

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052489.D
 Acq On : 27 Nov 2018 19:53
 Operator : MD\SY
 Sample : VN1127MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:34:15 AM

Quant Time: Nov 28 07:04:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1147569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1791709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1572678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	700020	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	594747	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	7.59	113	538792	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.09	98	2104789	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.40	95	700229	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	186298	17.34	ug/l	98
3) Chloromethane	2.06	50	254980	17.98	ug/l	99
4) Vinyl Chloride	2.19	62	263193	18.06	ug/l	99
5) Bromomethane	2.58	94	154143	16.96	ug/l	100
6) Chloroethane	2.71	64	158739	17.99	ug/l	100
7) Trichlorofluoromethane	3.02	101	323823	18.09	ug/l	100
8) Diethyl Ether	3.41	74	126881	19.20	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	199960	17.91	ug/l	98
10) Methyl Iodide	3.96	142	276176	18.57	ug/l	99
11) Tert butyl alcohol	4.77	59	49598	79.29	ug/l	99
12) 1,1-Dichloroethene	3.74	96	198762	18.49	ug/l	97
13) Acrolein	3.61	56	88851	103.61	ug/l	99
14) Allyl chloride	4.33	41	339122	18.30	ug/l	99
15) Acrylonitrile	4.99	53	352377	88.99	ug/l	99
16) Acetone	3.82	43	233785	70.94	ug/l	97
17) Carbon Disulfide	4.06	76	571603	16.90	ug/l	99
18) Methyl Acetate	4.33	43	169472	17.93	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	547701	19.15	ug/l	98
20) Methylene Chloride	4.56	84	227969	17.68	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	215671	18.79	ug/l	98
22) Diisopropyl ether	5.95	45	729305	18.74	ug/l	96
23) Vinyl Acetate	5.90	43	2240866	92.45	ug/l	99
24) 1,1-Dichloroethane	5.85	63	412604	18.57	ug/l	99
25) 2-Butanone	6.83	43	389343	83.35	ug/l	97
26) 2,2-Dichloropropane	6.83	77	265085	17.24	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	246768	18.45	ug/l	98
28) Bromochloromethane	7.20	49	204533	20.15	ug/l	97
29) Tetrahydrofuran	7.21	42	261955	86.94	ug/l	98
30) Chloroform	7.37	83	397325	17.92	ug/l	98
31) Cyclohexane	7.65	56	397159	18.23	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	328665	18.71	ug/l	98
36) 1,1-Dichloropropene	7.79	75	309902	18.32	ug/l	98
37) Ethyl Acetate	6.93	43	178361	17.27	ug/l	99
38) Carbon Tetrachloride	7.78	117	277195	18.10	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	376296	18.30	ug/l	99
40) Benzene	8.04	78	969125	19.22	ug/l	100
41) Methacrylonitrile	7.17	41	86348	15.30	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	286380	18.76	ug/l	99
43) Isopropyl Acetate	8.16	43	332029	19.00	ug/l	98
44) Trichloroethene	8.84	130	244879	18.96	ug/l	99
45) 1,2-Dichloropropane	9.12	63	251551	18.76	ug/l	99
46) Dibromomethane	9.21	93	138222	18.63	ug/l	99
47) Bromodichloromethane	9.40	83	293277	18.18	ug/l	99
48) Methyl methacrylate	9.20	41	165140	18.12	ug/l	99
49) 1,4-Dioxane	9.20	88	32020	338.61	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	896087	91.40	ug/l	100
52) Toluene	10.16	92	665704	22.22	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	286050	18.43	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	347898	18.70	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	197686	18.76	ug/l	98
56) Ethyl methacrylate	10.43	69	251676	18.97	ug/l	99
57) 1,3-Dichloropropane	10.71	76	345787	18.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	707840	92.57	ug/l	98
59) 2-Hexanone	10.75	43	576916	87.67	ug/l	99
60) Dibromochloromethane	10.90	129	207917	18.17	ug/l	99
61) 1,2-Dibromoethane	11.01	107	194704	18.60	ug/l	99
64) Tetrachloroethene	10.63	164	231157	18.96	ug/l	98
65) Chlorobenzene	11.43	112	621188	19.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	211564	18.76	ug/l	99
67) Ethyl Benzene	11.51	91	1111475	19.57	ug/l	100
68) m/p-Xylenes	11.62	106	900610	42.60	ug/l	99
69) o-Xylene	11.95	106	425637	20.73	ug/l	100
70) Styrene	11.97	104	637754	19.50	ug/l	100
71) Bromoform	12.13	173	135433	18.14	ug/l #	98
73) Isopropylbenzene	12.25	105	1054442	19.20	ug/l	99
74) N-amyl acetate	12.07	43	263712	19.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	227234	18.19	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	209542m	19.41	ug/l	
77) Bromobenzene	12.53	156	266191	19.61	ug/l	96
78) n-propylbenzene	12.59	91	1197480	19.19	ug/l	99
79) 2-Chlorotoluene	12.68	91	706724	19.02	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	868893	19.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54566	16.88	ug/l	94
82) 4-Chlorotoluene	12.77	91	703814	18.80	ug/l	99
83) tert-Butylbenzene	12.99	119	762649	19.53	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	918495	20.92	ug/l	100
85) sec-Butylbenzene	13.17	105	1019722	19.17	ug/l	99
86) p-Isopropyltoluene	13.29	119	865491	19.11	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	444523	18.72	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	436737	18.67	ug/l	98
89) n-Butylbenzene	13.62	91	706044	18.74	ug/l	100
90) Hexachloroethane	13.88	117	136251	17.76	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	435089	19.18	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31951	17.88	ug/l	98

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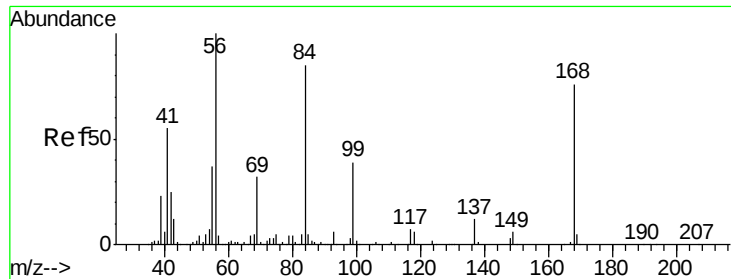
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	208943	18.69	ug/l	99
94) Hexachlorobutadiene	15.01	225	139051	19.05	ug/l	98
95) Naphthalene	15.14	128	490687	20.77	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	198590	19.16	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion:168 Resp: 1147569

Ion Ratio Lower Upper

168 100

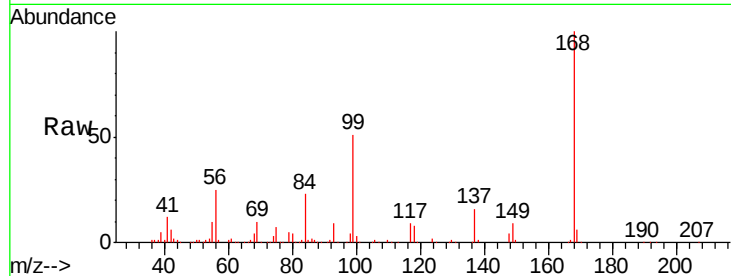
99 51.3 41.7 62.5

Manual Integrations

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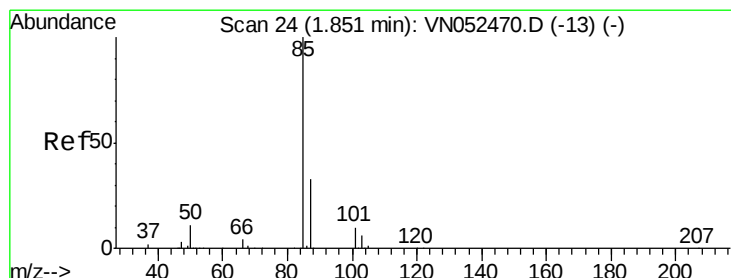
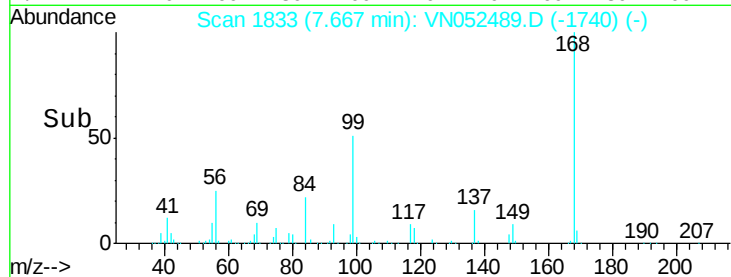
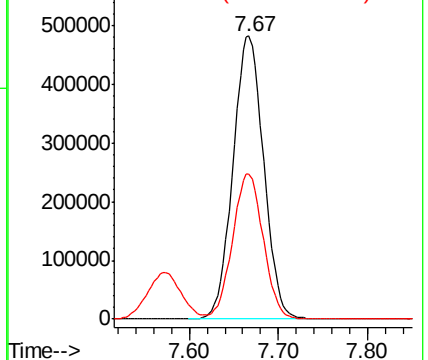
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.34 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052489.D

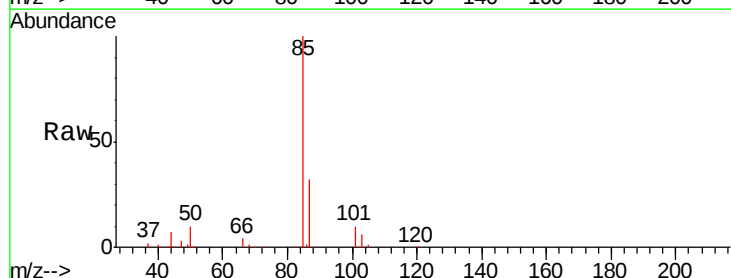
Acq: 27 Nov 2018 19:53

Tgt Ion: 85 Resp: 186298

Ion Ratio Lower Upper

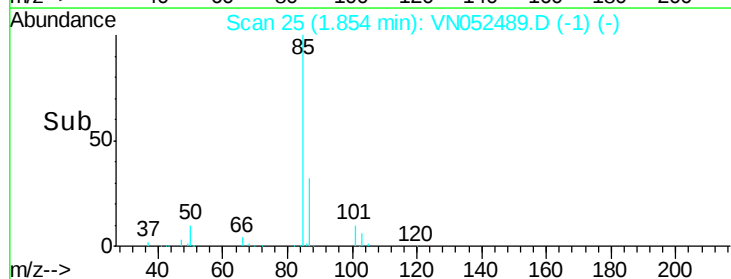
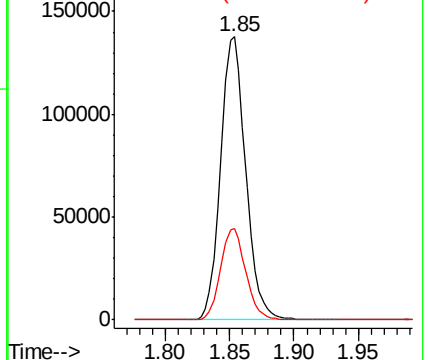
85 100

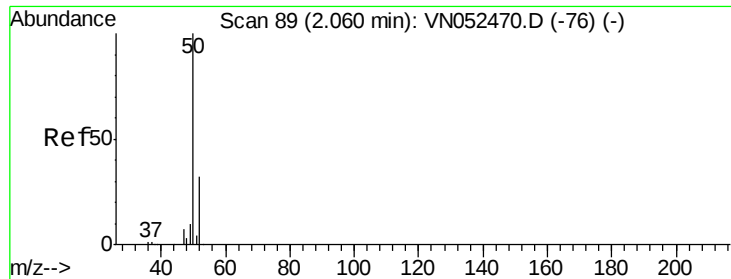
87 32.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.98 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion: 50 Resp: 254980

Ion Ratio Lower Upper

50 100

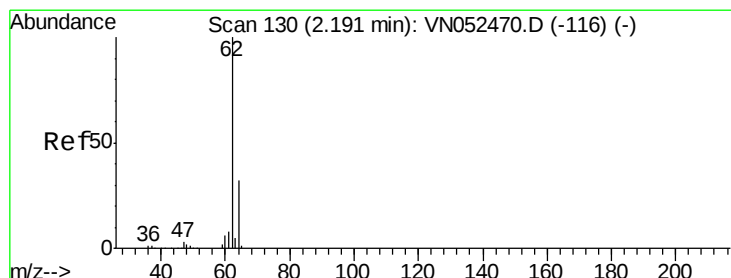
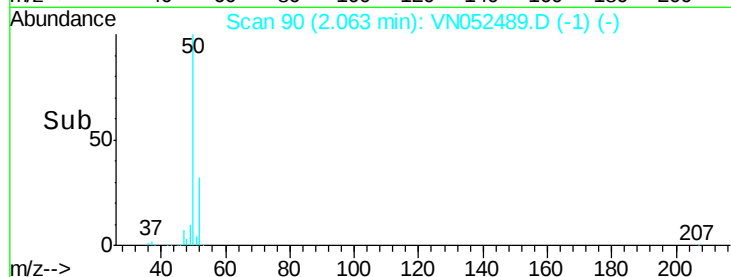
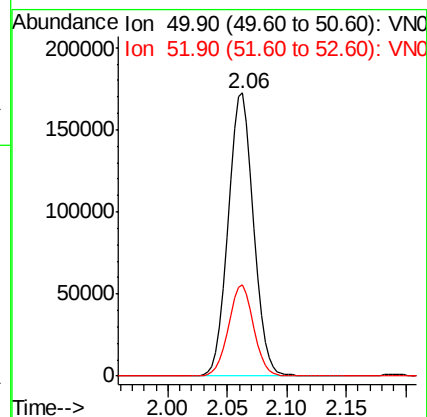
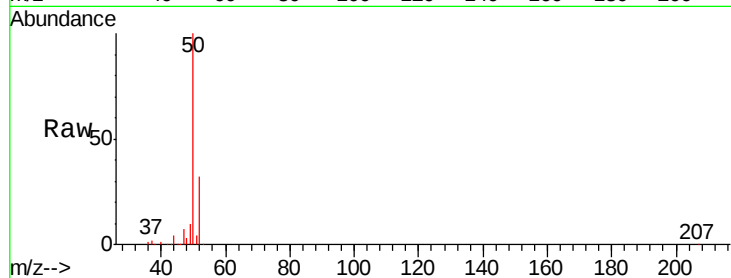
52 32.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.06 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052489.D

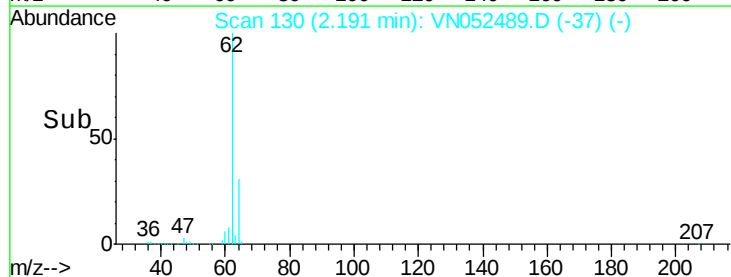
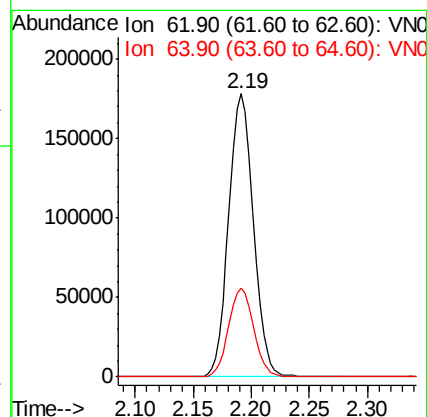
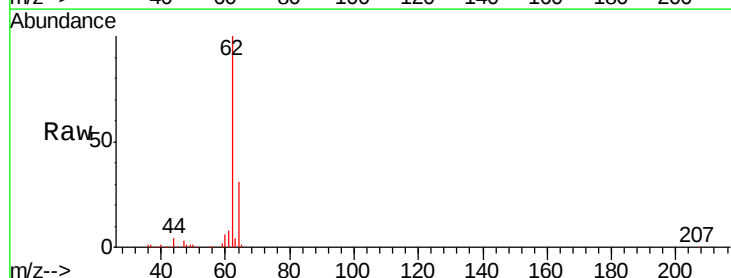
Acq: 27 Nov 2018 19:53

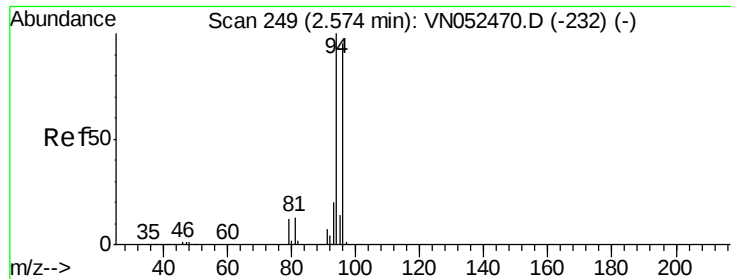
Tgt Ion: 62 Resp: 263193

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 16.96 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion: 94 Resp: 154143

Ion Ratio Lower Upper

94 100

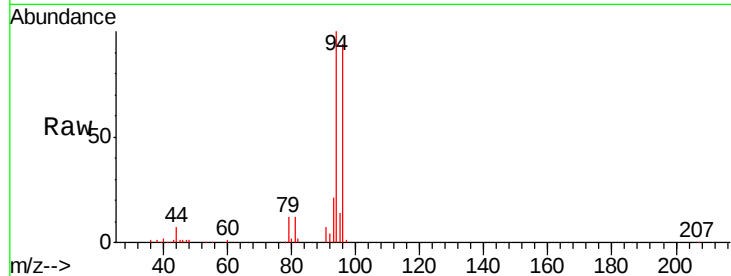
96 94.4 75.8 113.8

Manual Integrations

APPROVED

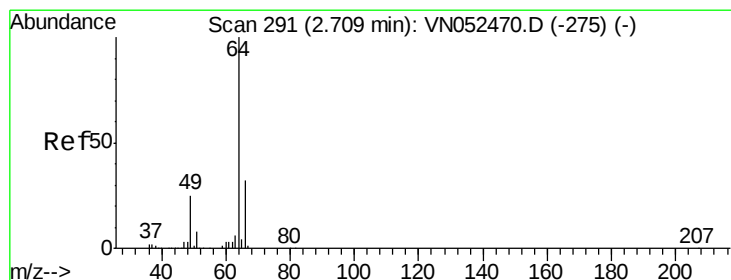
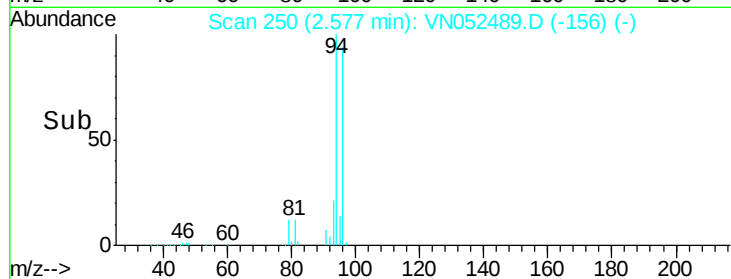
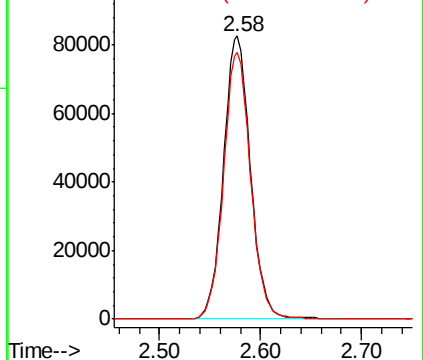
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 17.99 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052489.D

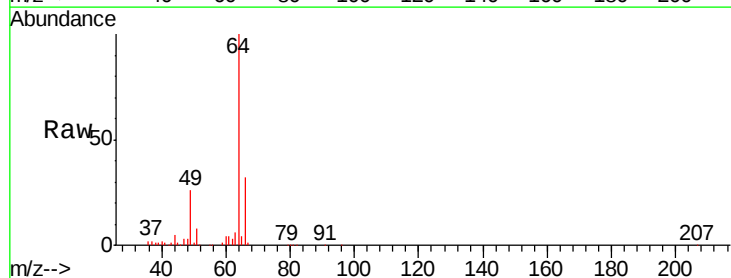
Acq: 27 Nov 2018 19:53

Tgt Ion: 64 Resp: 158739

Ion Ratio Lower Upper

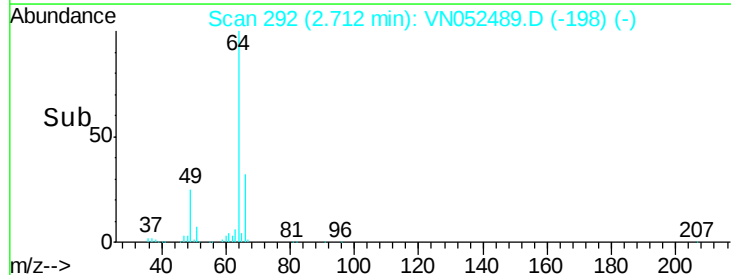
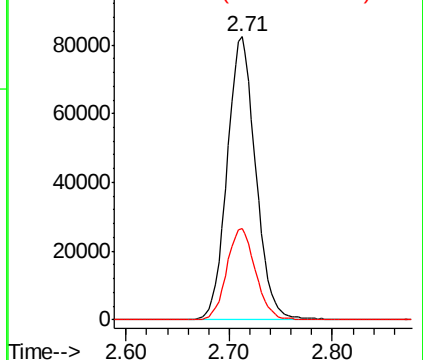
64 100

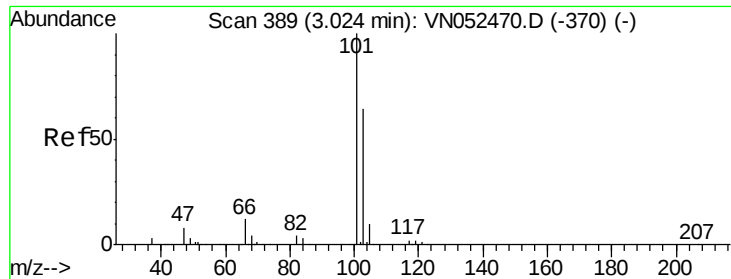
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

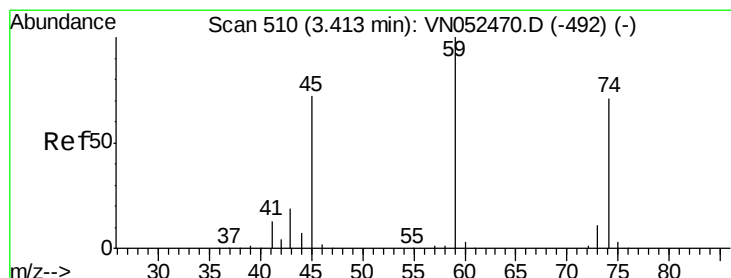
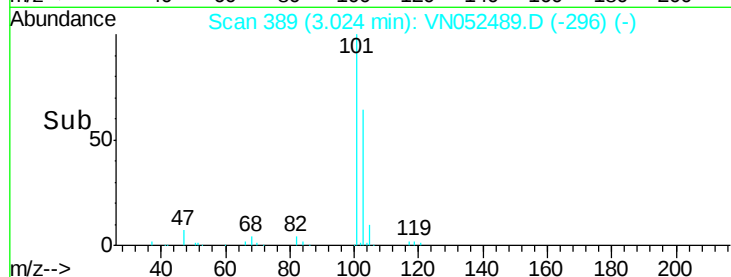
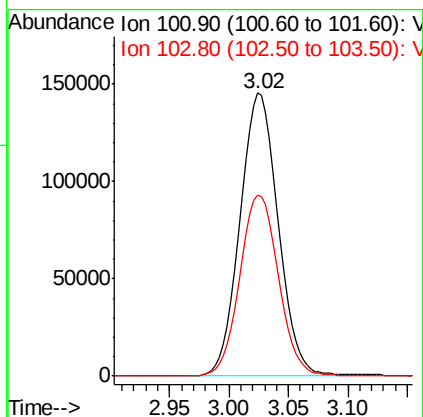
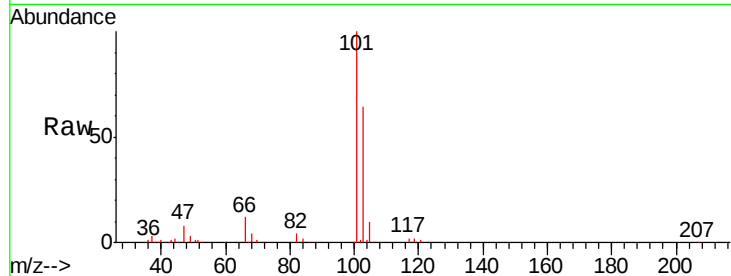
Trichlorofluoromethane
Concen: 18.09 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
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Tgt	Ion	Resp	Lower	Upper
101	100	323823		
103	64.1	51.4	77.2	

Manual Integrations
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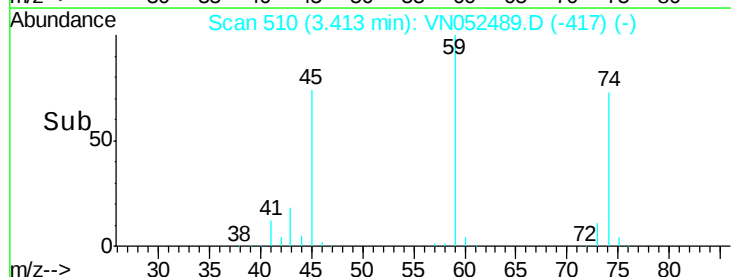
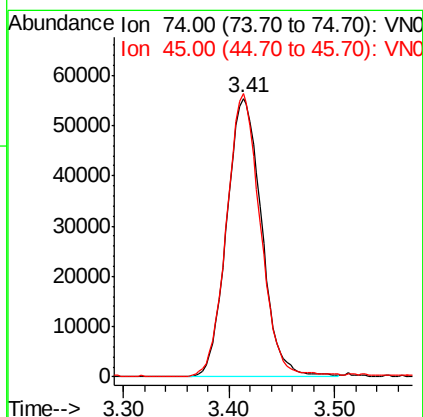
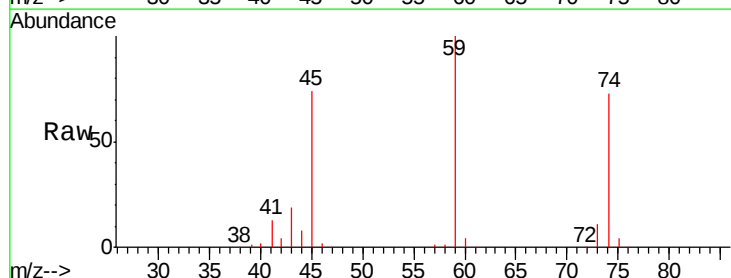
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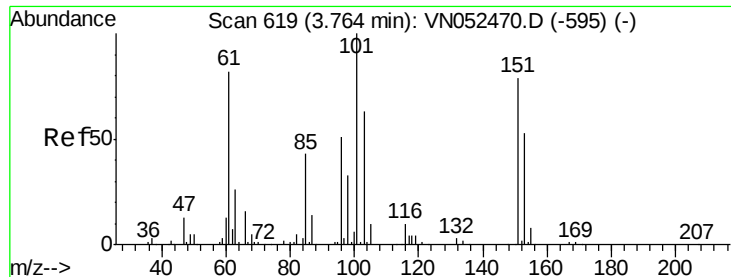


#8

Diethyl Ether
Concen: 19.20 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt	Ion	Resp	Lower	Upper
74	100	126881		
45	99.1	50.4	151.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.91 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

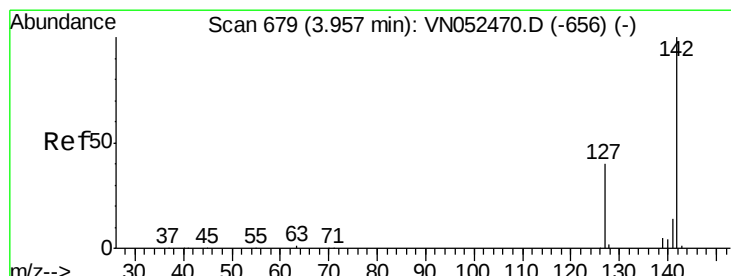
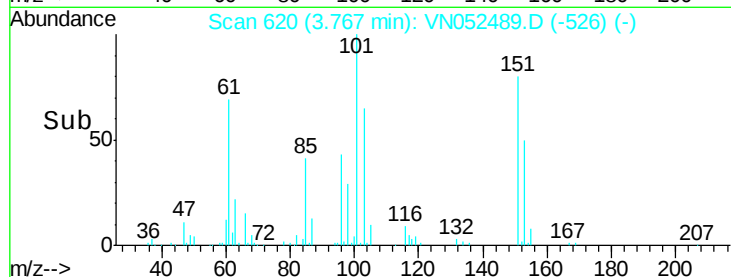
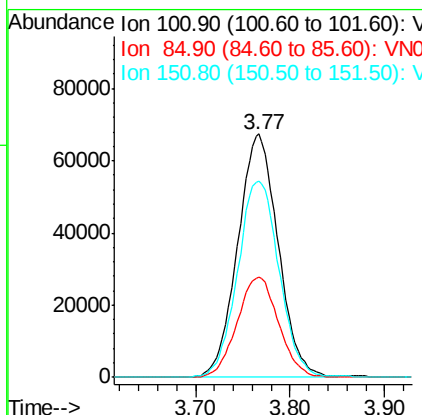
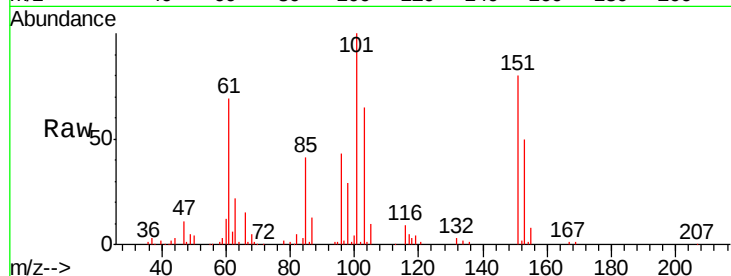
ClientSampleId :

VN1127MBS02

Tgt Ion:	101	Resp:	199960
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	83.1	64.6	96.8

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#10

Methyl Iodide

Concen: 18.57 ug/l

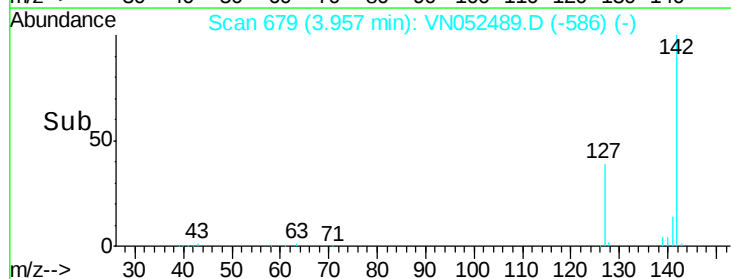
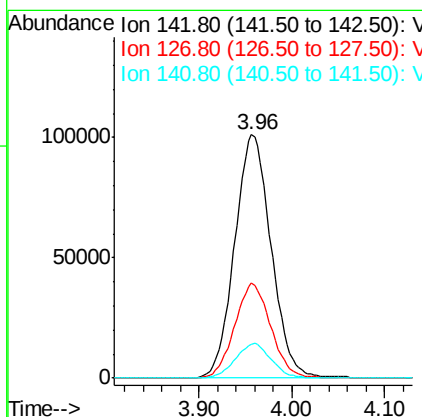
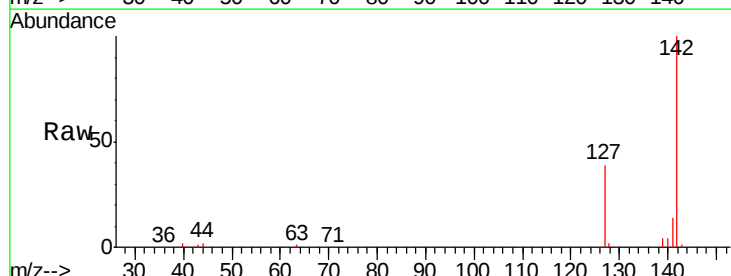
RT: 3.96 min Scan# 679

