 100

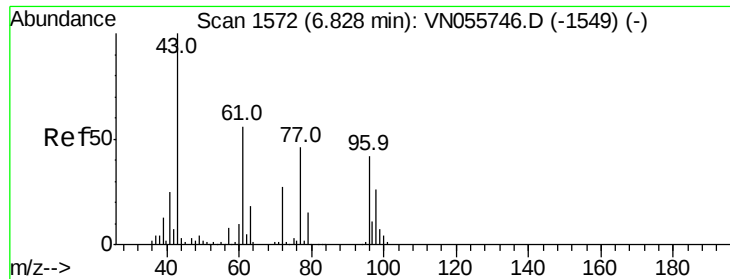
97 19.7 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 1.054 ug/l m

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN055743.D

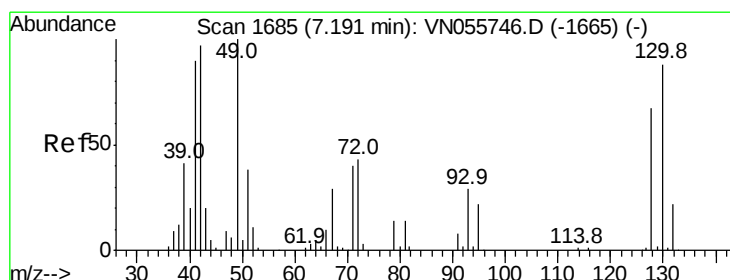
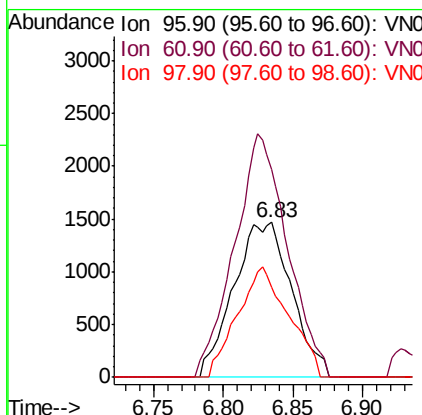
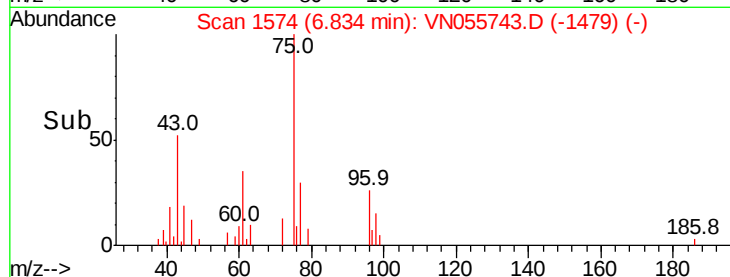
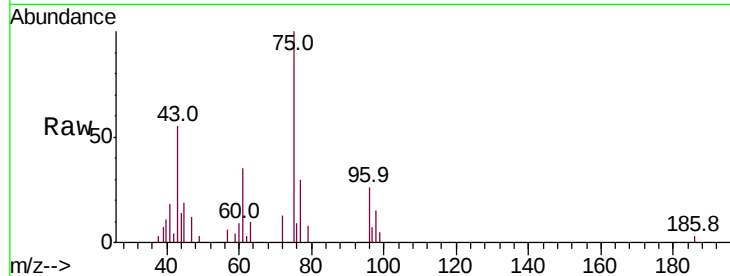
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	275.8
98	63.0	0.0	128.4

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#28

Bromochloromethane

Concen: 1.107 ug/l

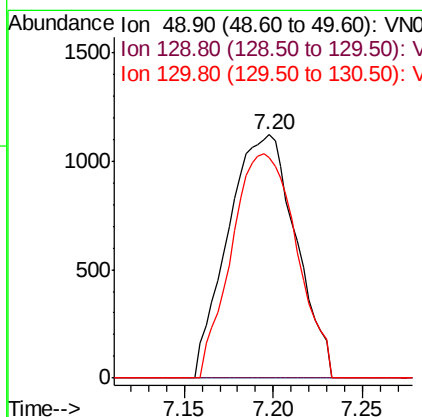
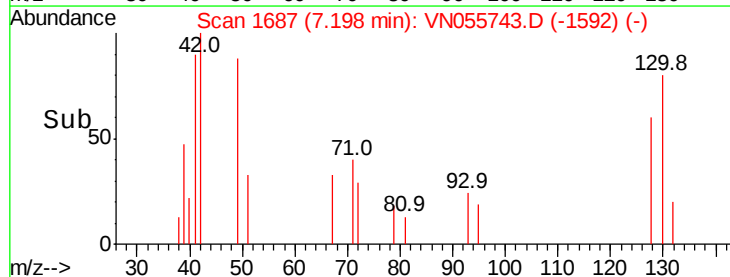
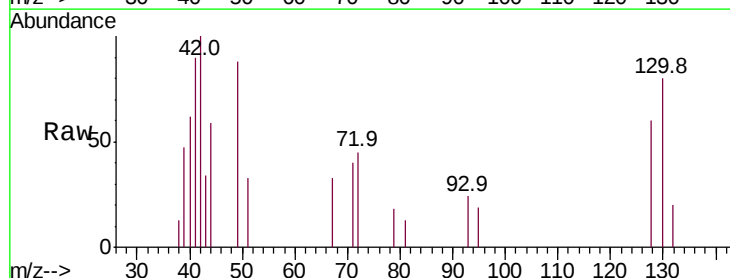
RT: 7.20 min Scan# 1687

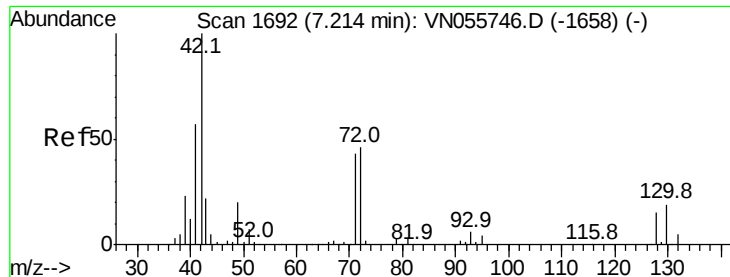
Delta R.T. 0.01 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	88.5	71.2	106.8





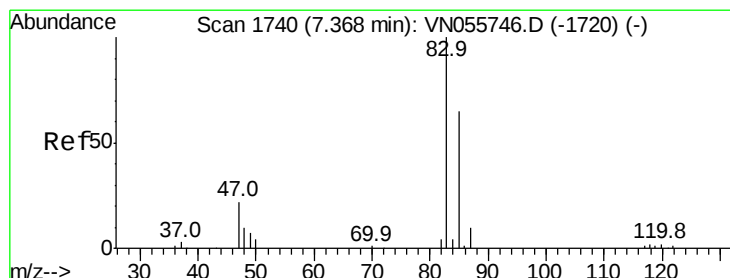
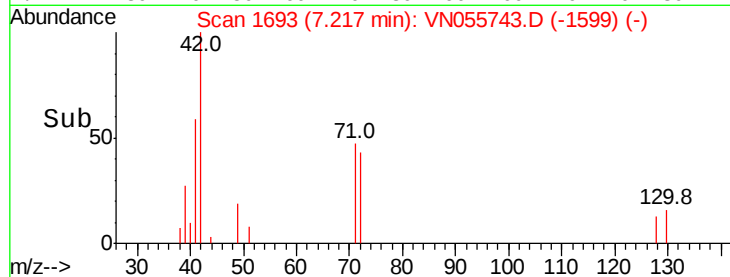
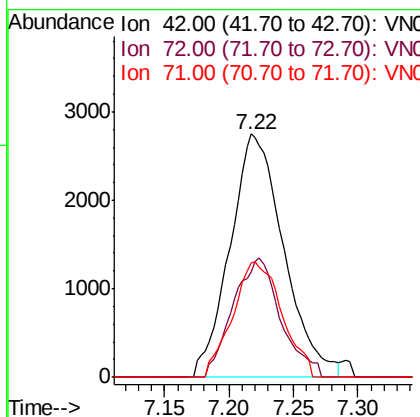
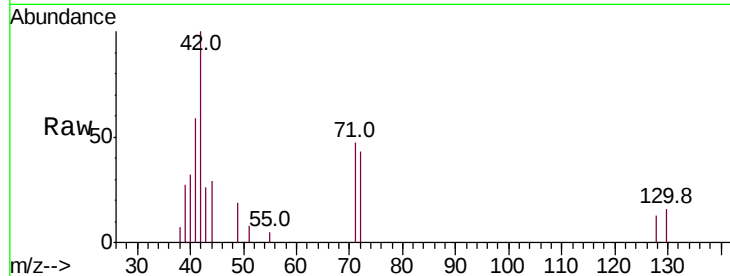
#29
Tetrahydrofuran
Concen: 5.388 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	42	Resp:	7978
Ion Ratio	Lower	Upper	
42	100		
72	43.6	35.9	53.9
71	43.5	34.0	51.0

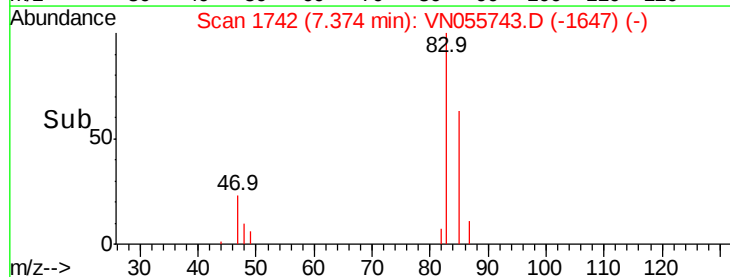
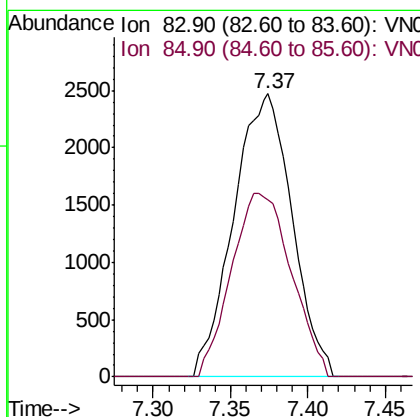
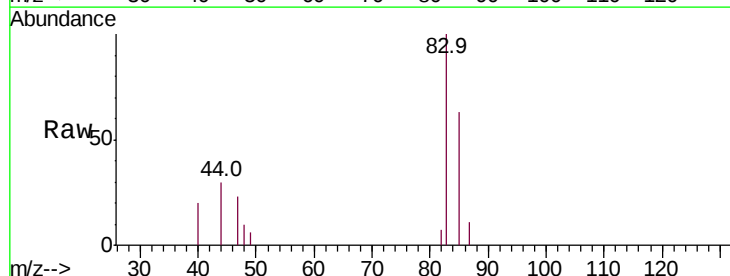
Manual Integrations
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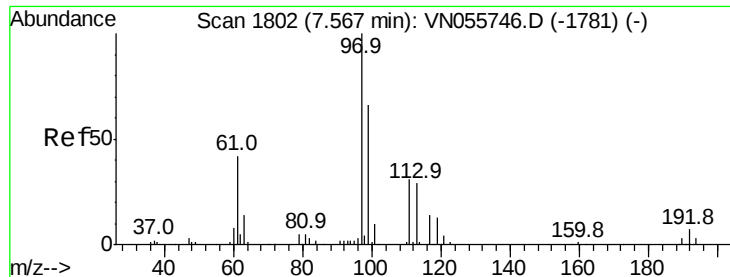
MMDadoda
5/24/2019 9:20:49 AM



#30
Chloroform
Concen: 1.037 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion:	83	Resp:	6493
Ion Ratio	Lower	Upper	
83	100		
85	62.7	51.8	77.8





#32

1,1,1-Trichloroethane

Concen: 1.055 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

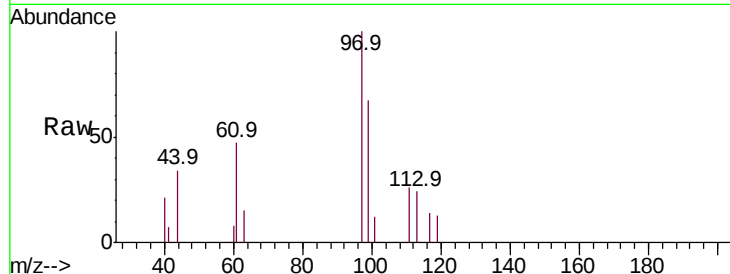
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	5912
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	40.3	32.9	49.3

Manual Integrations
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MMDadoda
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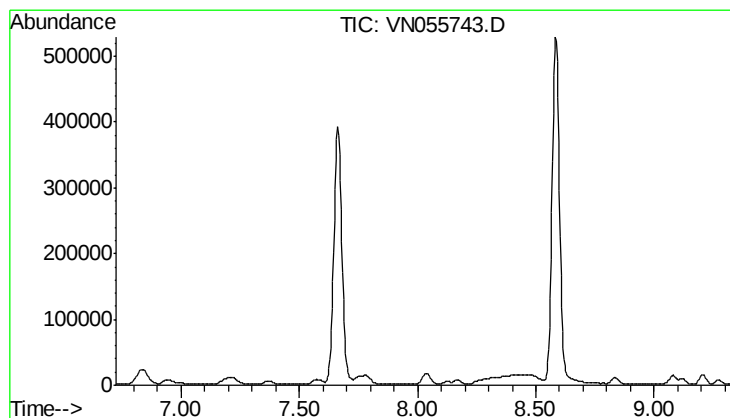
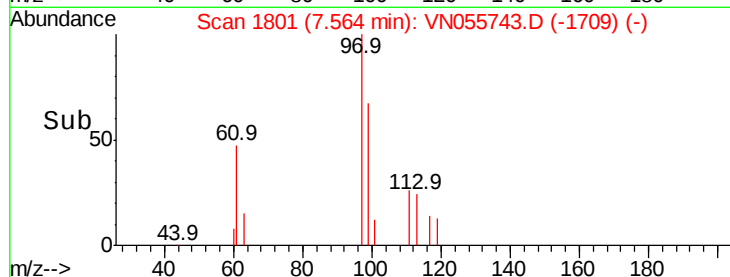
Abundance

Ion 96.90 (96.60 to 97.60): VN055743.D

Ion 98.90 (98.60 to 99.60): VN055743.D

Ion 60.90 (60.60 to 61.60): VN055743.D

Time-->



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.02 min

Lab File: VN055743.D

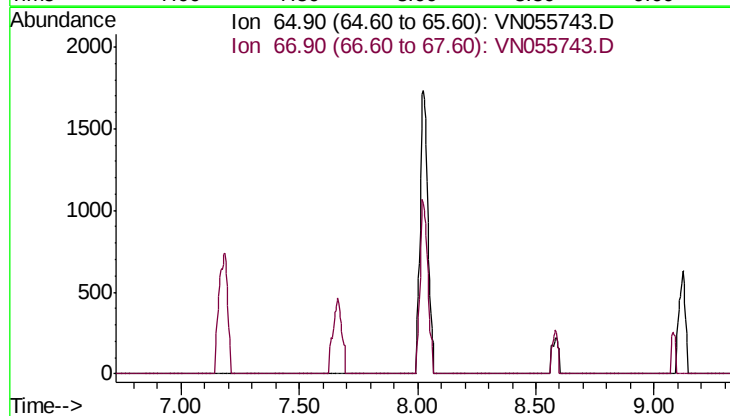
Acq: 23 May 2019 9:21

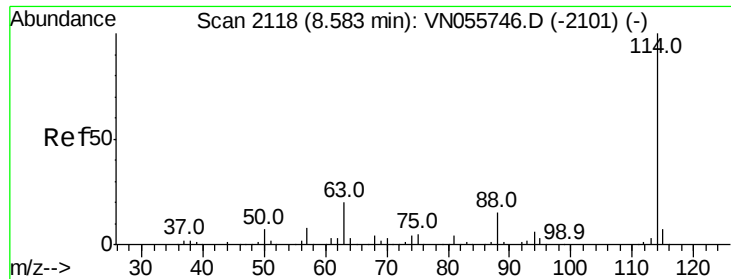
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.6





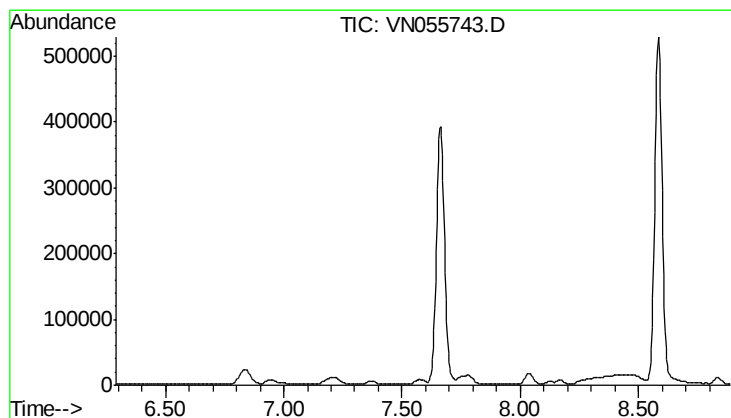
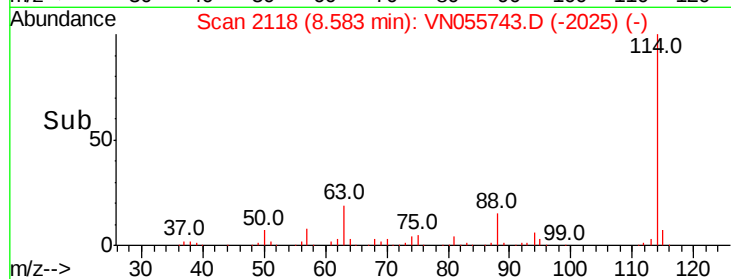
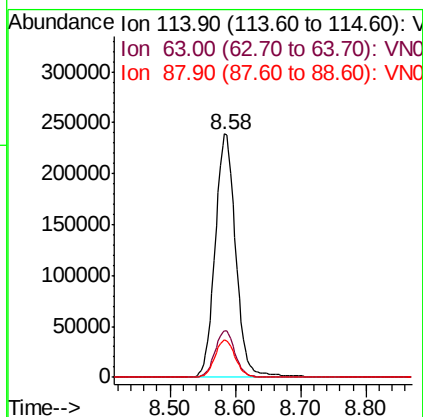
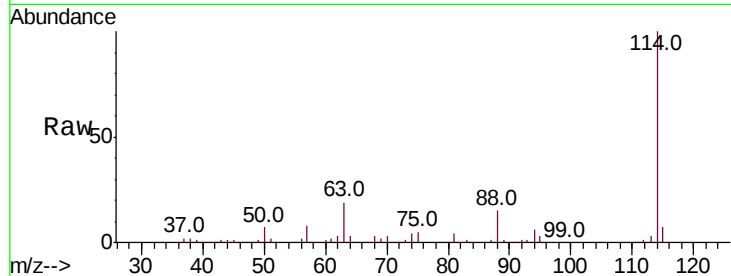
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	19.3	0.0	39.2
88	15.4	0.0	31.0

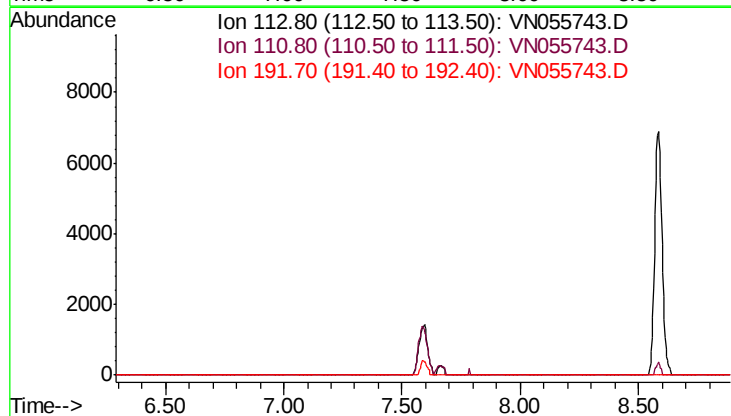
Manual Integrations
 APPROVED

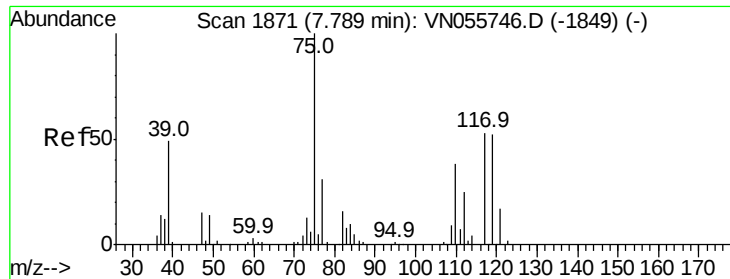
MMDadoda
 5/24/2019 9:20:49 AM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion	Exp Ratio
113	100
111	102.4
192	24.4





