LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.242	449	467	498	rBV	1080590	2579757	5.71%	1.026%
2	5.988	1301	1321	1357	rVB2	1102105	3427472	7.58%	1.363%
3	6.492	1455	1478	1503	rBV3	303401	911671	2.02%	0.363%
4	7.624	1818	1830	1850	rVB	293894	711204	1.57%	0.283%
5	7.987	1922	1943	1964	rBV2	212367	531379	1.18%	0.211%
6	8.550	2103	2118	2136	rVB2	453456	946750	2.09%	0.377%
7	8.778	2158	2189	2248	rBV	17215886	45213584	100.00%	17.983%
8	9.010	2248	2261	2286	rVV	362129	735202	1.63%	0.292%
9	10.058	2570	2587	2601	rBV	768171	1484106	3.28%	0.590%
10	10.325	2657	2670	2696	rBV	355061	648477	1.43%	0.258%
11	10.823	2815	2825	2838	rVV	273473	458809	1.01%	0.182%
12	11.380	2984	2998	3014	rBV	736153	1304821	2.89%	0.519%
13	11.592	3045	3064	3085	rVV2	287841	770522	1.70%	0.306%
14	11.920	3155	3166	3175	rBV2	277274	467974	1.04%	0.186%
15	12.212	3243	3257	3282	rBV	20983505	38537890	85.24%	15.327%
16	12.376	3300	3308	3316	rVB	610037	971806	2.15%	0.387%