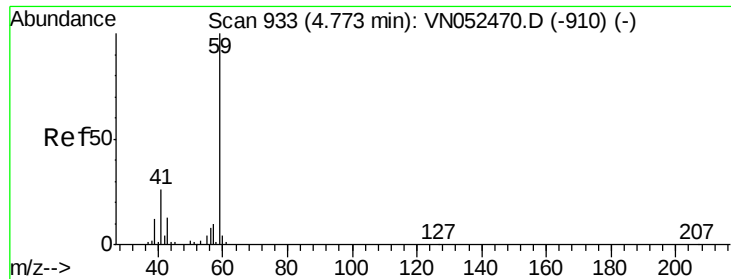
Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Tgt Ion:	142	Resp:	276176
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.8	47.6
141	13.9	11.4	17.0





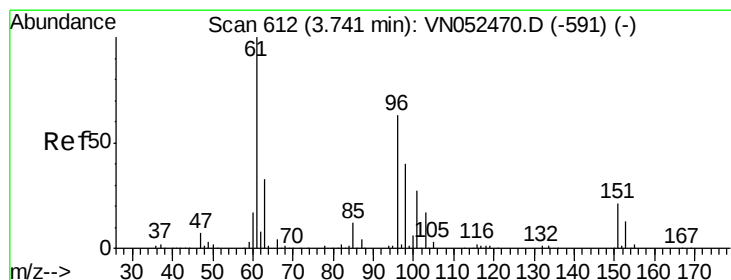
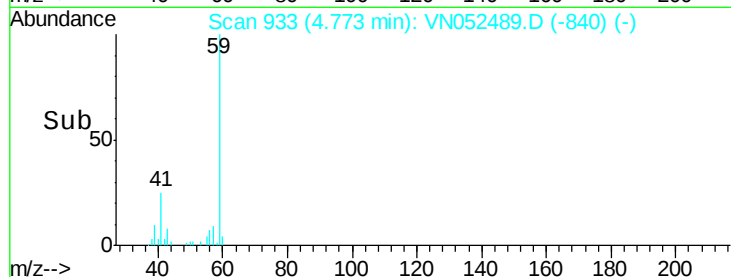
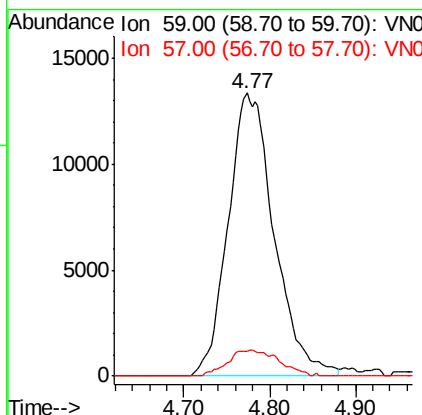
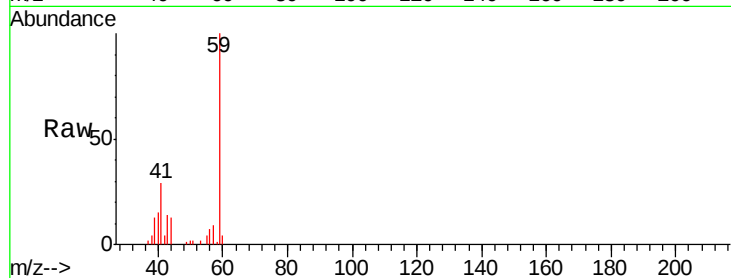
#11
Tert butyl alcohol
Concen: 79.29 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion: 59 Resp: 49598
Ion Ratio Lower Upper
59 100
57 10.4 7.9 11.9

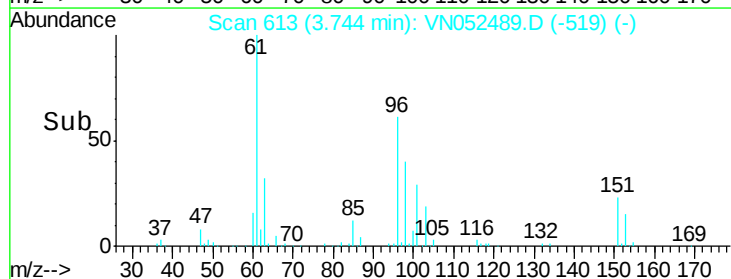
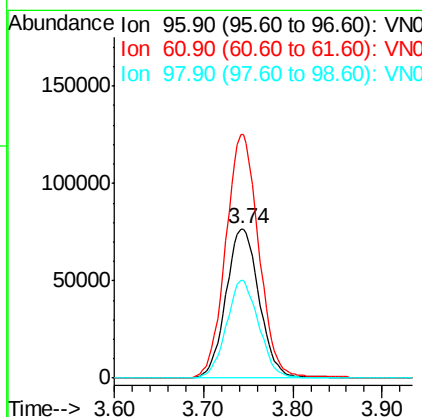
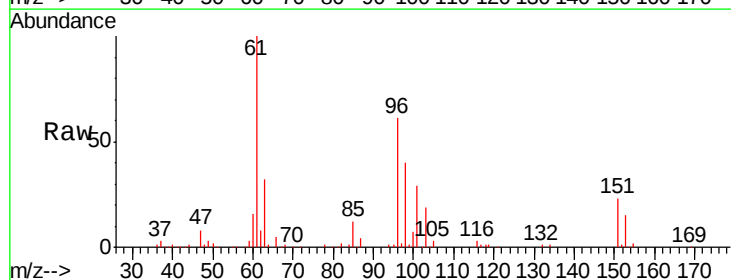
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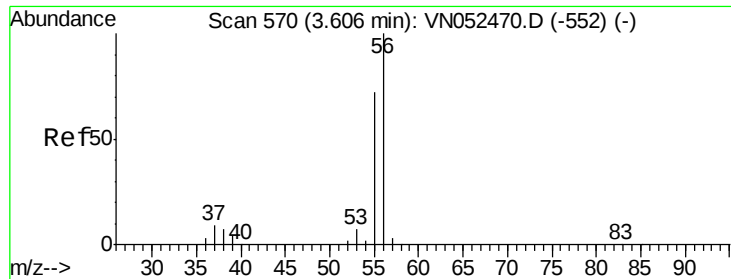
MMDadoda
11/28/2018 9:34:15 AM



#12
1,1-Dichloroethene
Concen: 18.49 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion: 96 Resp: 198762
Ion Ratio Lower Upper
96 100
61 163.2 127.0 190.6
98 65.5 50.3 75.5





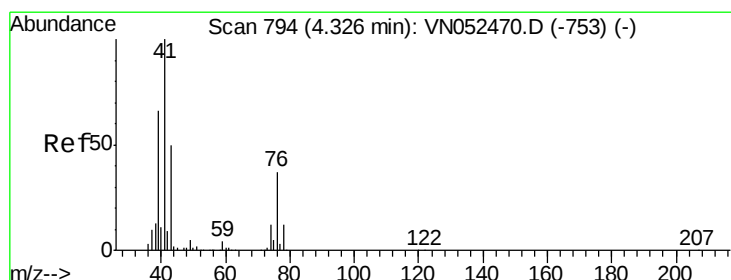
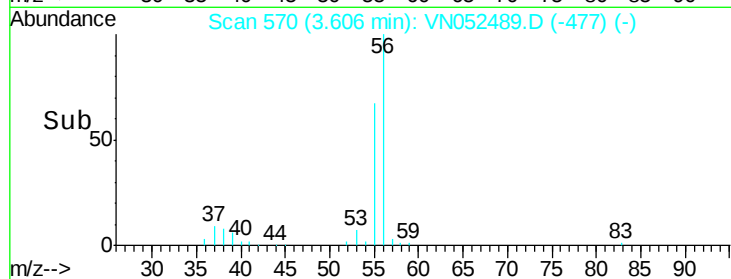
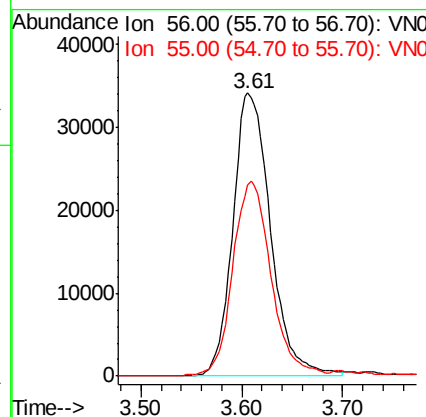
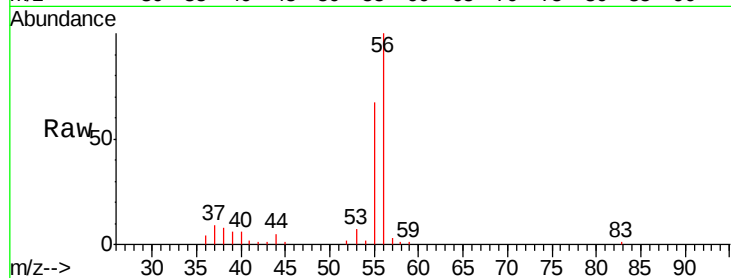
#13
 Acrolein
 Concen: 103.61 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.9	56.8	85.2

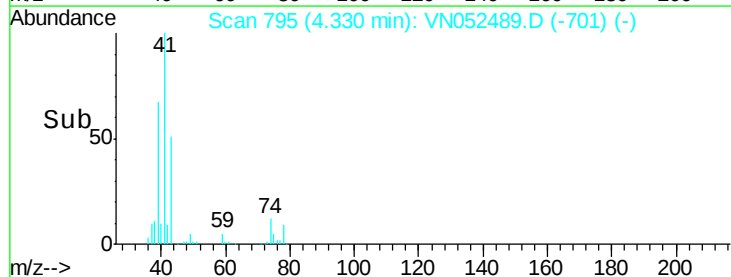
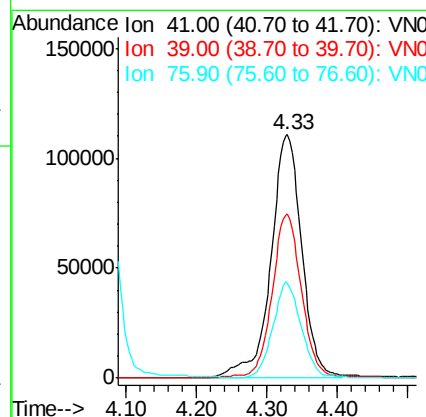
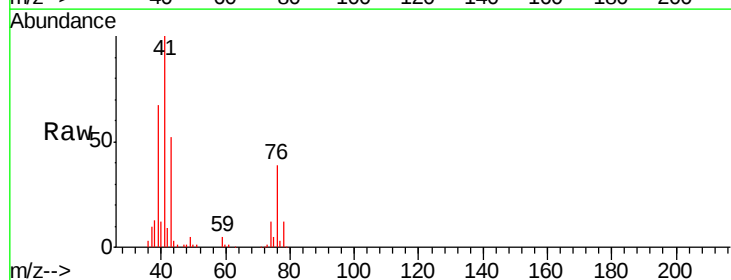
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#14
 Allyl chloride
 Concen: 18.30 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.1	50.6	76.0
76	35.4	27.4	41.2





#15

Acrylonitrile

Concen: 88.99 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

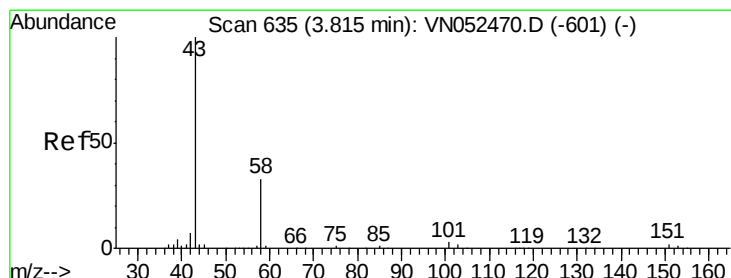
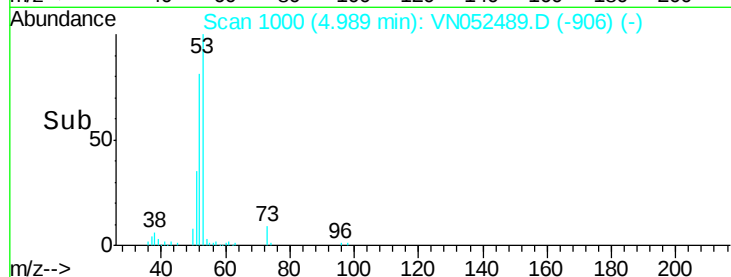
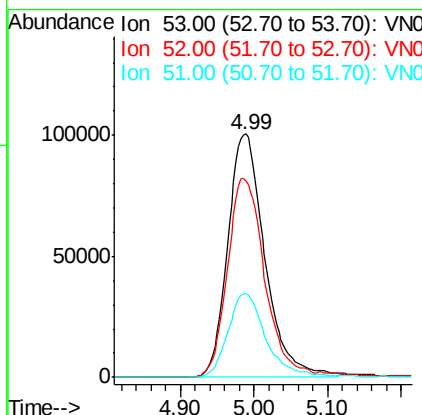
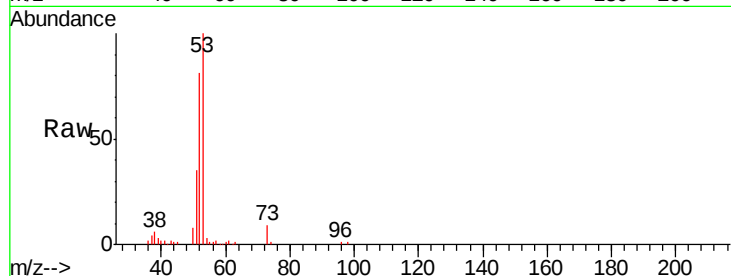
ClientSampleId :

VN1127MBS02

Tgt Ion:	53	Resp:	352377
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.2
51	35.3	28.1	42.1

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#16

Acetone

Concen: 70.94 ug/l

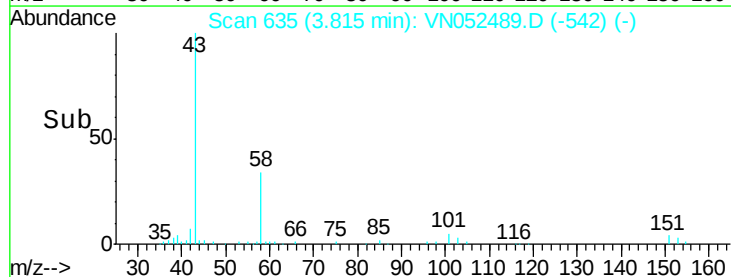
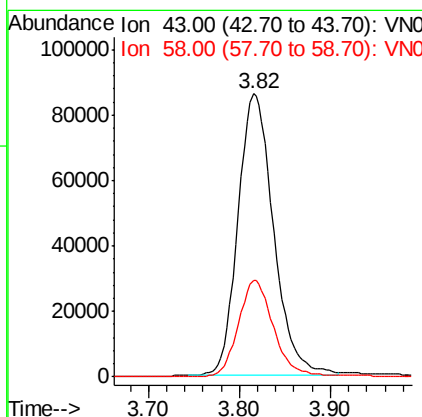
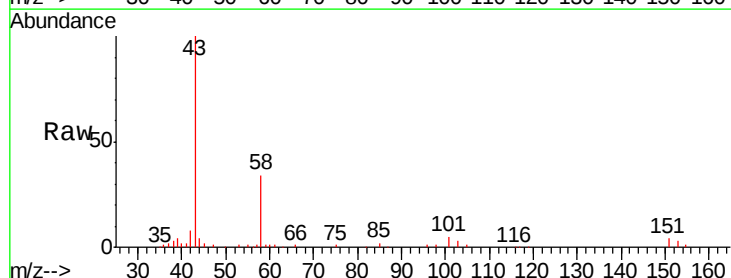
RT: 3.82 min Scan# 635

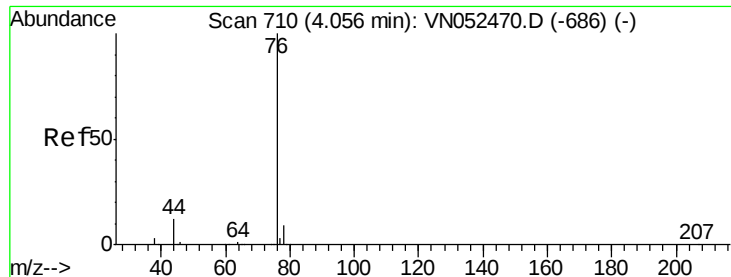
Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Tgt Ion:	43	Resp:	233785
Ion	Ratio	Lower	Upper
43	100		
58	34.2	26.0	39.0





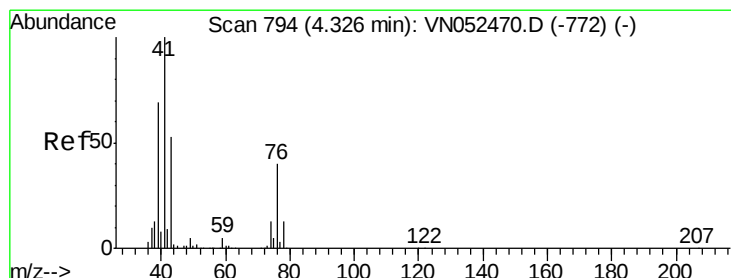
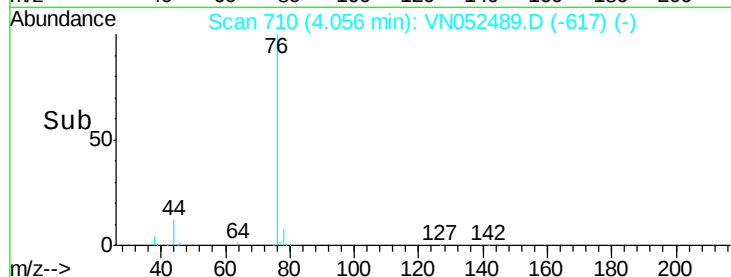
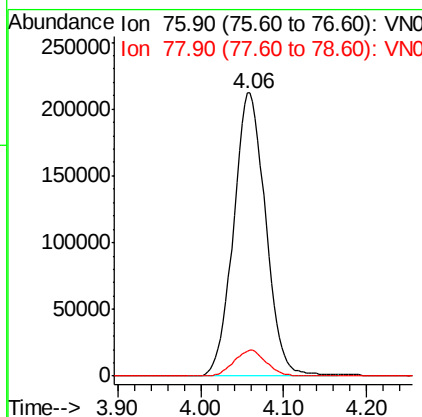
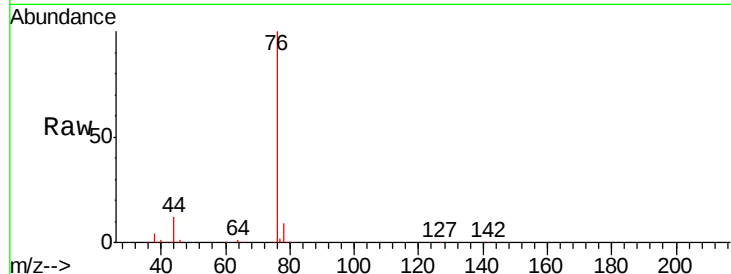
#17
Carbon Disulfide
Concen: 16.90 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

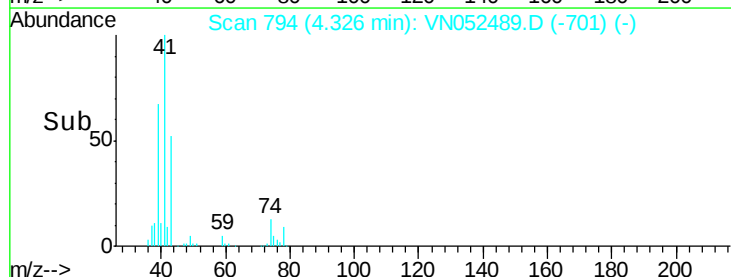
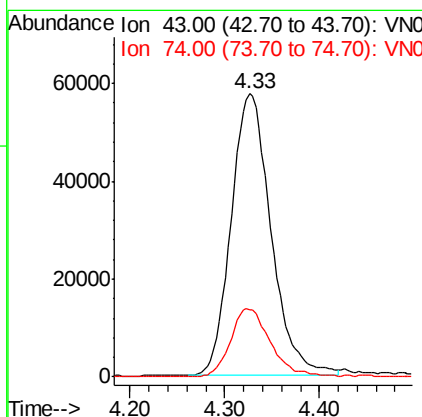
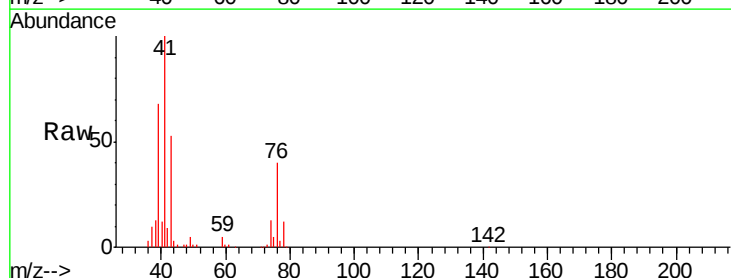
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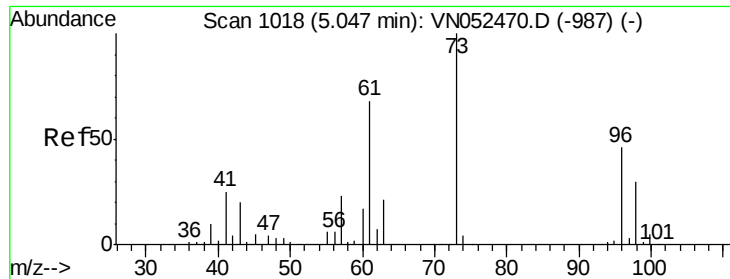
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#18
Methyl Acetate
Concen: 17.93 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.6	27.8





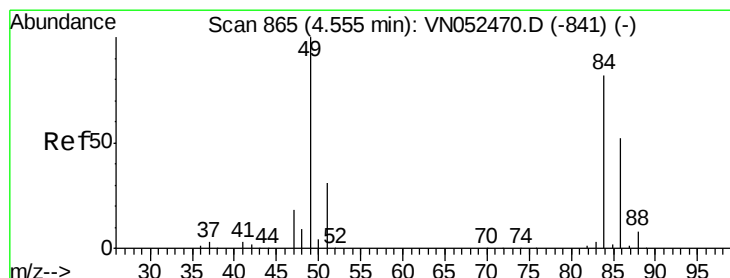
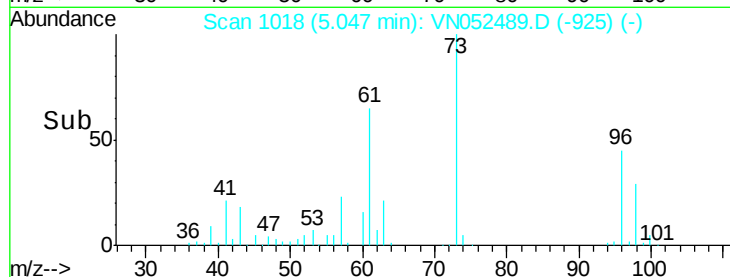
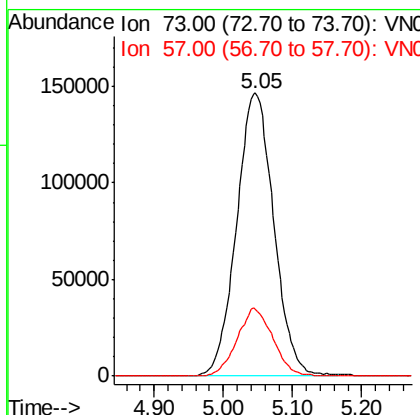
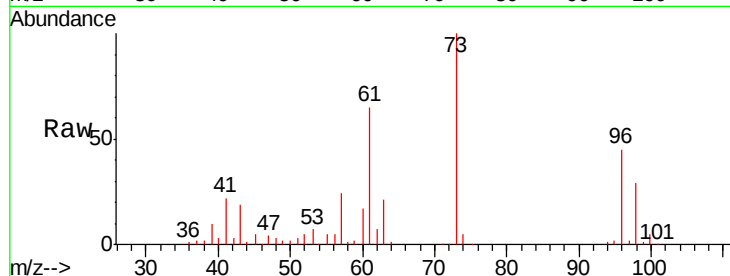
#19
Methyl tert-butyl Ether
Concen: 19.15 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion: 73 Resp: 547701
Ion Ratio Lower Upper
73 100
57 23.8 18.2 27.2

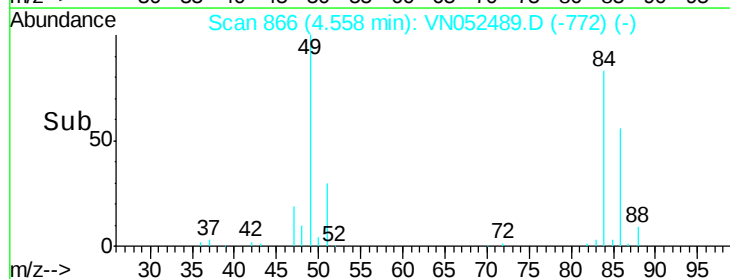
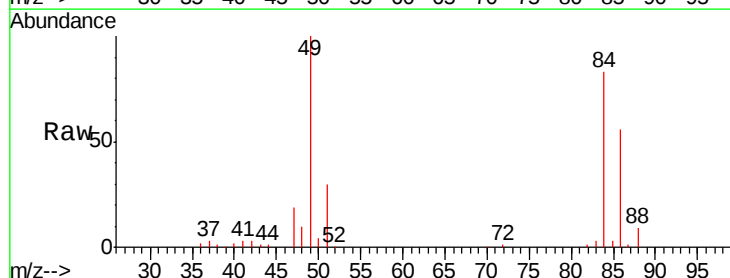
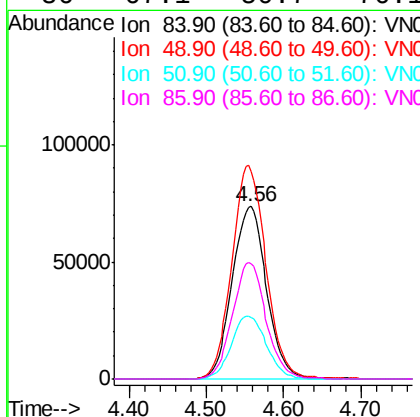
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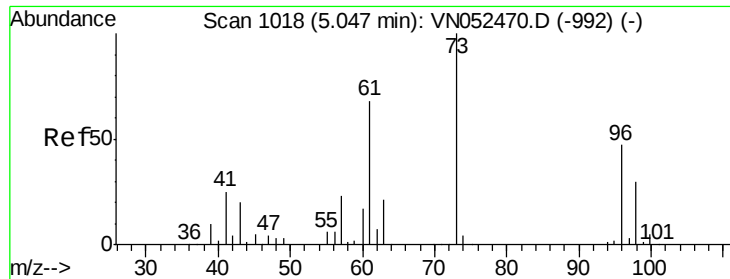
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#20
Methylene Chloride
Concen: 17.68 ug/l
RT: 4.56 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion: 84 Resp: 227969
Ion Ratio Lower Upper
84 100
49 120.7 98.0 147.0
51 35.7 30.1 45.1
86 67.1 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 18.79 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion: 96 Resp: 215671

Ion Ratio Lower Upper

96 100

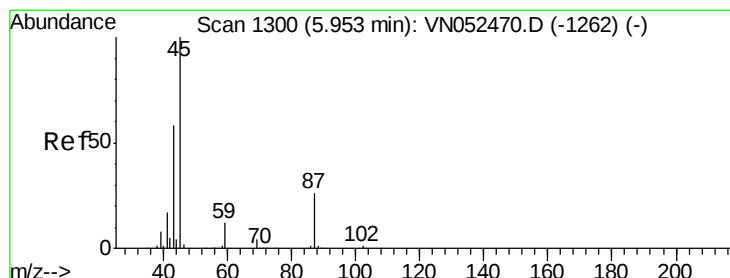
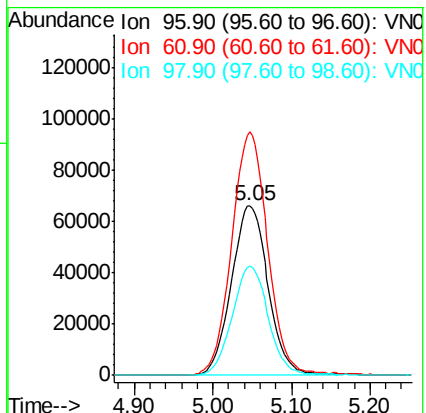
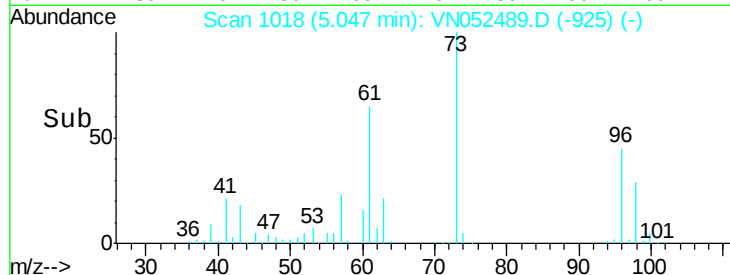
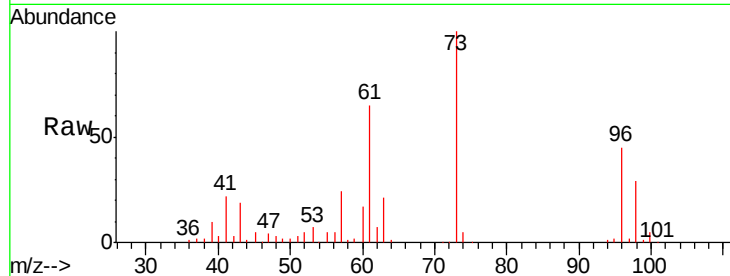
61 143.5 117.0 175.4

98 64.3 51.8 77.6

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#22

Diisopropyl ether

Concen: 18.74 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Tgt Ion: 45 Resp: 729305

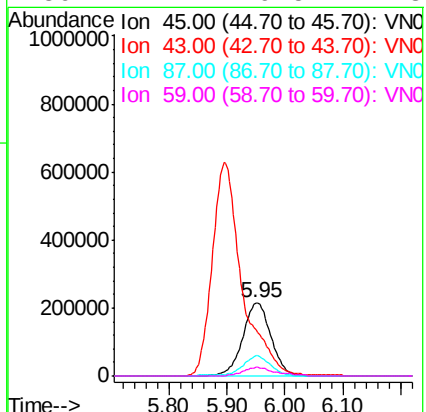
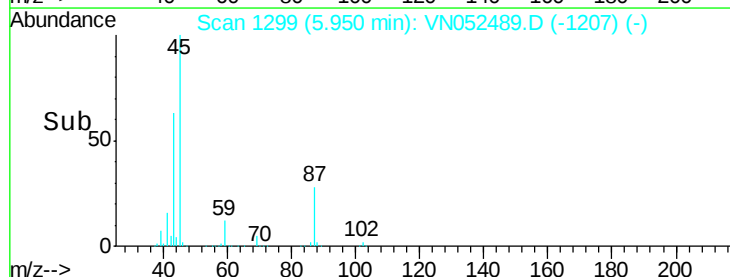
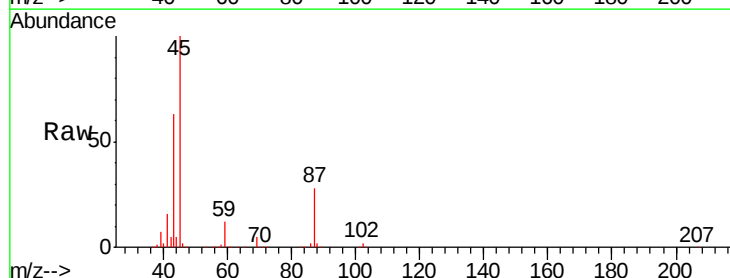
Ion Ratio Lower Upper