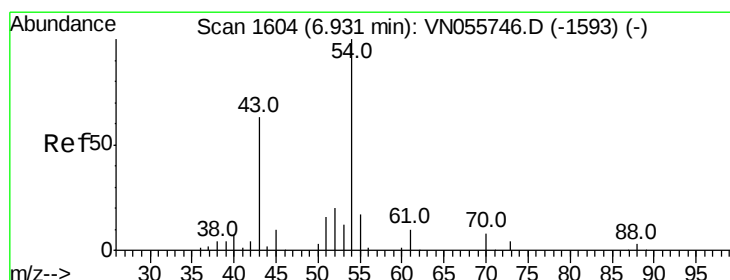
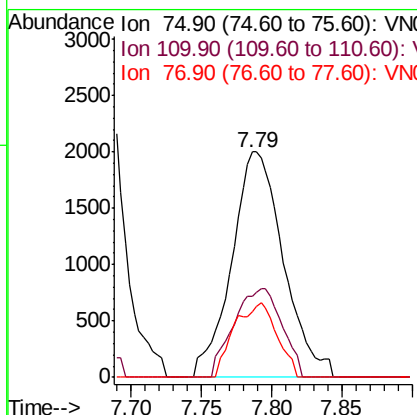
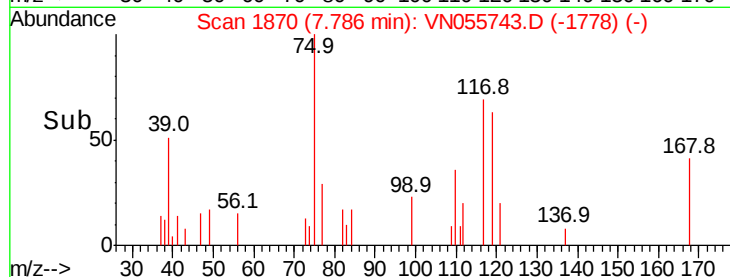
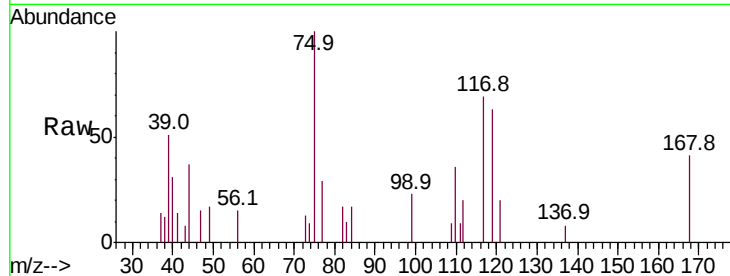
#36
 1,1-Dichloropropene
 Concen: 1.100 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.7	19.0	57.0
77	27.2	25.1	37.7

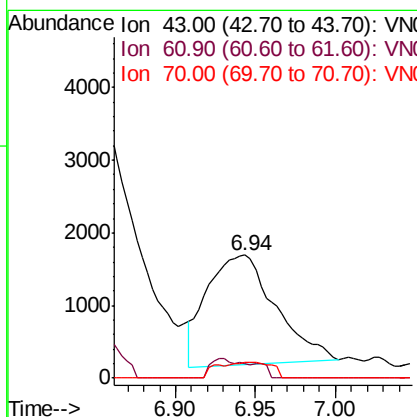
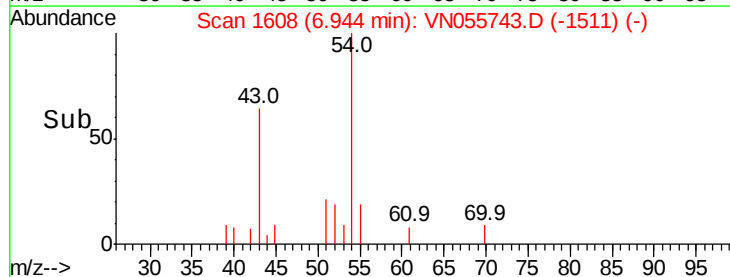
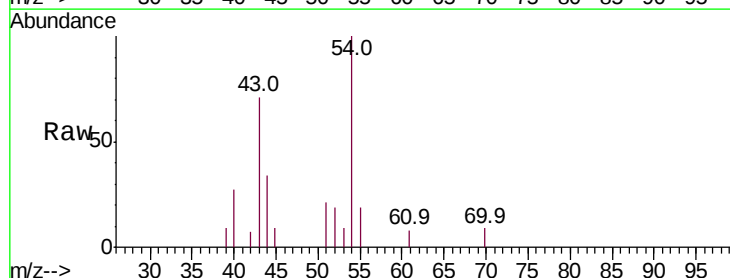
Manual Integrations
 APPROVED

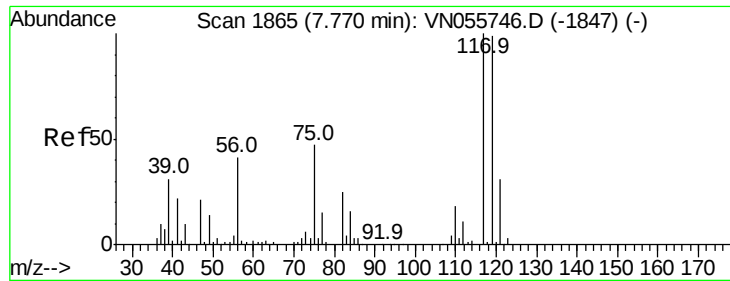
MMDadoda
 5/24/2019 9:20:49 AM



#37
 Ethyl Acetate
 Concen: 1.062 ug/l
 RT: 6.94 min Scan# 1608
 Delta R.T. 0.01 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	7.7	8.9	13.3#





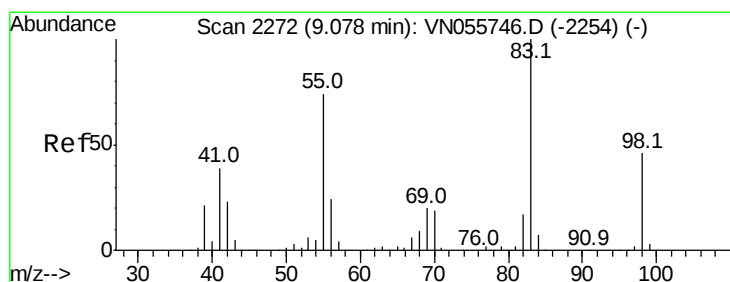
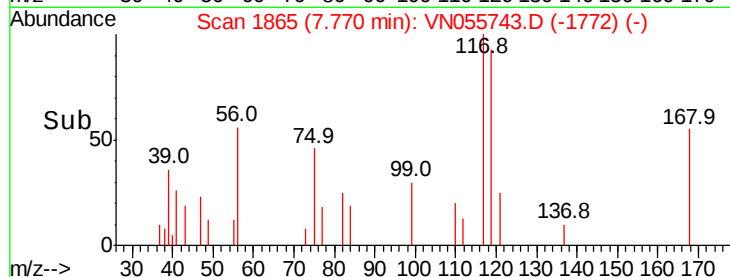
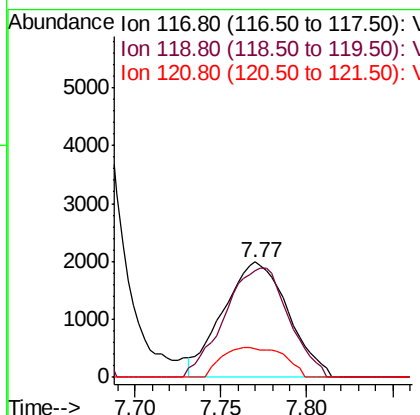
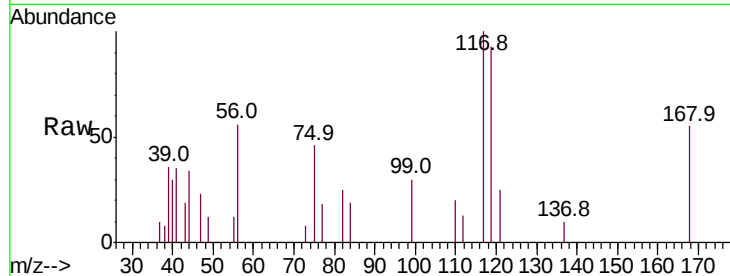
#38
Carbon Tetrachloride
Concen: 1.051 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.6	79.0	118.6
121	24.6	24.7	37.1#

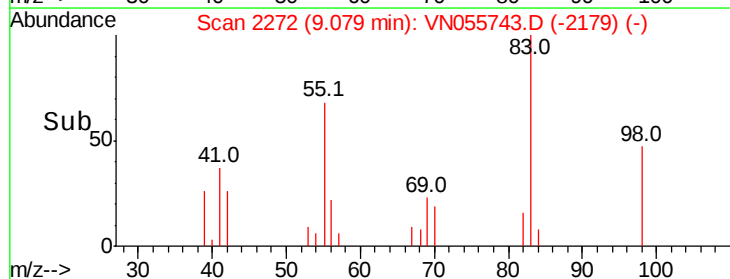
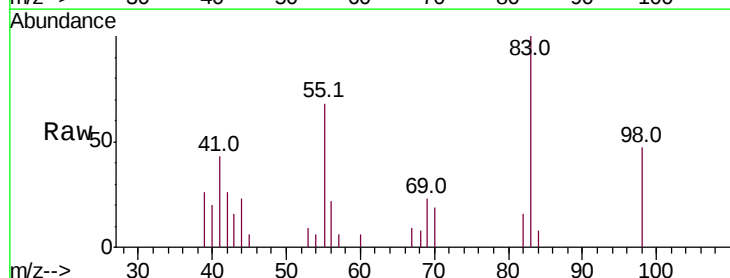
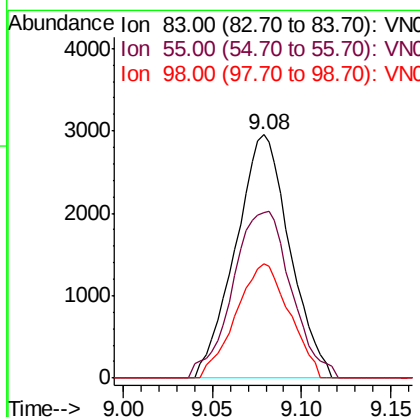
Manual Integrations
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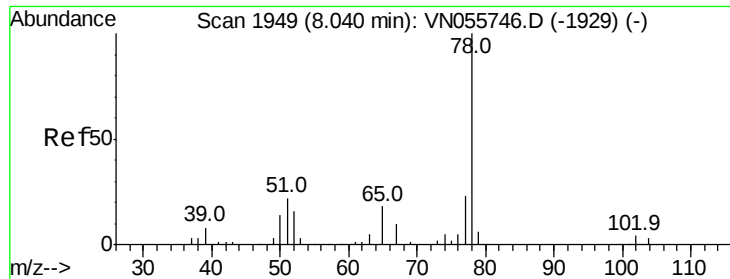
MMDadoda
5/24/2019 9:20:49 AM



#39
Methylcyclohexane
Concen: 1.107 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.8	59.3	88.9
98	46.9	36.6	54.8





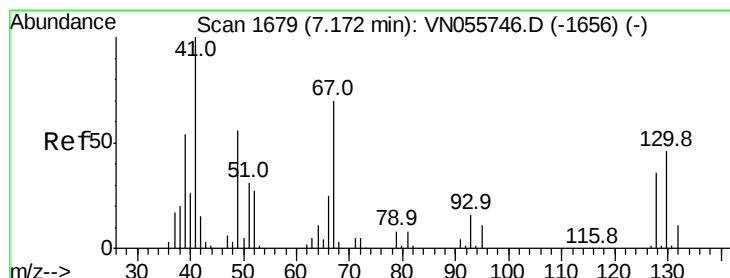
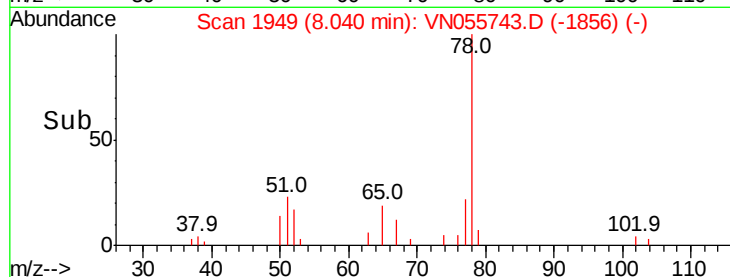
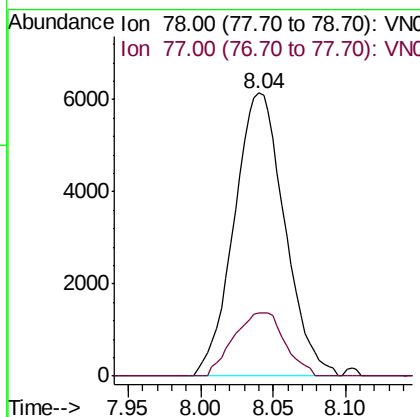
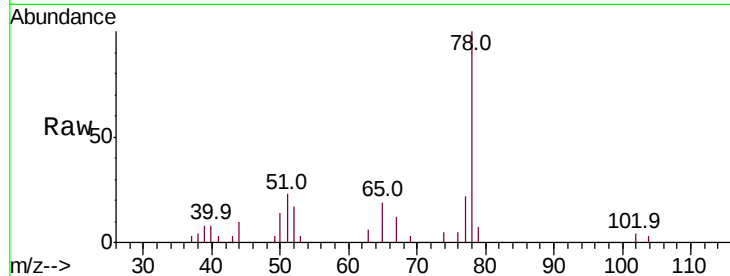
#40
Benzene
Concen: 1.078 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 14894
Ion Ratio Lower Upper
78 100
77 22.2 18.8 28.2

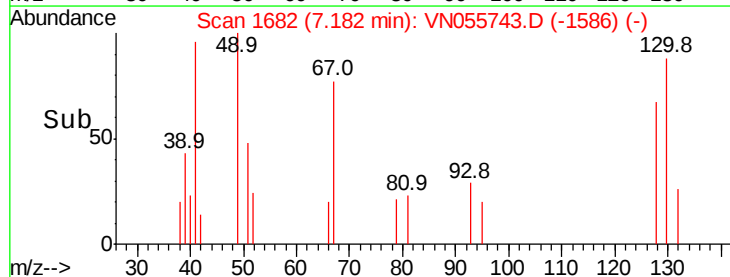
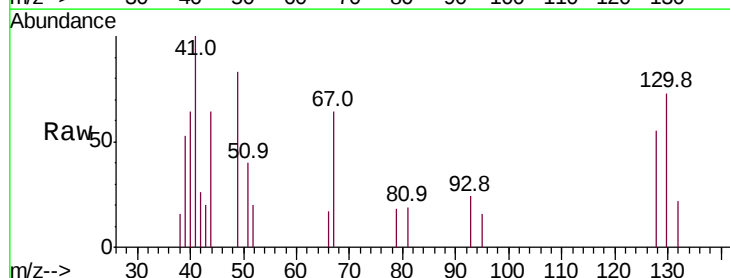
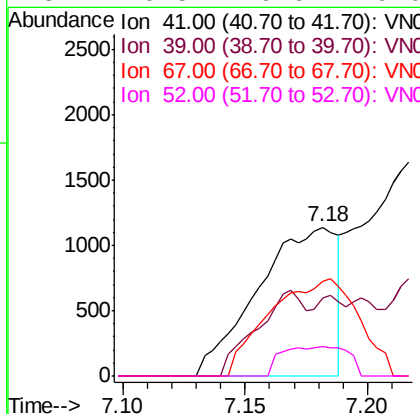
Manual Integrations
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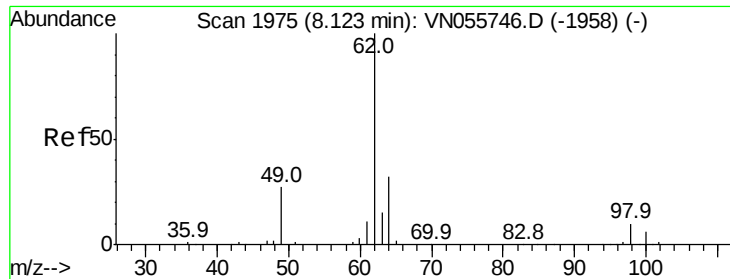
MMDadoda
5/24/2019 9:20:49 AM



#41
Methacrylonitrile
Concen: 1.398 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 41 Resp: 2567
Ion Ratio Lower Upper
41 100
39 35.4 45.6 68.4#
67 73.2 67.7 101.5
52 16.5 26.6 40.0#





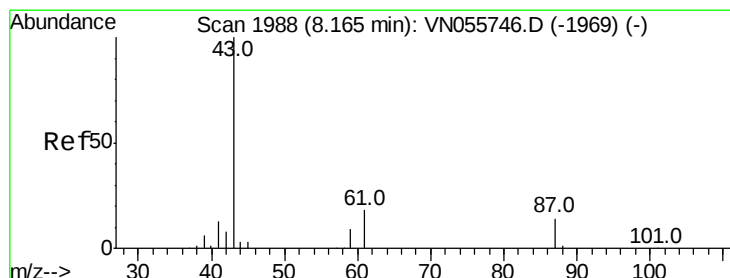
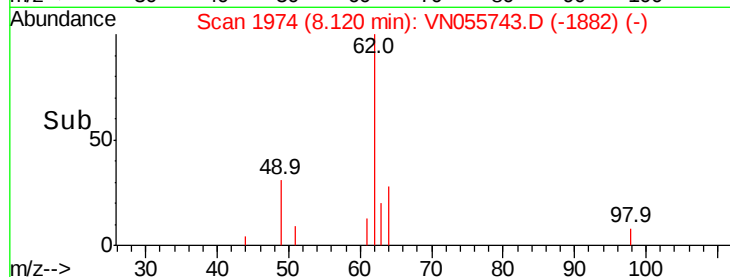
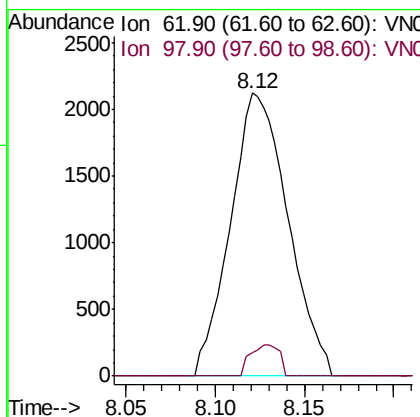
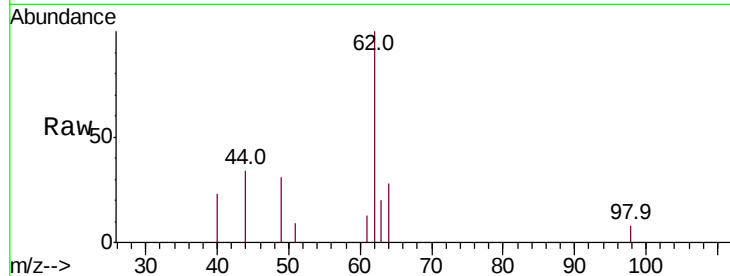
#42
 1,2-Dichloroethane
 Concen: 1.067 ug/l
 RT: 8.12 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 62 Resp: 4764
 Ion Ratio Lower Upper
 62 100
 98 5.6 0.0 20.2

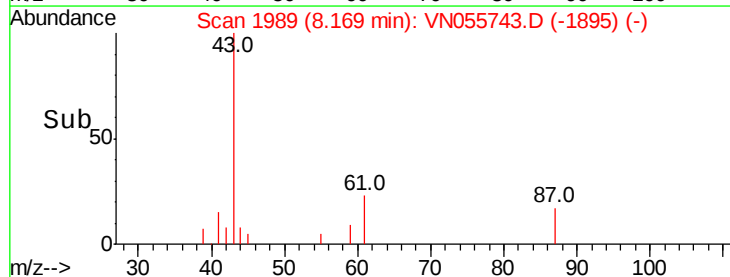
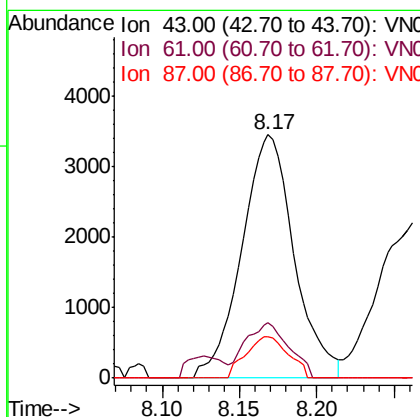
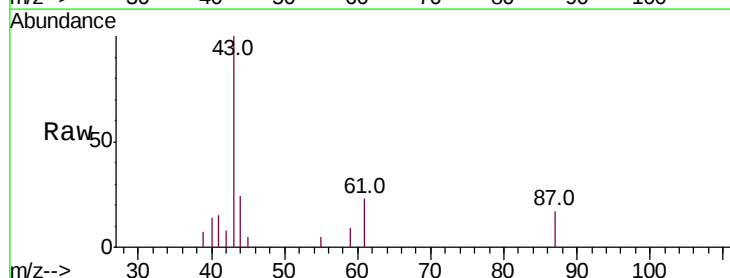
Manual Integrations
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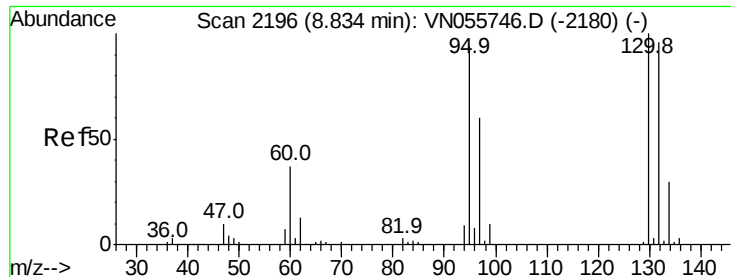
MMDadoda
 5/24/2019 9:20:49 AM



#43
 Isopropyl Acetate
 Concen: 1.103 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion: 43 Resp: 8127
 Ion Ratio Lower Upper
 43 100
 61 19.0 22.2 33.4#
 87 13.8 11.4 17.2