17	12.630	3377	3387	3393	rBV	506707	839759	1.86%	0.334%
18	12.701	3401	3409	3422	rVB2	1355110	2080128	4.60%	0.827%
19	12.862	3448	3459	3467	rBV	298875	620624	1.37%	0.247%
20	12.936	3475	3482	3493	rBV2	307749	459188	1.02%	0.183%
21	13.010	3495	3505	3516	rVB2	1836985	2975543	6.58%	1.183%
22	13.093	3525	3531	3553	rVB4	539600	1243642	2.75%	0.495%
23	13.232	3564	3574	3579	rBV3	937669	1571891	3.48%	0.625%
24	13.322	3589	3602	3617	rBV4	928528	2308323	5.11%	0.918%
25	13.421	3621	3633	3644	rVB2	1850467	3600772	7.96%	1.432%
26	13.486	3645	3653	3656	rBV4	711599	998933	2.21%	0.397%
27	13.556	3670	3675	3691	rVB4	956091	1766220	3.91%	0.702%
28	13.646	3692	3703	3712	rBV	5880909	8855765	19.59%	3.522%
29	13.791	3736	3748	3761	rVB	13183276	21887300	48.41%	8.705%
30	13.862	3763	3770	3778	rVB	1391606	1960091	4.34%	0.780%
31	13.907	3778	3784	3793	rVB2	800884	1221818	2.70%	0.486%
32	13.968	3794	3803	3812	rBV2	1320508	2085253	4.61%	0.829%