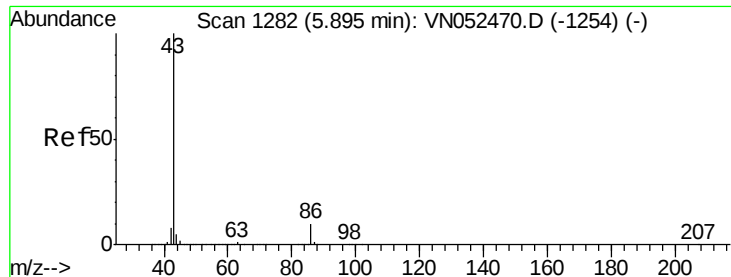
45 100

43 62.0 46.1 69.1

87 27.4 21.3 31.9

59 11.4 9.5 14.3





#23

Vinyl Acetate

Concen: 92.45 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion: 43 Resp: 2240866

Ion Ratio Lower Upper

43 100

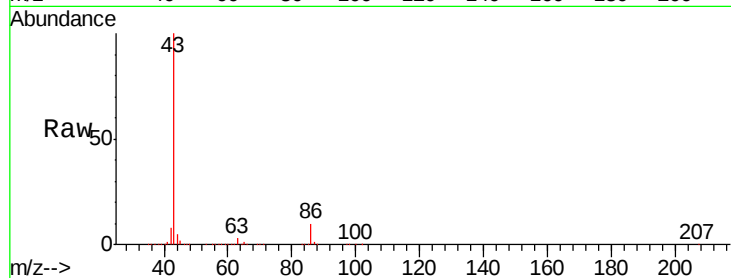
86 10.1 7.8 11.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

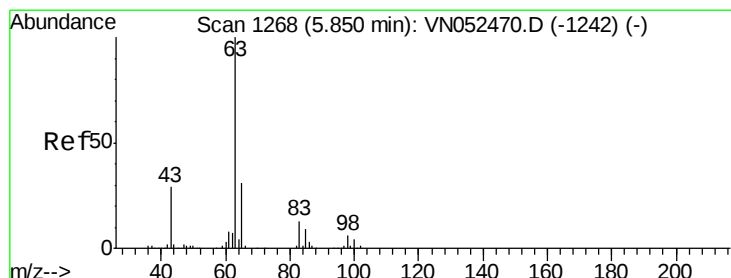
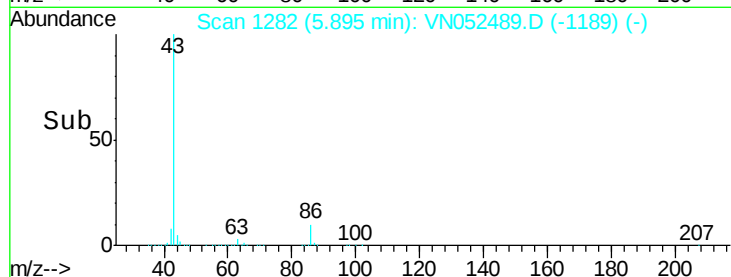
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.57 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

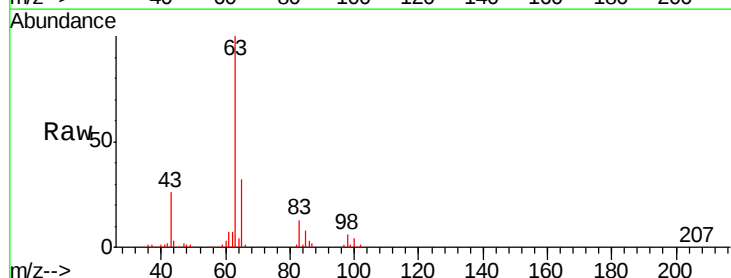
Tgt Ion: 63 Resp: 412604

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

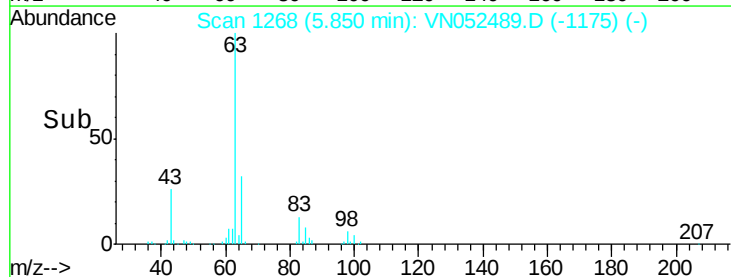
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 83.35 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion: 43 Resp: 389343

Ion Ratio Lower Upper

43 100

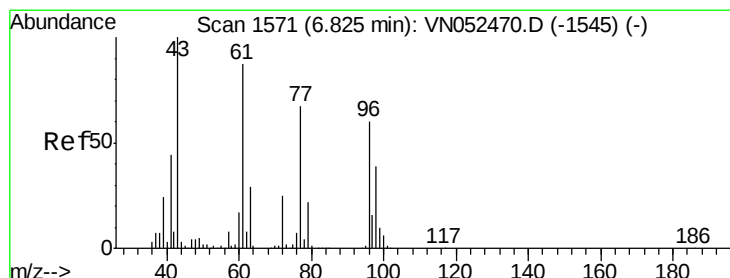
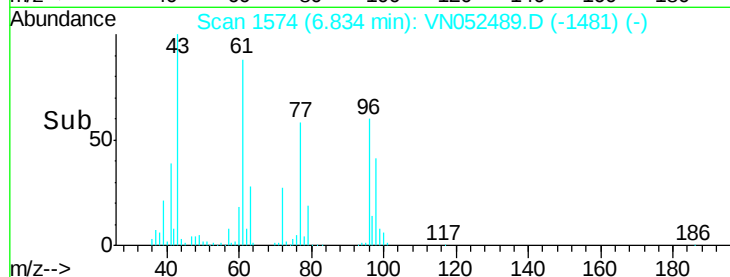
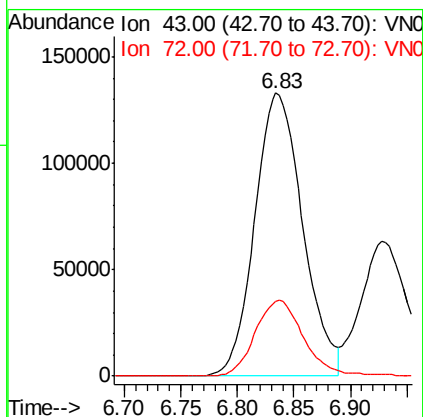
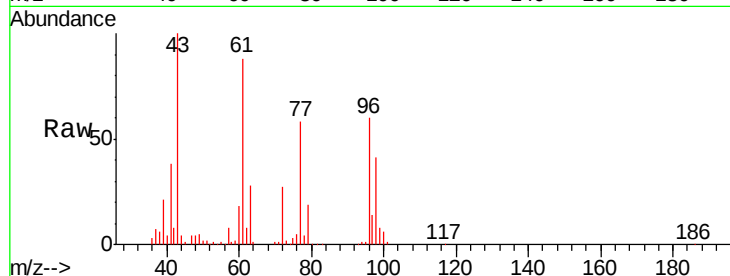
72 26.7 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.24 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052489.D

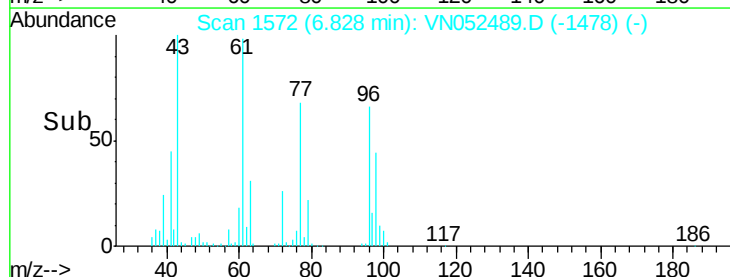
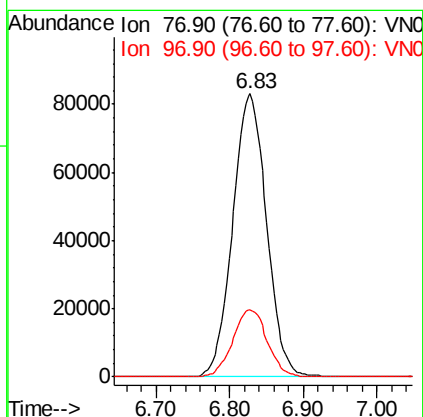
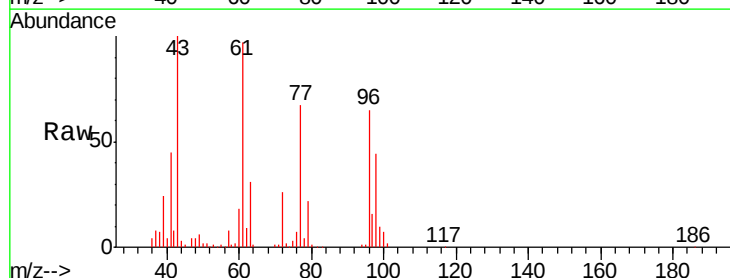
Acq: 27 Nov 2018 19:53

Tgt Ion: 77 Resp: 265085

Ion Ratio Lower Upper

77 100

97 24.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.45 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

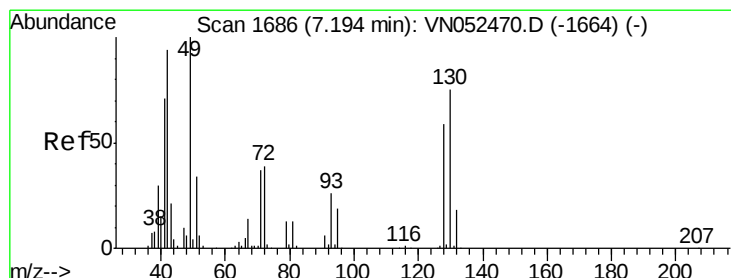
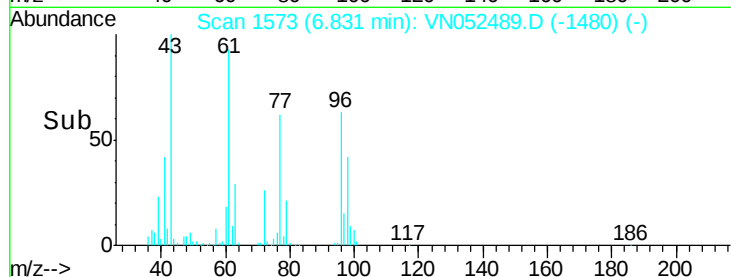
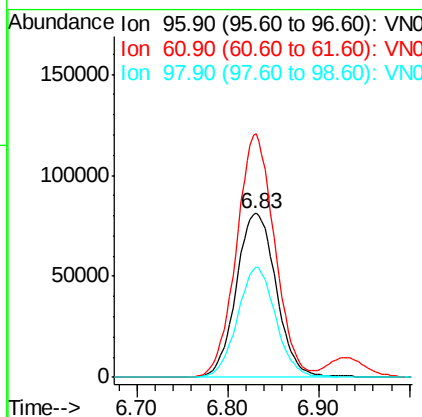
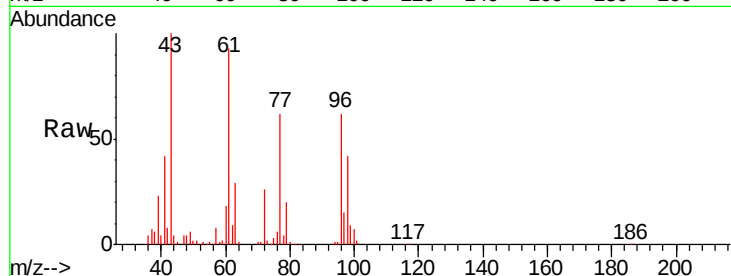
ClientSampleId :

VN1127MBS02

Tgt Ion:	96	Resp:	246768
Ion Ratio	Lower	Upper	
96	100		
61	142.5	0.0	291.0
98	64.7	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 20.15 ug/l

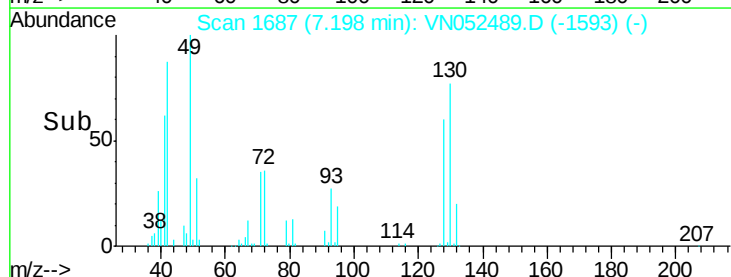
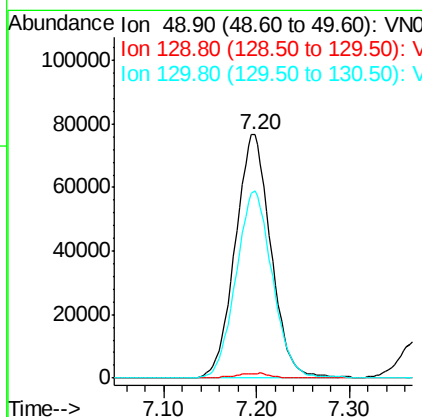
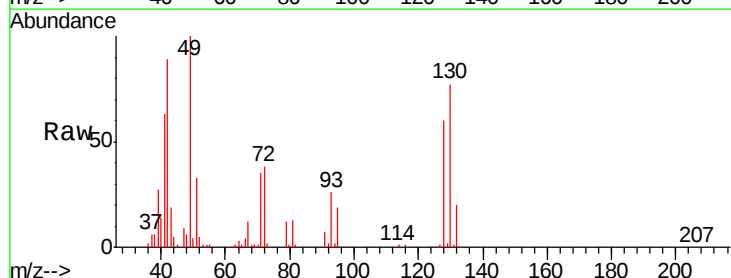
RT: 7.20 min Scan# 1687

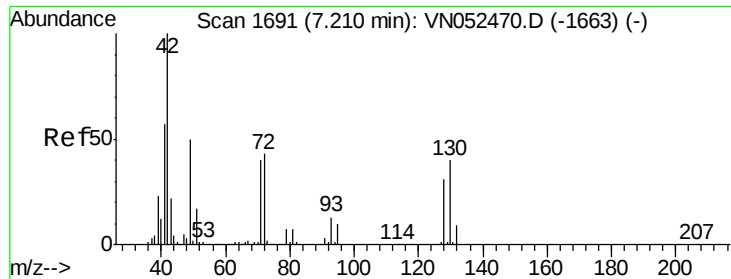
Delta R.T. 0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Tgt Ion:	49	Resp:	204533
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	3.8
130	78.2	60.2	90.2





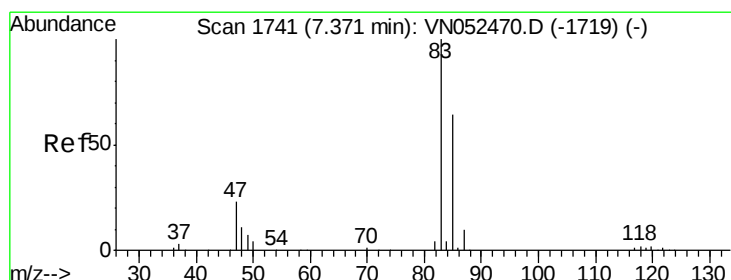
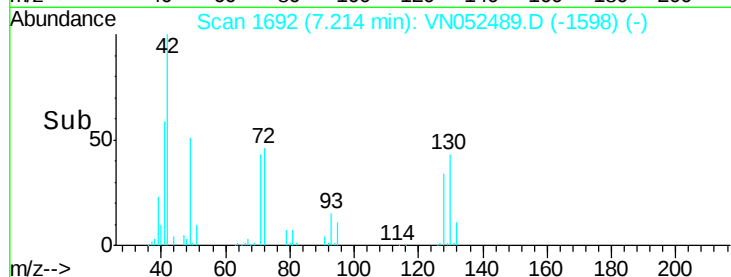
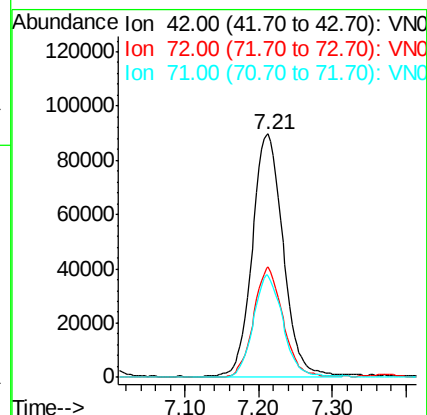
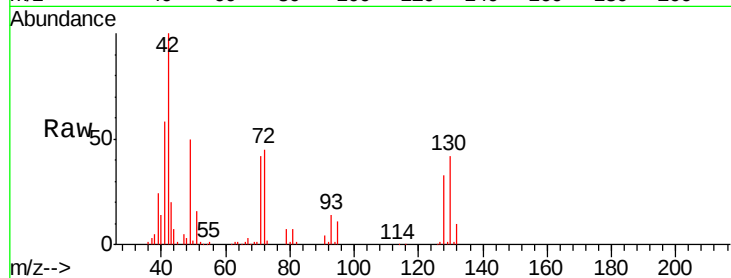
#29
Tetrahydrofuran
Concen: 86.94 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.3	49.9
71	40.3	32.0	48.0

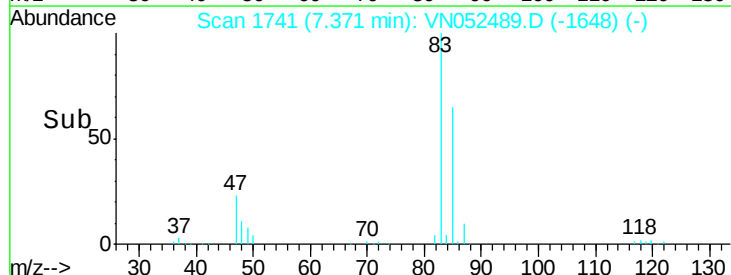
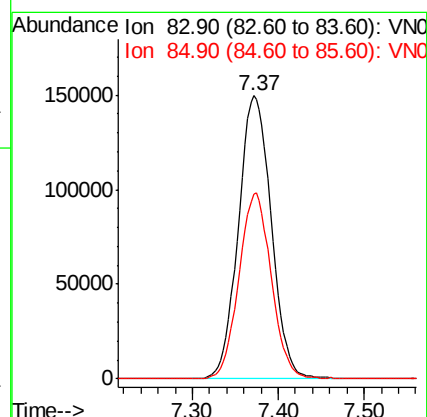
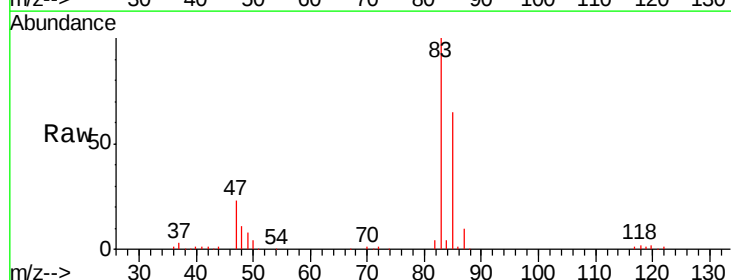
Manual Integrations
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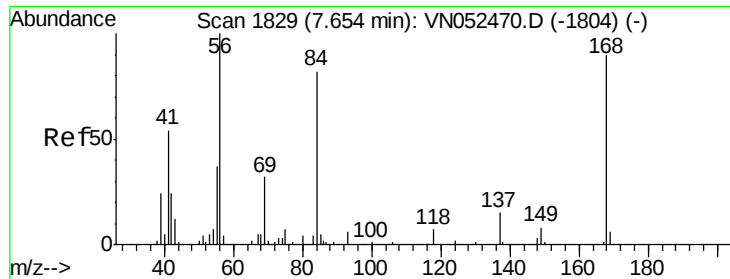
MMDadoda
11/28/2018 9:34:15 AM



#30
Chloroform
Concen: 17.92 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.0	76.4





#31

Cyclohexane

Concen: 18.23 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion: 56 Resp: 397159
Ion Ratio Lower Upper

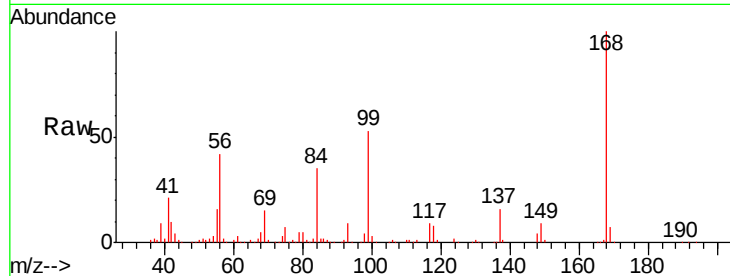
56 100

69 36.6 25.8 38.6

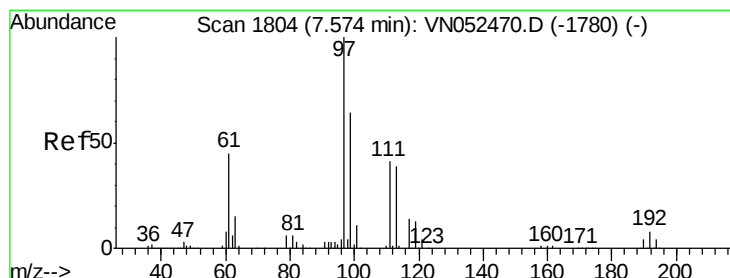
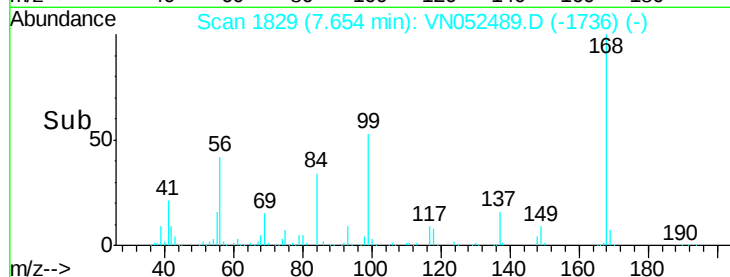
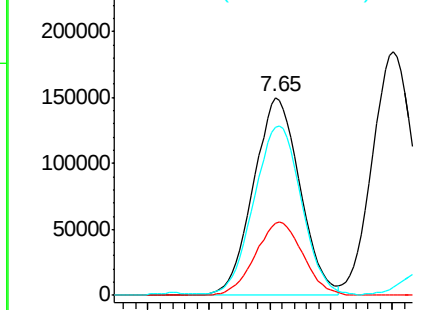
84 83.9 65.3 97.9

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.71 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052489.D

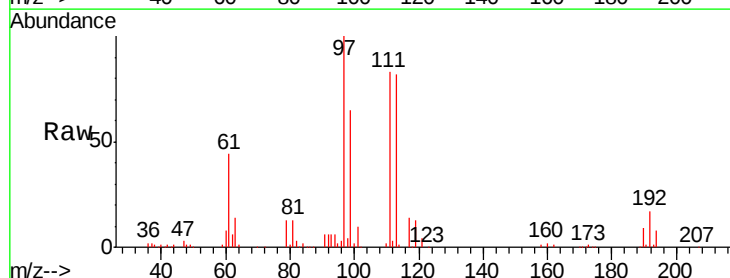
Acq: 27 Nov 2018 19:53

Tgt Ion: 97 Resp: 328665
Ion Ratio Lower Upper

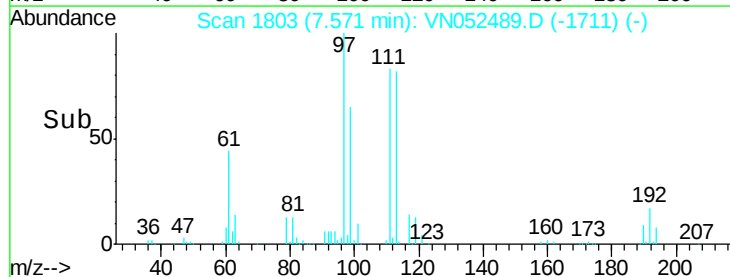
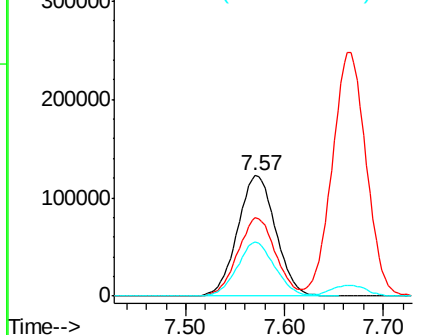
97 100

99 64.1 51.7 77.5

61 44.1 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





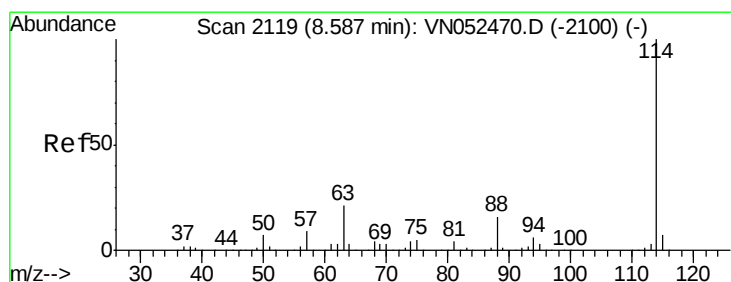
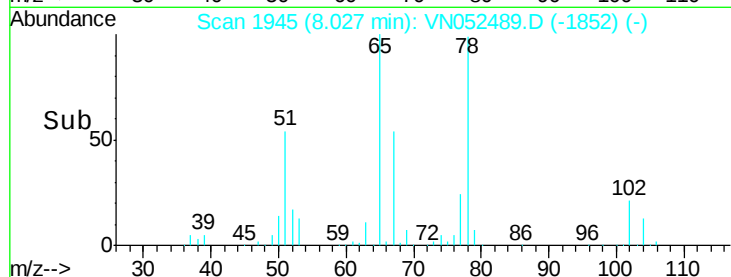
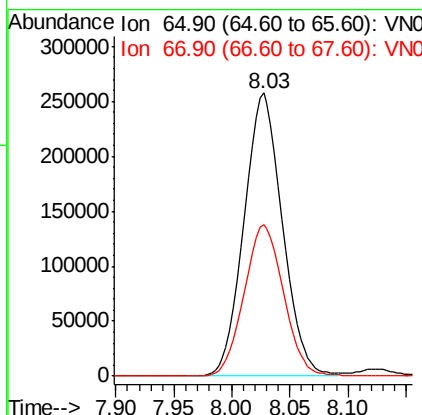
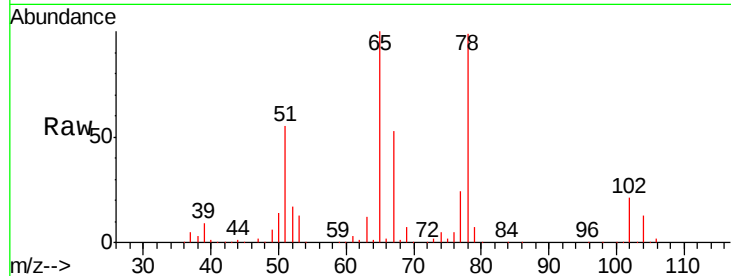
#33
 1,2-Dichloroethane-d4
 Concen: 18.71 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion: 65 Resp: 594747
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.8

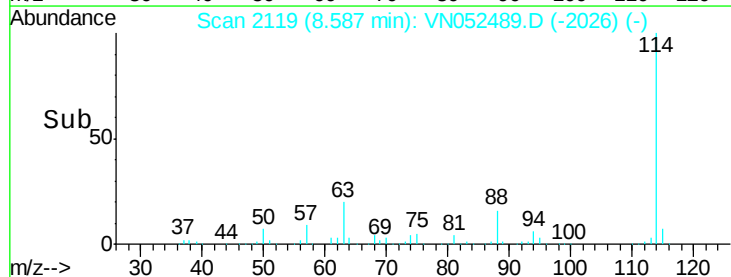
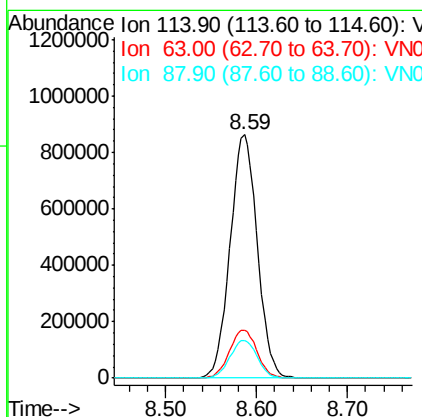
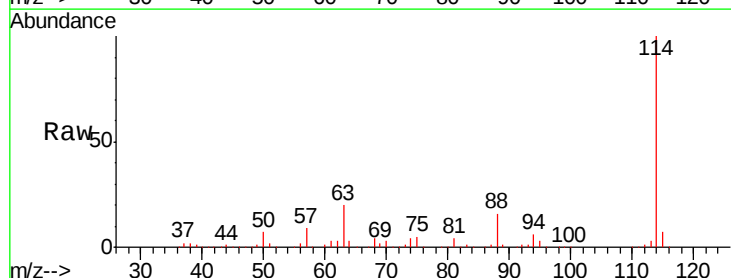
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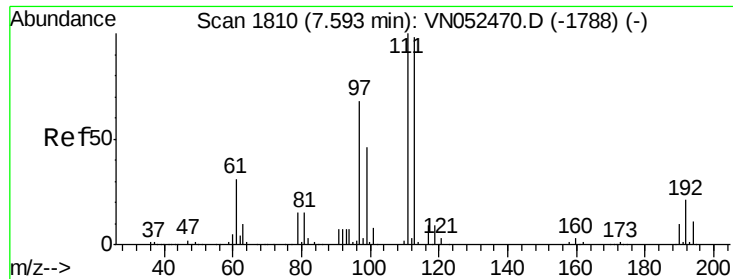
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 11/28/2018 9:34:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion: 114 Resp: 1791709
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.8
 88 15.5 0.0 31.6