#44

Trichloroethene

Concen: 1.008 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 3923

Ion Ratio Lower Upper

130 100

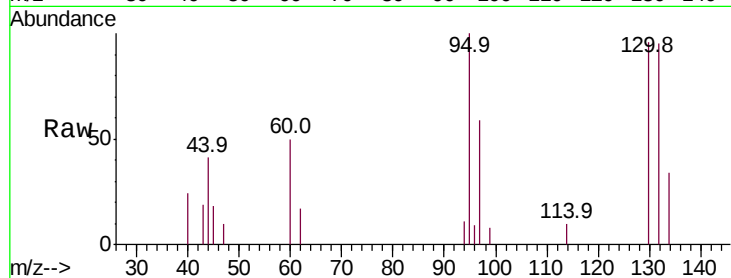
95 103.8 0.0 188.0

Manual Integrations

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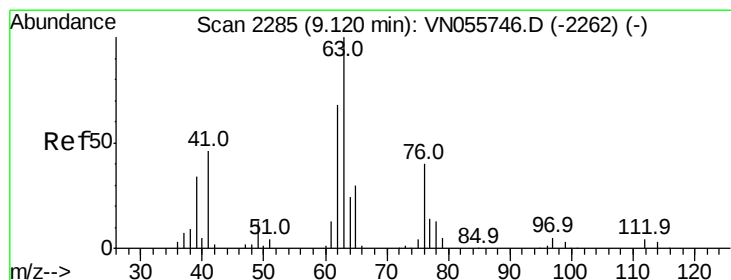
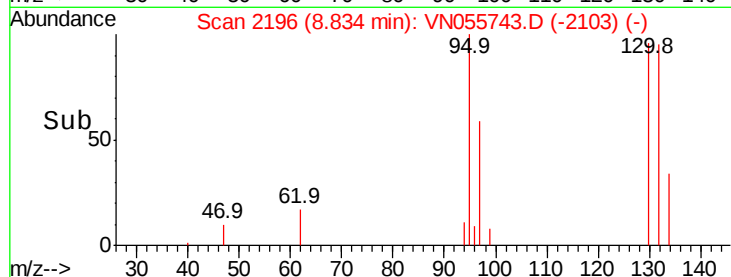
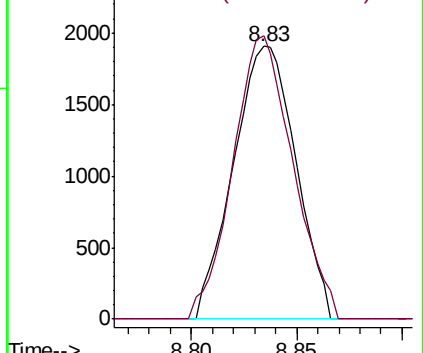
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 1.016 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055743.D

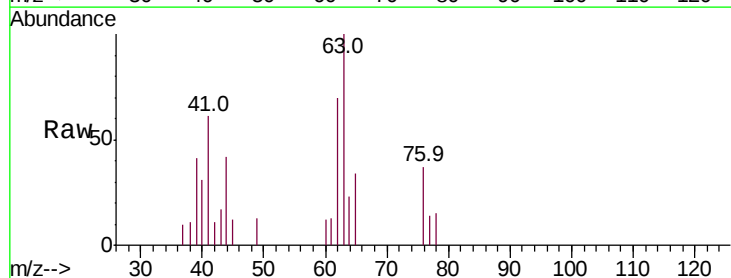
Acq: 23 May 2019 9:21

Tgt Ion: 63 Resp: 3692

Ion Ratio Lower Upper

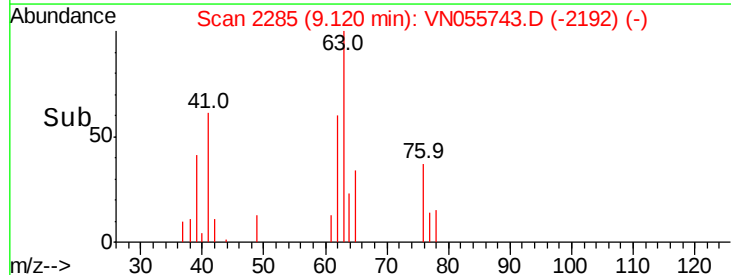
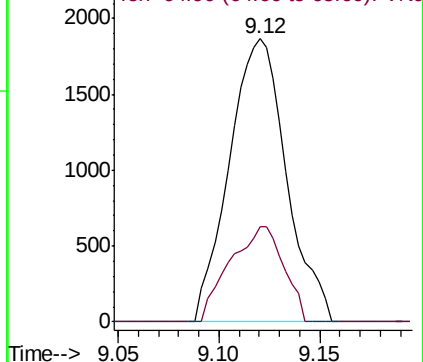
63 100

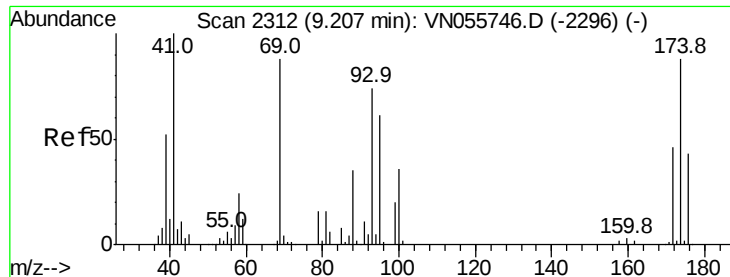
65 33.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





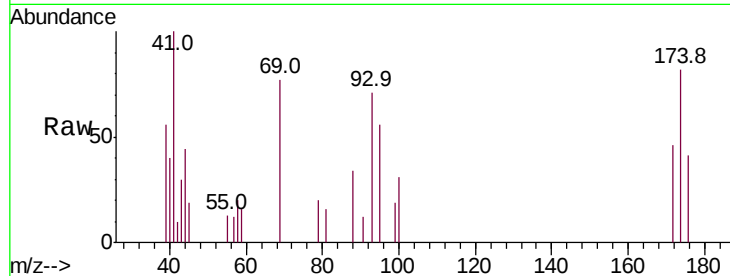
#46
Dibromomethane
Concen: 0.979 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

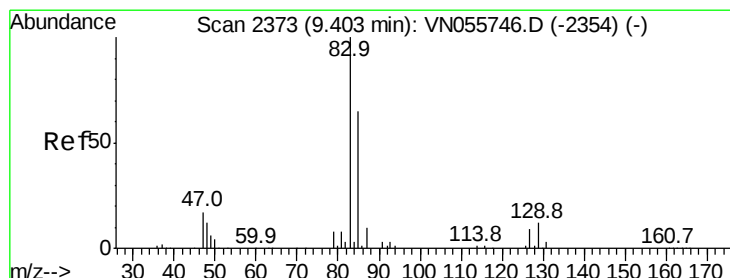
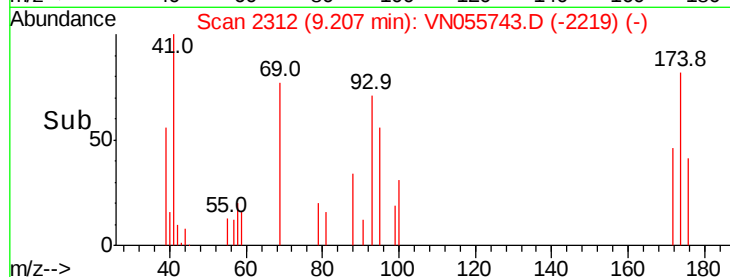
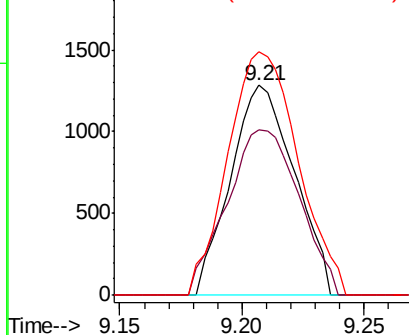
Tot Ion	Ratio	Lower	Upper
93	100		
95	89.2	66.7	100.1
174	127.6	96.4	144.6

Manual Integrations
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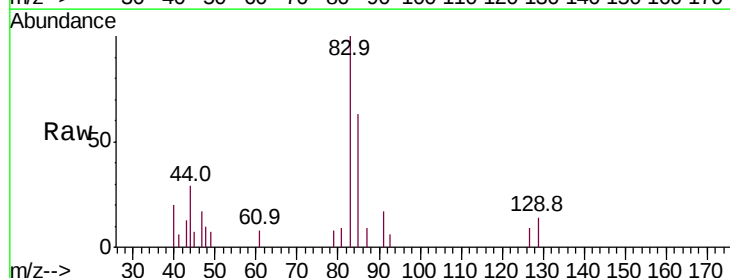


Abundance Ion 92.80 (92.50 to 93.50): VNO
2000 Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V

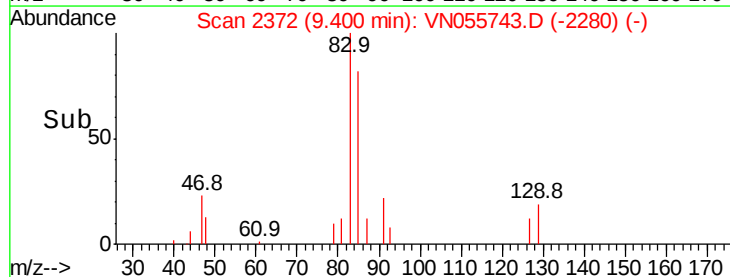
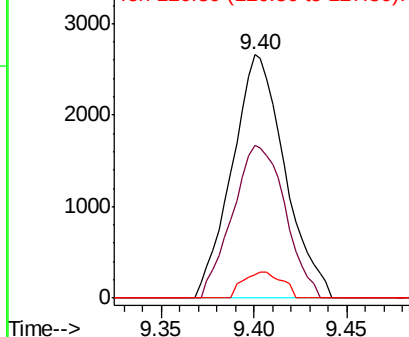


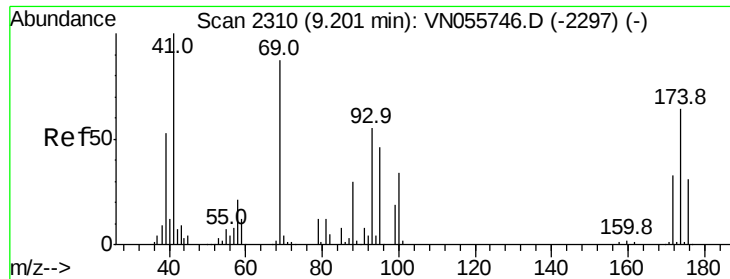
#47
Bromodichloromethane
Concen: 1.059 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.2
127	9.4	7.4	11.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V





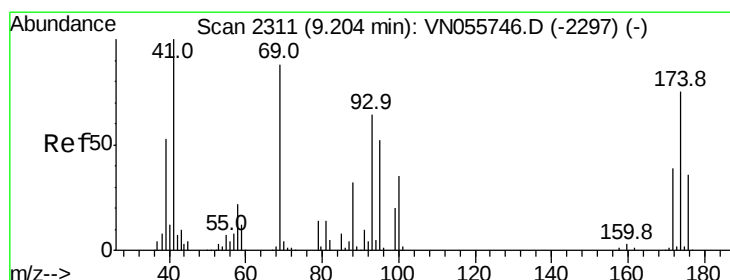
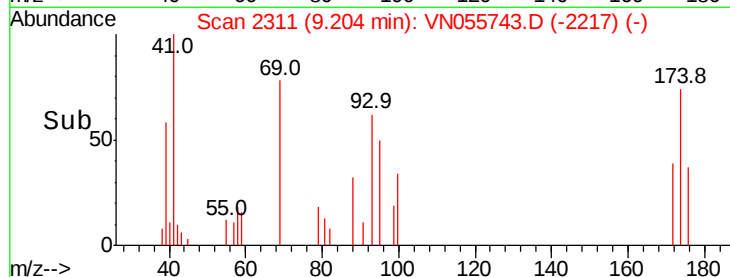
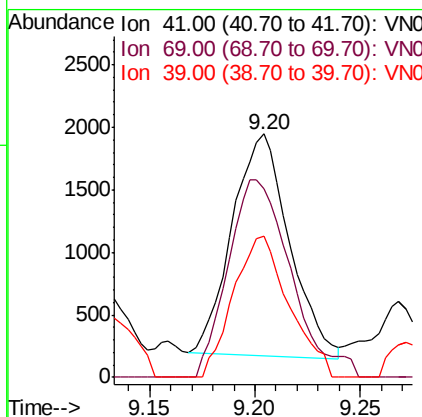
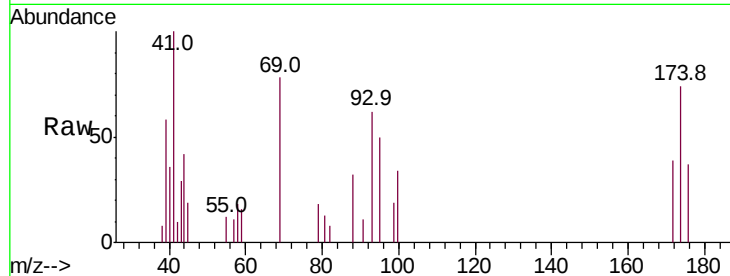
#48
Methvl methacrylate
Concen: 1.011 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
41	100	3337		
69	98.3		71.0	106.6
39	62.0		44.2	66.2

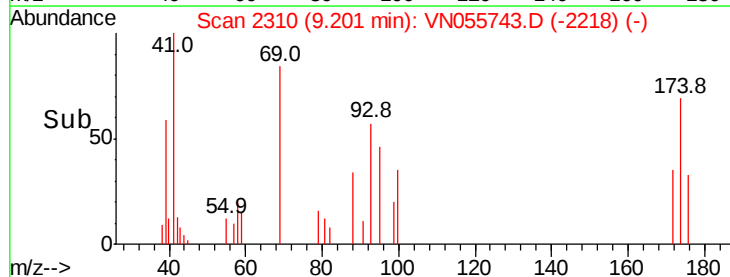
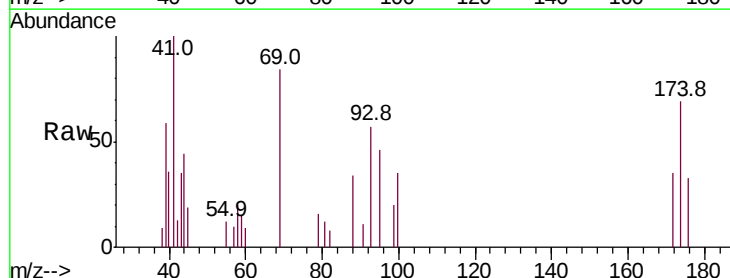
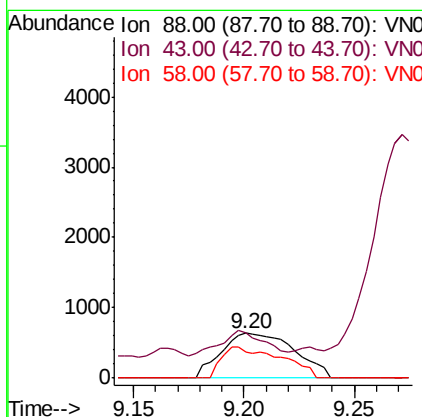
Manual Integrations
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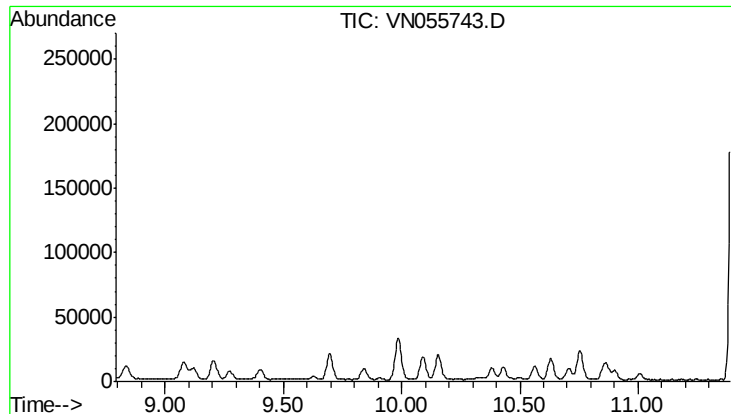
MMDadoda
5/24/2019 9:20:49 AM



#49
1,4-Dioxane
Concen: 22.421 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	1467		
43	31.6		20.5	30.7#
58	56.4		55.8	83.6





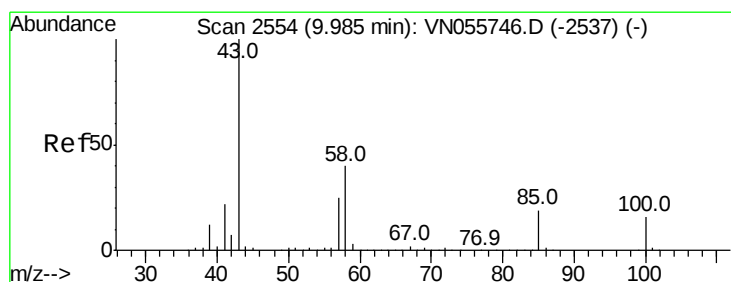
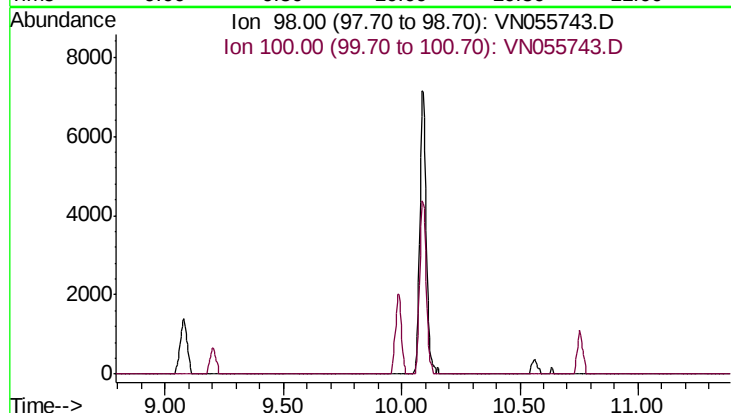
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.9

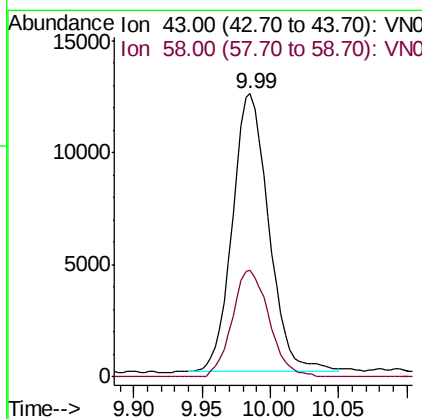
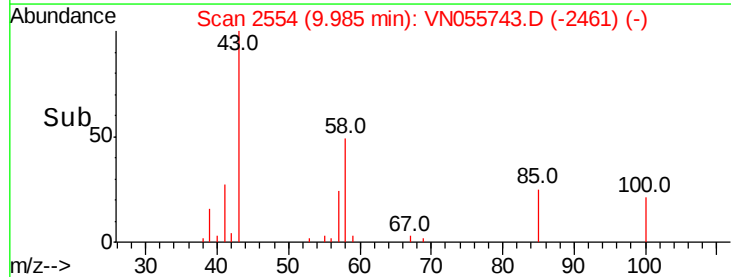
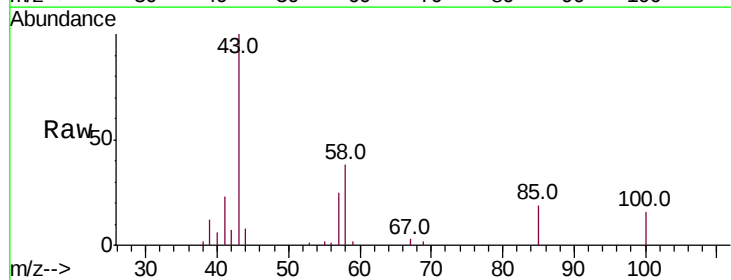
Manual Integrations
APPROVED

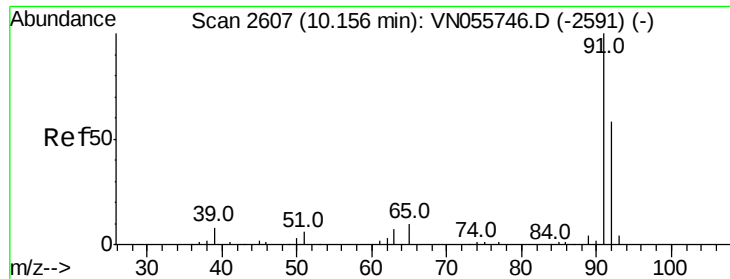
MMDadoda
5/24/2019 9:20:49 AM



#51
4-Methyl-2-Pentanone
Concen: 5.291 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 43 Resp: 23038
Ion Ratio Lower Upper
43 100
58 38.7 32.1 48.1





#52

Toluene

Concen: 1.050 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 9119

Ion Ratio Lower Upper

92 100

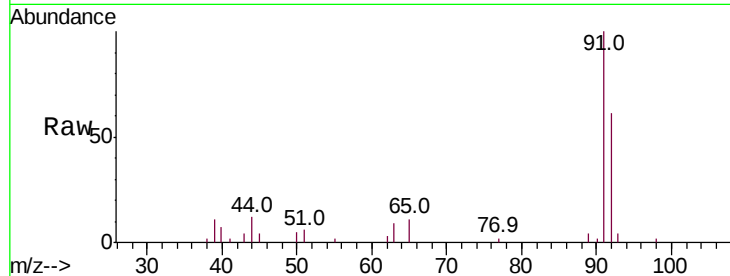
91 173.6 139.4 209.2

Manual Integrations

APPROVED

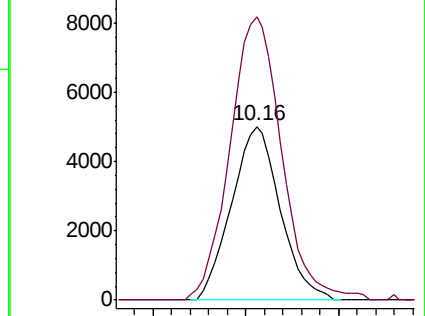
MMDadoda

5/24/2019 9:20:49 AM

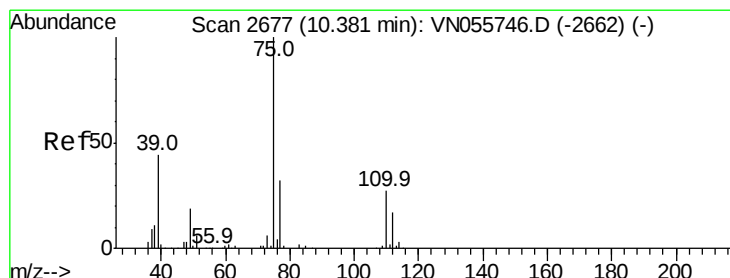
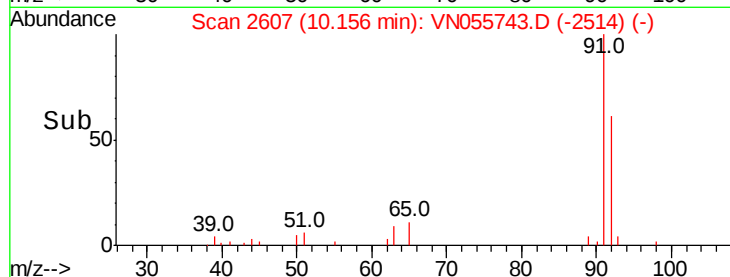