33	14.035	3814	3824	3835	rBV6	1889249	3439123	7.61%	1.368%
34	14.135	3846	3855	3861	rBV5	1849792	3474322	7.68%	1.382%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Title : SW846 8260

35	14.209	3873	3878	3889	rVB2	2014185	3808354	8.42%	1.515%
36	14.270	3889	3897	3903	rVV2	2491994	3577568	7.91%	1.423%
37	14.306	3904	3908	3916	rVB2	1336275	1650094	3.65%	0.656%
38	14.408	3934	3940	3945	rBV2	920902	1115032	2.47%	0.443%
39	14.447	3947	3952	3957	rVV	945234	1410673	3.12%	0.561%
40	14.498	3960	3968	3977	rVB2	11826262	16776365	37.10%	6.672%
41	14.560	3978	3987	3997	rVV5	3794622	8198217	18.13%	3.261%
42	14.614	3997	4004	4017	rVB3	4458720	8397707	18.57%	3.340%
43	14.823	4063	4069	4075	rBV5	1620436	2027912	4.49%	0.807%
44	14.926	4092	4101	4110	rBV8	2034936	4301968	9.51%	1.711%
45	15.084	4142	4150	4166	rBV5	3537589	8316018	18.39%	3.307%
46	15.212	4183	4190	4199	rBV4	2134306	3471872	7.68%	1.381%
47	15.302	4209	4218	4231	rVB2	9005792	14974507	33.12%	5.956%