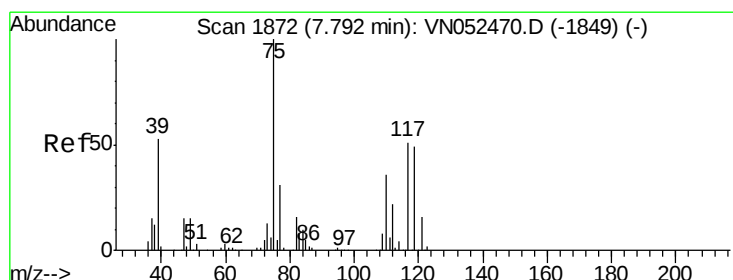
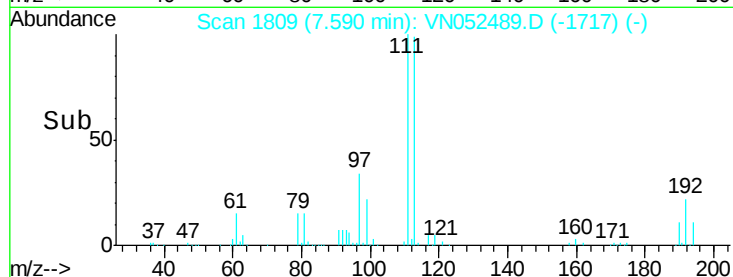
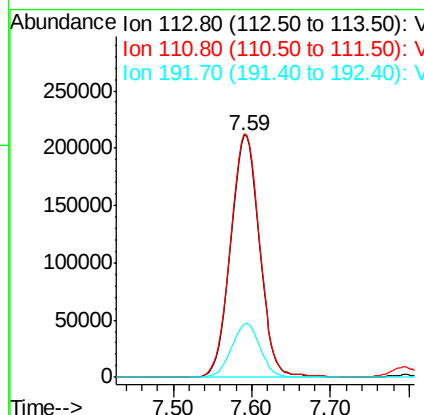
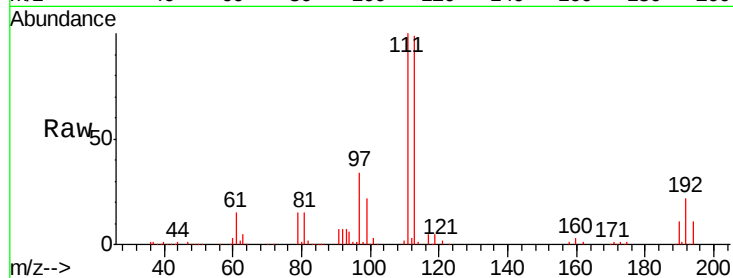
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	538792		
111	101.7	82.0	123.0	
192	22.1	17.0	25.6	

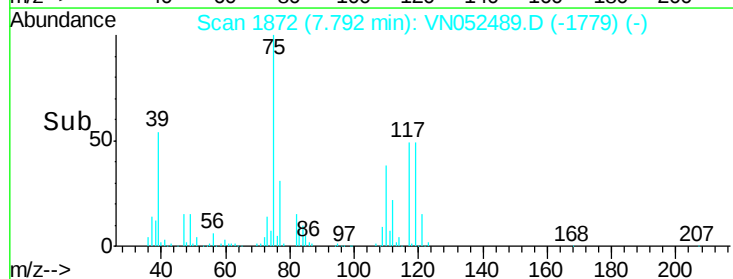
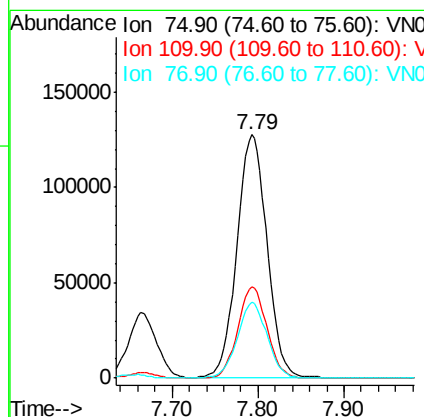
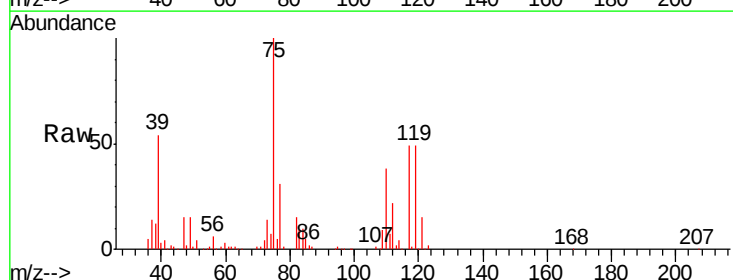
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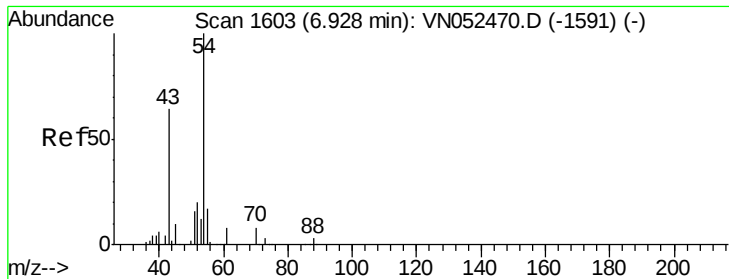
MMDadoda
 11/28/2018 9:34:15 AM



#36
 1,1-Dichloropropene
 Concen: 18.32 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	309902		
110	36.6	17.5	52.6	
77	30.9	24.5	36.7	





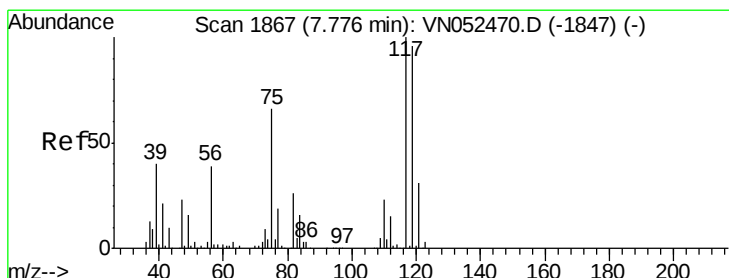
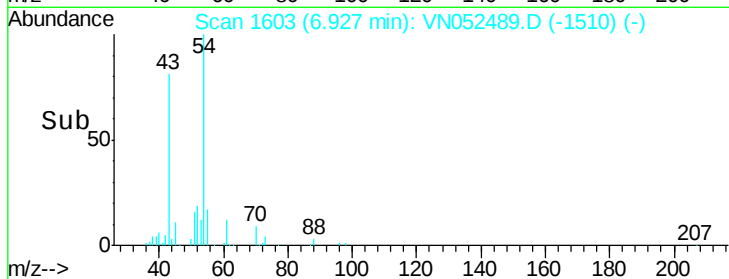
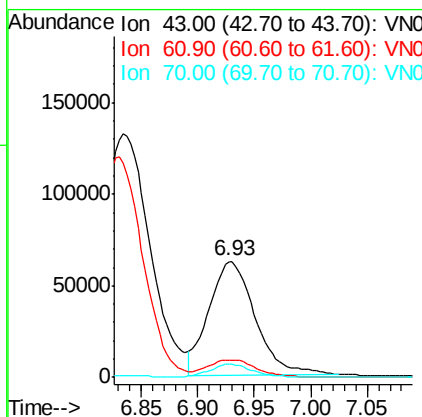
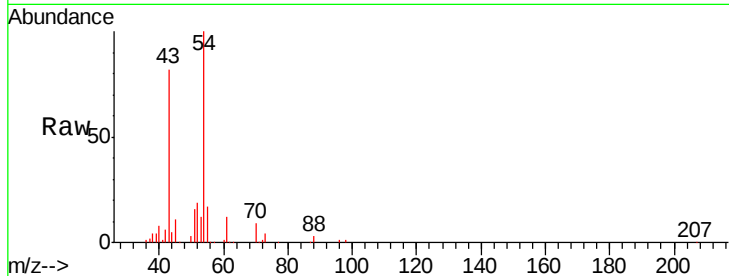
#37
Ethyl Acetate
Concen: 17.27 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.8
70	10.1	7.8	11.8

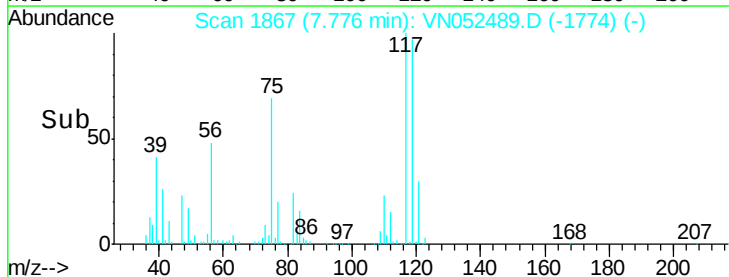
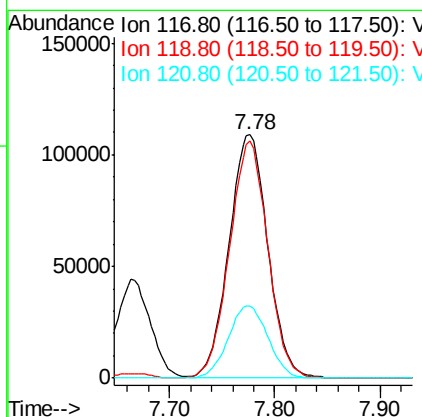
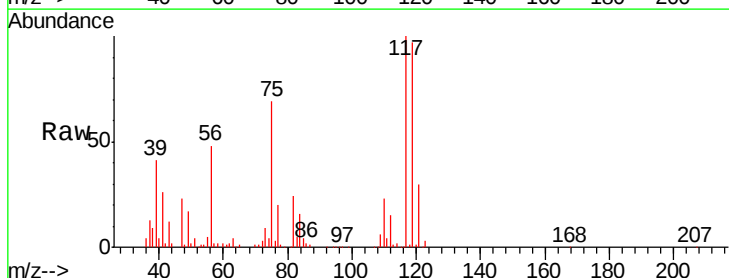
Manual Integrations
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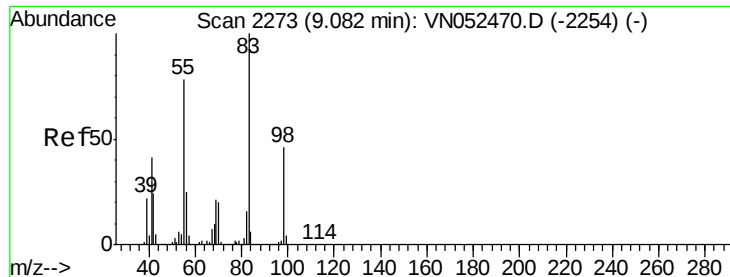
MMDadoda
11/28/2018 9:34:15 AM



#38
Carbon Tetrachloride
Concen: 18.10 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.8	115.2
121	29.7	24.9	37.3





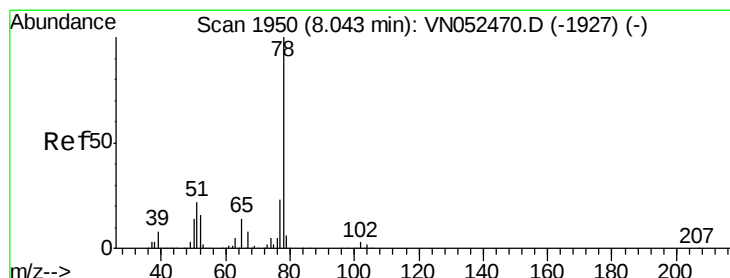
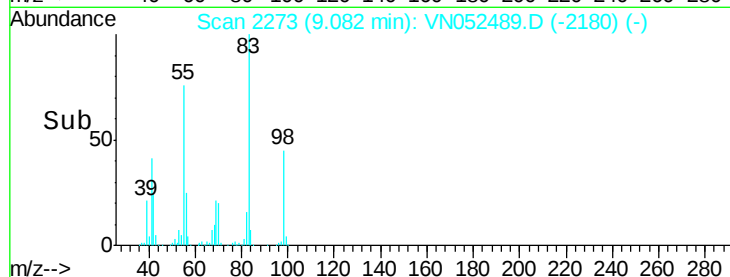
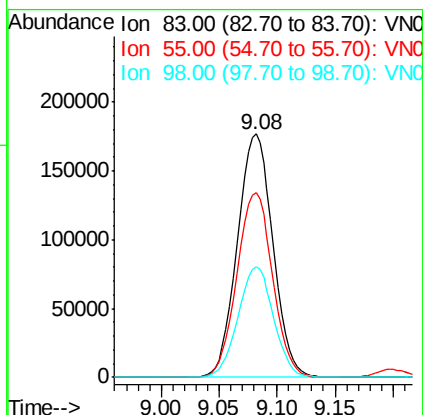
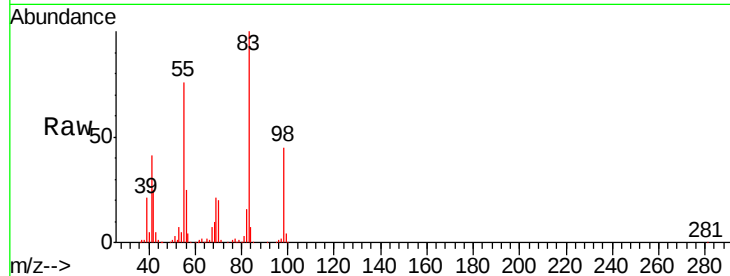
#39
Methylcyclohexane
Concen: 18.30 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.2	93.2
98	45.2	36.4	54.6

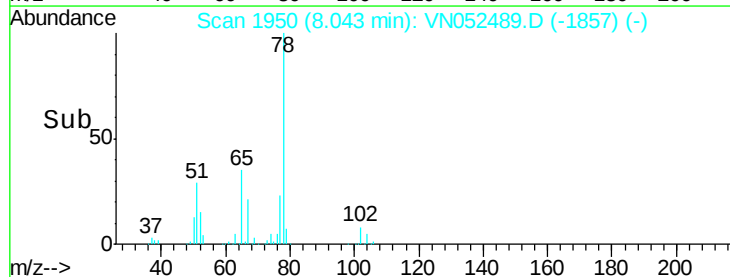
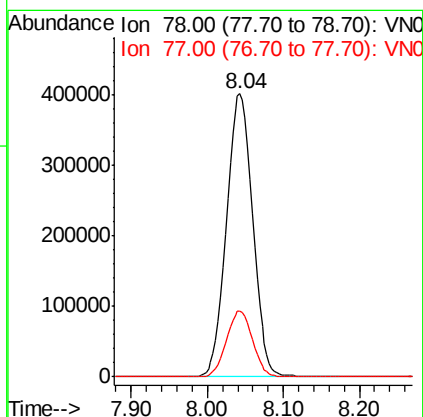
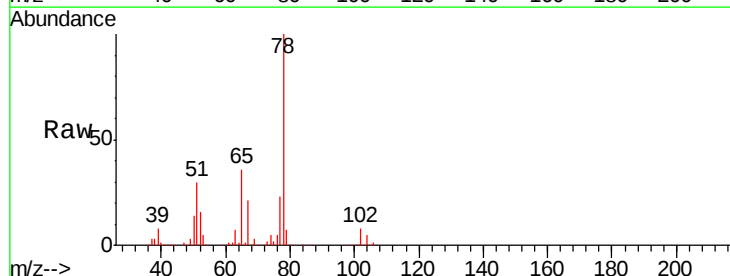
Manual Integrations
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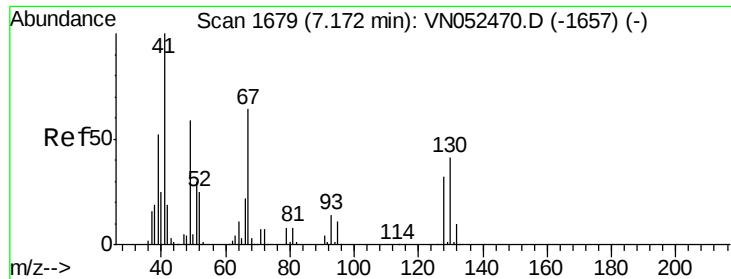
MMDadoda
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#40
Benzene
Concen: 19.22 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





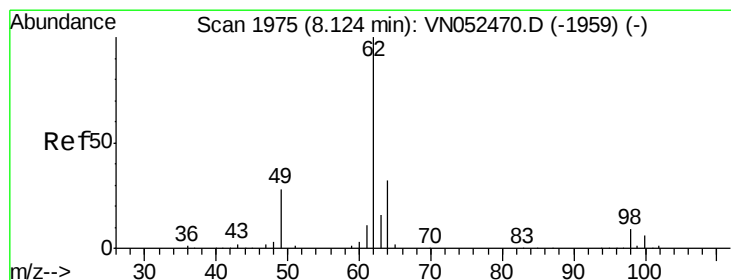
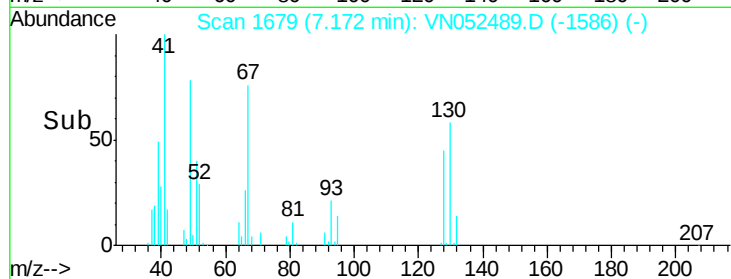
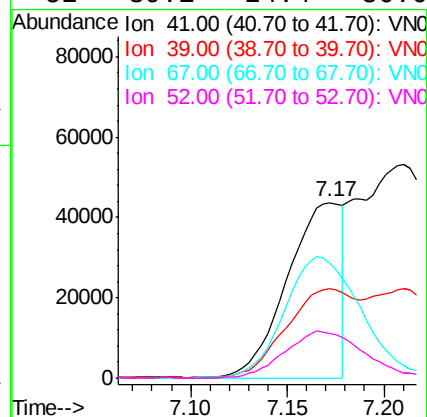
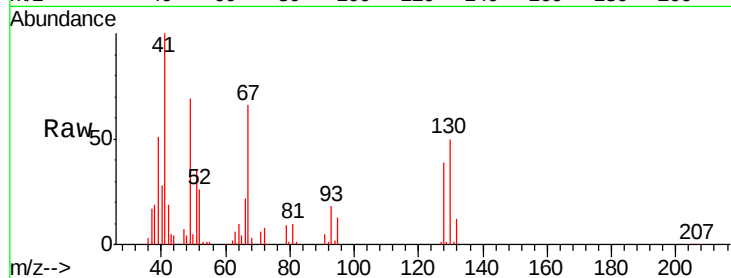
#41
Methacrylonitrile
Concen: 15.30 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.5	50.9	76.3
67	99.3	63.6	95.4#
52	39.1	24.4	36.6#

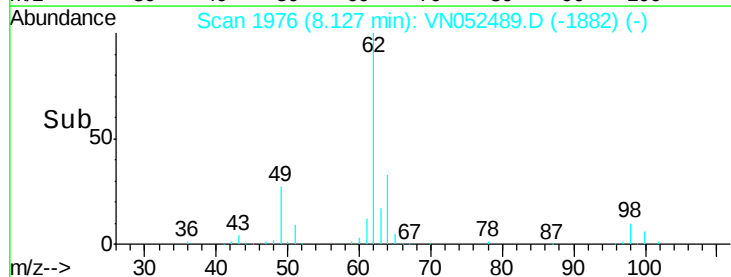
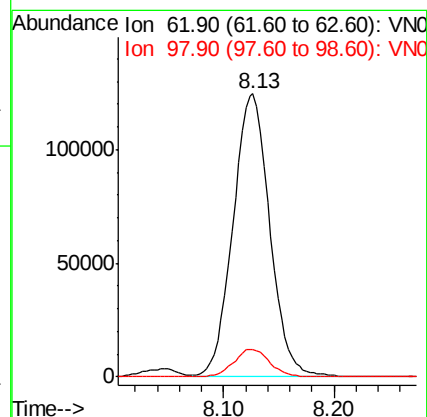
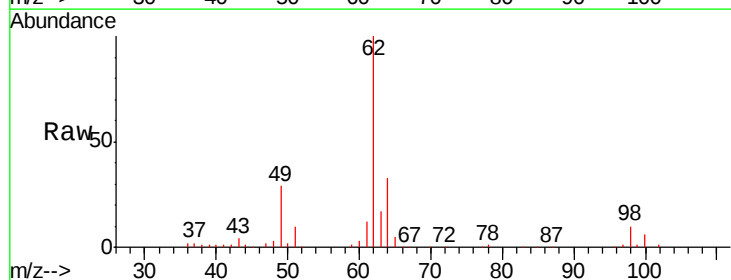
Manual Integrations
APPROVED

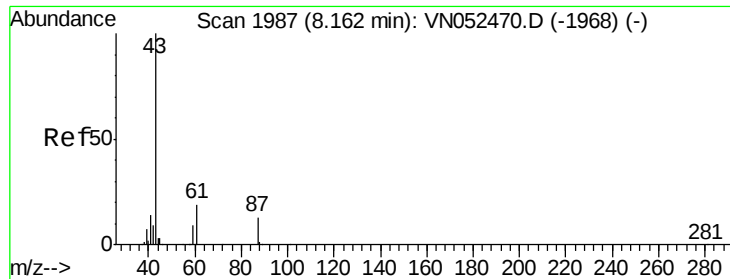
MMDadoda
11/28/2018 9:34:15 AM



#42
1,2-Dichloroethane
Concen: 18.76 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





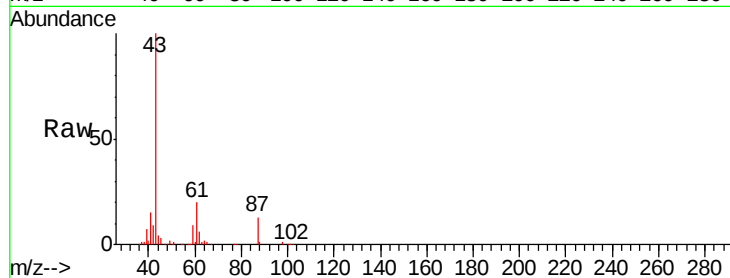
#43
Isopropyl Acetate
Concen: 19.00 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

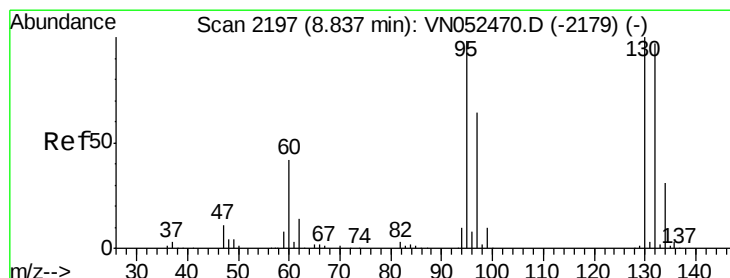
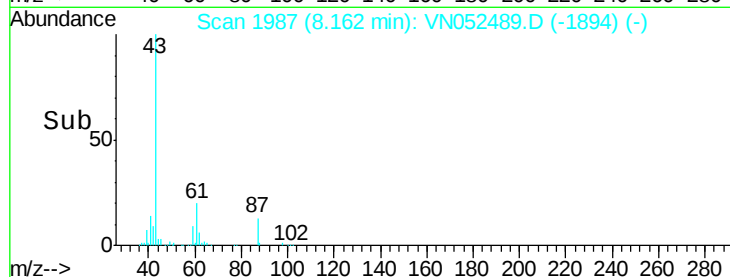
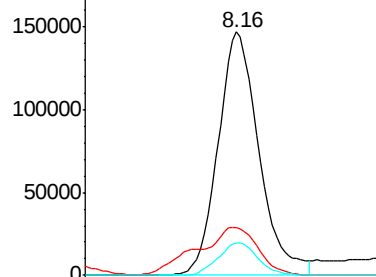
Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.9	24.1	36.1
87	13.1	10.6	15.8

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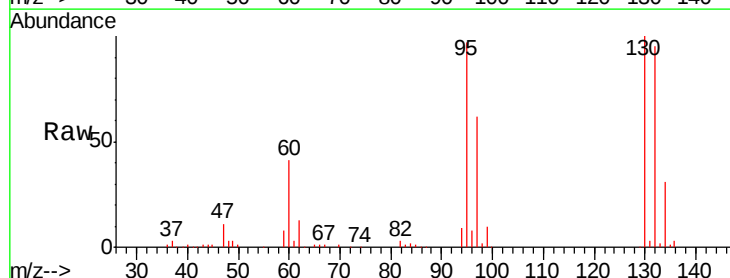


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

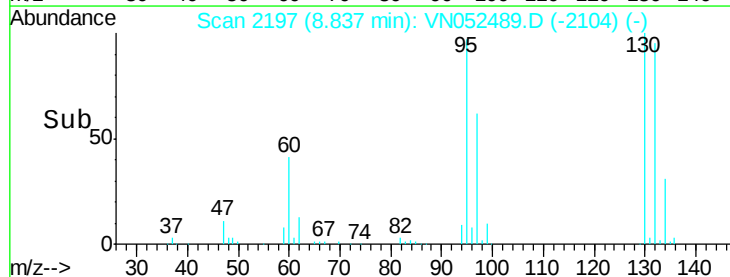
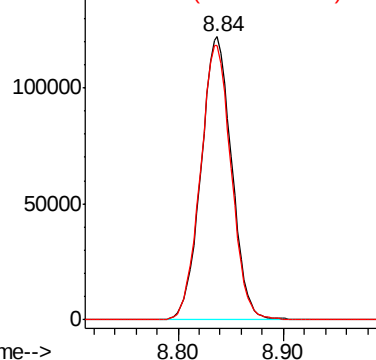


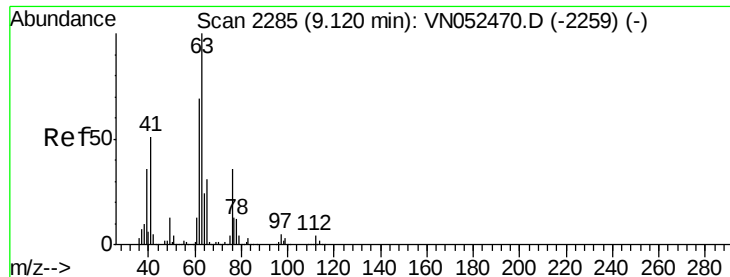
#44
Trichloroethene
Concen: 18.96 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)





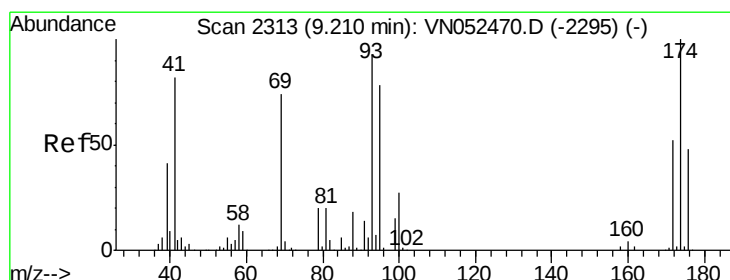
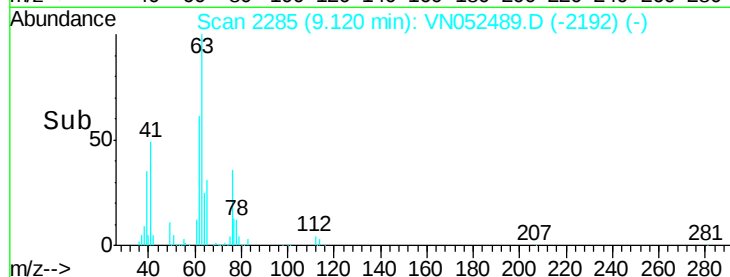
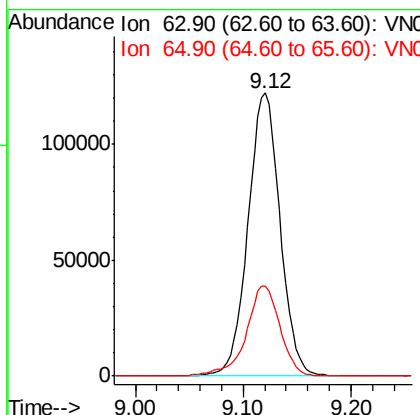
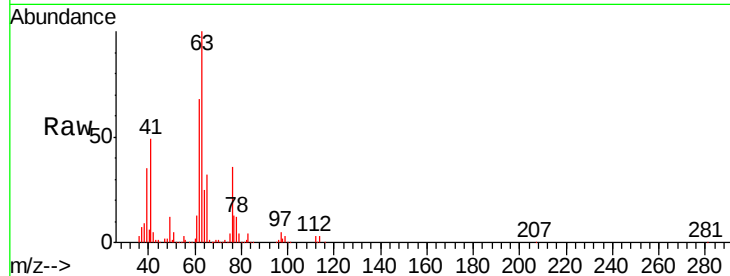
#45
 1,2-Dichloropropane
 Concen: 18.76 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion: 63 Resp: 251551
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.6

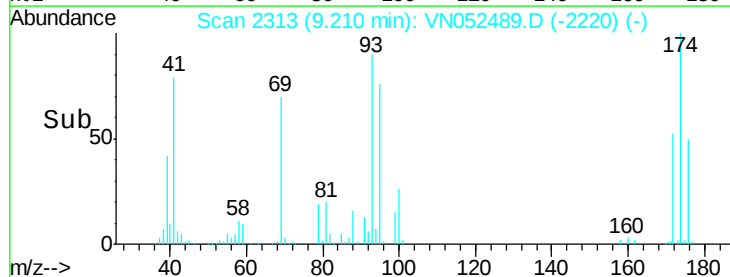
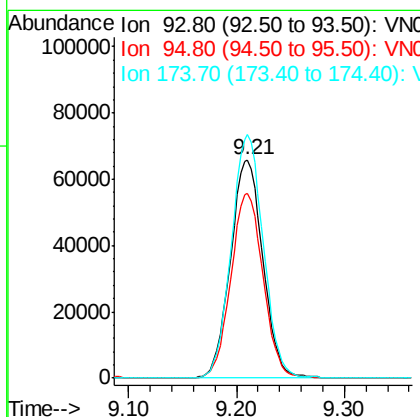
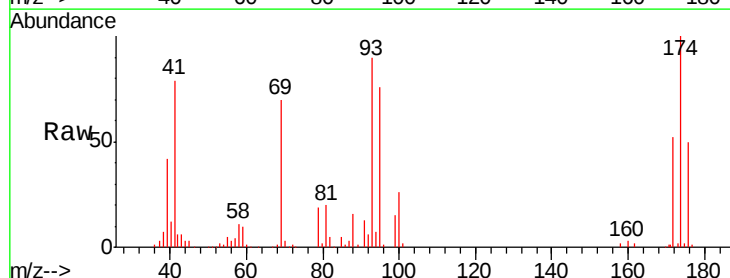
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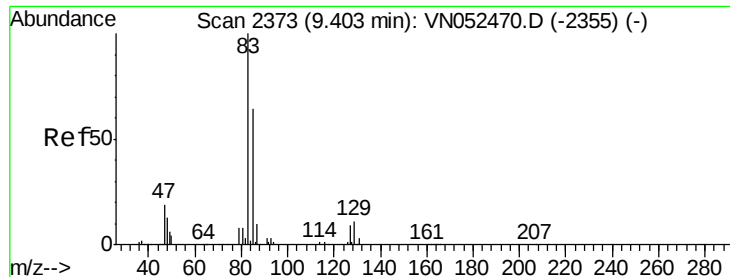
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 11/28/2018 9:34:15 AM



#46
 Dibromomethane
 Concen: 18.63 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion: 93 Resp: 138222
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.1 100.7
 174 109.9 85.8 128.8