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#53

t-1,3-Dichloropropene

Concen: 0.940 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055743.D

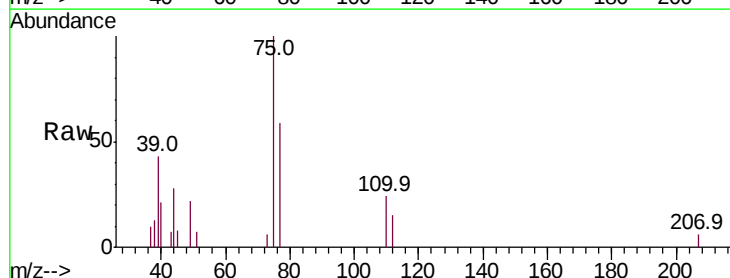
Acq: 23 May 2019 9:21

Tgt Ion: 75 Resp: 5019

Ion Ratio Lower Upper

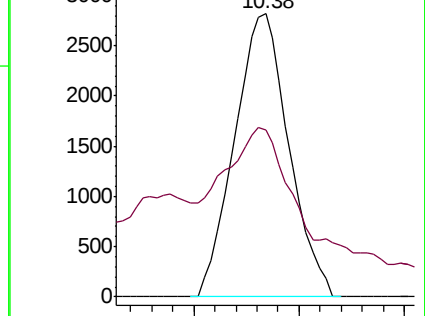
75 100

77 41.0 25.8 38.6#

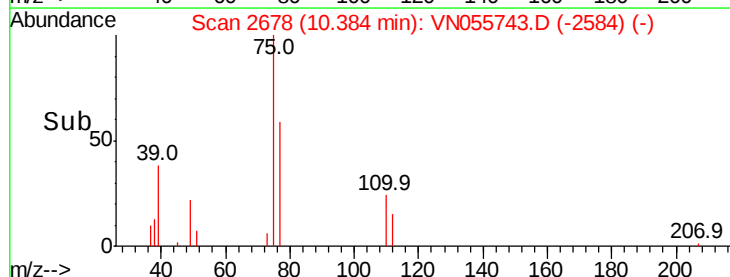


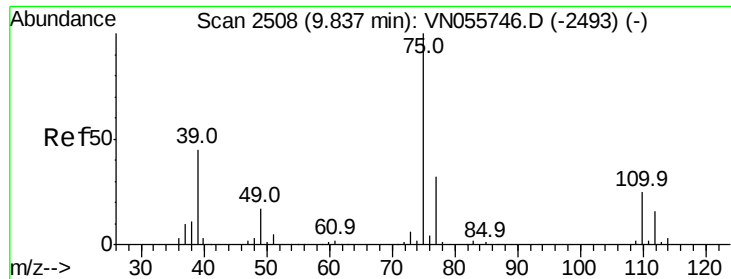
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 0.980 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

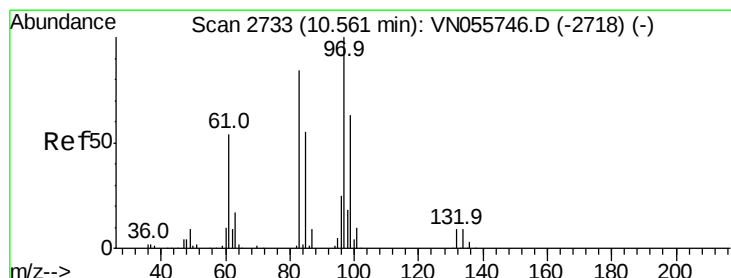
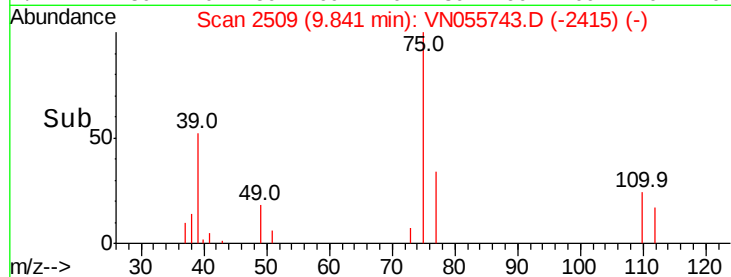
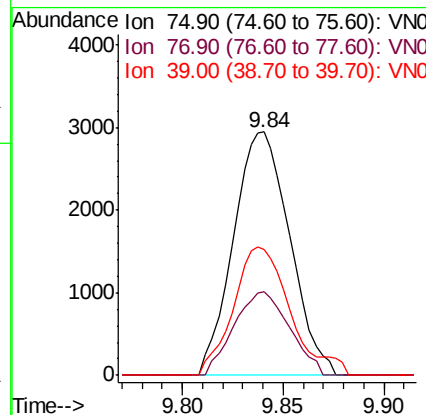
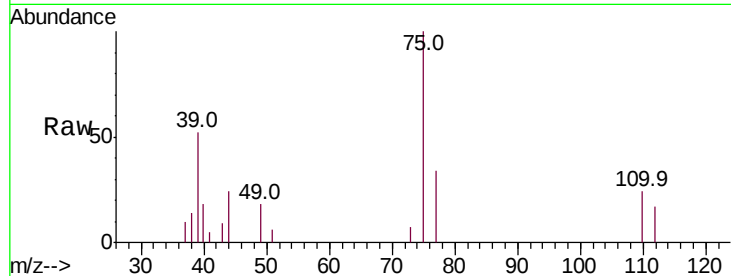
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	5735
Ion Ratio	Lower	Upper	
75	100		
77	34.4	25.4	38.0
39	51.8	36.3	54.5

Manual Integrations
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MMDadoda
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#55

1,1,2-Trichloroethane

Concen: 1.001 ug/l

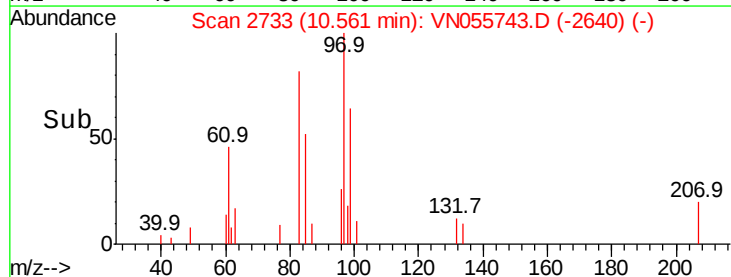
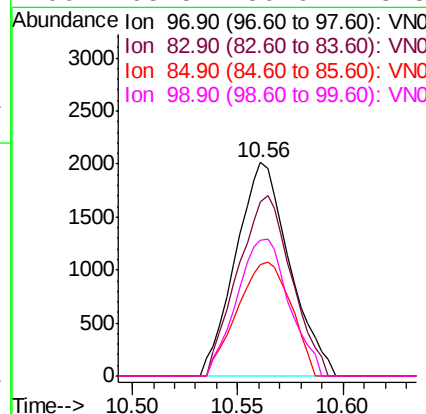
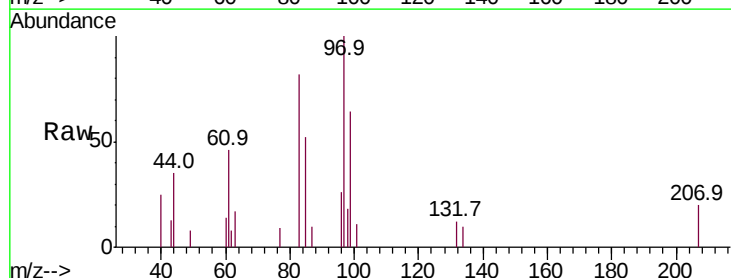
RT: 10.56 min Scan# 2733

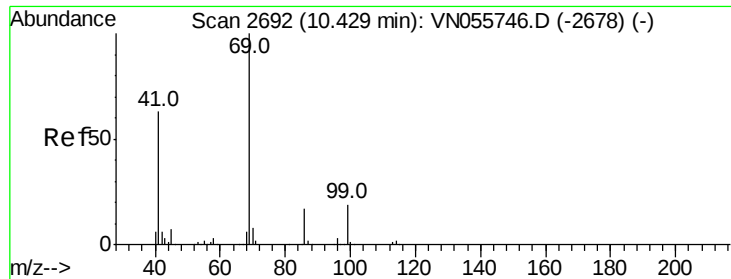
Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Tgt Ion:	97	Resp:	3573
Ion Ratio	Lower	Upper	
97	100		
83	81.5	67.0	100.6
85	52.4	44.0	66.0
99	63.8	50.6	75.8





#56

Ethyl methacrylate

Concen: 0.969 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

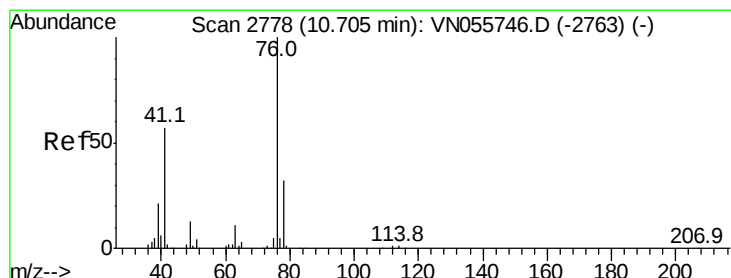
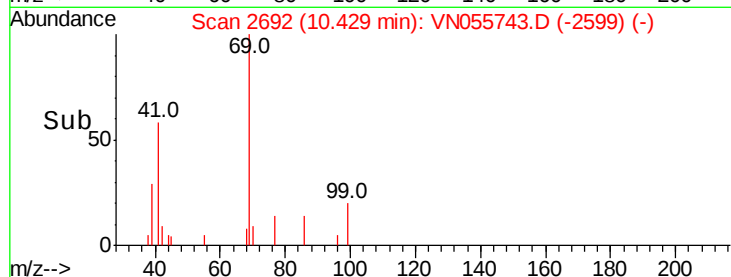
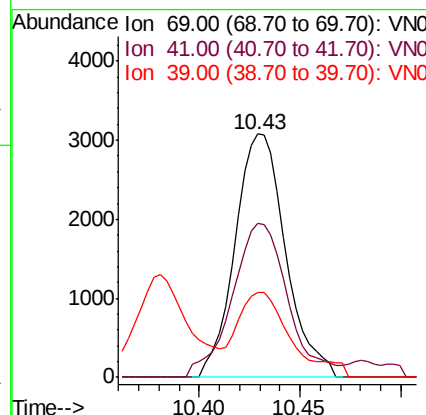
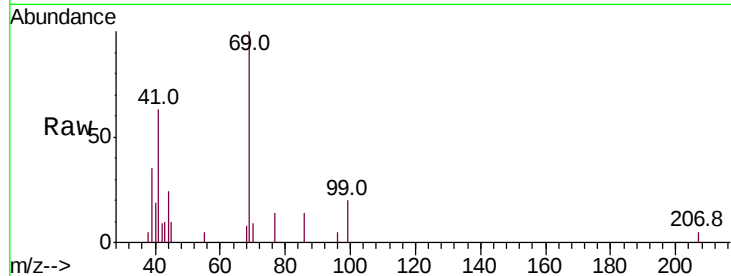
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	69.3	49.7	74.5
39	37.7	24.7	37.1

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 1.048 ug/l

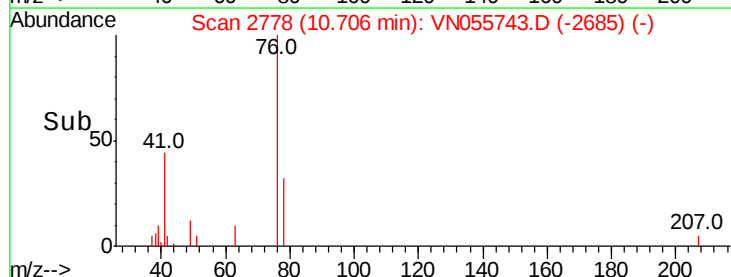
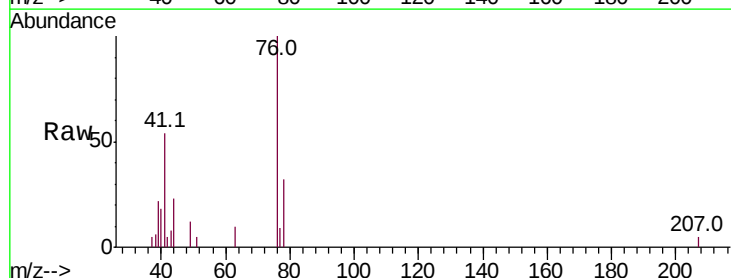
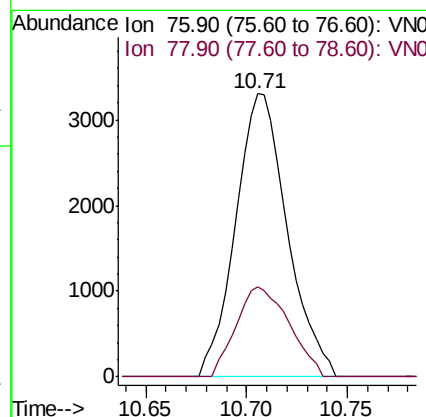
RT: 10.71 min Scan# 2778

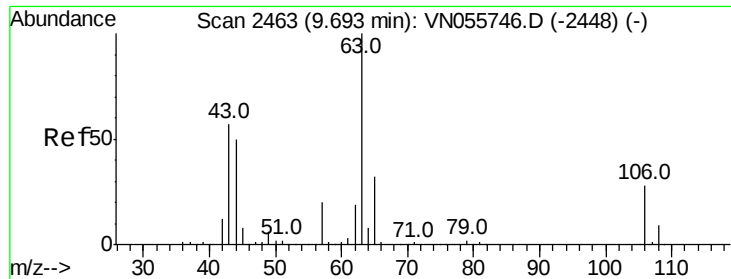
Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6





#58

2-Chloroethyl Vinyl ether

Concen: 4.095 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 9483

Ion Ratio Lower Upper

63 100

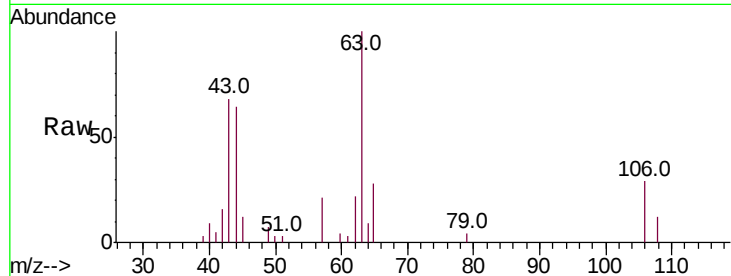
106 28.2 22.7 34.1

Manual Integrations

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5/24/2019 9:20:49 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

6000

5000

4000

3000

2000

1000

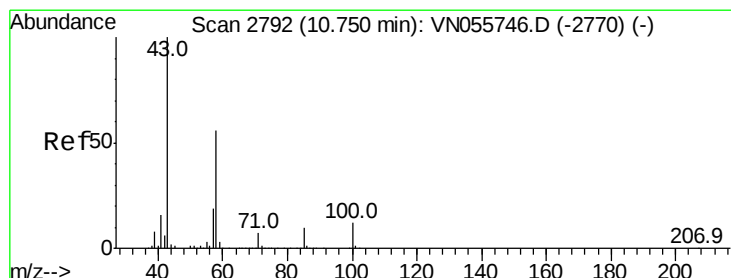
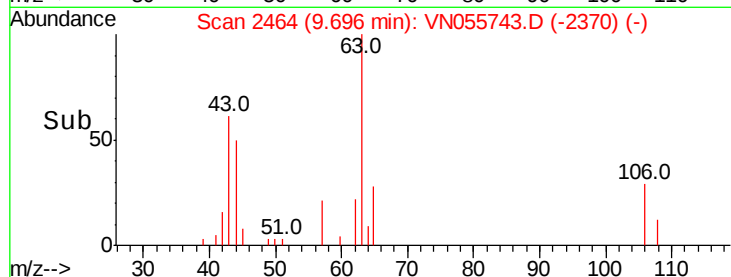
0

9.65

9.70

9.75

Time-->



#59

2-Hexanone

Concen: 5.209 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055743.D

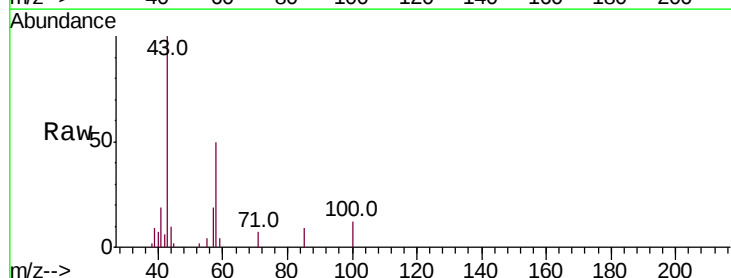
Acq: 23 May 2019 9:21

Tgt Ion: 43 Resp: 15939

Ion Ratio Lower Upper

43 100

58 52.9 28.2 84.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10000

8000

6000

4000

2000

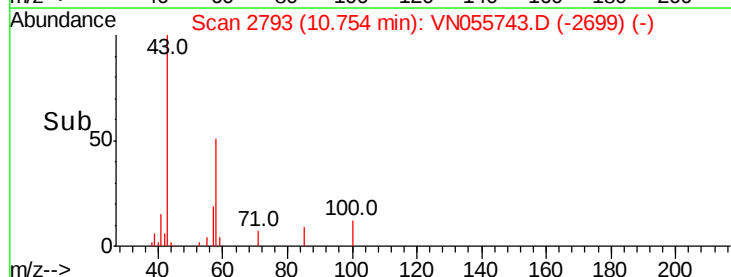
0

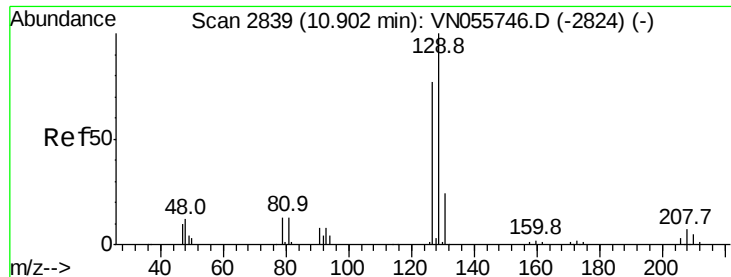
10.70

10.75

10.80

Time-->





#60

Dibromochloromethane

Concen: 1.007 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:129 Resp: 4075

Ion Ratio Lower Upper

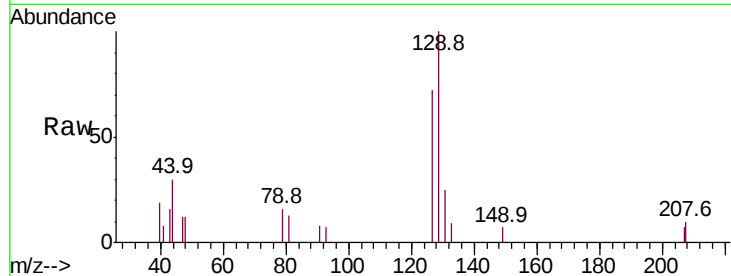
129 100

127 76.5 38.1 114.3

Manual Integrations
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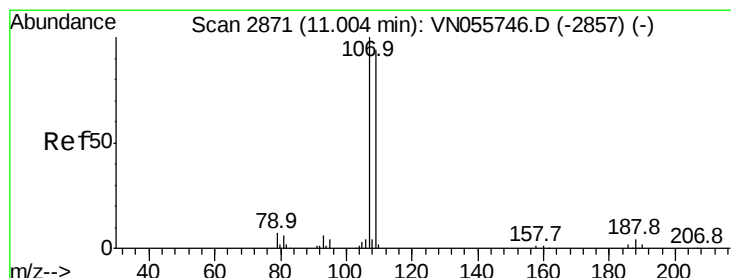
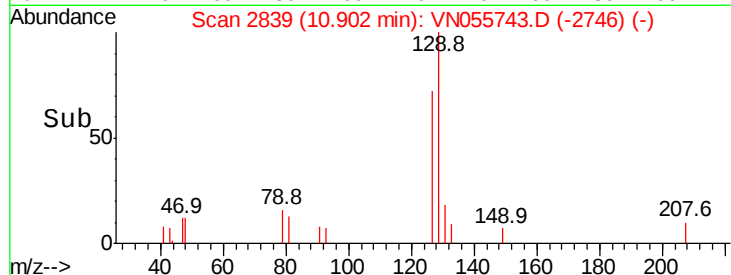
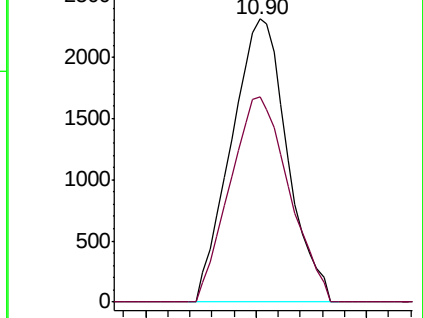
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.033 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055743.D