48	15.871	4386	4395	4405	rVB5	2176839	4194661	9.28%	1.668%
49	16.119	4466	4472	4484	rVB4	1789068	3160632	6.99%	1.257%
50	16.193	4487	4495	4509	rVB	2753307	4958832	10.97%	1.972%

Sum of corrected areas: 251430531

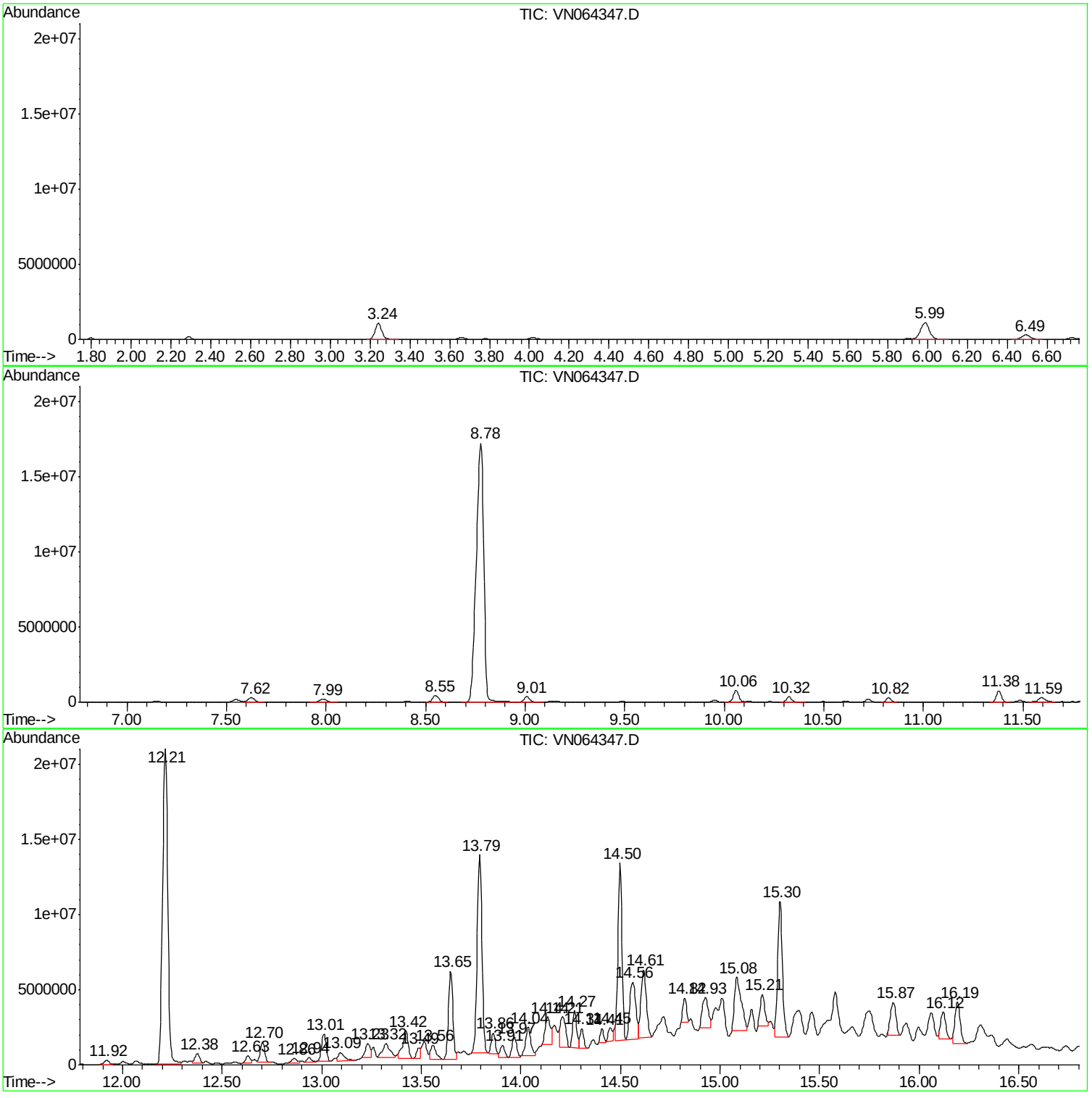
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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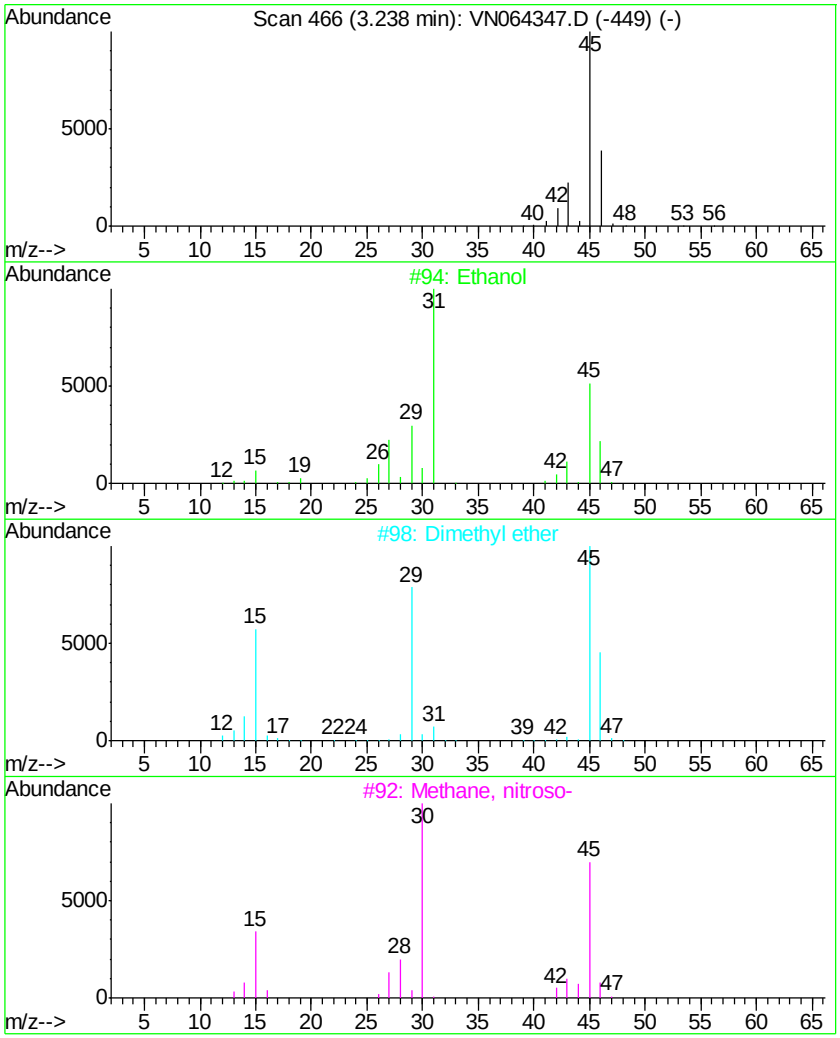
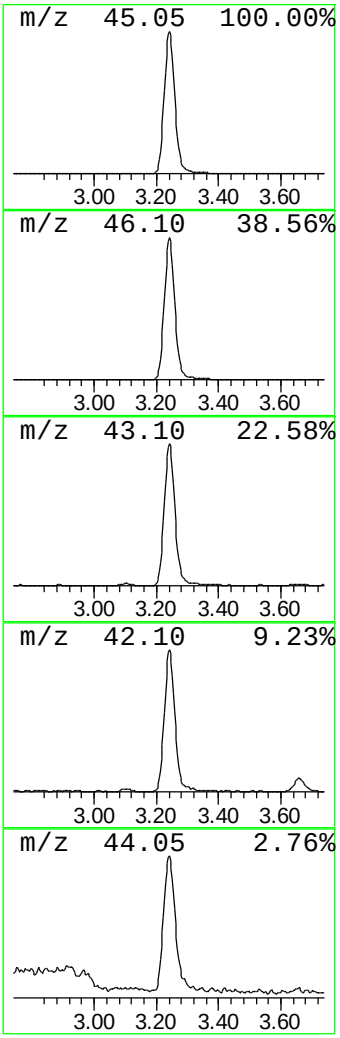
Peak Number 1 Ethanol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	181.37 ug/l	2579760	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	74
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Methane, nitroso-	45	CH3NO	000865-40-7	4
4	Formic acid	46	CH2O2	000064-18-6	4
5	Oxalic acid	90	C2H2O4	000144-62-7	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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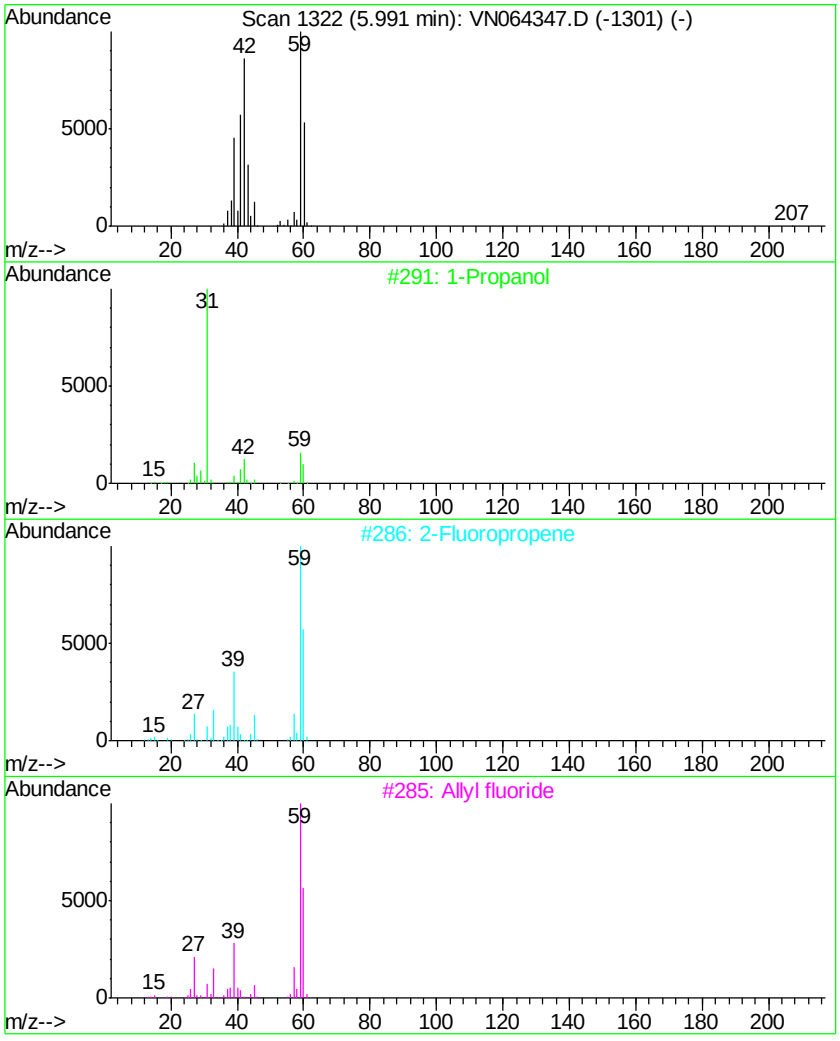
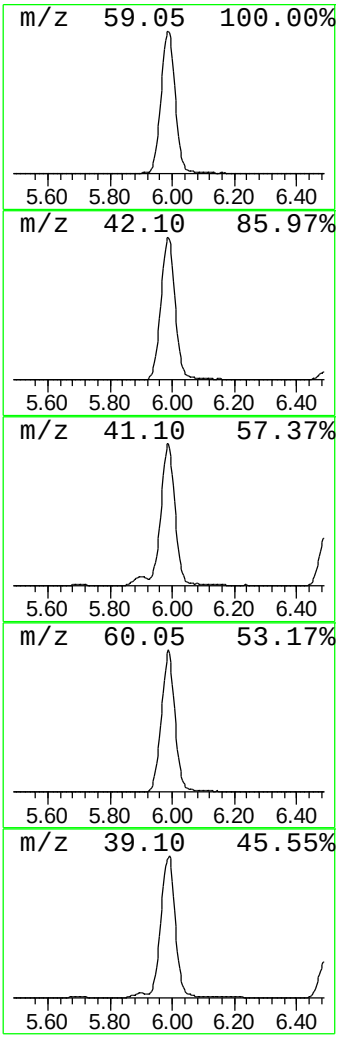