#47

Bromodichloromethane

Concen: 18.18 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

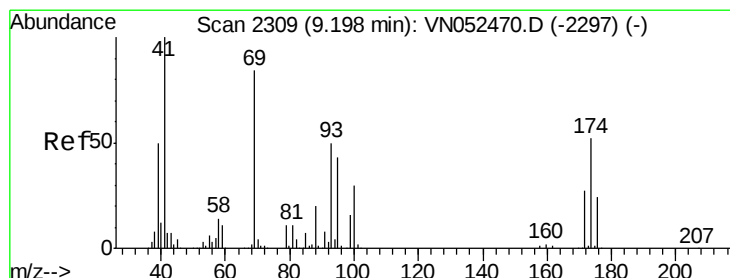
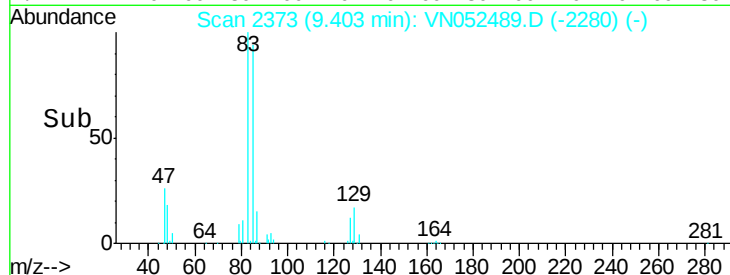
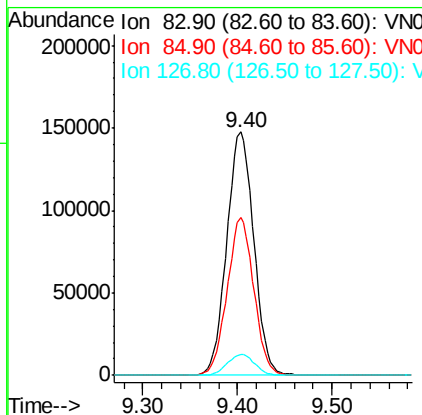
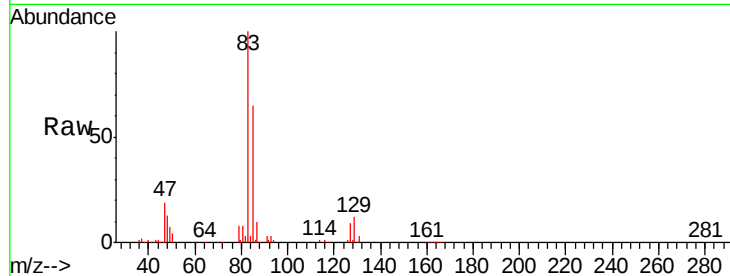
ClientSampleId :

VN1127MBS02

Tgt Ion:	83	Resp:	293277
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.3	76.9
127	8.6	6.9	10.3

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#48

Methyl methacrylate

Concen: 18.12 ug/l

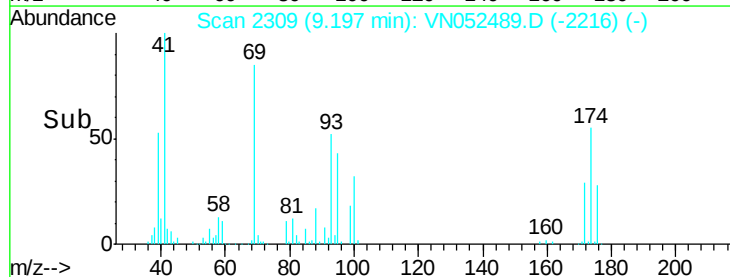
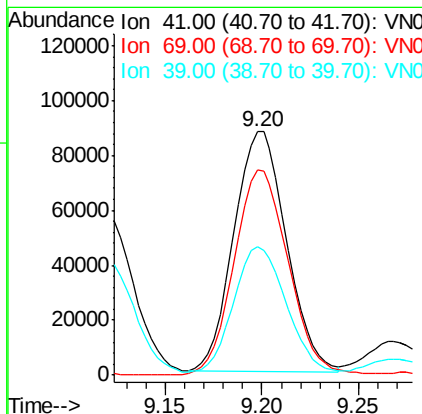
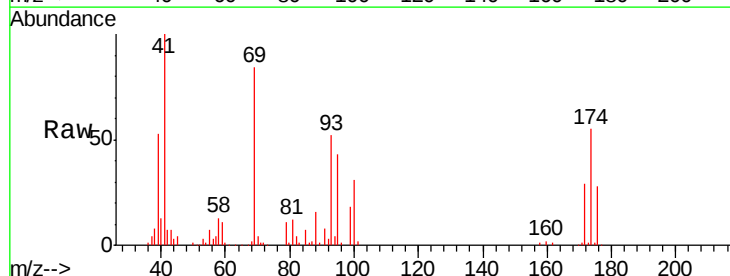
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Tgt Ion:	41	Resp:	165140
Ion Ratio	Lower	Upper	
41	100		
69	88.2	70.0	105.0
39	53.8	42.6	64.0





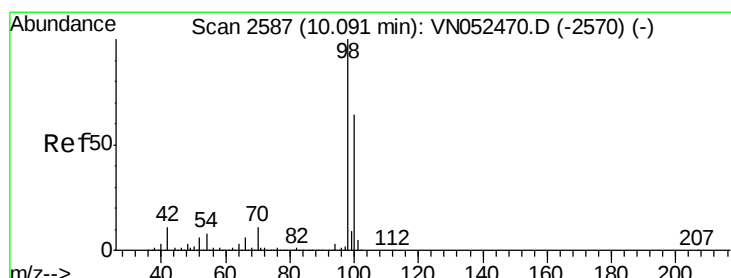
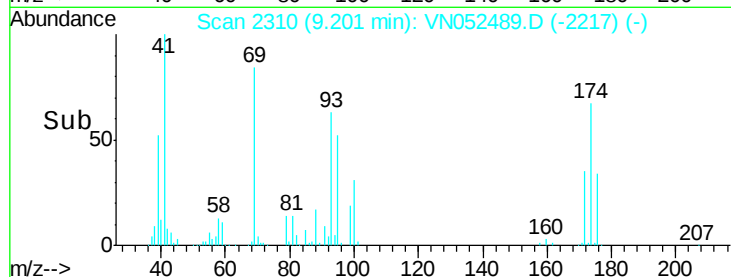
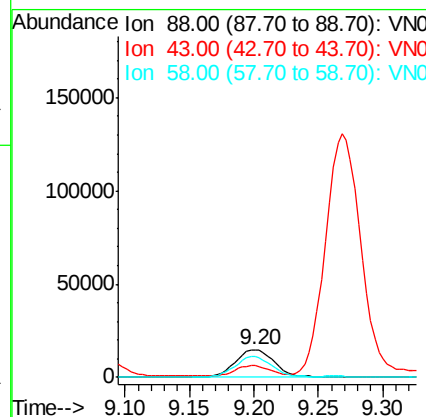
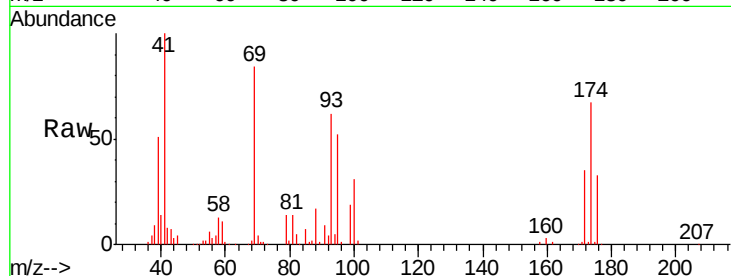
#49
1,4-Dioxane
Concen: 338.61 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.0	26.4	39.6
58	70.5	55.4	83.0

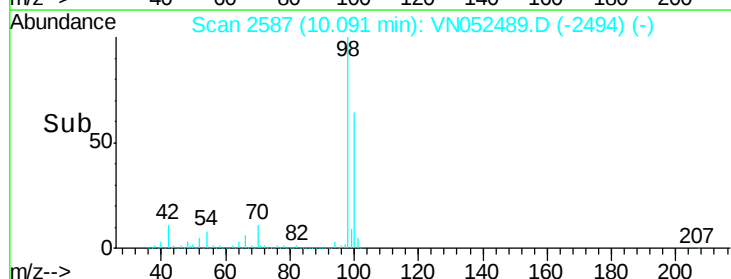
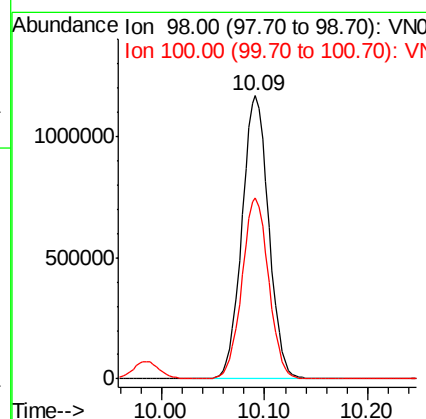
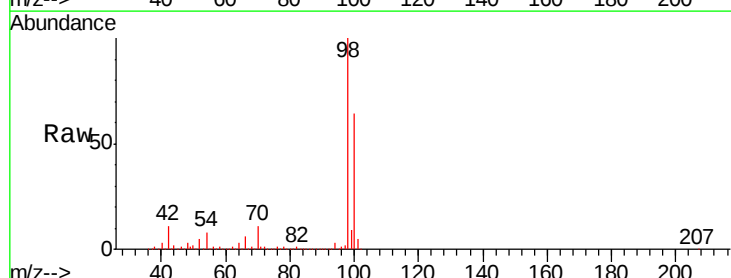
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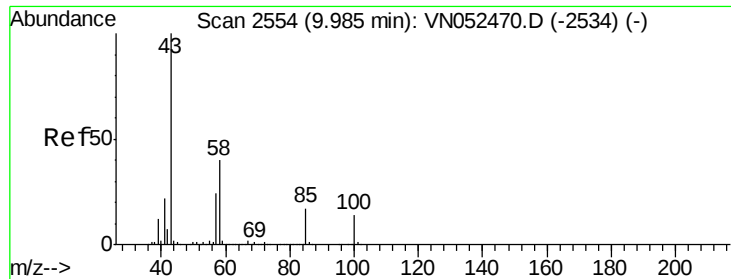
MMDadoda
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#50
Toluene-d8
Concen: 338.61 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.3	76.9





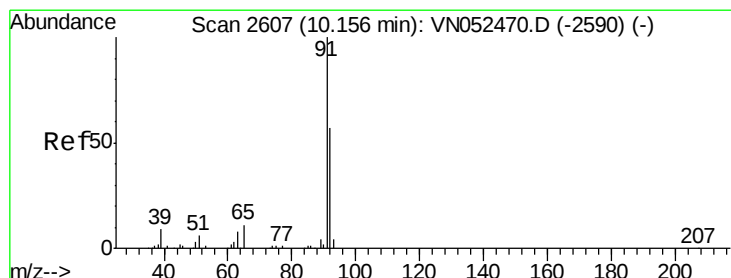
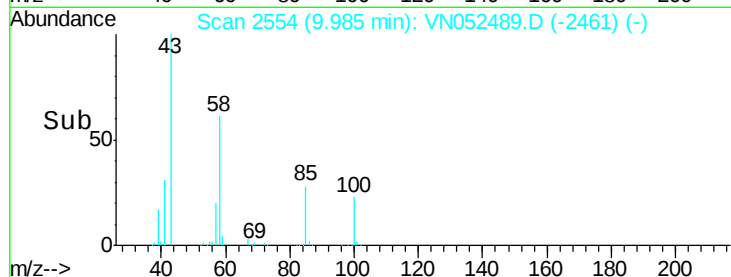
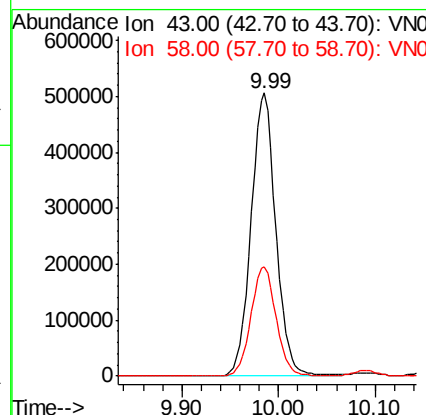
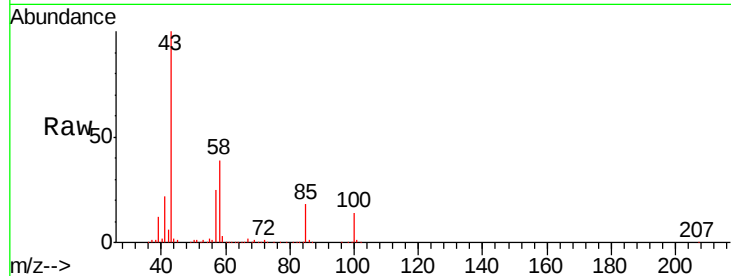
#51
 4-Methyl-2-Pentanone
 Concen: 91.40 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion: 43 Resp: 896087
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.5 47.3

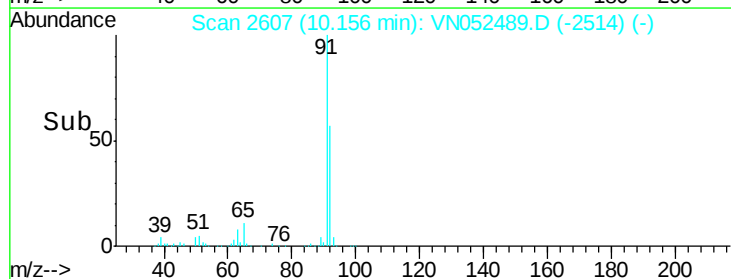
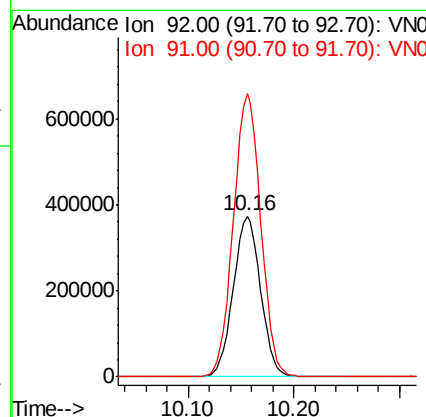
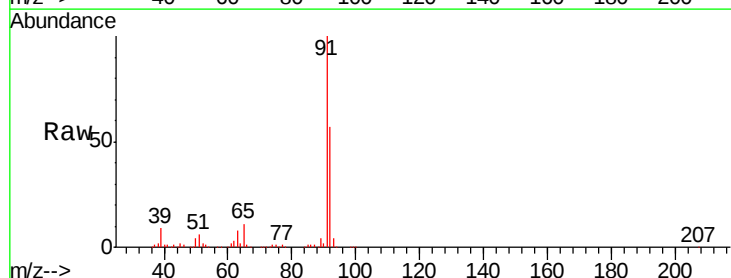
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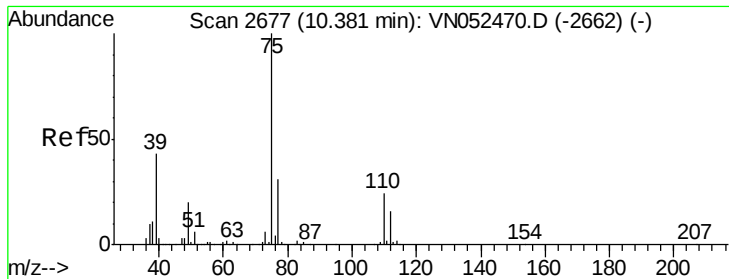
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#52
 Toluene
 Concen: 22.22 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion: 92 Resp: 665704
 Ion Ratio Lower Upper
 92 100
 91 177.3 141.0 211.4





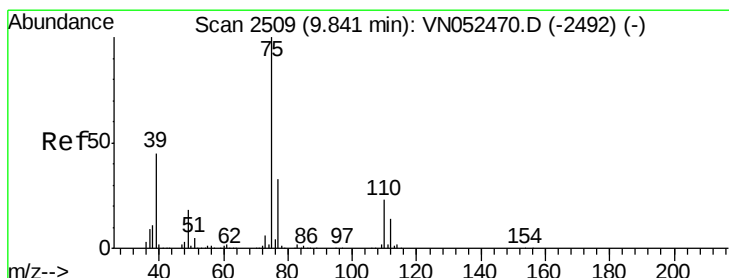
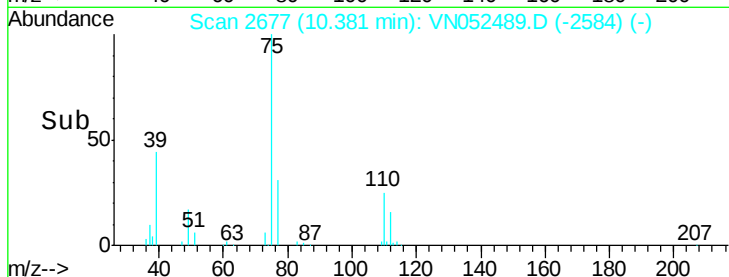
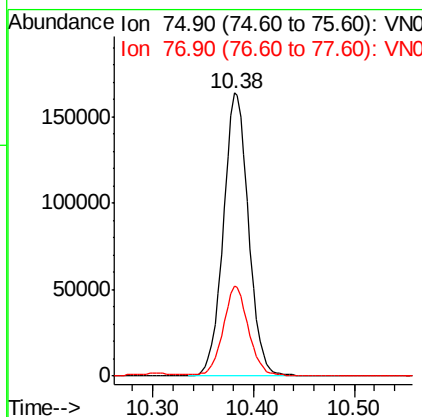
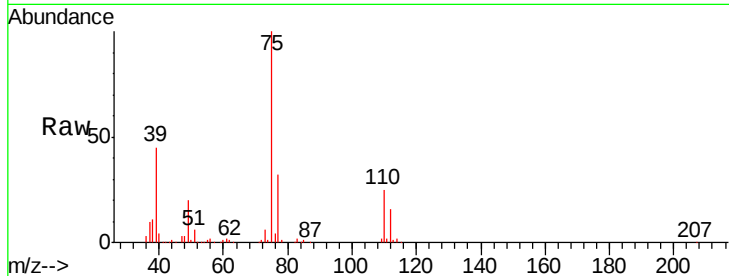
#53
t-1,3-Dichloropropene
Concen: 18.43 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion: 75 Resp: 286050
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4

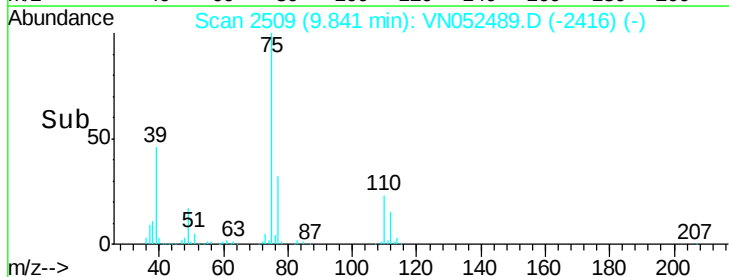
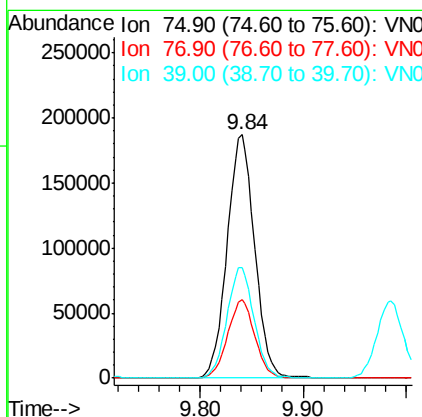
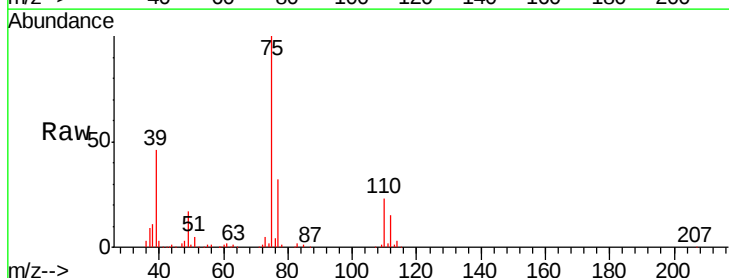
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#54
cis-1,3-Dichloropropene
Concen: 18.70 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion: 75 Resp: 347898
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
39 45.4 36.0 54.0





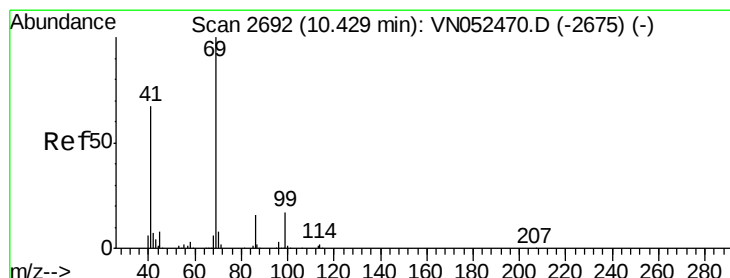
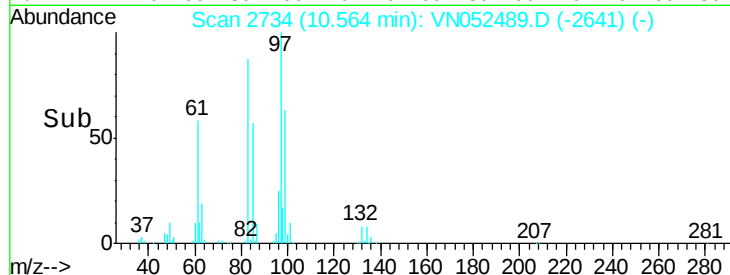
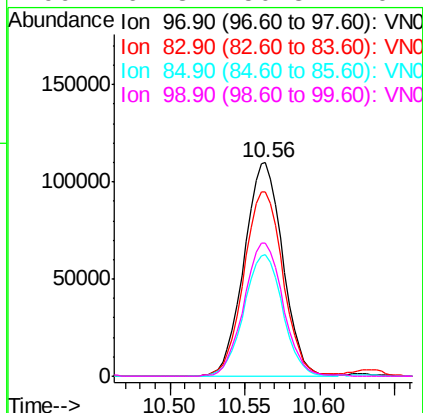
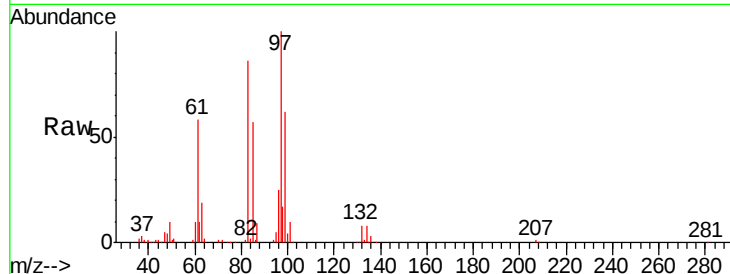
#55
 1,1,2-Trichloroethane
 Concen: 18.76 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.7	106.1
85	56.7	46.1	69.1
99	62.3	50.8	76.2

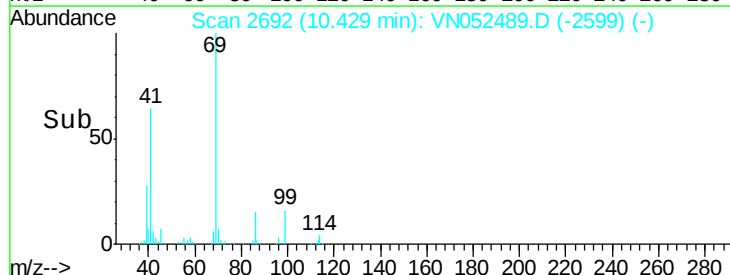
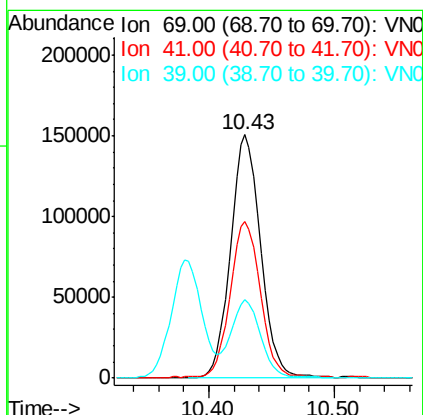
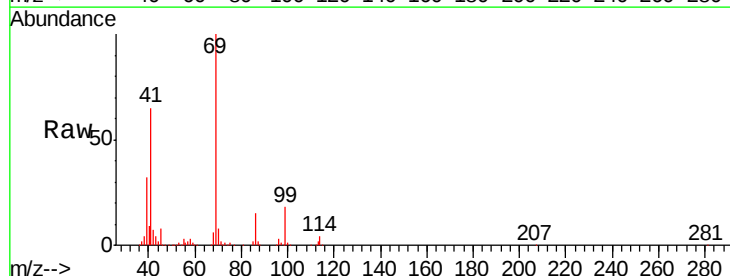
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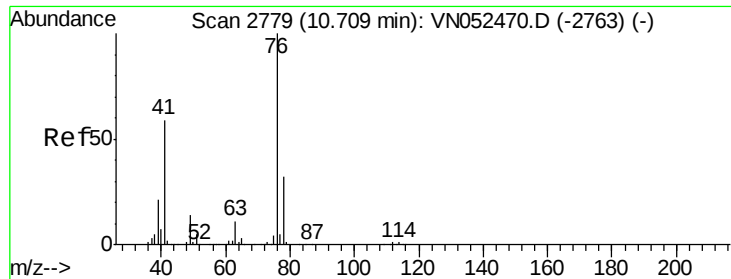
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#56
 Ethyl methacrylate
 Concen: 18.97 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.5	52.6	79.0
39	31.6	25.9	38.9





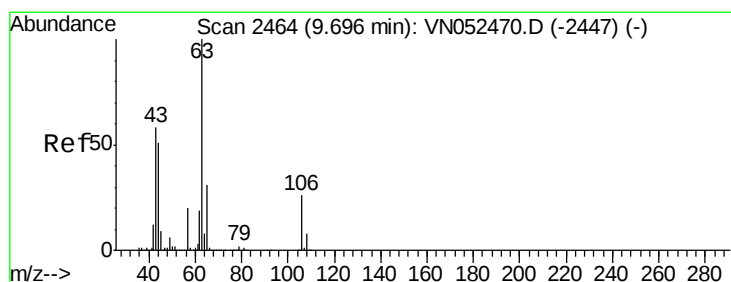
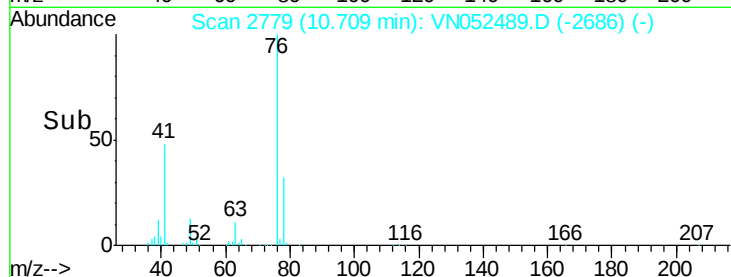
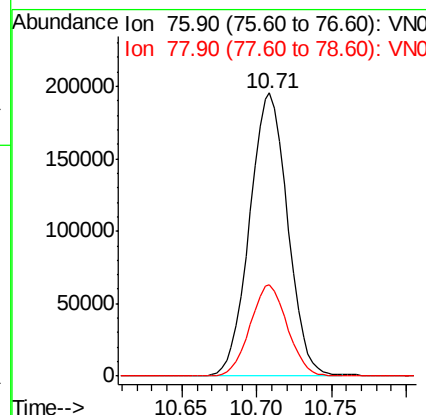
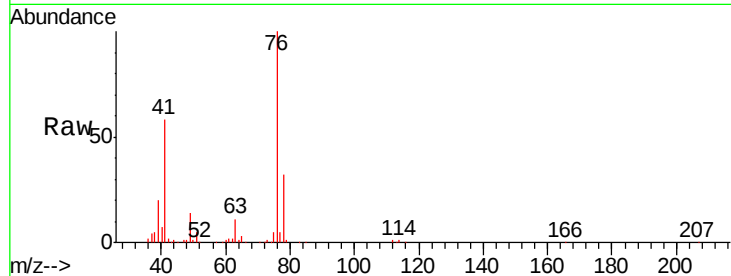
#57
 1,3-Dichloropropane
 Concen: 18.58 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion: 76 Resp: 345787
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

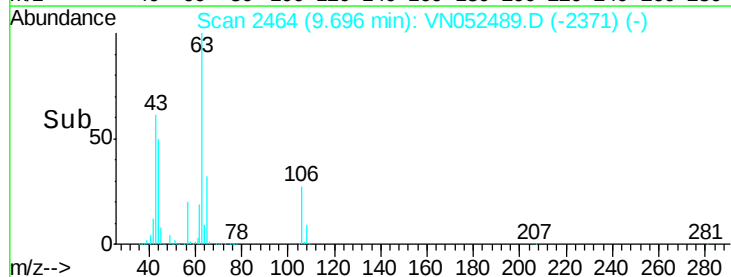
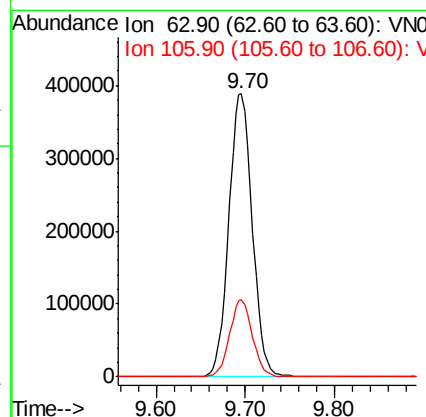
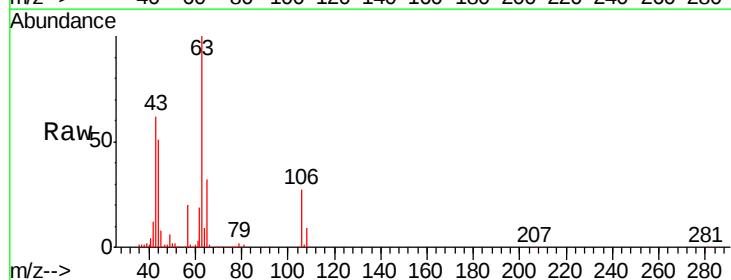
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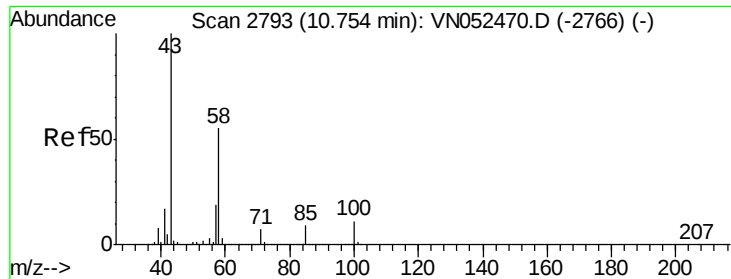
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.57 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion: 63 Resp: 707840
 Ion Ratio Lower Upper
 63 100
 106 26.5 20.6 30.8