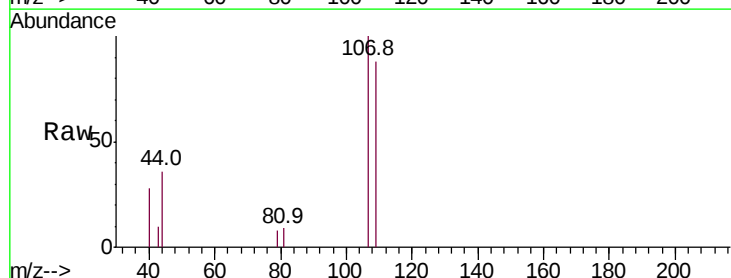
Acq: 23 May 2019 9:21

Tgt Ion:107 Resp: 3695

Ion Ratio Lower Upper

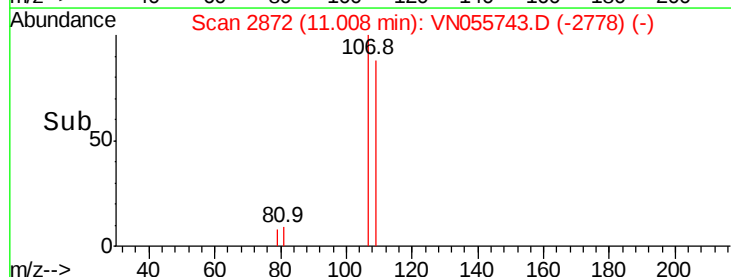
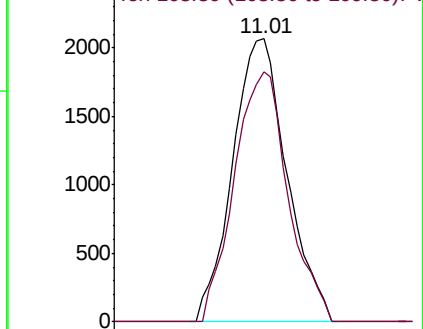
107 100

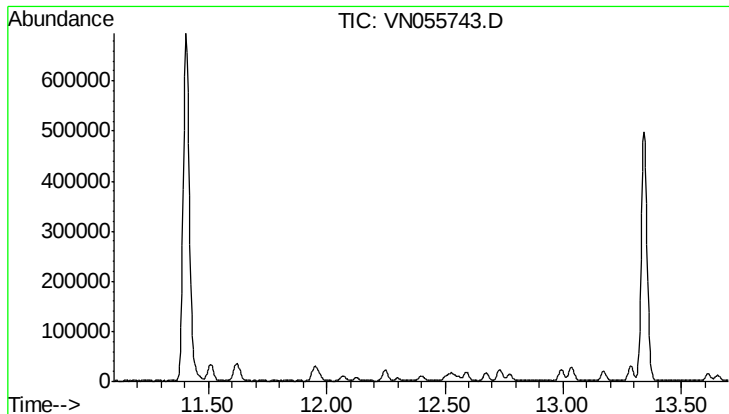
109 87.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Tot Ion	95
Sig	Exp Ratio
95	100
174	95.5
176	92.6

Instrument :

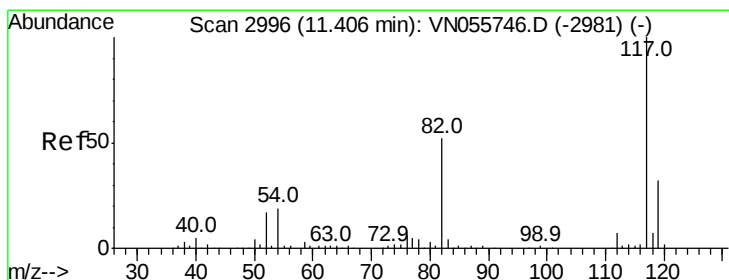
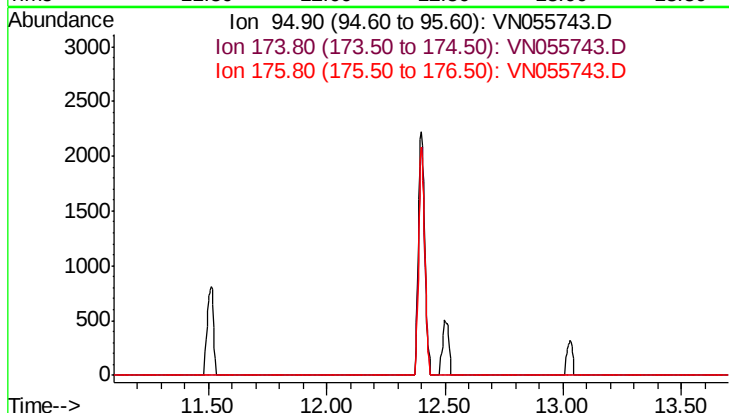
MSVOA_N

ClientSampleId :

VSTDIC001

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

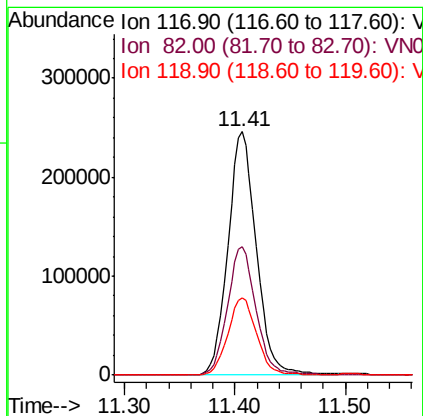
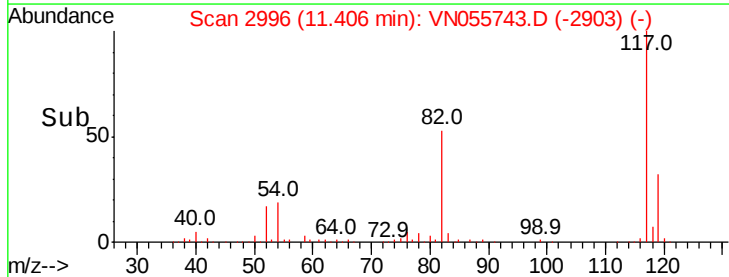
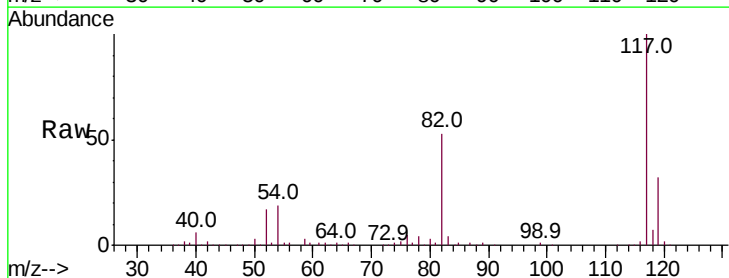
RT: 11.41 min Scan# 2996

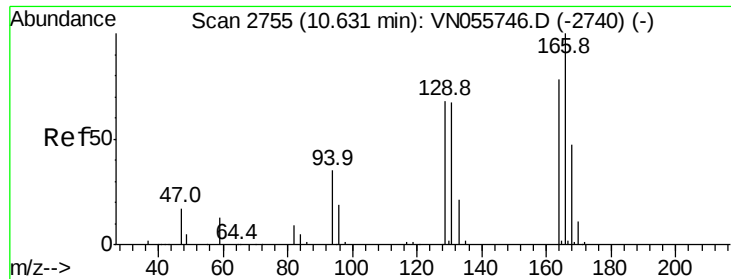
Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Tgt Ion	117	Resp	438957
Ion Ratio	Lower	Upper	
117	100		
82	52.6	41.8	62.8
119	31.7	25.4	38.0





#64

Tetrachloroethene

Concen: 1.199 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4184

Ion Ratio Lower Upper

164 100

166 127.1 103.0 154.6

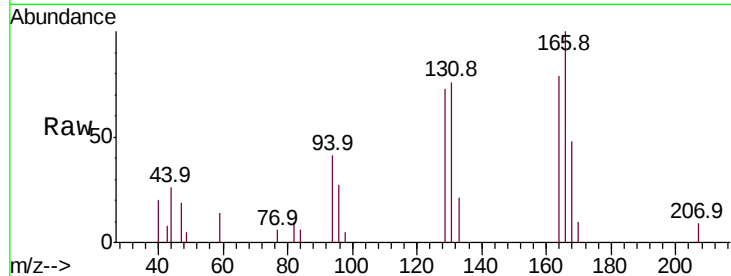
129 92.6 70.6 105.8

131 96.9 68.6 102.8

Manual Integrations
APPROVED

MMDadoda

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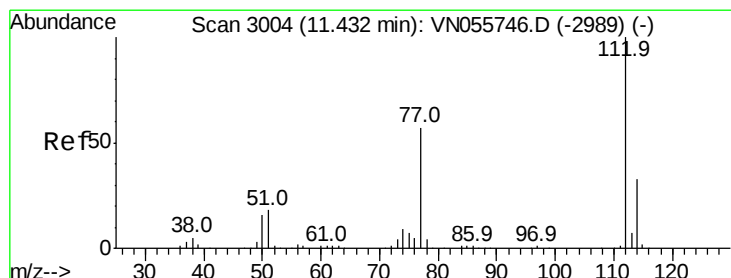
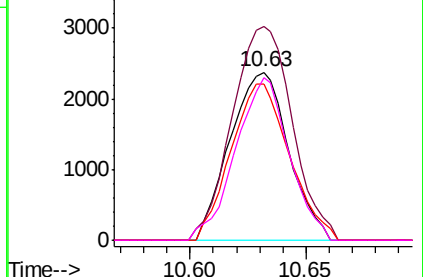
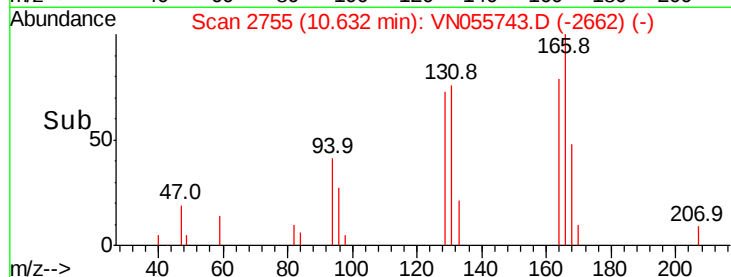


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.047 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055743.D

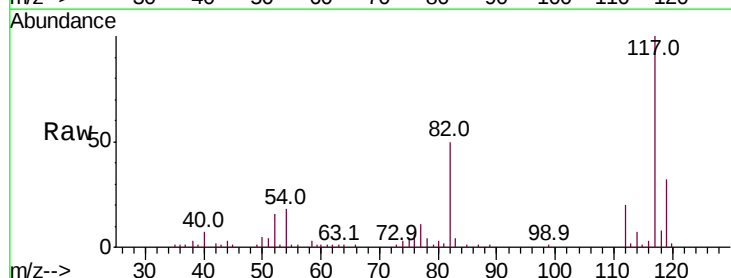
Acq: 23 May 2019 9:21

Tgt Ion:112 Resp: 9277

Ion Ratio Lower Upper

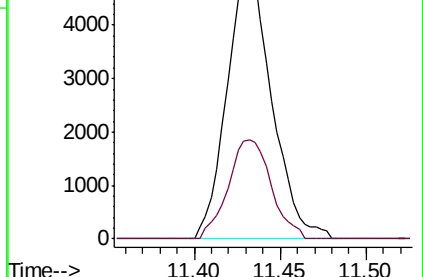
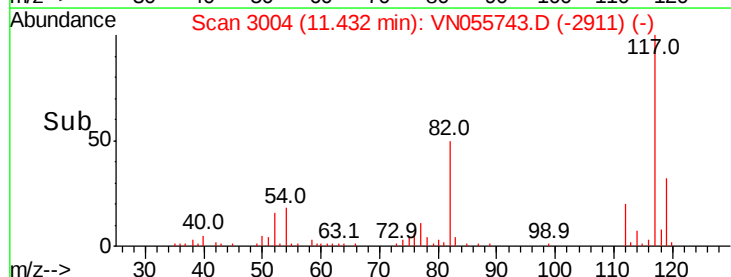
112 100

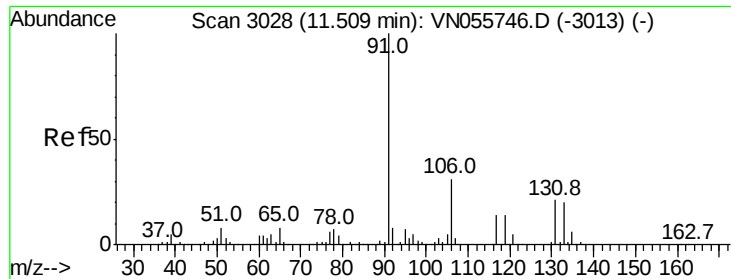
114 35.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.110 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

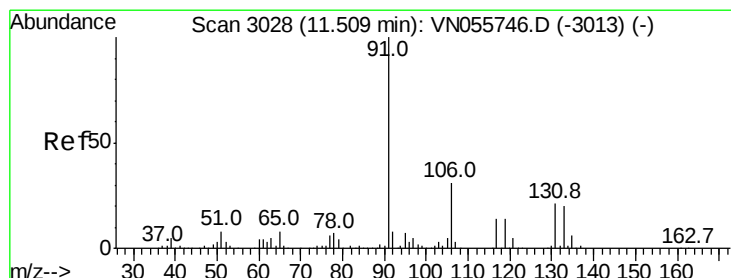
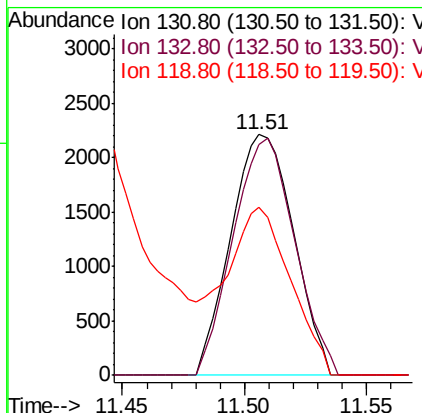
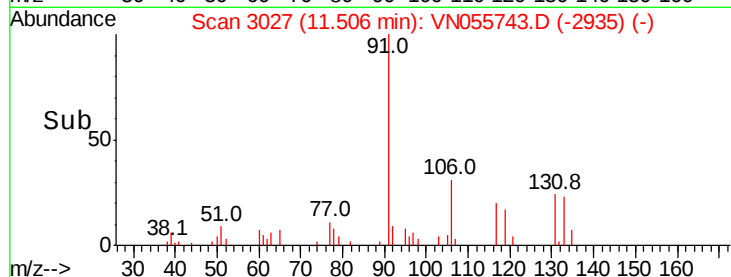
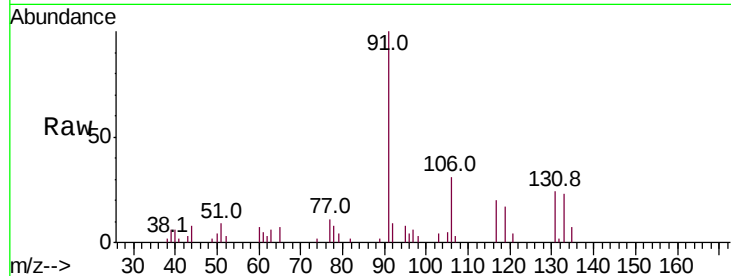
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.0	144.0
119	0.0	33.1	99.5#

Manual Integrations
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#67

Ethyl Benzene

Concen: 1.071 ug/l

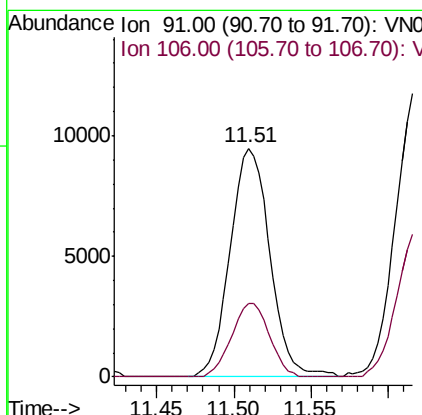
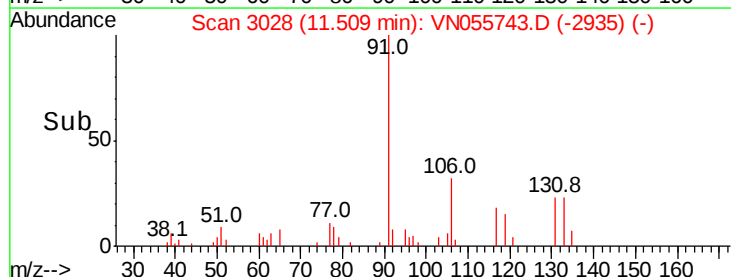
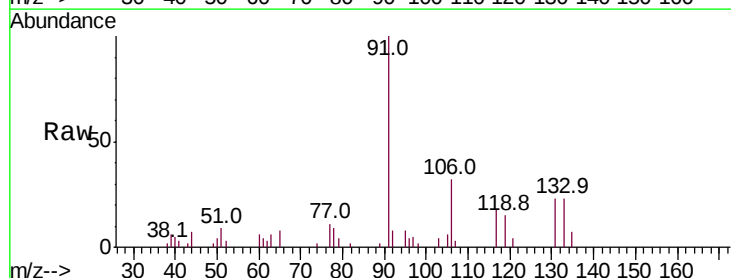
RT: 11.51 min Scan# 3028

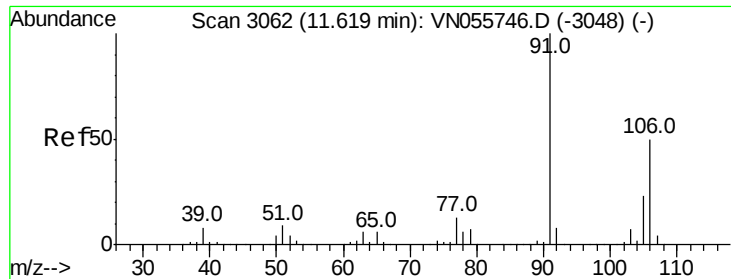
Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.1	37.7





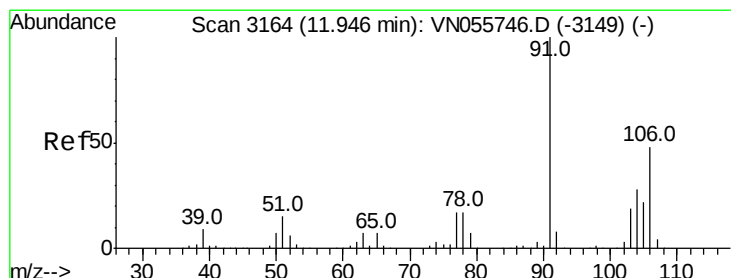
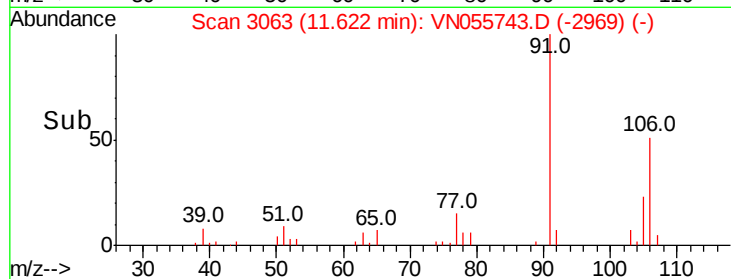
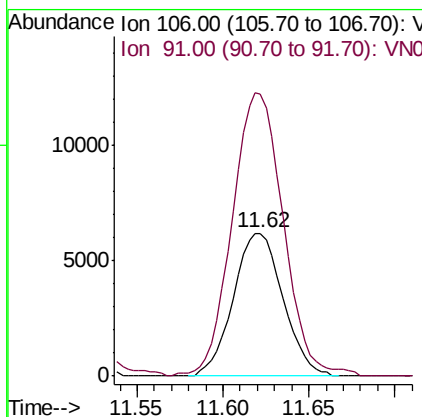
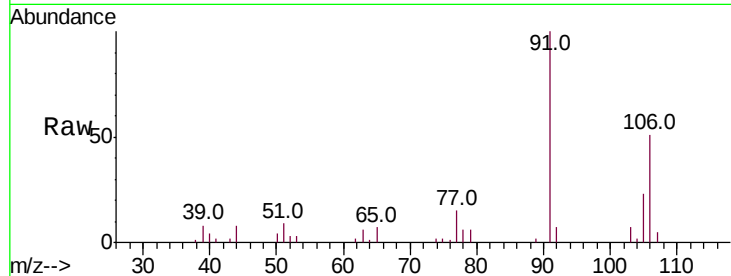
#68
m/p-Xylenes
Concen: 2.082 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 12449
Ion Ratio Lower Upper
106 100
91 204.0 159.3 238.9

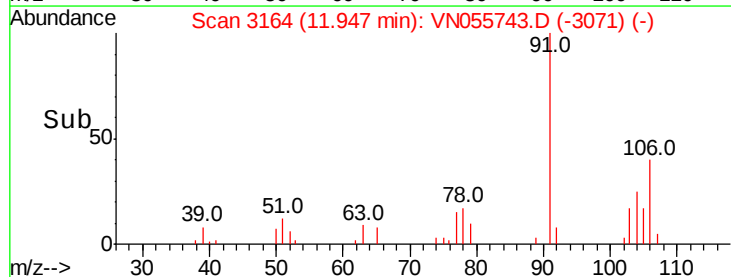
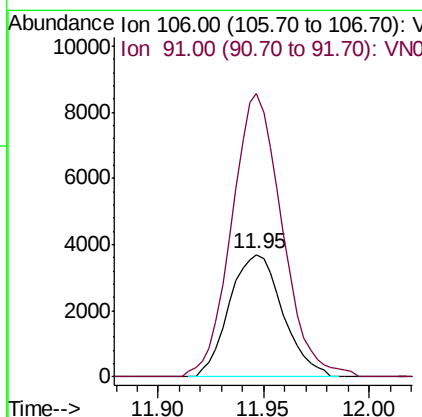
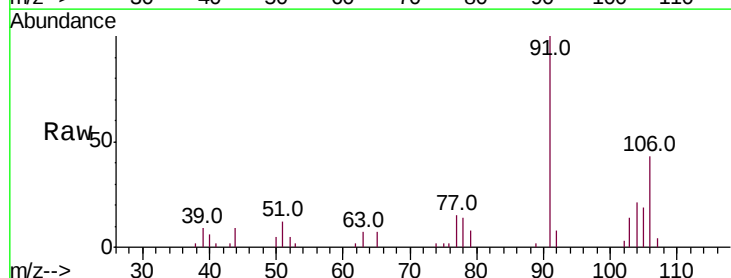
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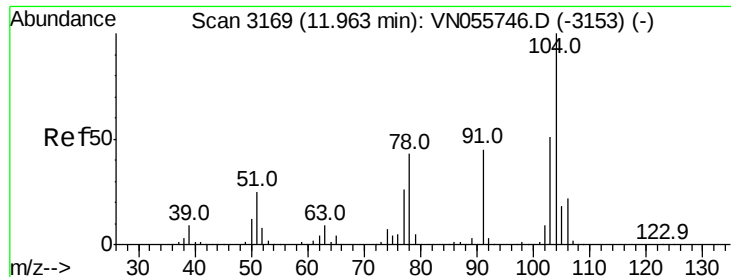
MMDadoda
5/24/2019 9:20:49 AM