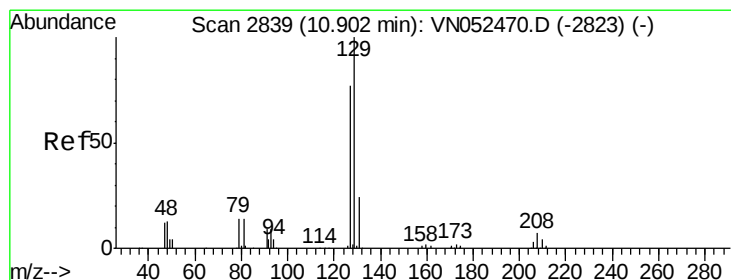
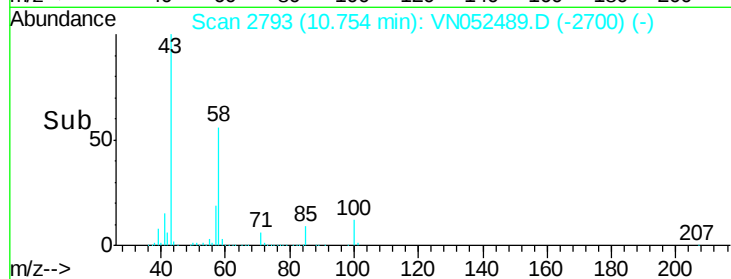
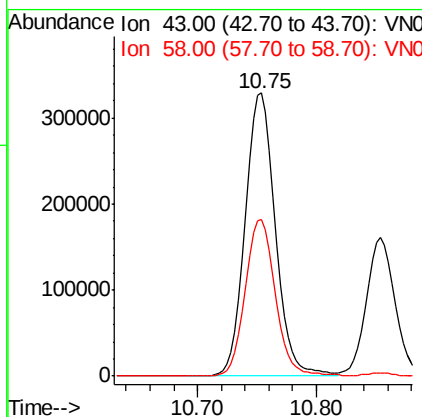
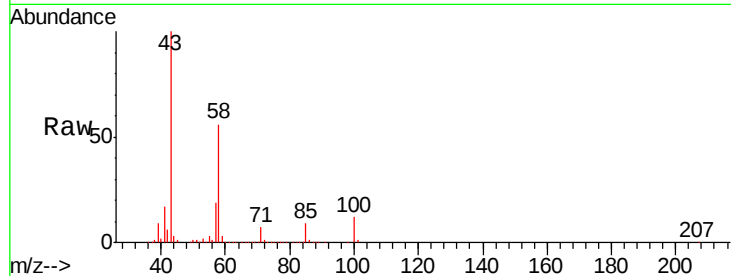
#59
2-Hexanone
Concen: 87.67 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion: 43 Resp: 576916
Ion Ratio Lower Upper
43 100
58 55.7 27.4 82.0

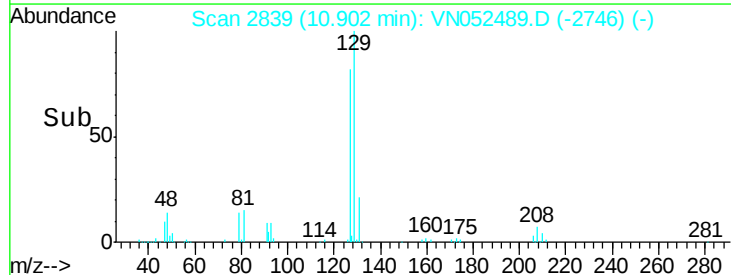
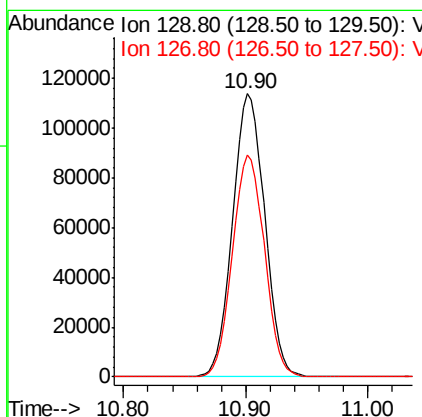
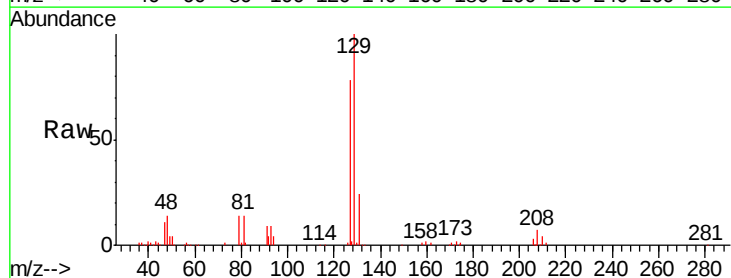
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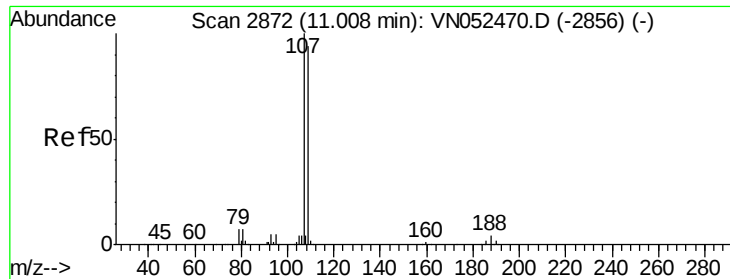
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11/28/2018 9:34:15 AM



#60
Dibromochloromethane
Concen: 18.17 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion: 129 Resp: 207917
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.6





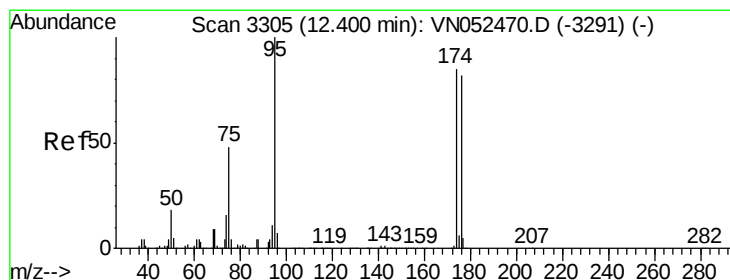
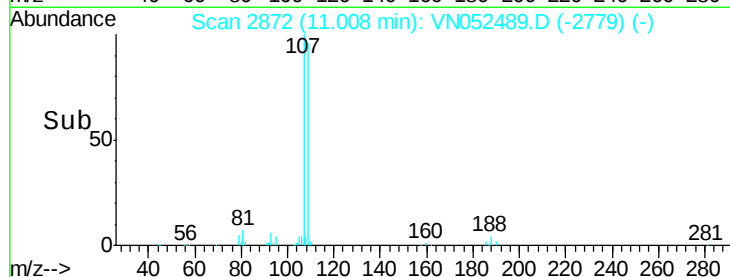
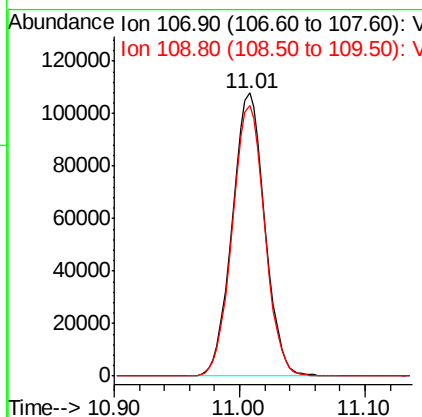
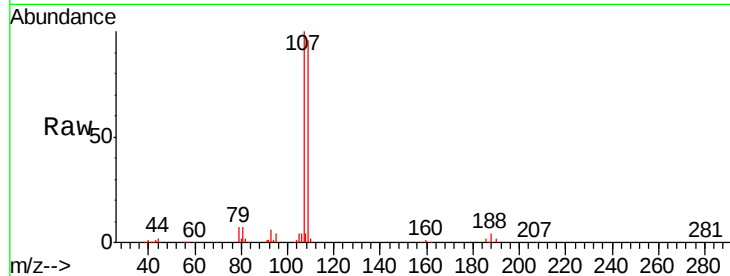
#61
 1,2-Dibromoethane
 Concen: 18.60 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion: 107 Resp: 194704
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.6 113.4

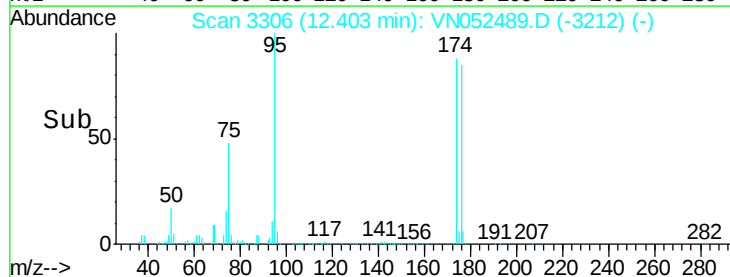
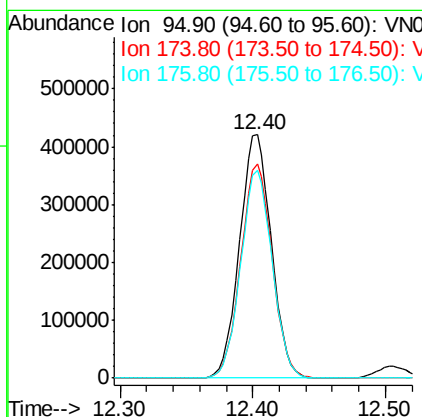
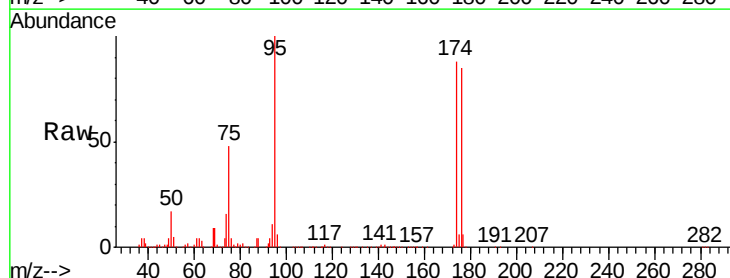
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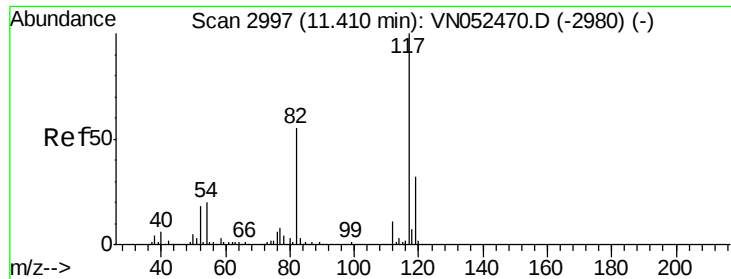
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#62
 4-Bromofluorobenzene
 Concen: 18.60 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion: 95 Resp: 700229
 Ion Ratio Lower Upper
 95 100
 174 86.8 0.0 173.0
 176 84.6 0.0 166.2





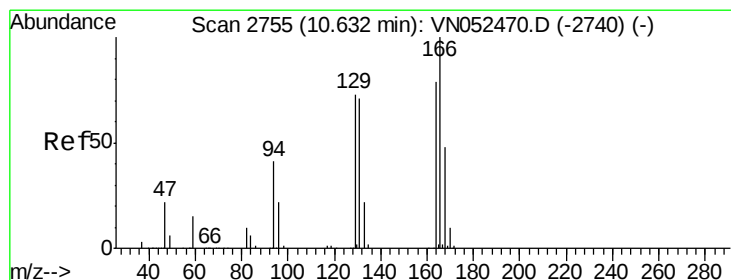
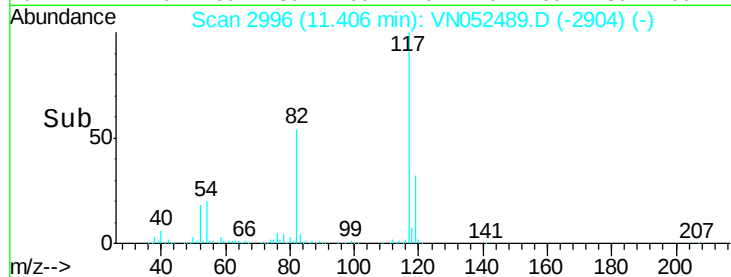
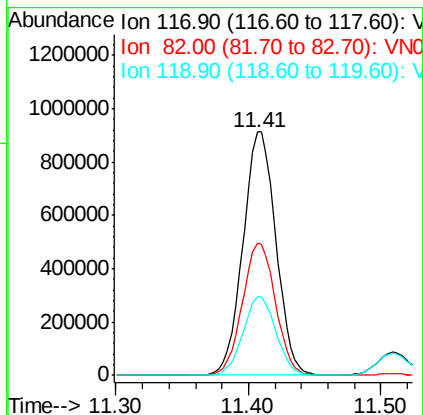
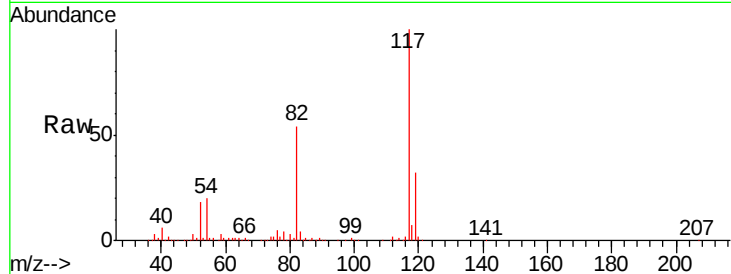
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion:117 Resp: 1572678
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 32.0 25.4 38.2

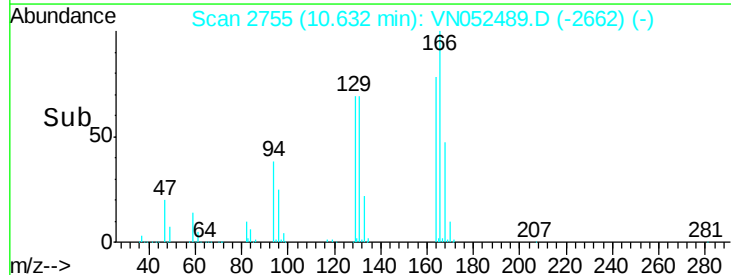
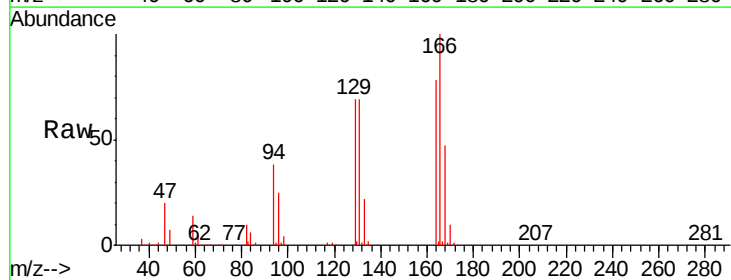
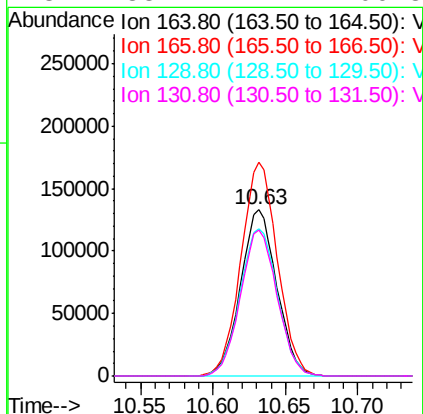
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#64
Tetrachloroethene
Concen: 18.96 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion:164 Resp: 231157
Ion Ratio Lower Upper
164 100
166 128.5 101.0 151.4
129 88.7 73.8 110.6
131 88.1 71.2 106.8





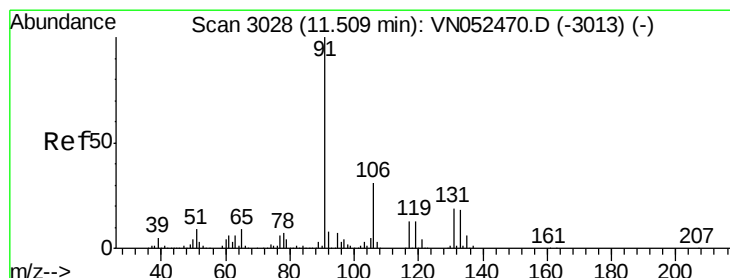
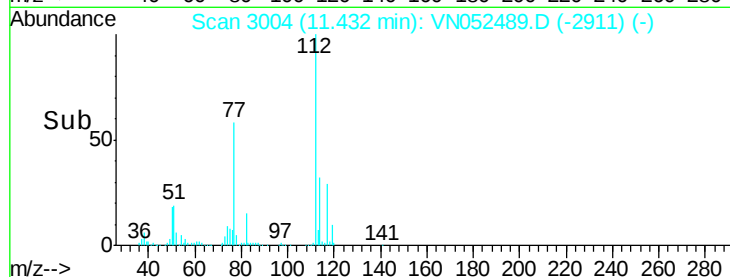
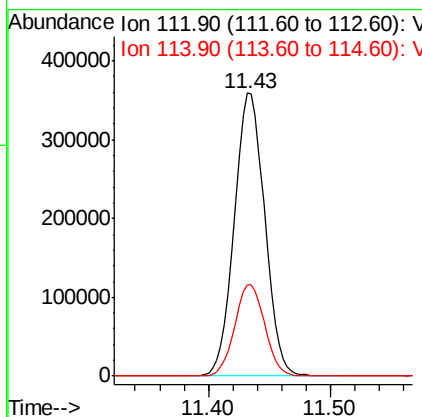
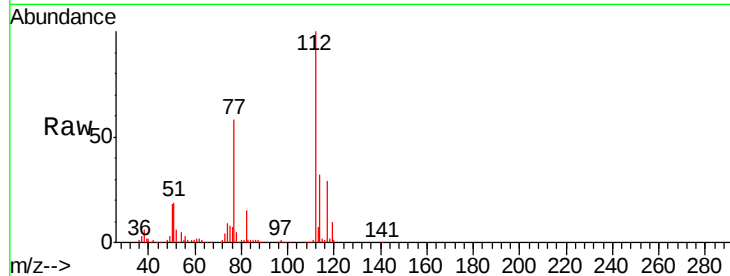
#65
Chlorobenzene
Concen: 19.16 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.6

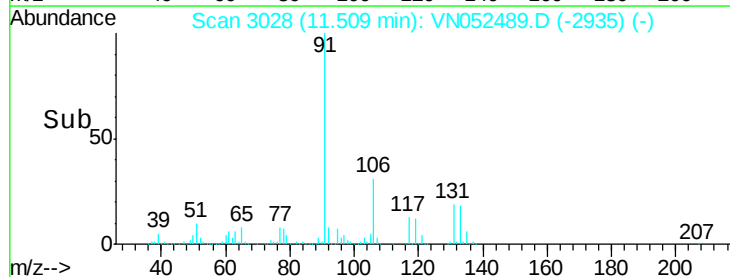
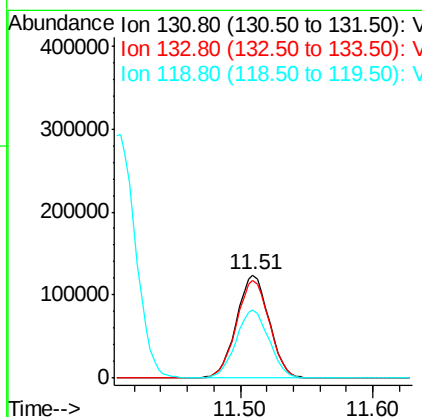
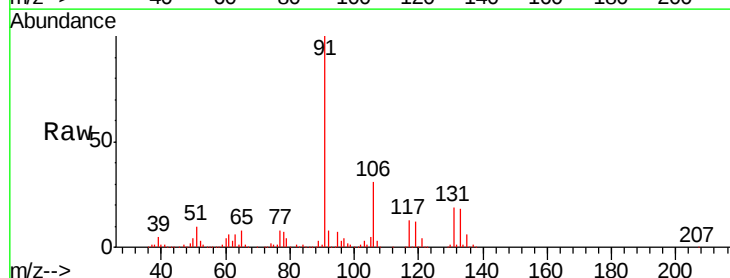
Manual Integrations
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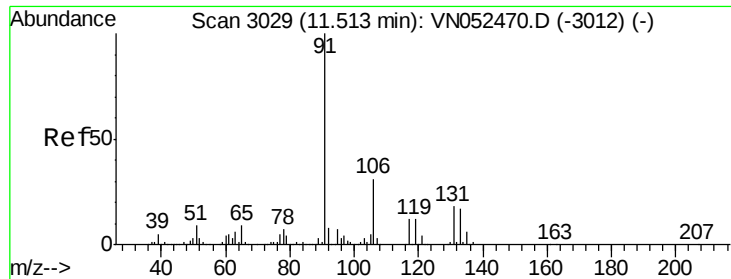
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.76 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.6	142.8
119	67.0	33.2	99.6





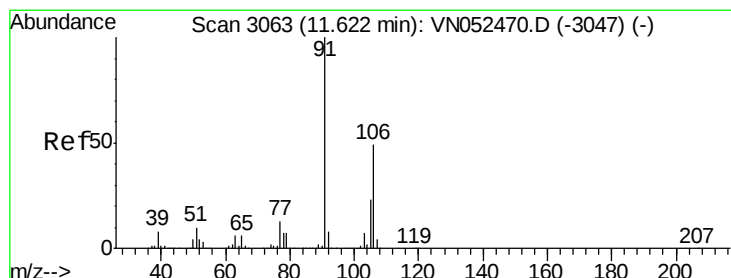
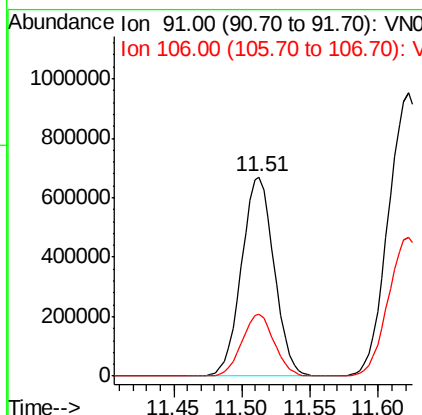
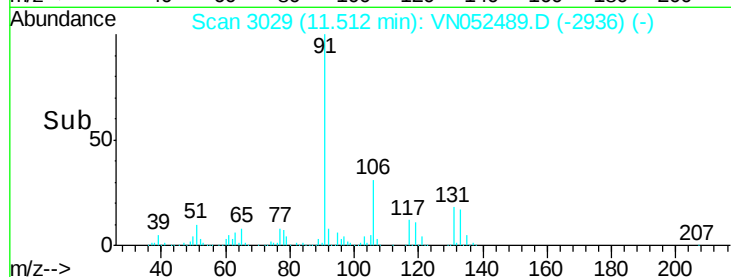
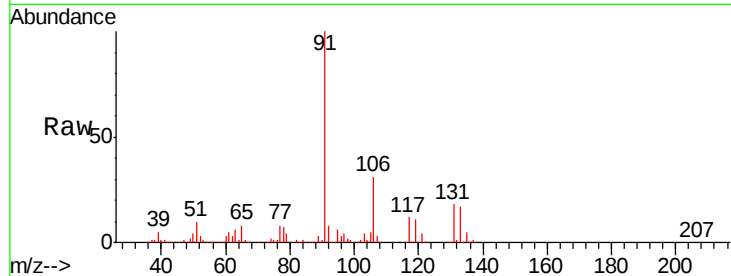
#67
Ethyl Benzene
Concen: 19.57 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion: 91 Resp: 1111475
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

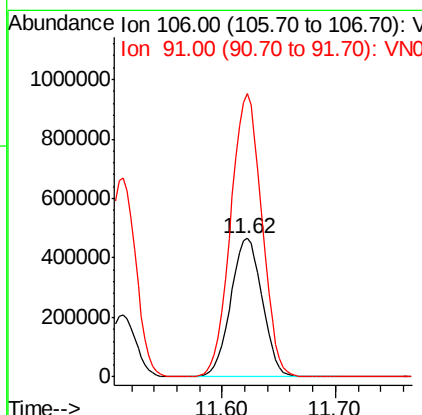
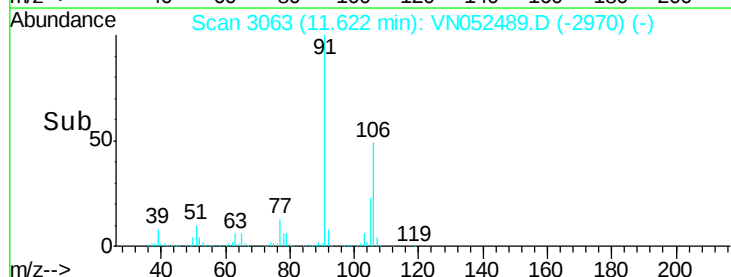
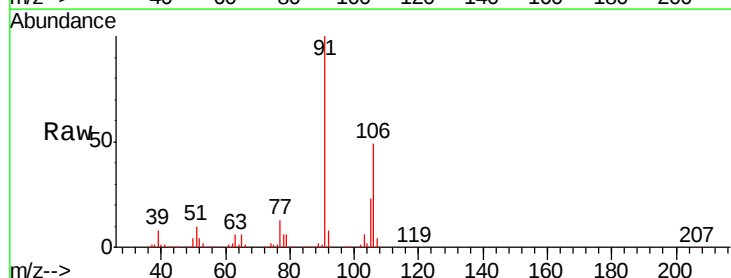
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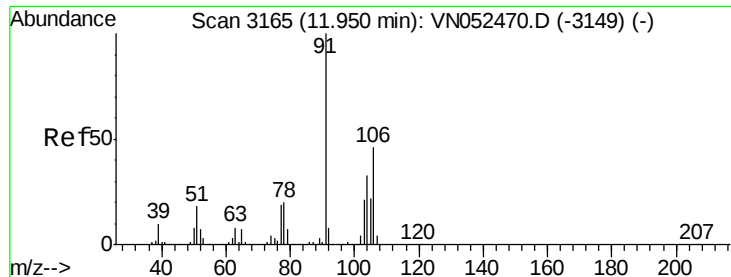
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#68
m/p-Xylenes
Concen: 42.60 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion: 106 Resp: 900610
Ion Ratio Lower Upper
106 100
91 202.7 163.2 244.8





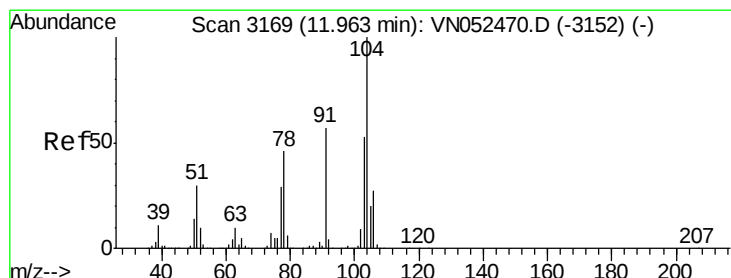
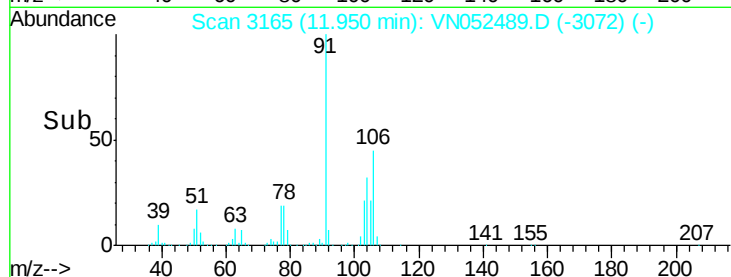
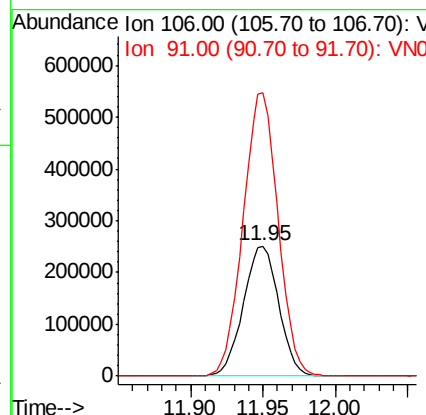
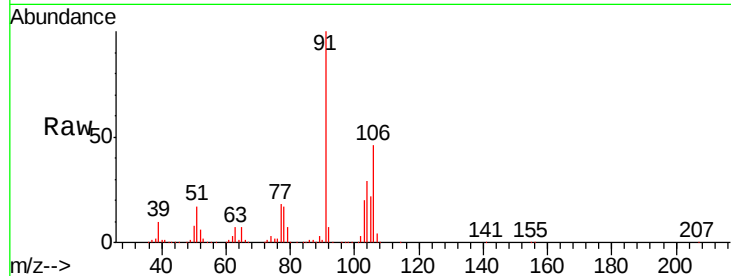
#69
o-Xylene
Concen: 20.73 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion:106 Resp: 425637
Ion Ratio Lower Upper
106 100
91 215.6 107.7 323.1

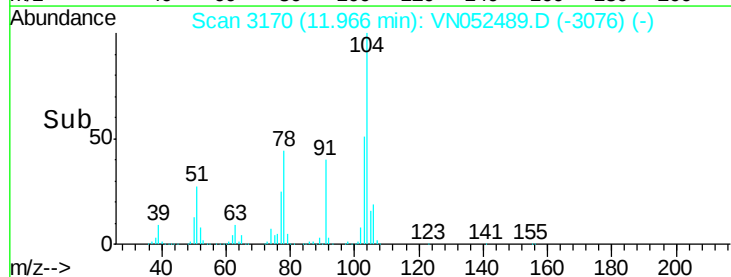
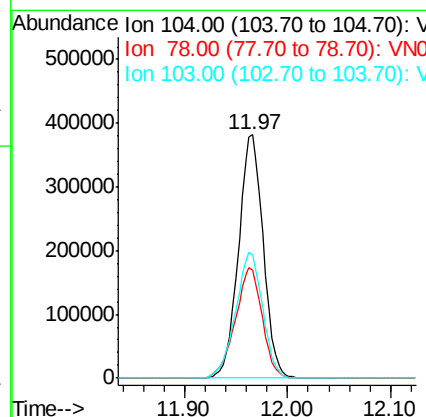
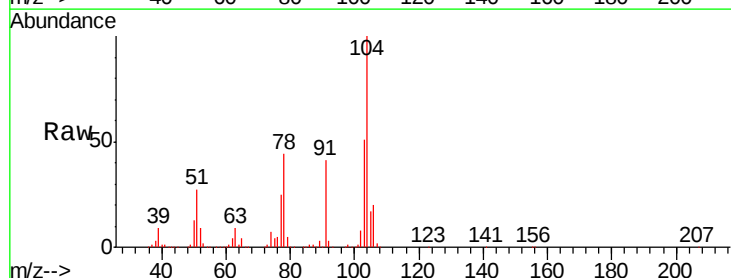
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#70
Styrene
Concen: 19.50 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion:104 Resp: 637754
Ion Ratio Lower Upper
104 100
78 49.4 39.4 59.2
103 56.5 44.9 67.3





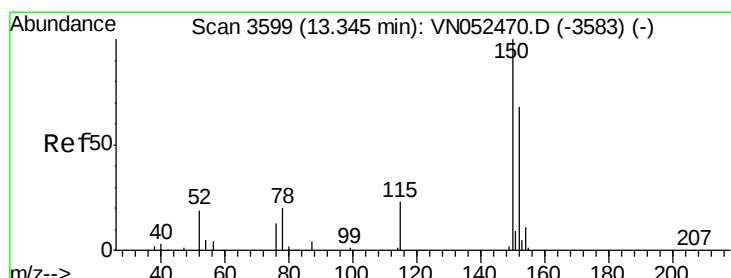
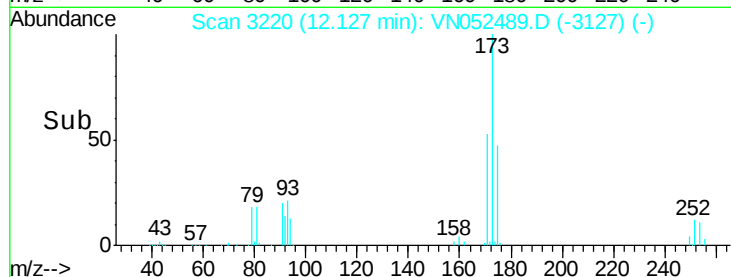
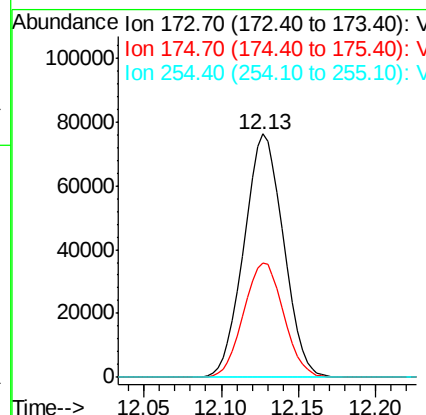
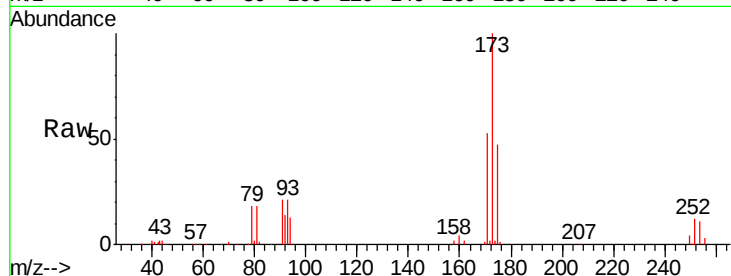
#71
Bromoform
Concen: 18.14 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.4	73.2
254	0.0	0.1	0.1#