#69
o-Xylene
Concen: 1.105 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion:106 Resp: 6482
Ion Ratio Lower Upper
106 100
91 219.3 104.7 314.1





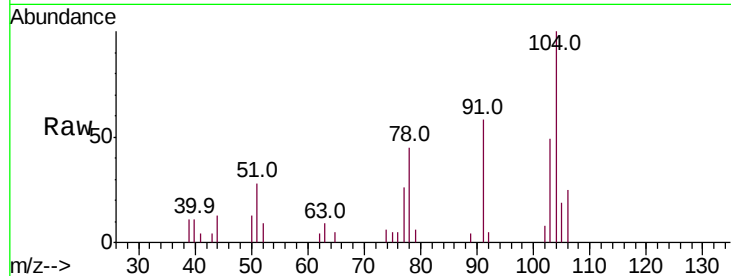
#70
Stvrene
Concen: 0.968 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.7	37.8	56.6
103	51.8	44.2	66.2

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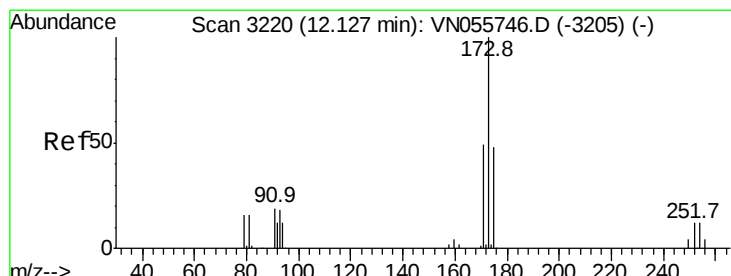
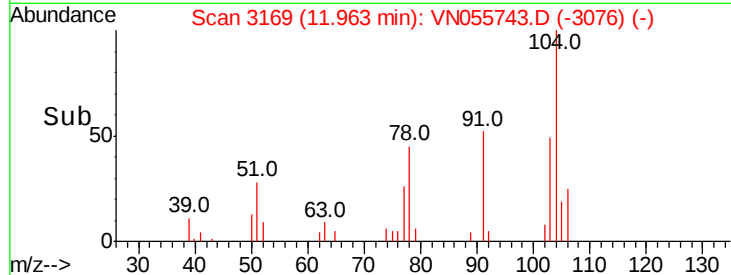
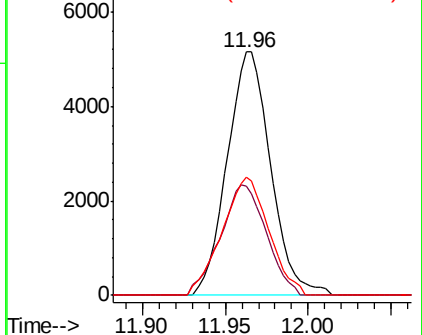


Abundance

Ion 104.00 (103.70 to 104.70): V

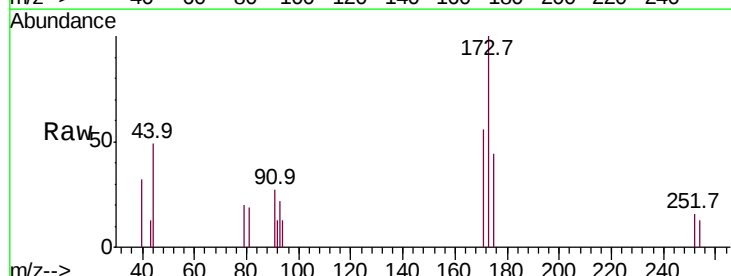
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 0.967 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.3	72.8
254	0.0	0.0	0.0

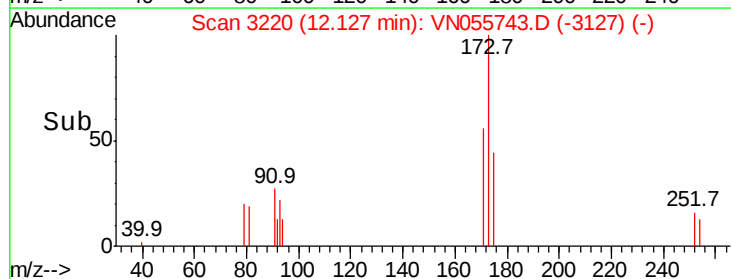
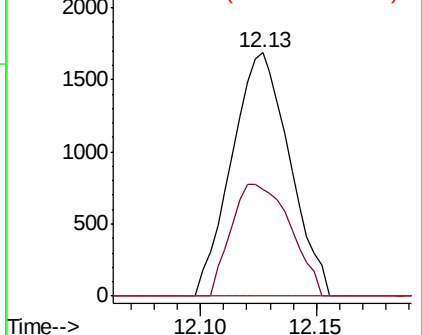


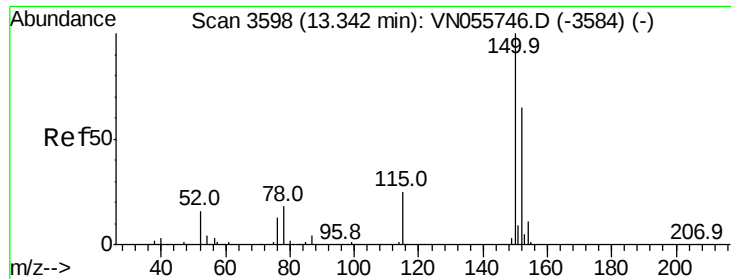
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 149036

Ion Ratio Lower Upper

152 100

115 54.1 27.0 81.0

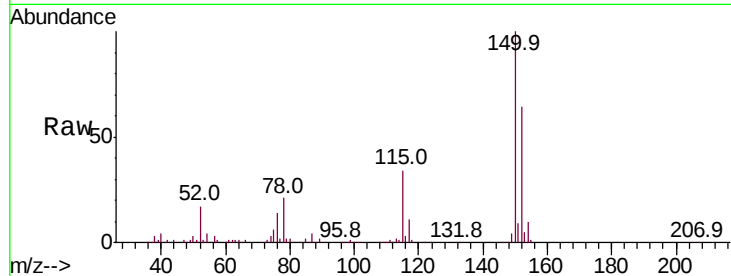
150 158.4 0.0 343.2

Manual Integrations

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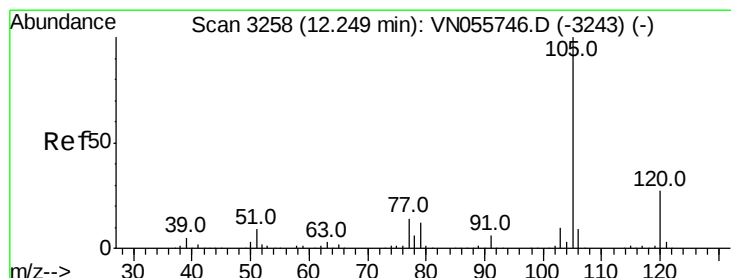
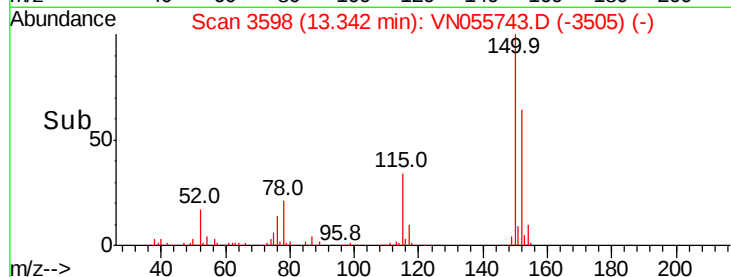
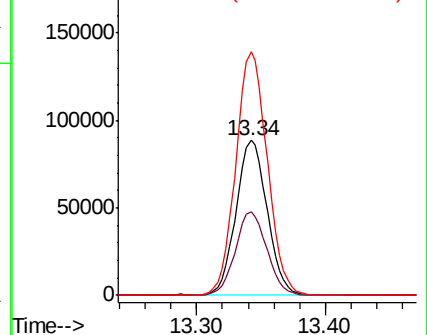
5/24/2019 9:20:49 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.344 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055743.D

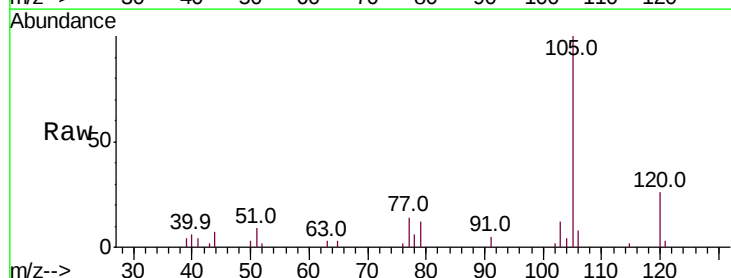
Acq: 23 May 2019 9:21

Tgt Ion:105 Resp: 16363

Ion Ratio Lower Upper

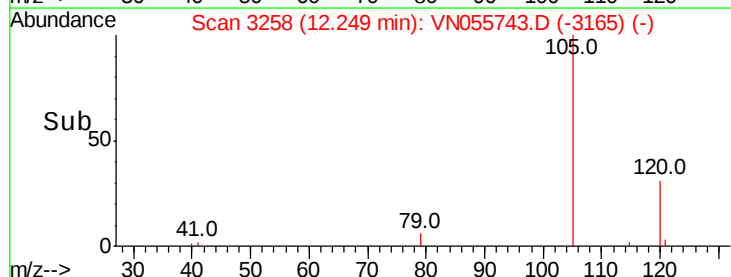
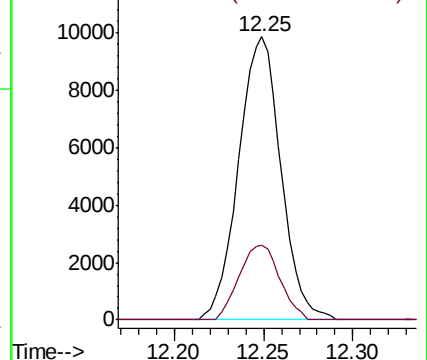
105 100

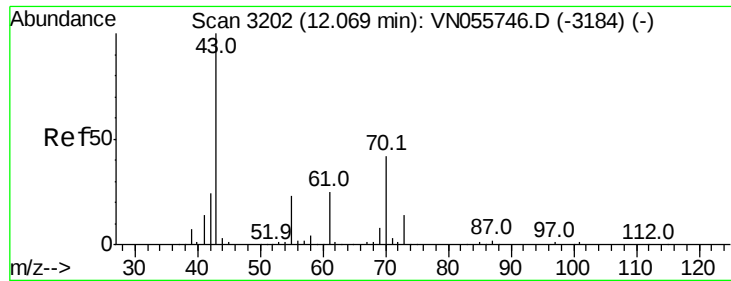
120 25.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.401 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

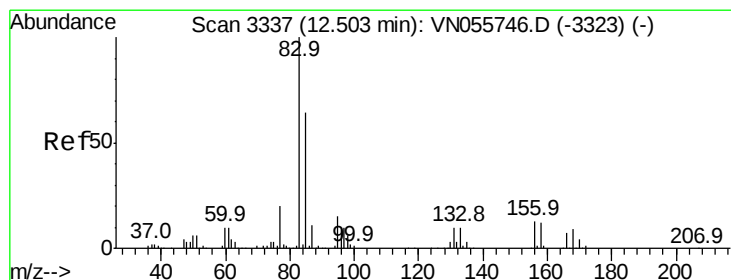
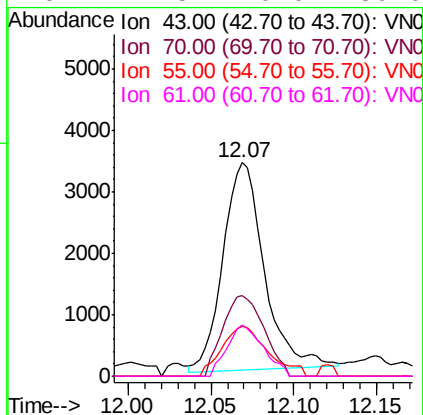
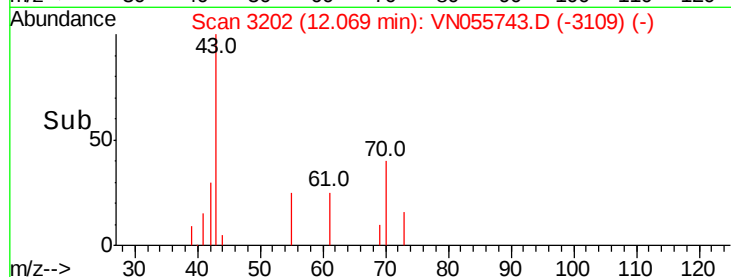
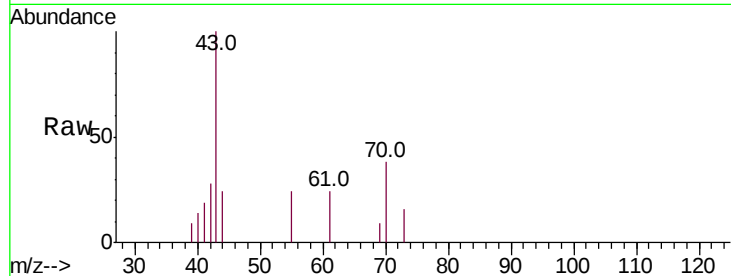
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	5871
Ion	Ratio	Lower	Upper
43	100		
70	38.6	34.0	51.0
55	26.5	18.6	28.0
61	21.5	20.0	30.0

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.292 ug/l

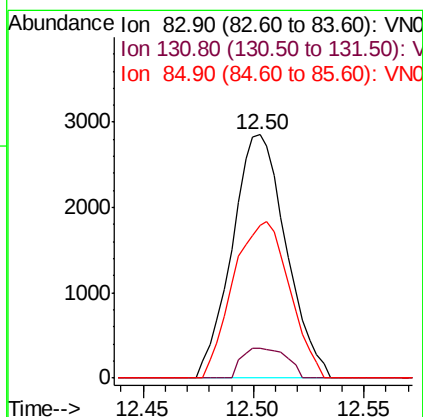
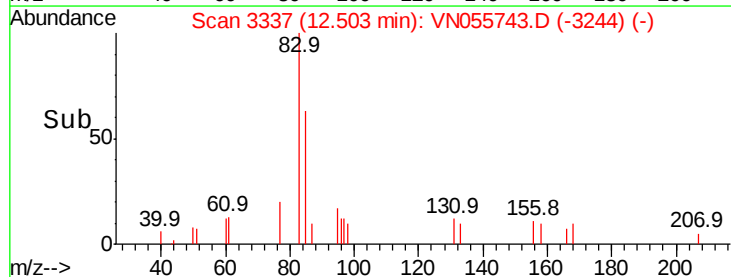
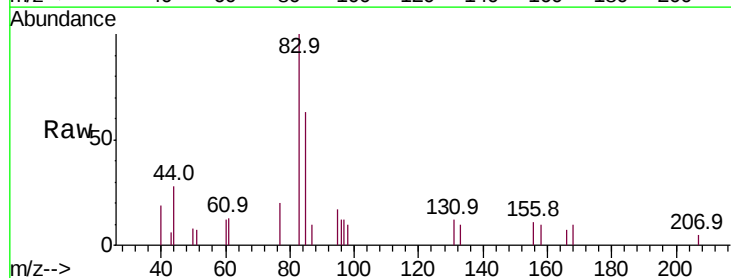
RT: 12.50 min Scan# 3337

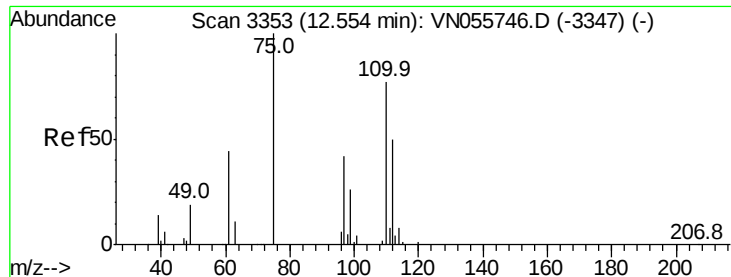
Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Tgt Ion:	83	Resp:	4844
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.4	16.2
85	67.1	32.4	97.0





#76

1,2,3-Trichloropropane

Concen: 1.233 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 3788

Ion Ratio Lower Upper

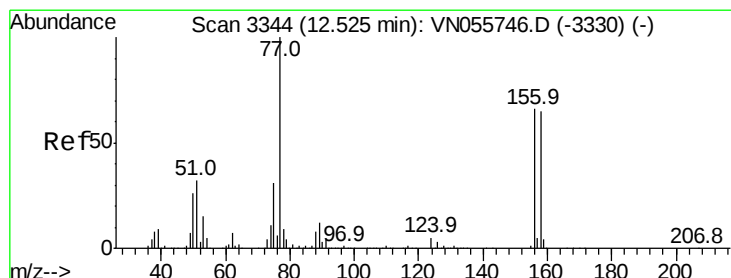
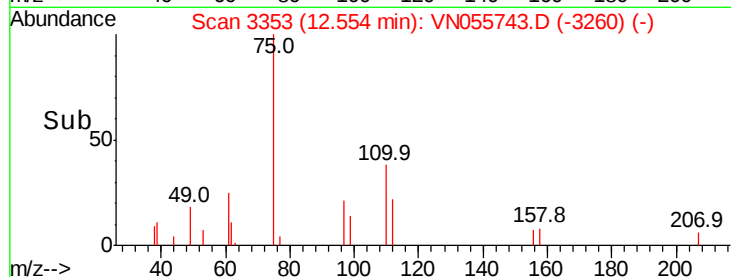
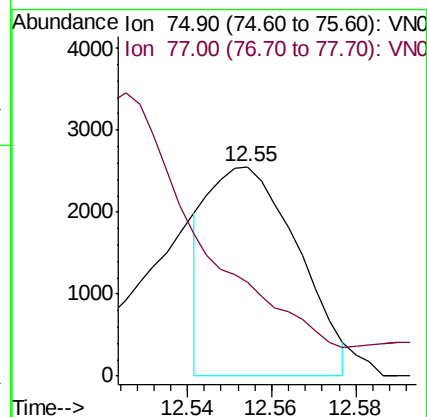
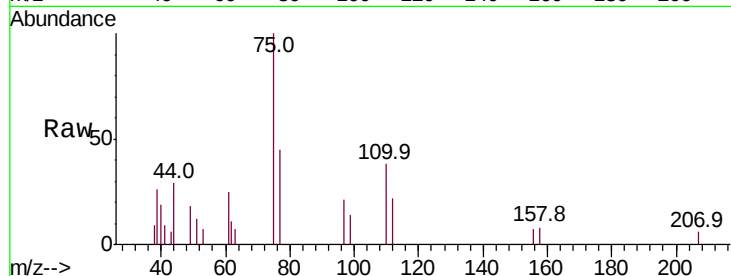
75 100

77 0.0 0.0 0.0

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#77

Bromobenzene

Concen: 1.195 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

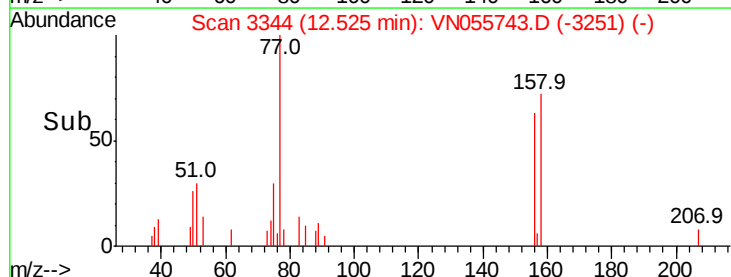
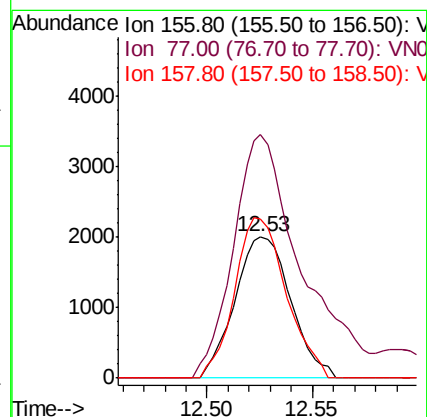
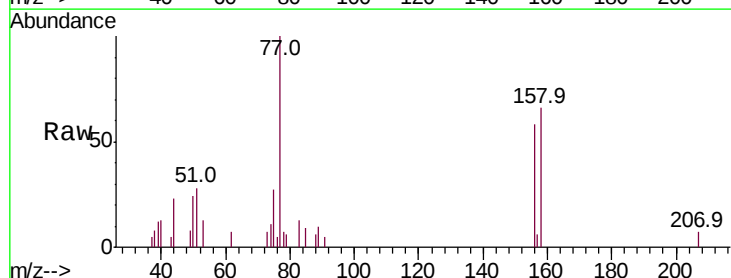
Tgt Ion: 156 Resp: 3681