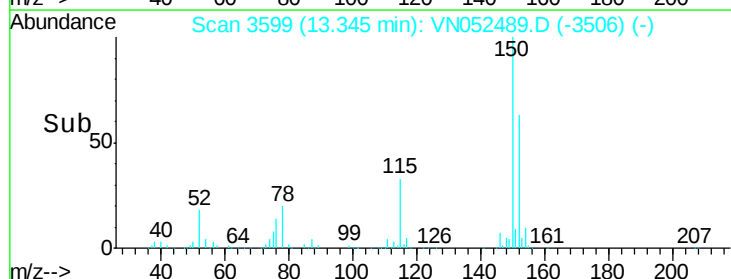
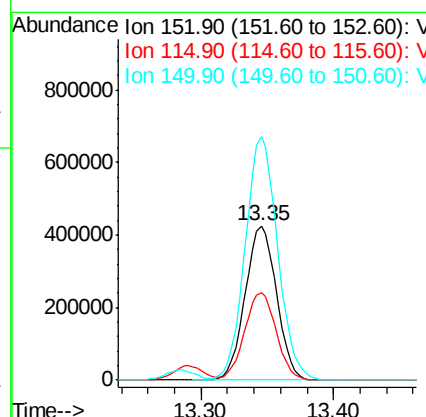
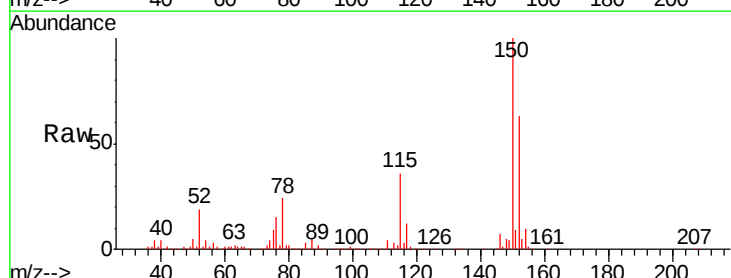
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.4	85.2
150	162.9	0.0	346.0





#73

Isopropylbenzene

Concen: 19.20 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion: 105 Resp: 1054442

Ion Ratio Lower Upper

105 100

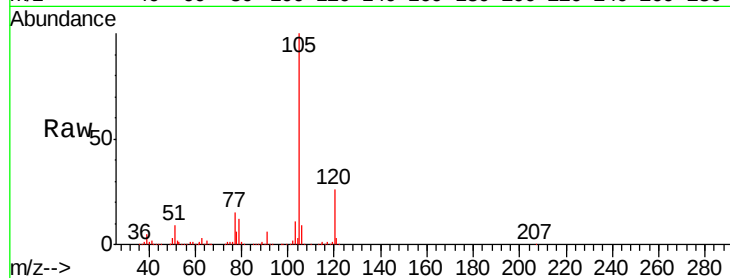
120 26.6 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

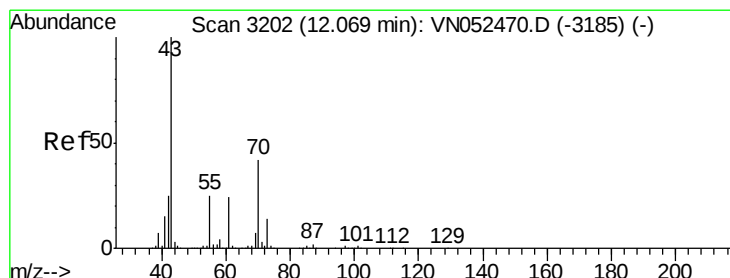
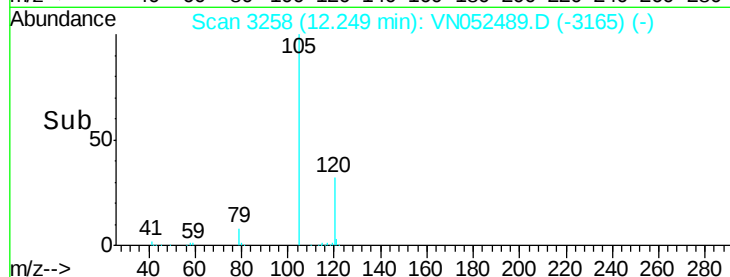
600000

400000

200000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.01 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Tgt Ion: 43 Resp: 263712

Ion Ratio Lower Upper

43 100

70 42.9 33.8 50.8

55 25.0 20.0 30.0

61 24.9 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

250000

200000

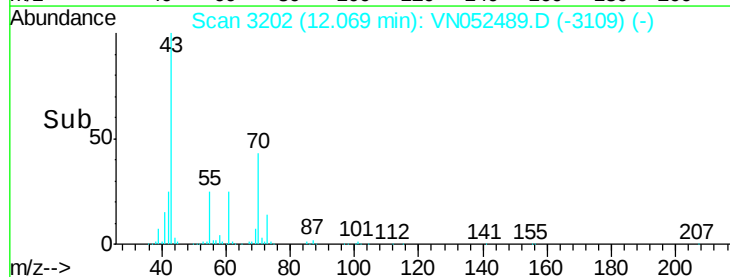
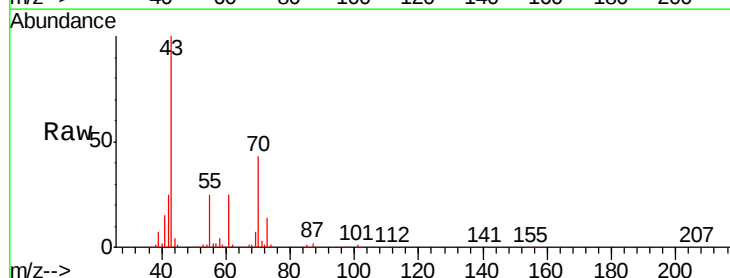
150000

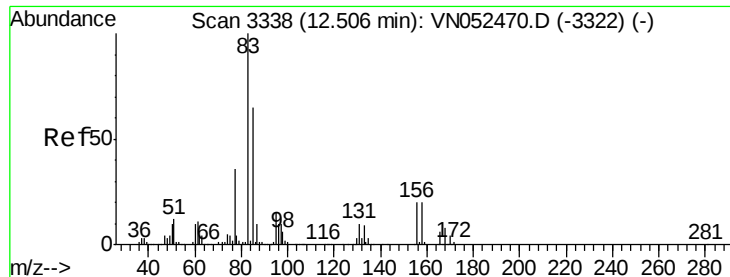
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 18.19 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion: 83 Resp: 227234
Ion Ratio Lower Upper

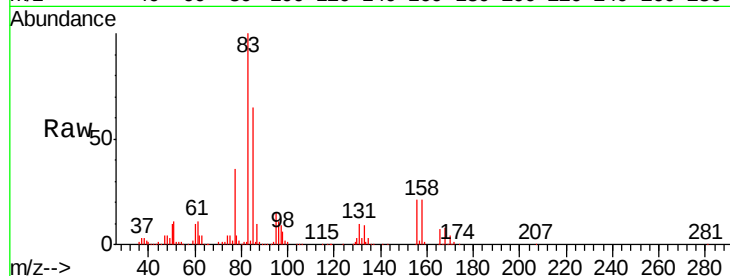
83 100

131 10.4 5.0 15.0

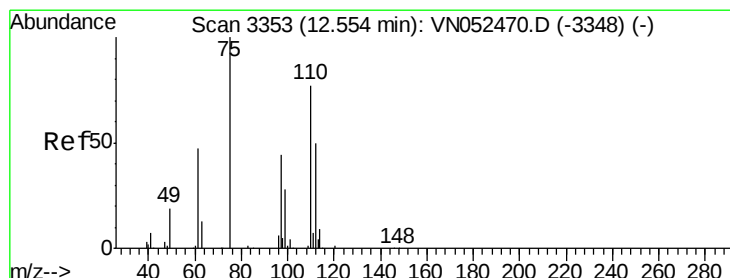
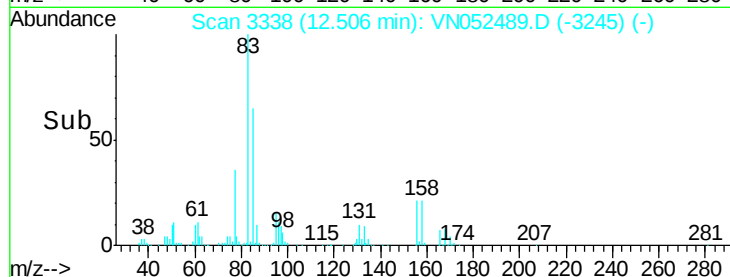
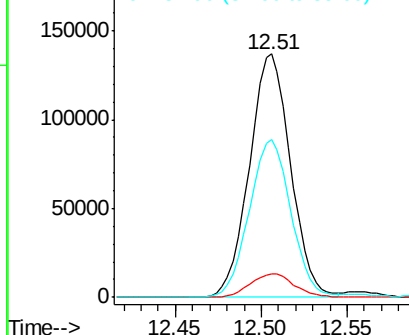
85 65.7 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 19.41 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

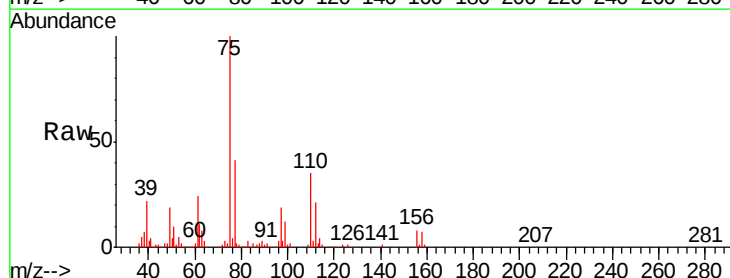
Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

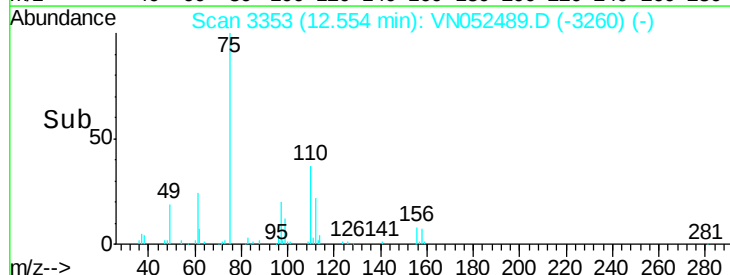
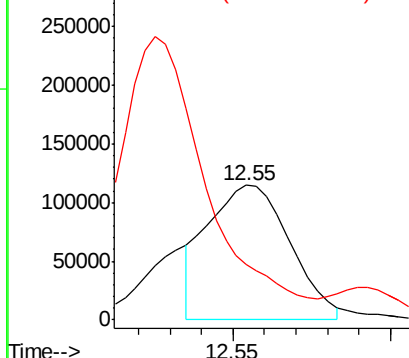
Tgt Ion: 75 Resp: 209542
Ion Ratio Lower Upper

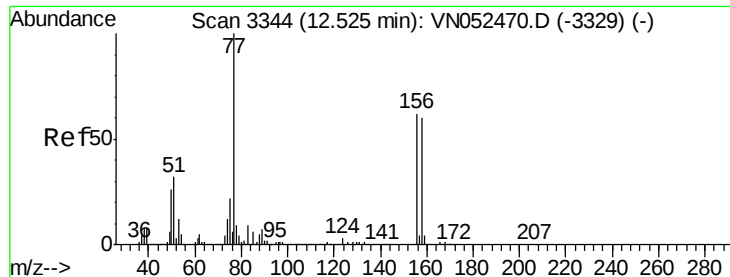
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 19.61 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

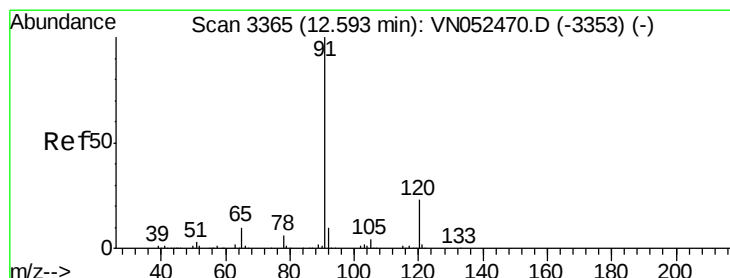
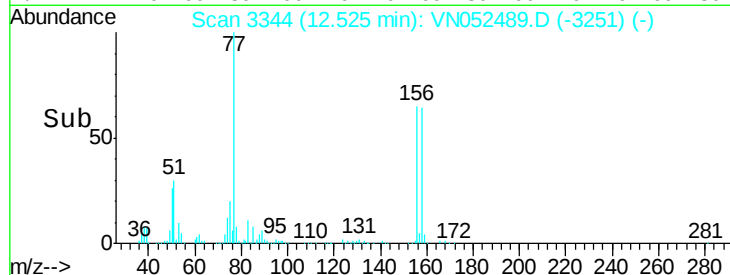
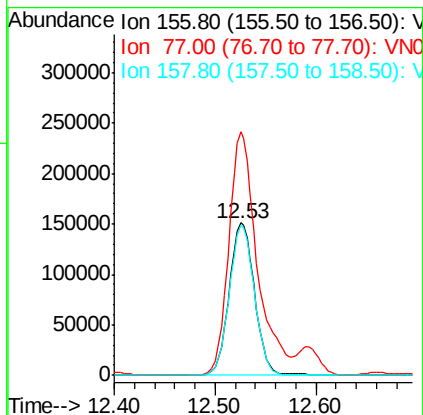
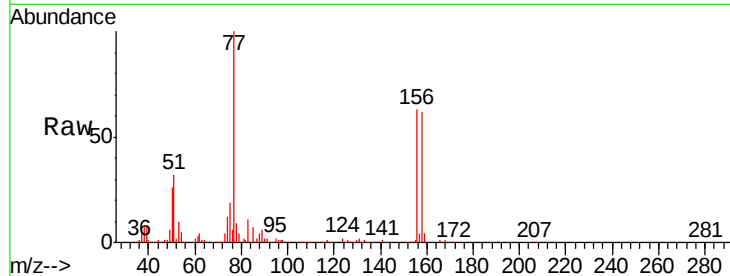
ClientSampleId :

VN1127MBS02

Tgt Ion:	156	Resp:	266191
Ion Ratio	Lower	Upper	
156	100		
77	178.5	93.5	280.4
158	96.2	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.19 ug/l

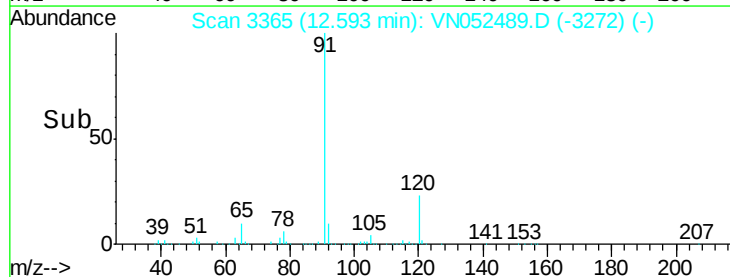
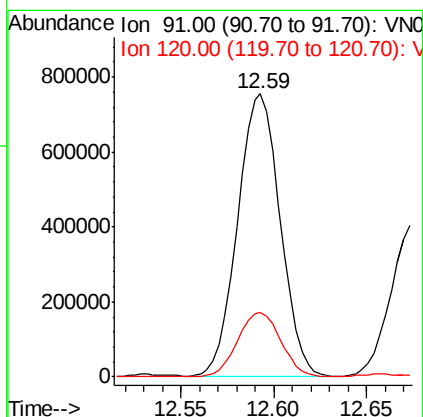
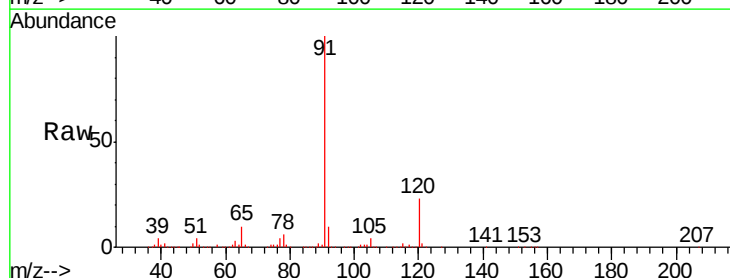
RT: 12.59 min Scan# 3365

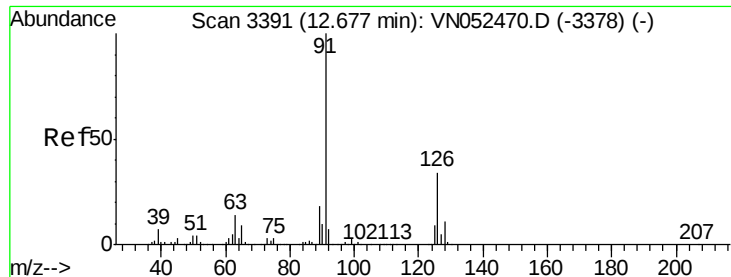
Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Tgt Ion:	91	Resp:	1197480
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.02 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion: 91 Resp: 706724

Ion Ratio Lower Upper

91 100

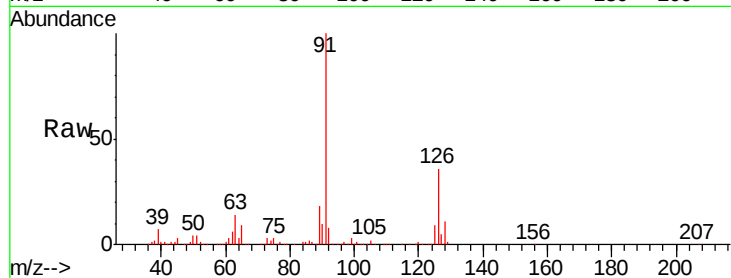
126 35.0 17.2 51.6

Manual Integrations

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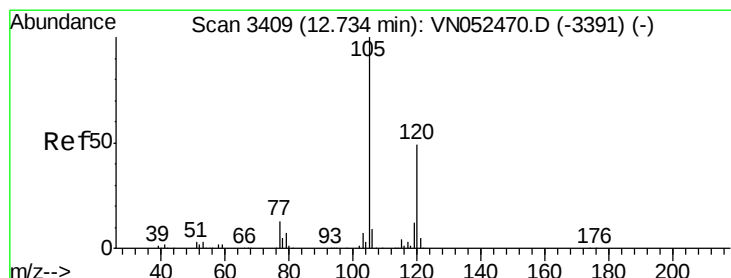
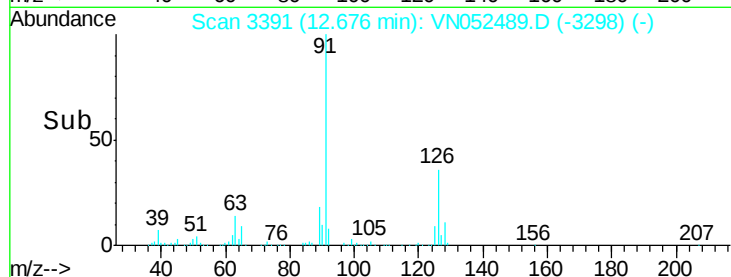
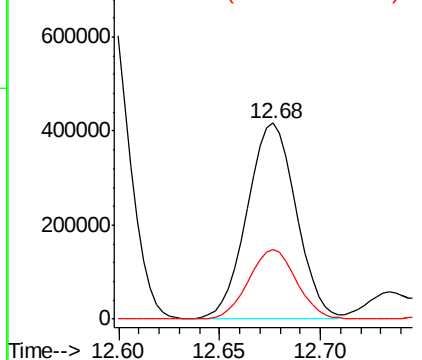
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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.84 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052489.D

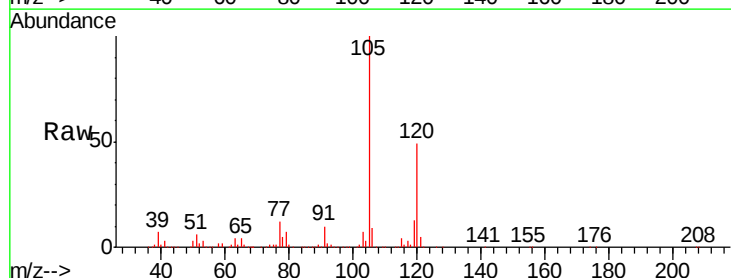
Acq: 27 Nov 2018 19:53

Tgt Ion: 105 Resp: 868893

Ion Ratio Lower Upper

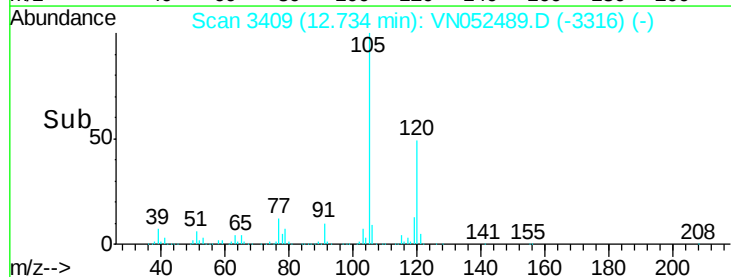
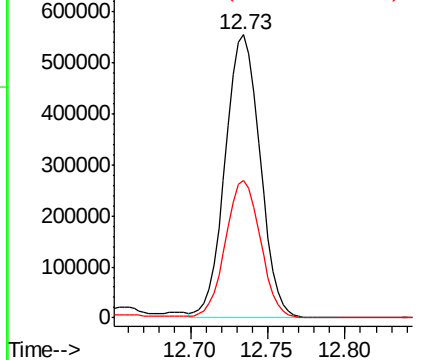
105 100

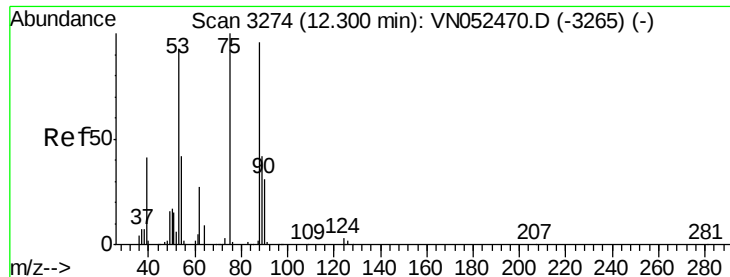
120 48.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.88 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

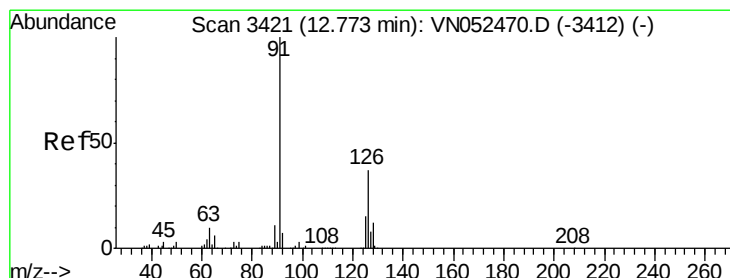
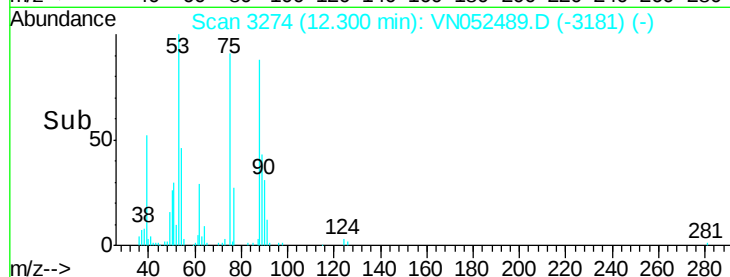
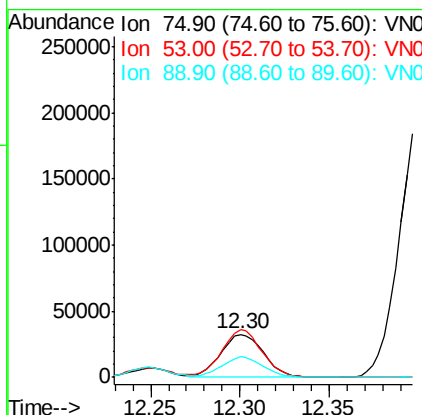
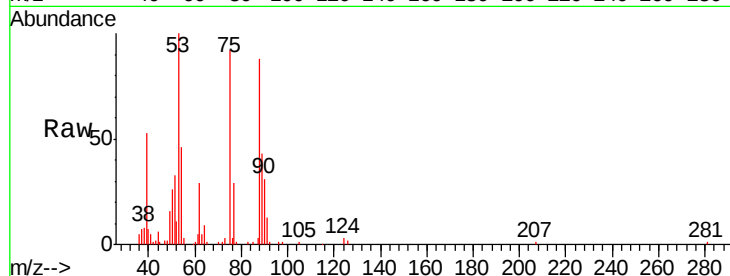
ClientSampleId :

VN1127MBS02

Tgt Ion:	75	Resp:	54566
Ion	Ratio	Lower	Upper
75	100		
53	104.1	77.4	116.0
89	45.5	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.80 ug/l

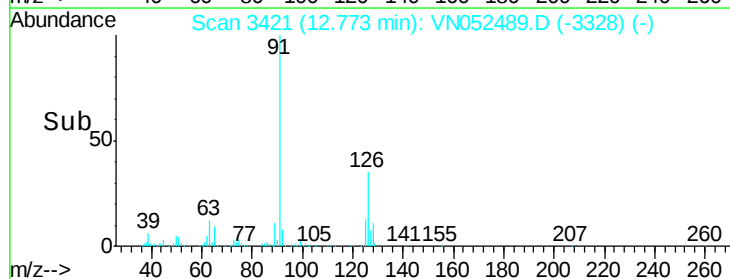
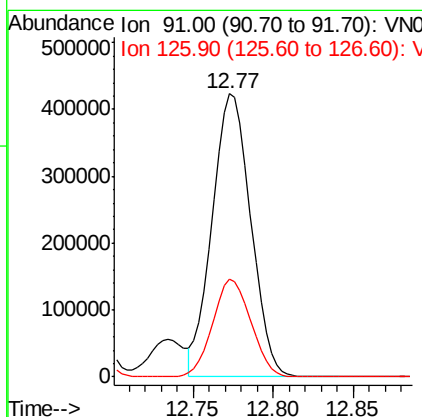
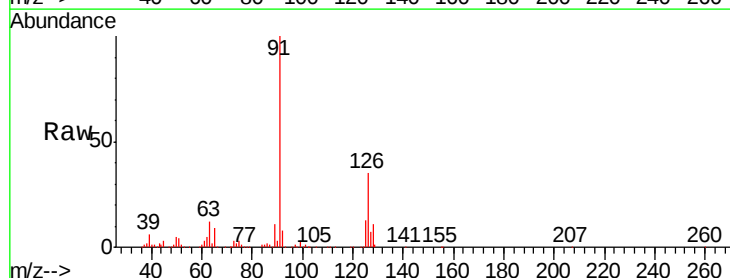
RT: 12.77 min Scan# 3421

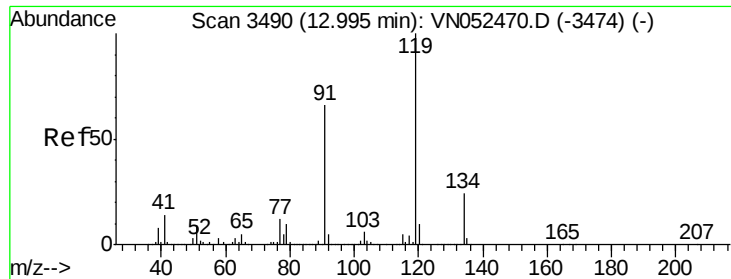
Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Tgt Ion:	91	Resp:	703814
Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.9	50.6





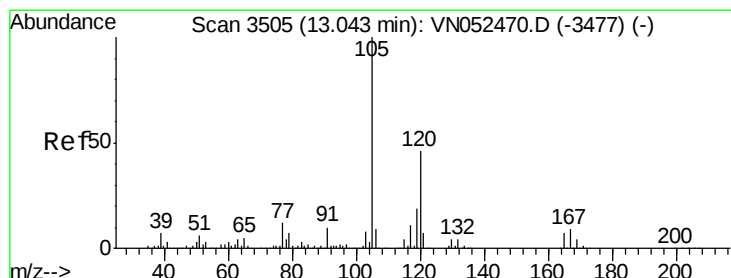
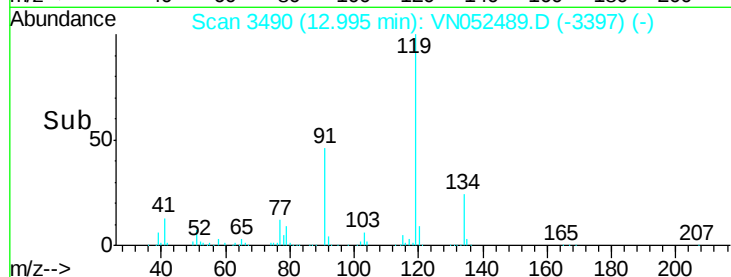
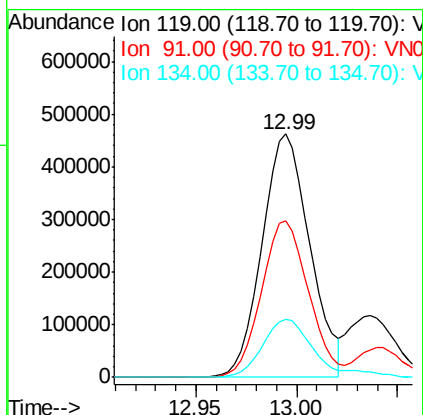
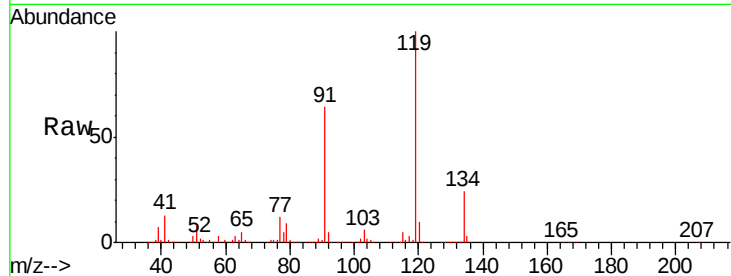
#83
 tert-Butylbenzene
 Concen: 19.53 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.3	96.9
134	26.1	13.0	38.9