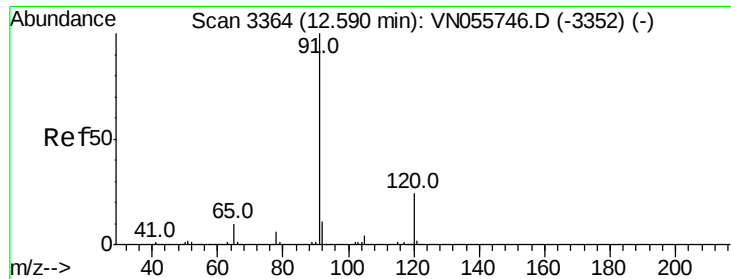
Ion Ratio Lower Upper

156 100

77 208.9 90.8 272.5

158 105.3 49.3 147.8





#78

n-propylbenzene

Concen: 1.168 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 15410

Ion Ratio Lower Upper

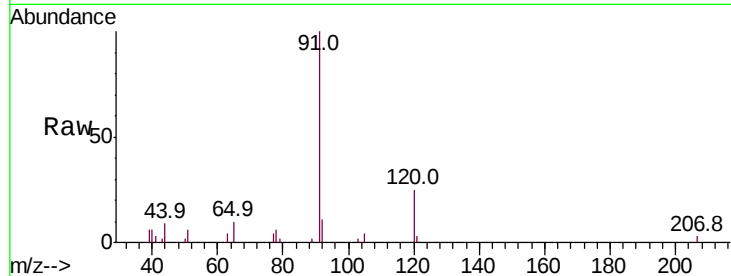
91 100

120 24.1 12.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

10000

8000

6000

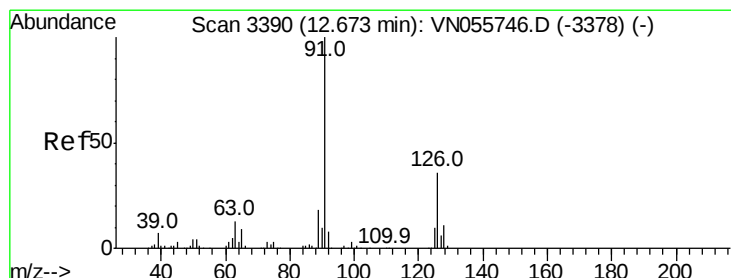
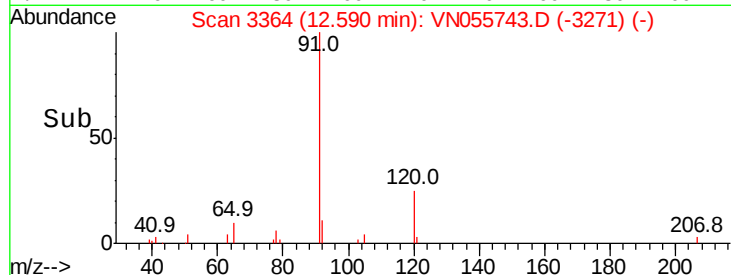
4000

2000

0

12.55 12.60 12.65

Time-->



#79

2-Chlorotoluene

Concen: 1.242 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055743.D

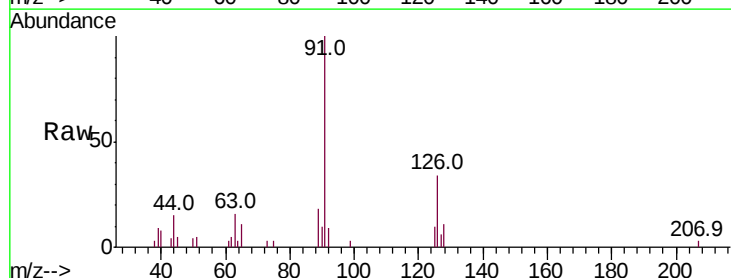
Acq: 23 May 2019 9:21

Tgt Ion: 91 Resp: 9987

Ion Ratio Lower Upper

91 100

126 33.7 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

6000

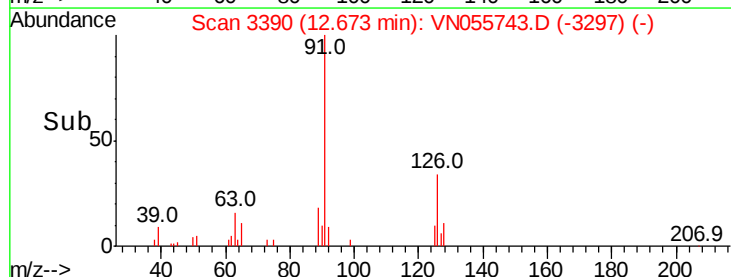
4000

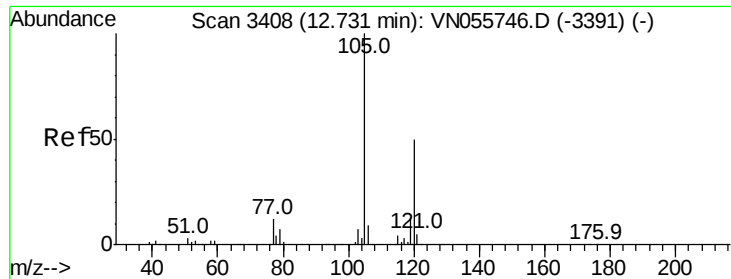
2000

0

12.65 12.70

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 1.300 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 13295

Ion Ratio Lower Upper

105 100

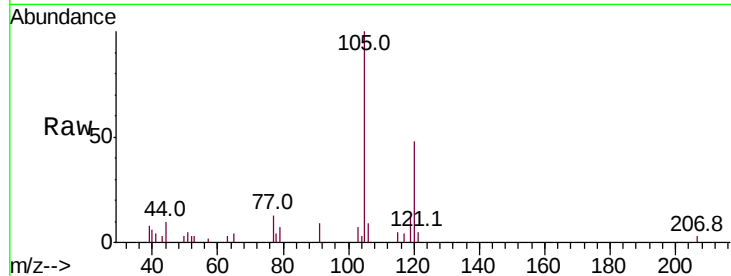
120 47.3 24.7 74.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

8000

6000

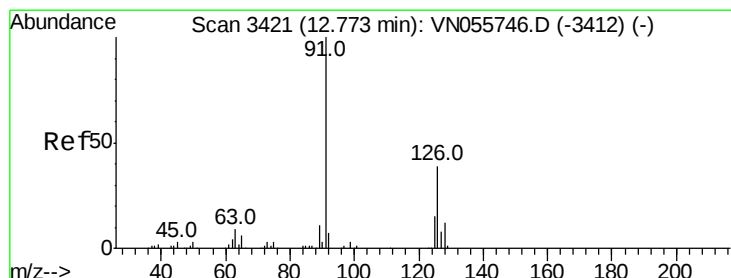
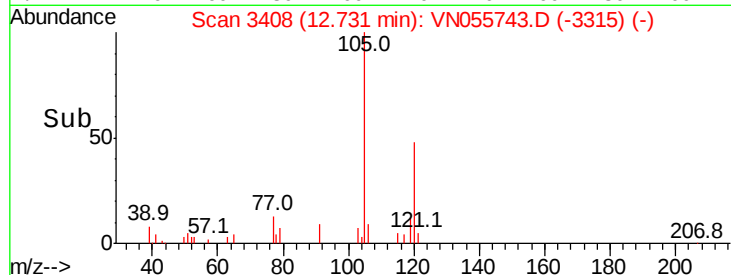
4000

2000

0

12.70 12.75

Time-->



#82

4-Chlorotoluene

Concen: 1.125 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055743.D

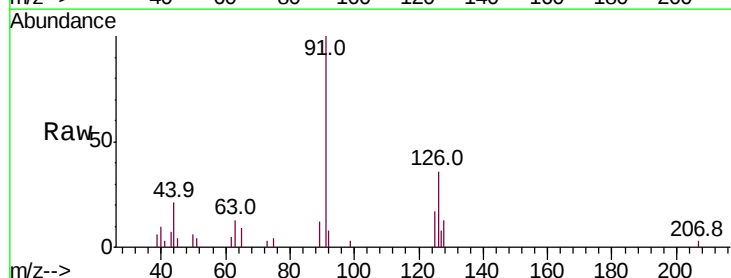
Acq: 23 May 2019 9:21

Tgt Ion: 91 Resp: 8755

Ion Ratio Lower Upper

91 100

126 34.7 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.77

5000

4000

3000

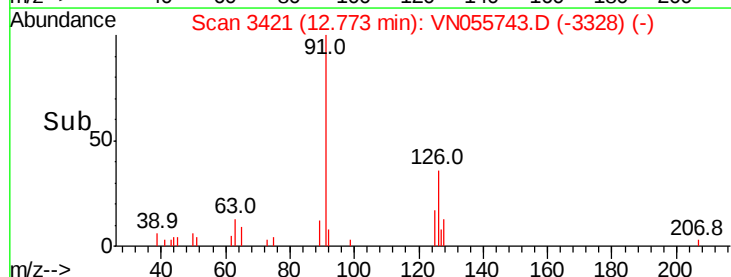
2000

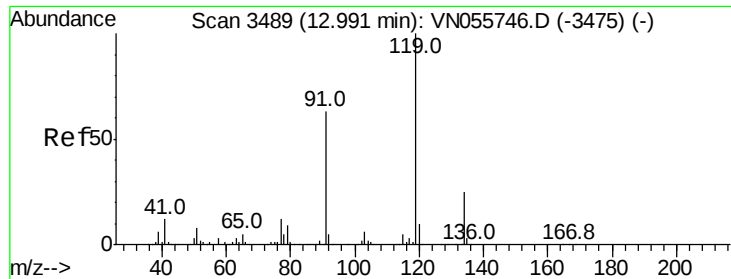
1000

0

12.75 12.80

Time-->





#83

tert-Butylbenzene

Concen: 1.353 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

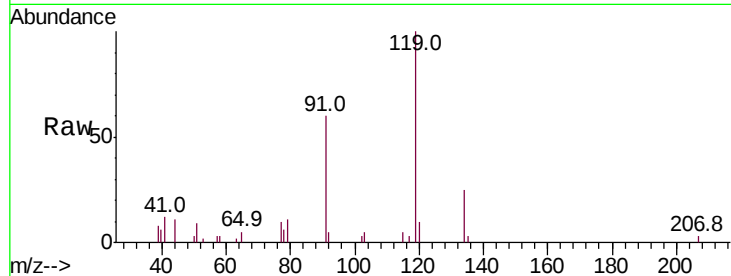
ClientSampleId :

VSTDIC001

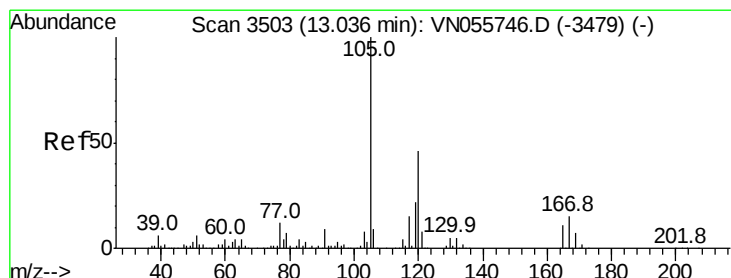
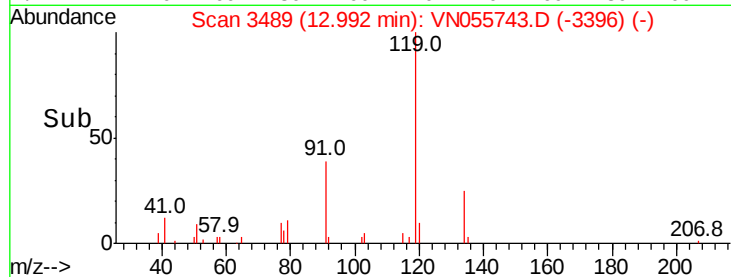
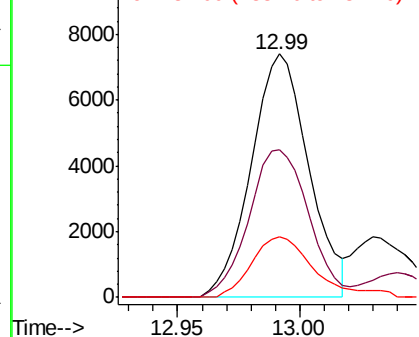
Tot Ion:	119	Resp:	12141
Ion Ratio	Lower	Upper	
119	100		
91	62.9	30.9	92.8
134	27.0	13.3	39.8

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.223 ug/l

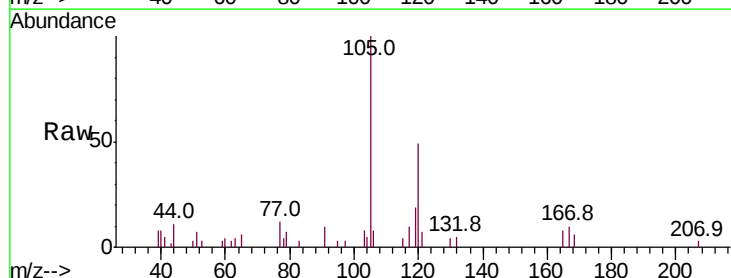
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

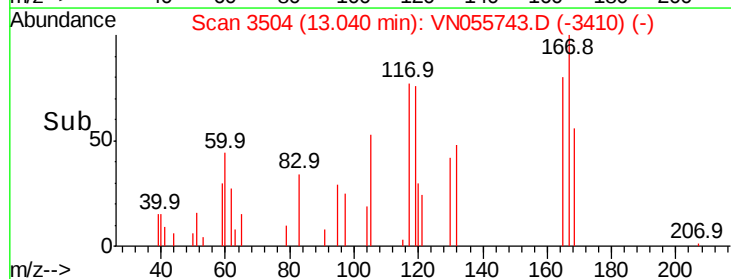
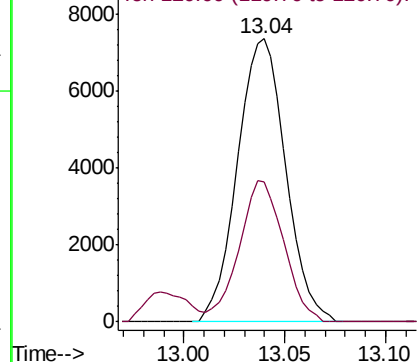
Lab File: VN055743.D

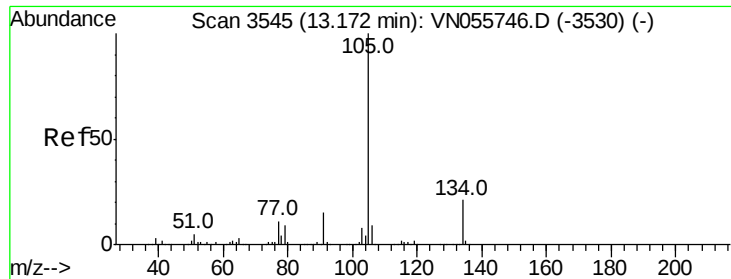
Acq: 23 May 2019 9:21

Tgt Ion:	105	Resp:	12324
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.0	69.0



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





#85

sec-Butylbenzene

Concen: 1.221 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 13915

Ion Ratio Lower Upper

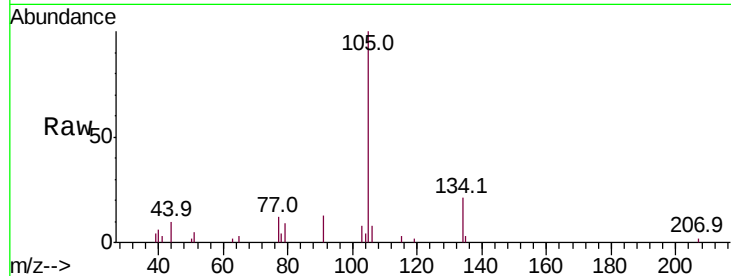
105 100

134 20.1 10.4 31.2

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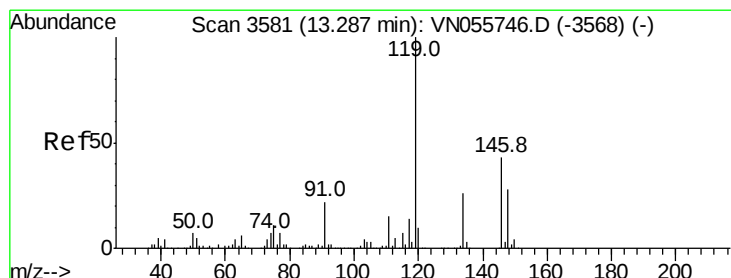
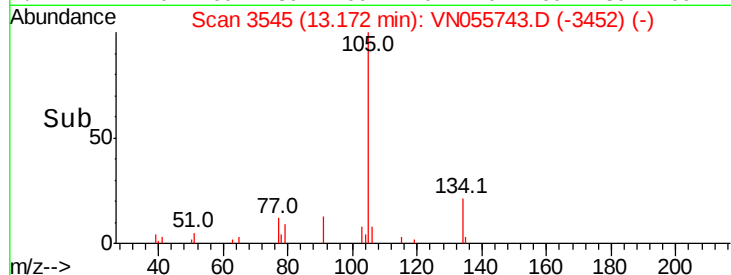
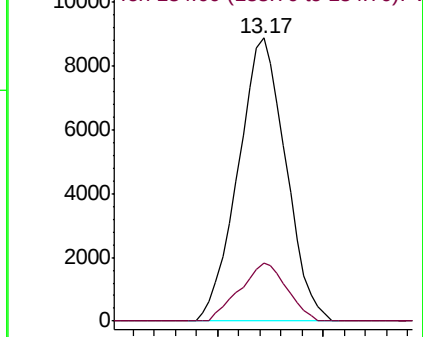
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.171 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

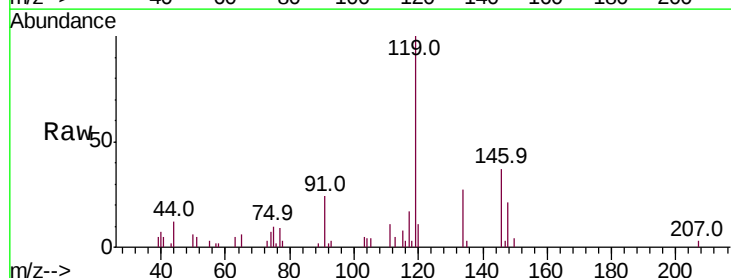
Tgt Ion:119 Resp: 12264

Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.1

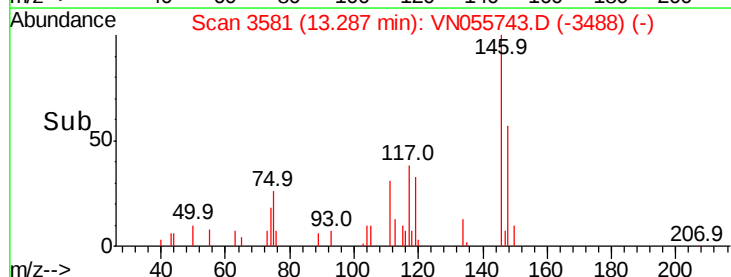
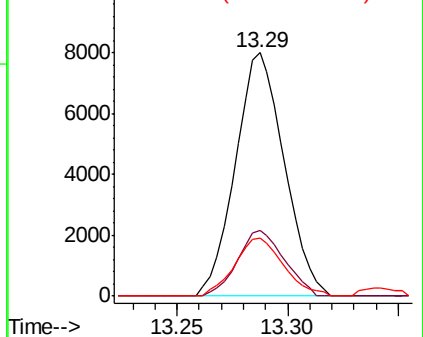
91 23.9 10.9 32.9

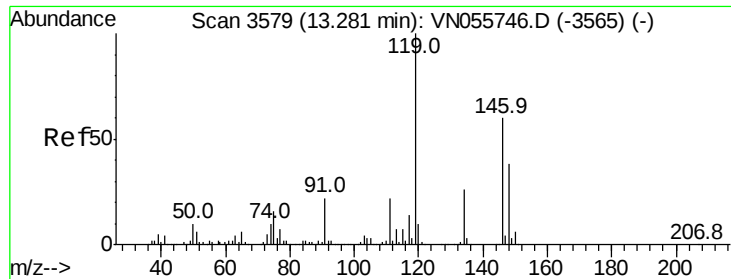


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





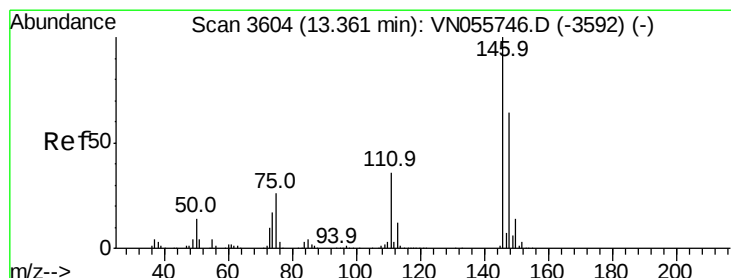
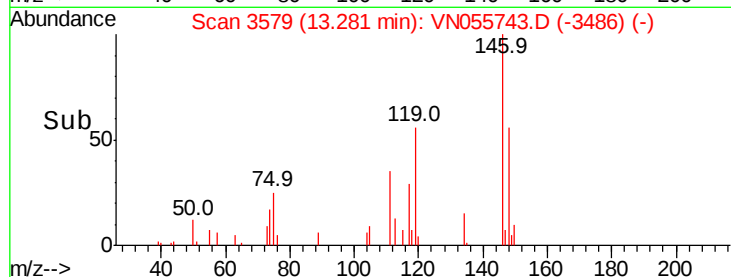
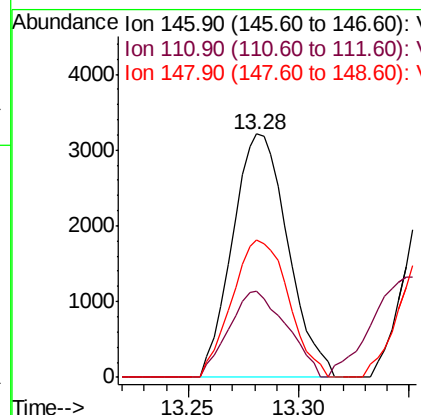
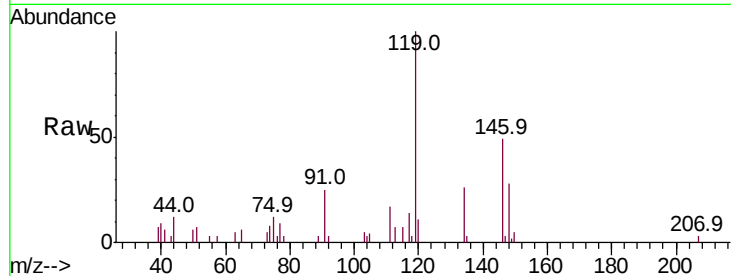
#87
 1,3-Dichlorobenzene
 Concen: 1.103 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.5	55.5
148	57.6	32.0	96.2