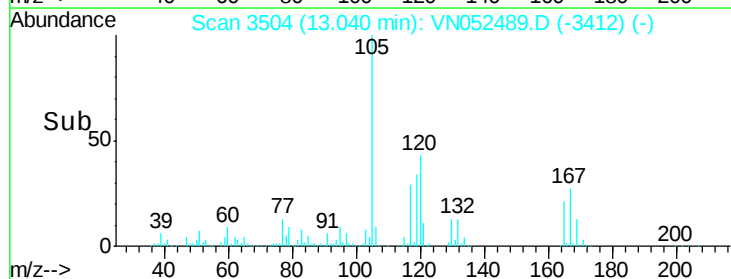
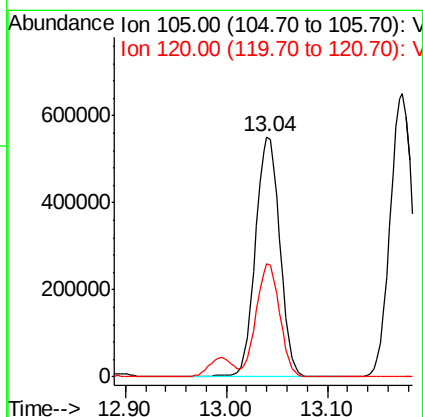
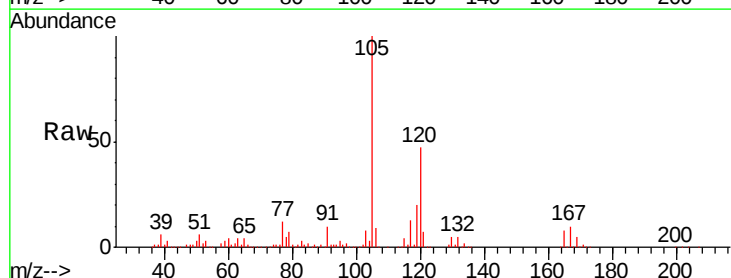
Manual Integrations
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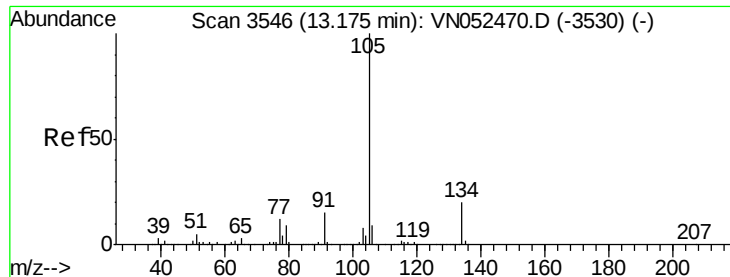
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.92 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.17 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127MBS02

Tgt Ion:105 Resp: 1019722

Ion Ratio Lower Upper

105 100

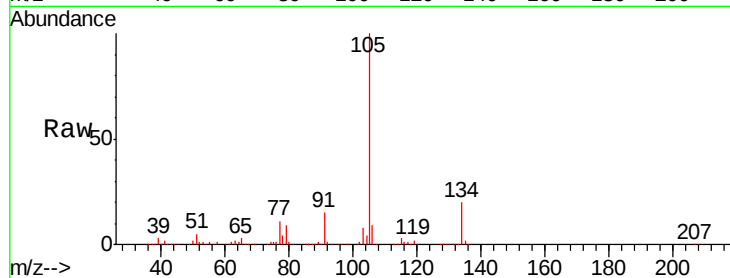
134 20.3 9.9 29.7

Manual Integrations

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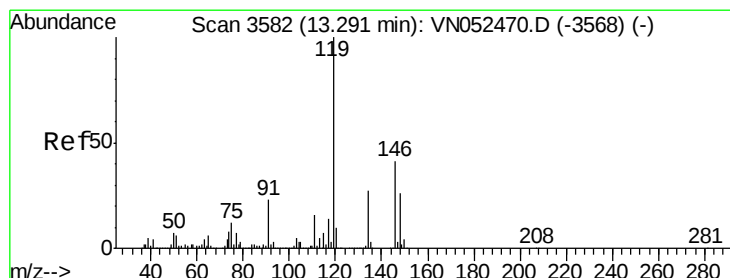
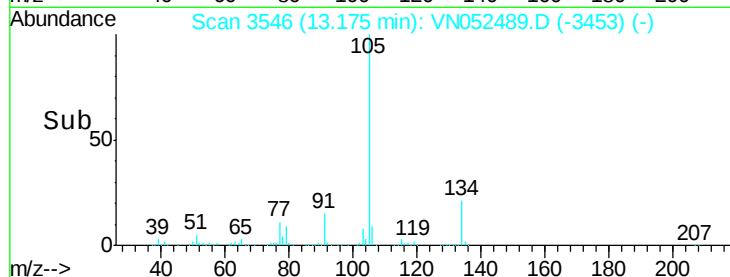
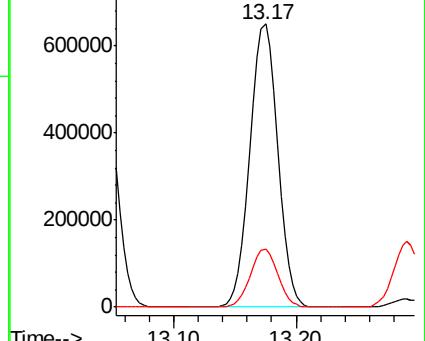
MMDadoda

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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: 19.11 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

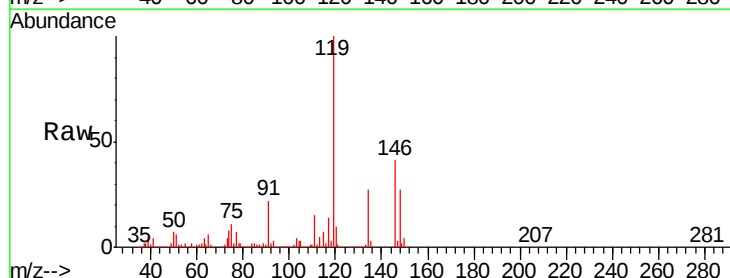
Tgt Ion:119 Resp: 865491

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

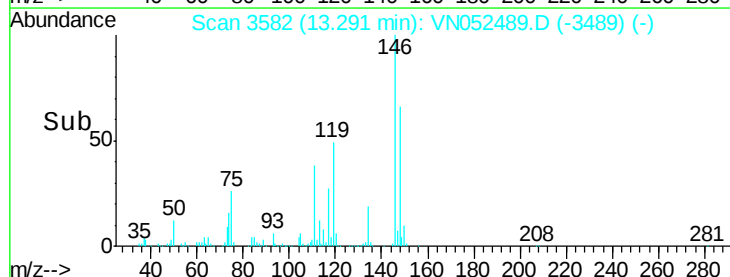
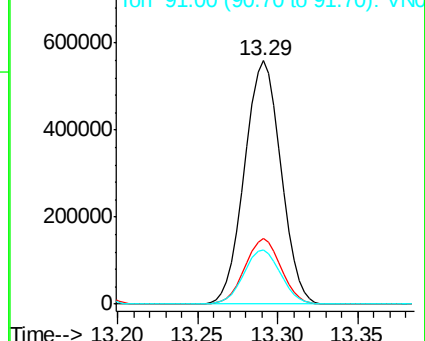
91 22.4 11.4 34.2

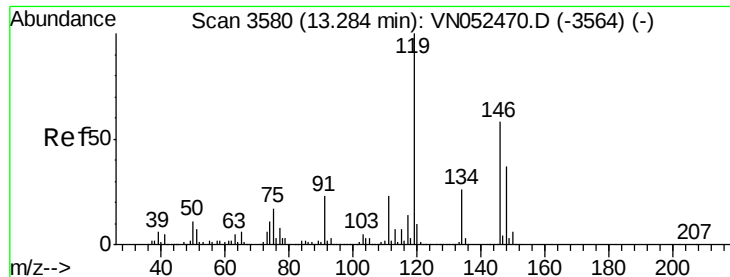


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





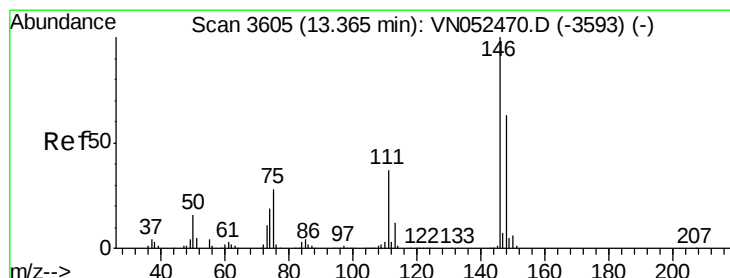
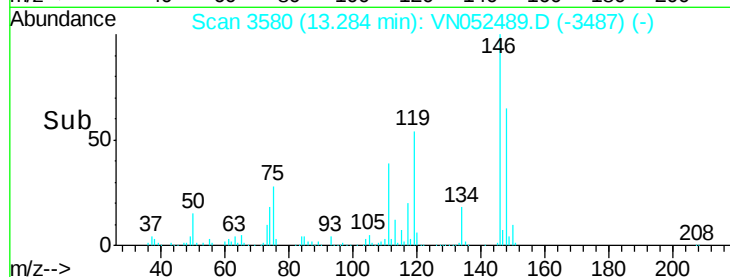
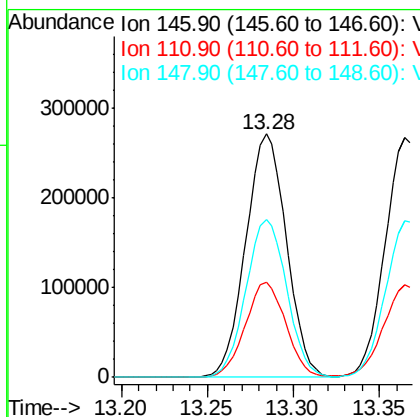
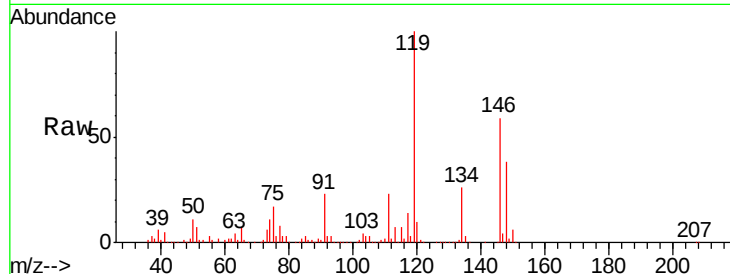
#87
 1,3-Dichlorobenzene
 Concen: 18.72 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	64.9	31.8	95.4

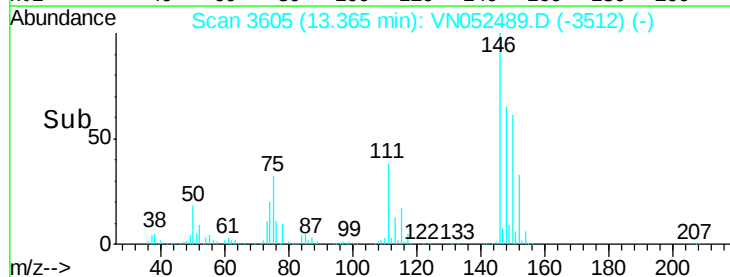
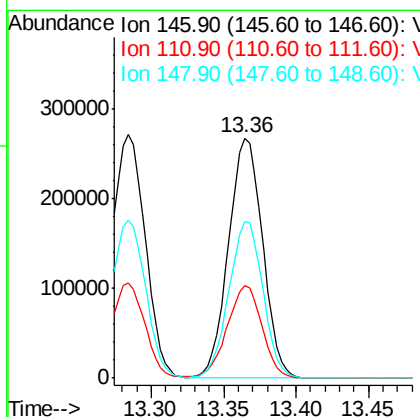
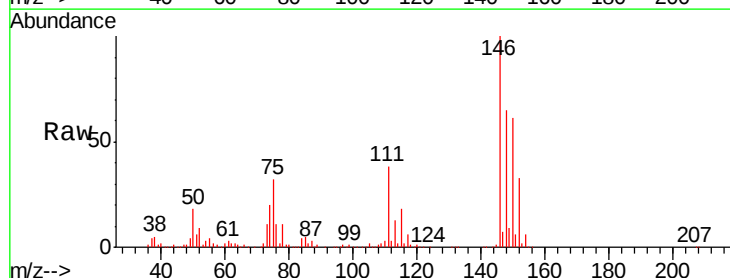
Manual Integrations
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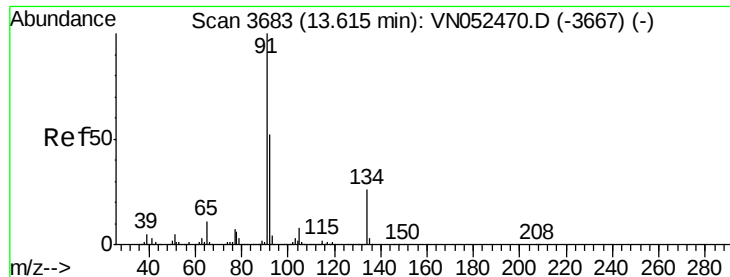
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#88
 1,4-Dichlorobenzene
 Concen: 18.67 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.6	56.0
148	65.0	31.9	95.9





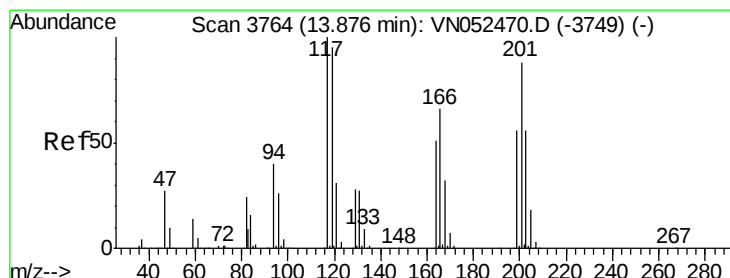
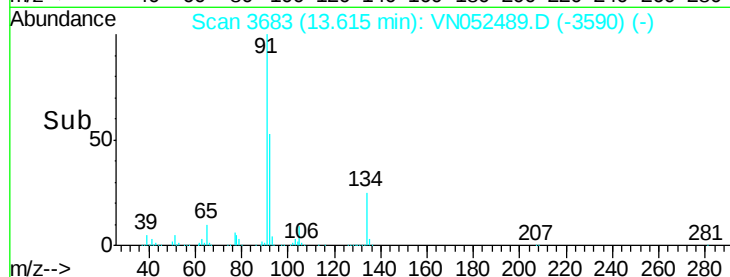
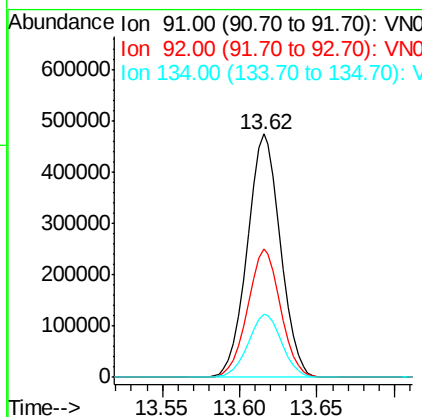
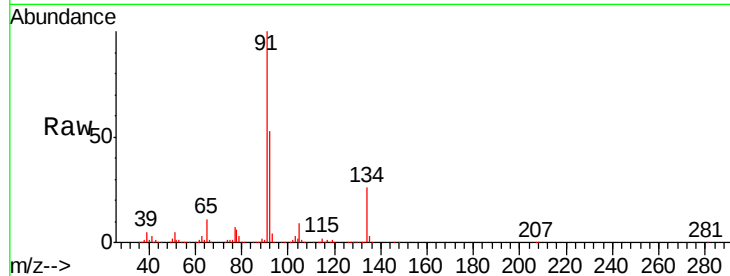
#89
n-Butylbenzene
Concen: 18.74 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.3
134	26.3	13.0	38.9

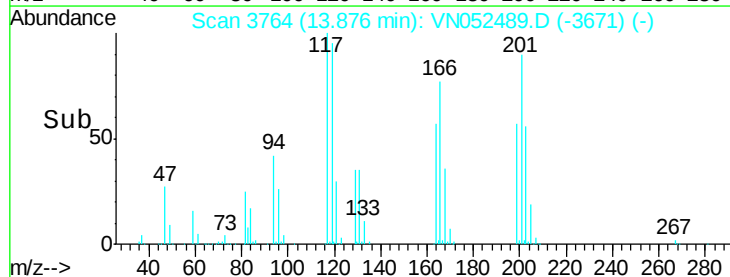
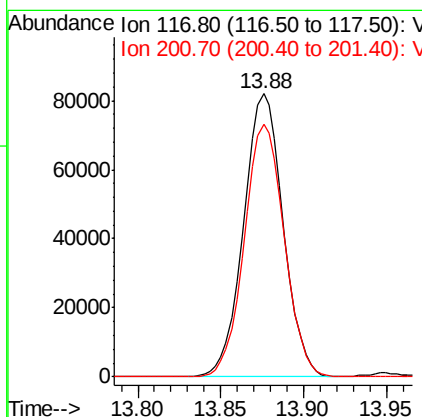
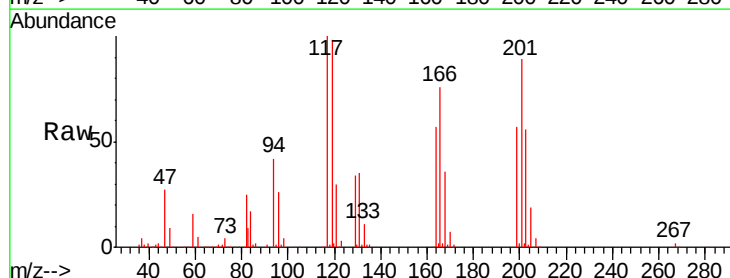
Manual Integrations
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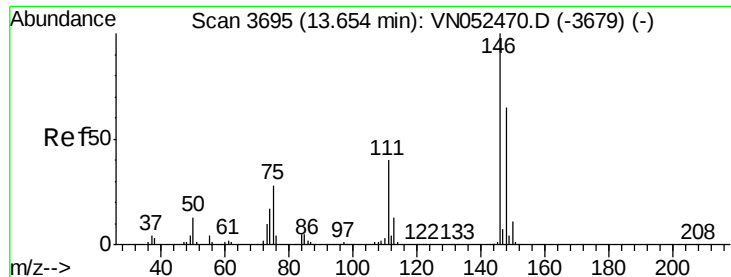
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#90
Hexachloroethane
Concen: 17.76 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052489.D
Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	43.6	130.9





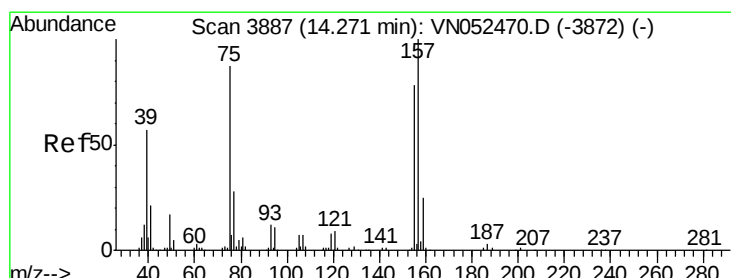
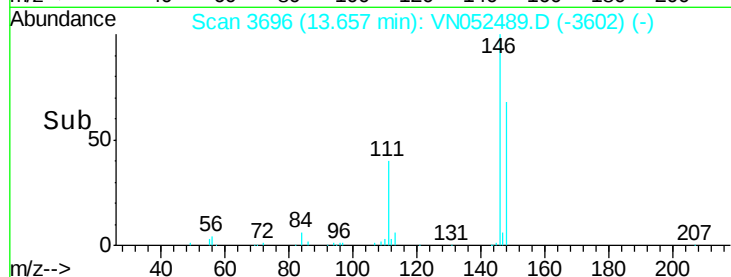
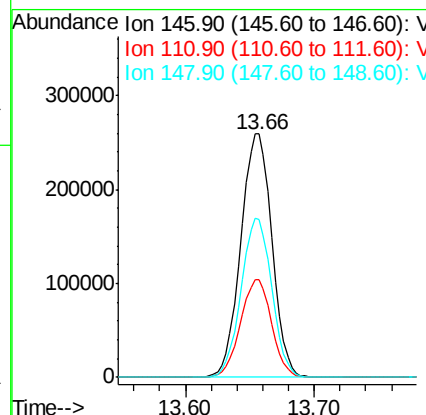
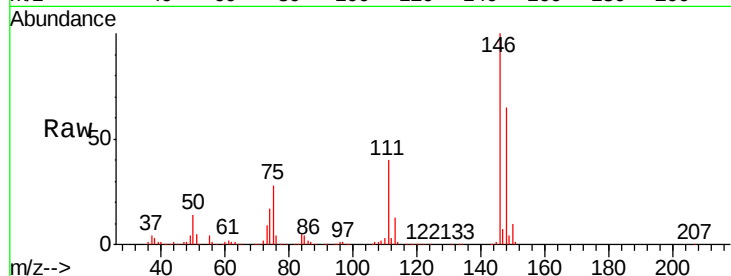
#91
 1,2-Dichlorobenzene
 Concen: 19.18 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	64.3	32.0	96.2

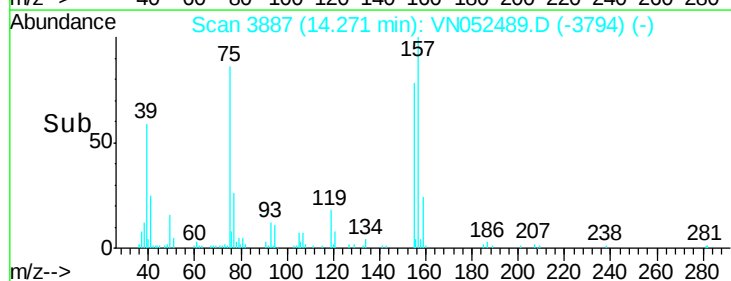
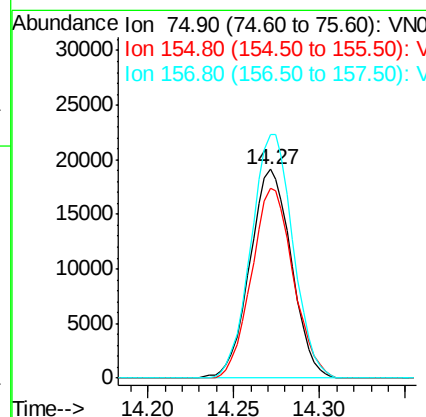
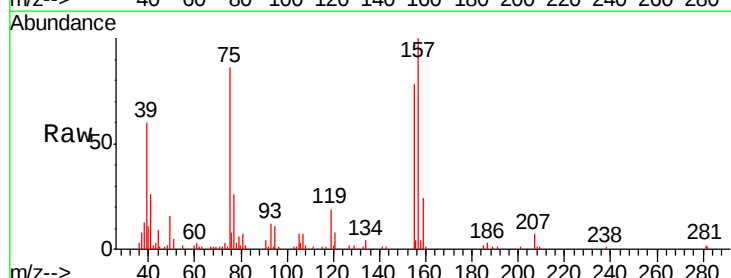
Manual Integrations
 APPROVED

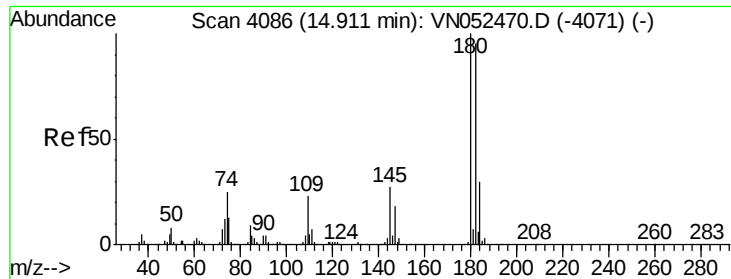
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 11/28/2018 9:34:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.88 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	45.3	135.9
157	118.3	58.1	174.2





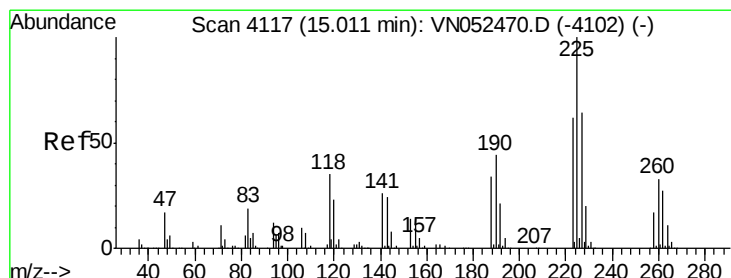
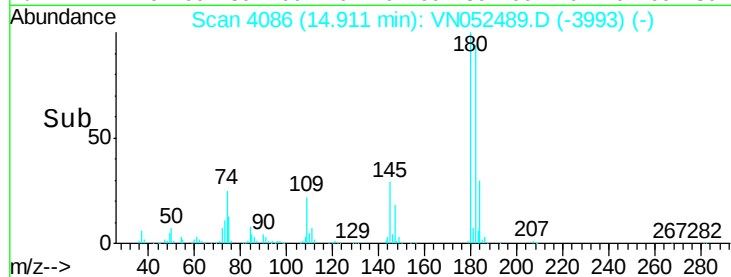
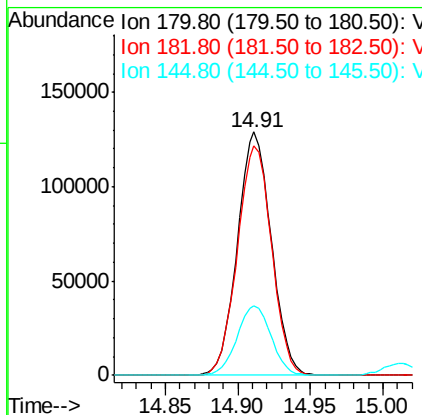
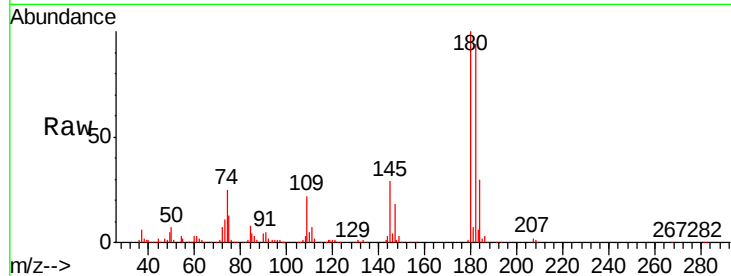
#93
 1,2,4-Trichlorobenzene
 Concen: 18.69 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	208943		
182	95.4	47.8	143.4	
145	29.0	14.1	42.3	

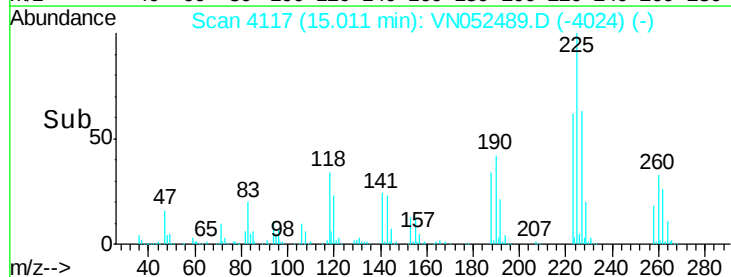
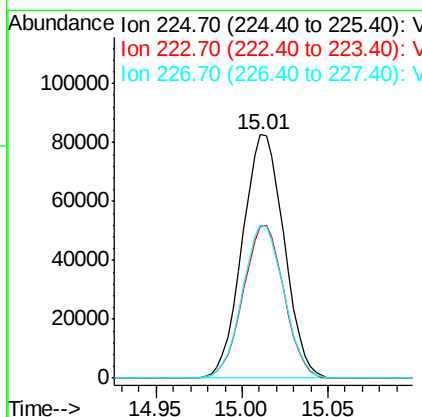
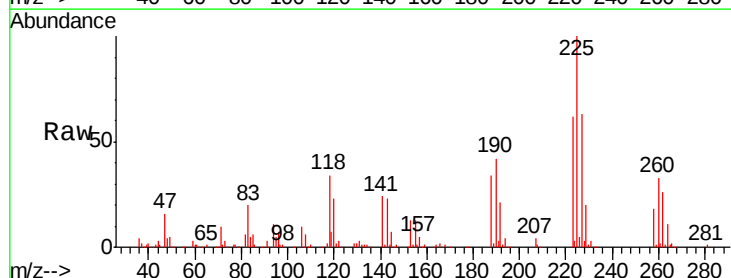
Manual Integrations
 APPROVED

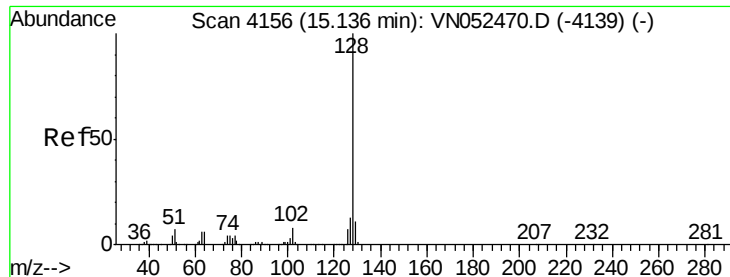
MMDadoda
 11/28/2018 9:34:15 AM



#94
 Hexachlorobutadiene
 Concen: 19.05 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052489.D
 Acq: 27 Nov 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	139051		
223	61.4	31.4	94.2	
227	62.5	32.5	97.4	





#95

Naphthalene

Concen: 20.77 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Instrument :

MSVOA_N

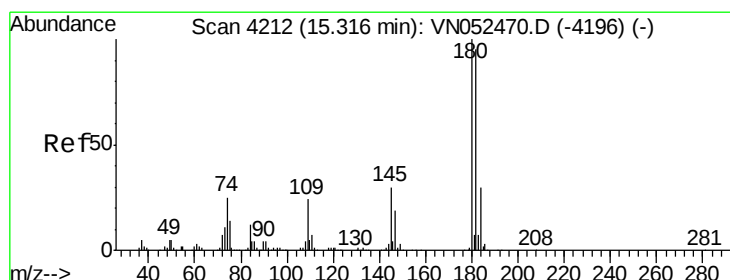
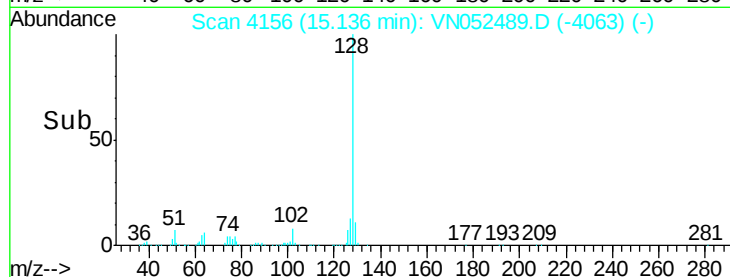
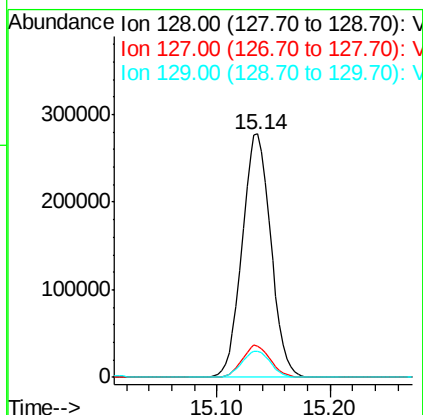
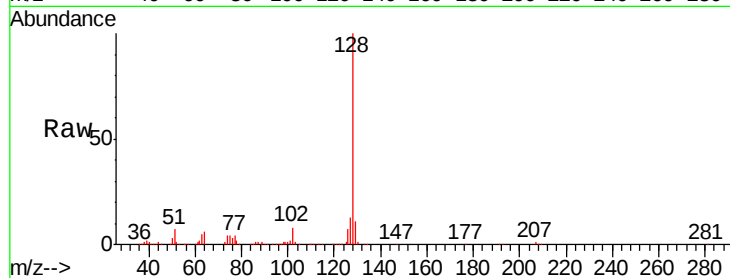
ClientSampleId :

VN1127MBS02

Tgt Ion:	128	Resp:	490687
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/28/2018 9:34:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.16 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052489.D

Acq: 27 Nov 2018 19:53

Tgt Ion:	180	Resp:	198590
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.8	143.3
145	29.9	15.2	45.5