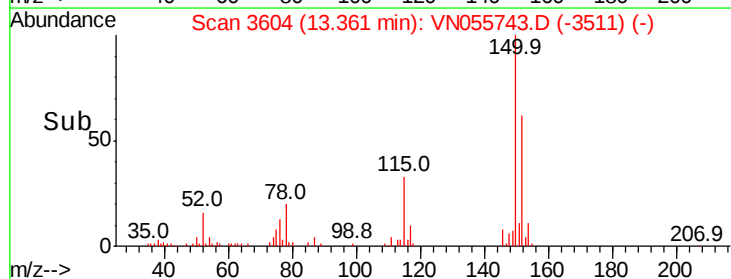
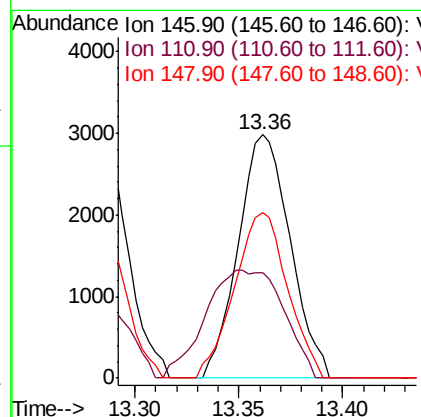
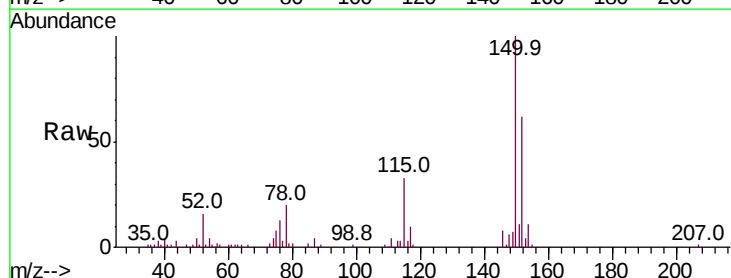
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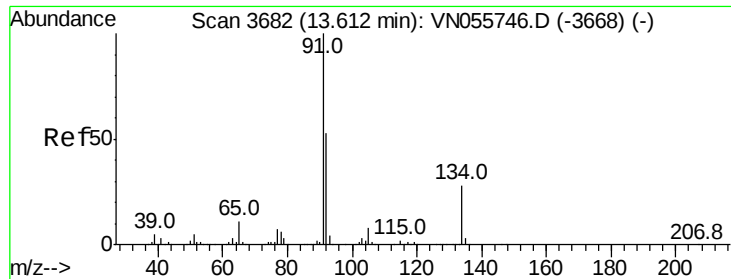
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#88
 1,4-Dichlorobenzene
 Concen: 1.075 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.1	54.4
148	62.2	32.1	96.5





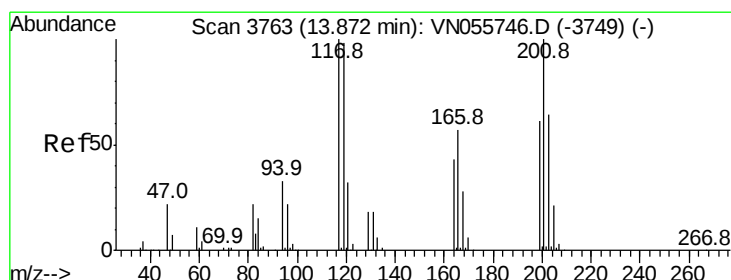
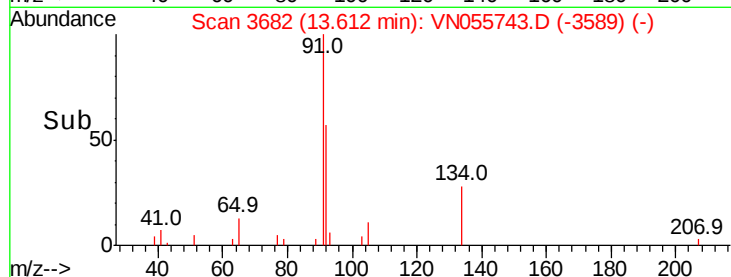
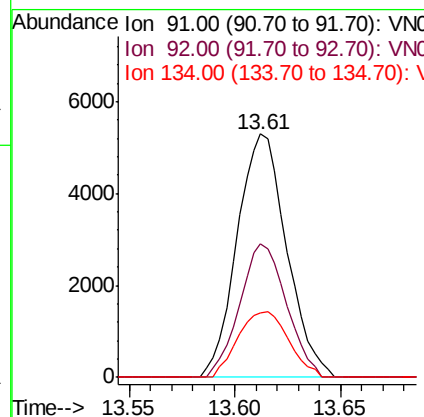
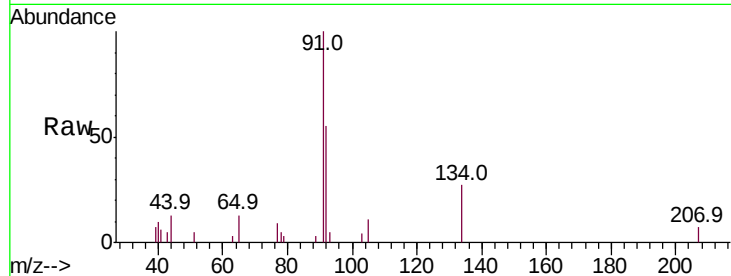
#89
n-Butylbenzene
Concen: 1.060 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.4	79.0
134	27.6	13.9	41.7

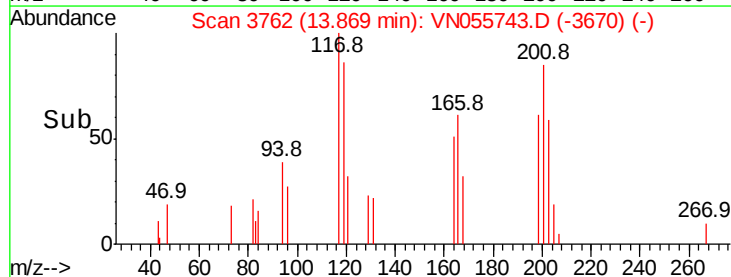
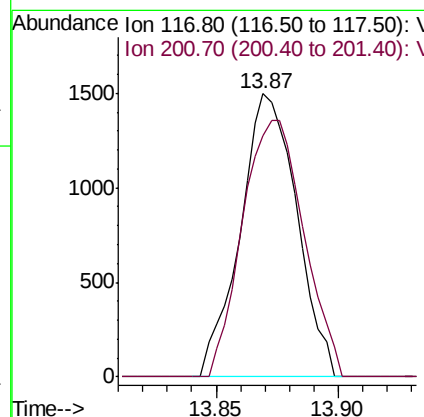
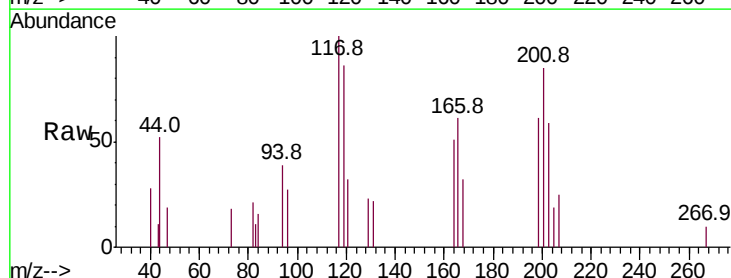
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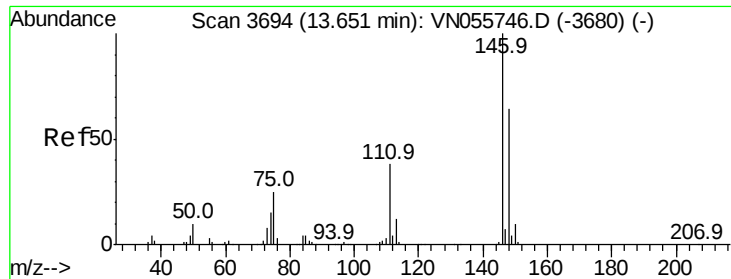
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#90
Hexachloroethane
Concen: 1.201 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.6	50.0	150.0





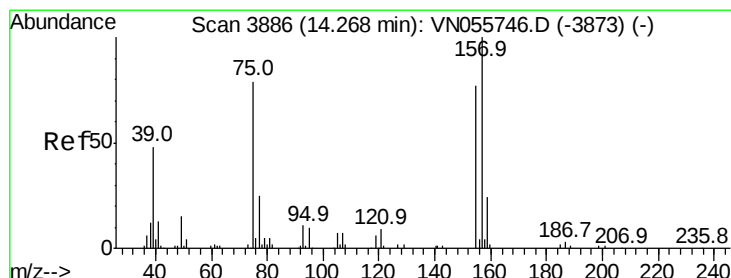
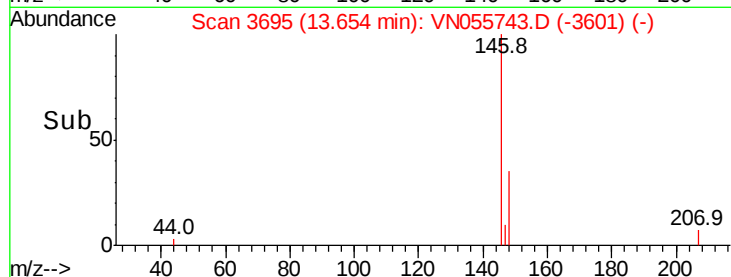
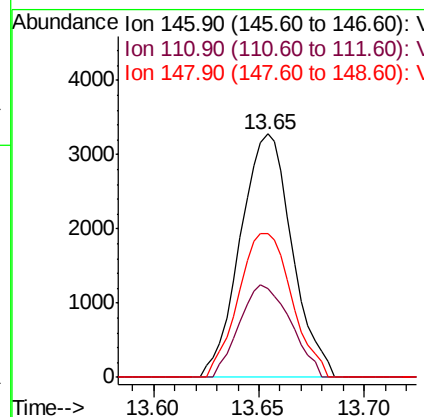
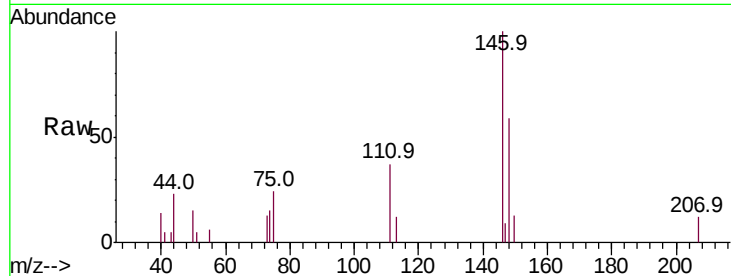
#91
 1,2-Dichlorobenzene
 Concen: 1.107 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	60.8	31.9	95.9

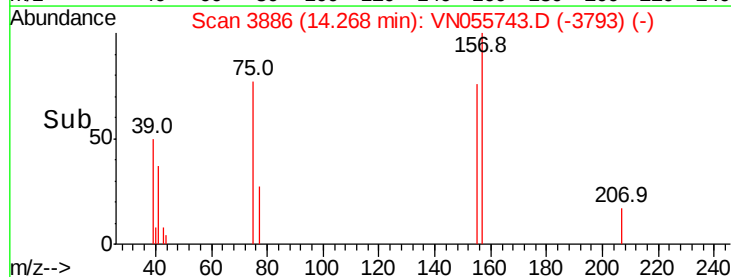
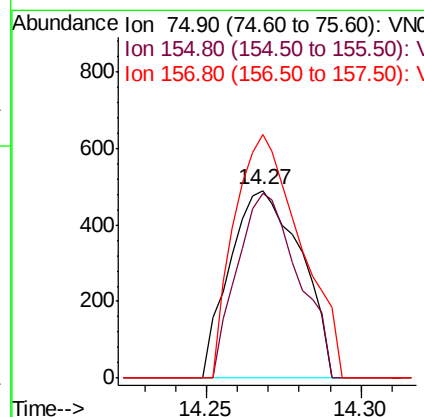
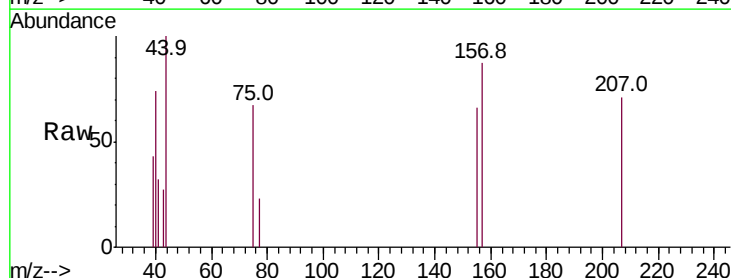
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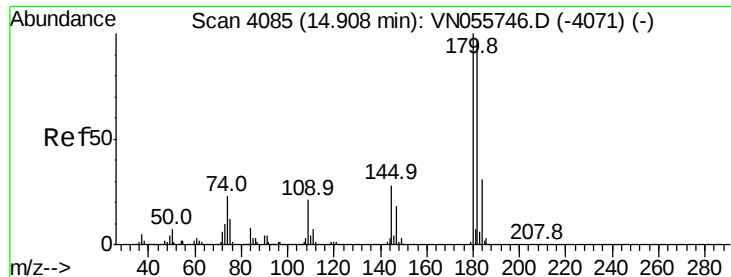
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.172 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	50.0	150.1
157	121.0	64.8	194.3





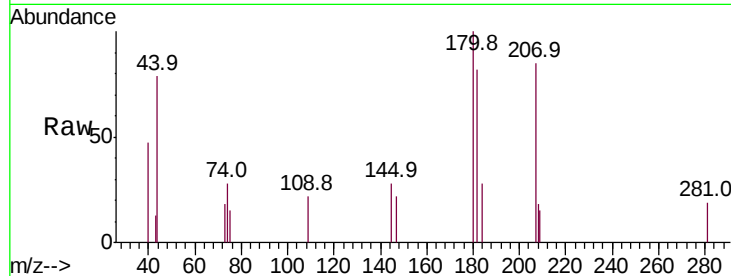
#93
 1,2,4-Trichlorobenzene
 Concen: 0.768 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

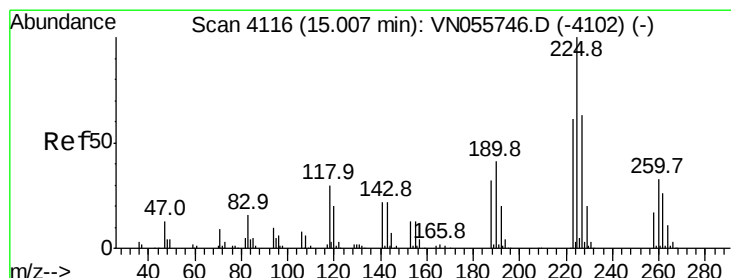
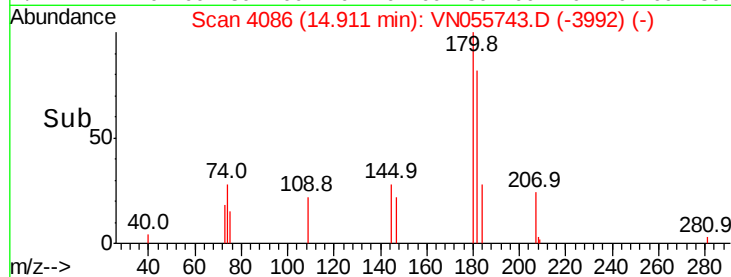
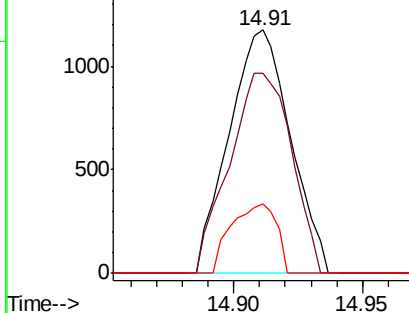
Tot Ion	Ratio	Lower	Upper
180	100		
182	83.3	48.3	144.9
145	20.9	14.0	41.9

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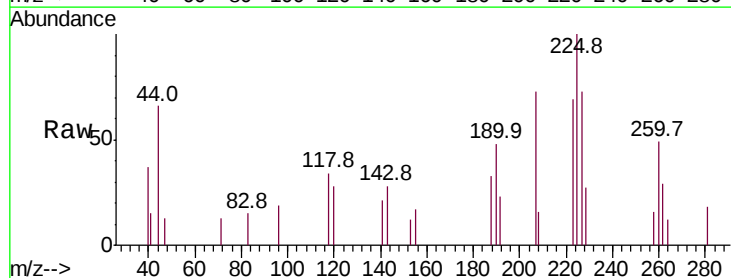


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

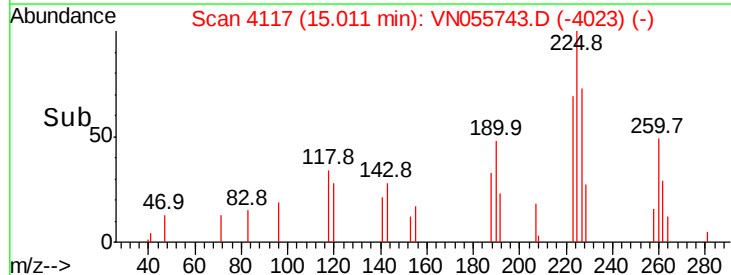
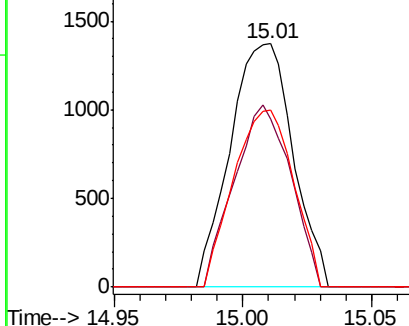


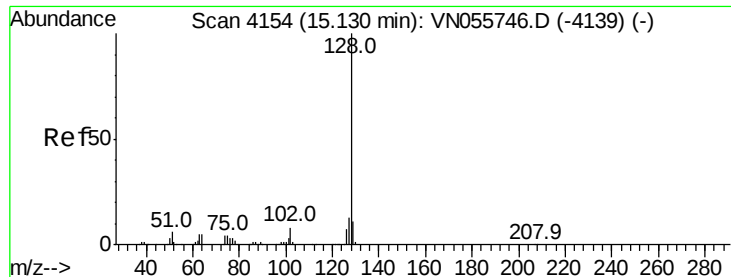
#94
 Hexachlorobutadiene
 Concen: 1.300 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.6	30.9	92.7
227	69.5	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





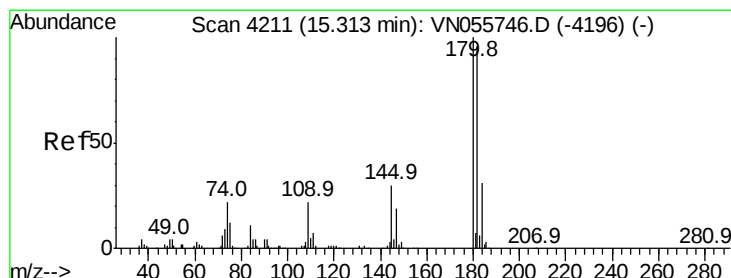
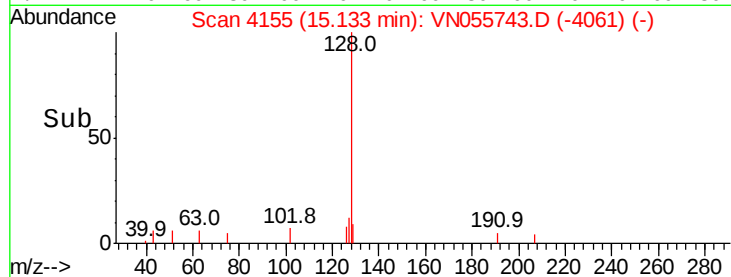
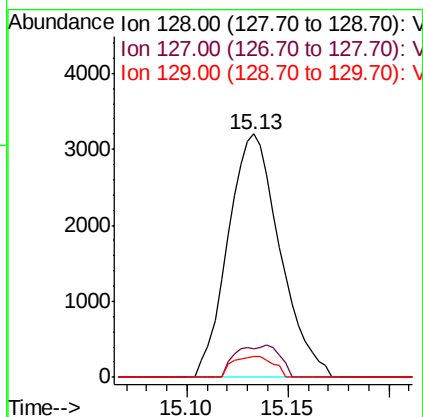
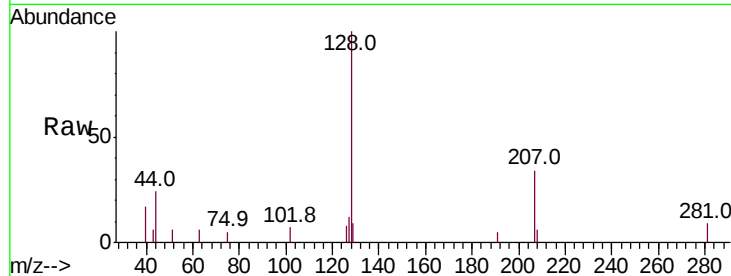
#95
Naphthalene
Concen: 0.839 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.3	15.5
129	6.8	8.7	13.1#

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#96
1,2,3-Trichlorobenzene
Concen: 0.798 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.9	143.7
145	25.6	14.9	44.7