Peak Number 2 1-Propanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	240.96 ug/l	3427470	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol	60	C3H8O	000071-23-8	59
2	2-Fluoropropene	60	C3H5F	001184-60-7	52
3	Allyl fluoride	60	C3H5F	000818-92-8	38
4	Cyclopropane	42	C3H6	000075-19-4	25
5	Propene	42	C3H6	000115-07-1	17





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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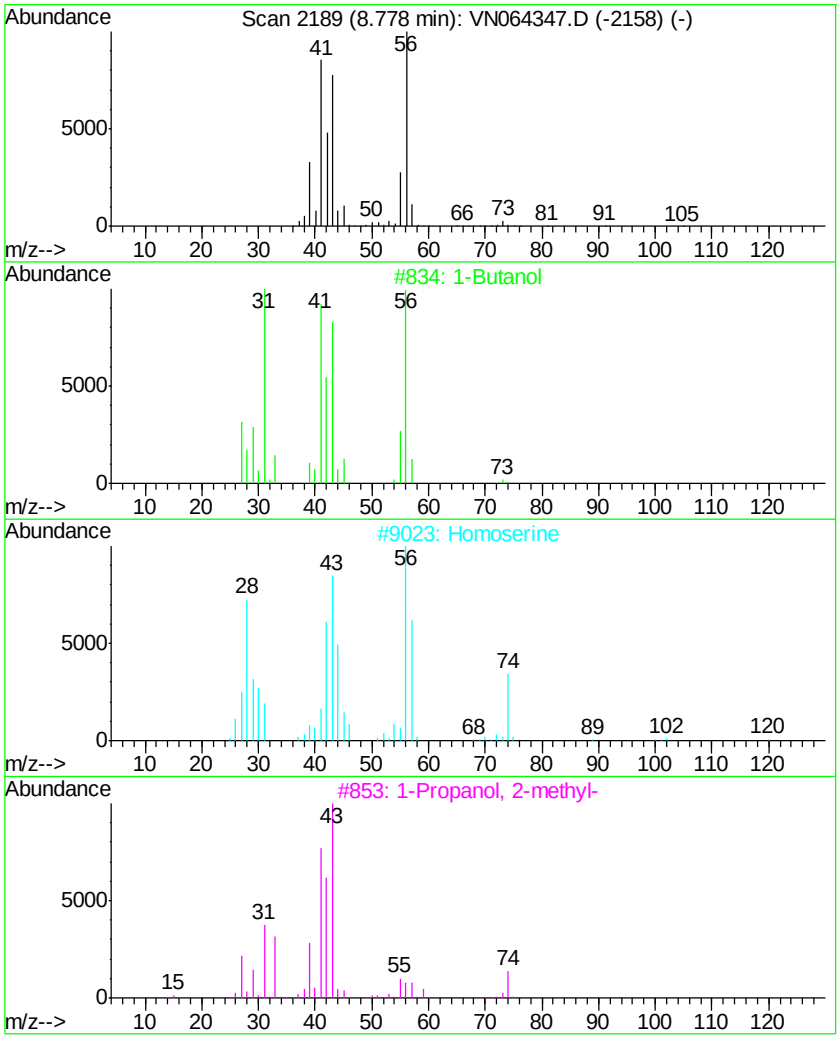
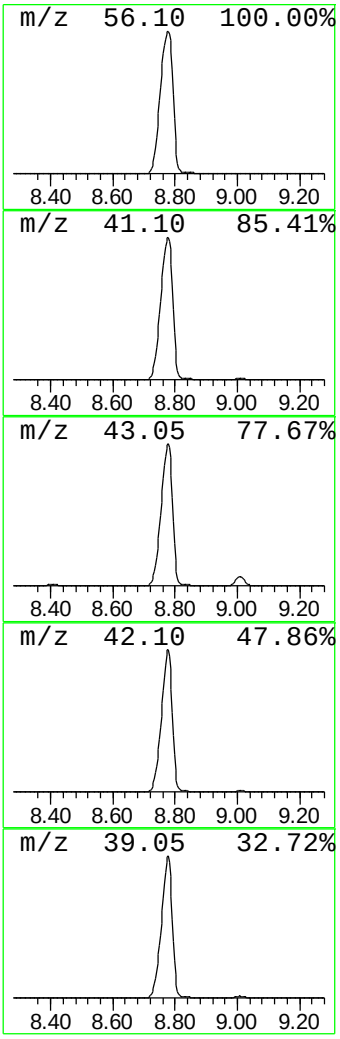
Peak Number 3 1-Butanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	2387.83 ug/l	45213600	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	91
2	Homoserine	119	C4H9NO3	000498-19-1	39
3	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	23
4	3-Buten-2-ol	72	C4H8O	000598-32-3	9
5	Butane, 1-chloro-	92	C4H9Cl	000109-69-3	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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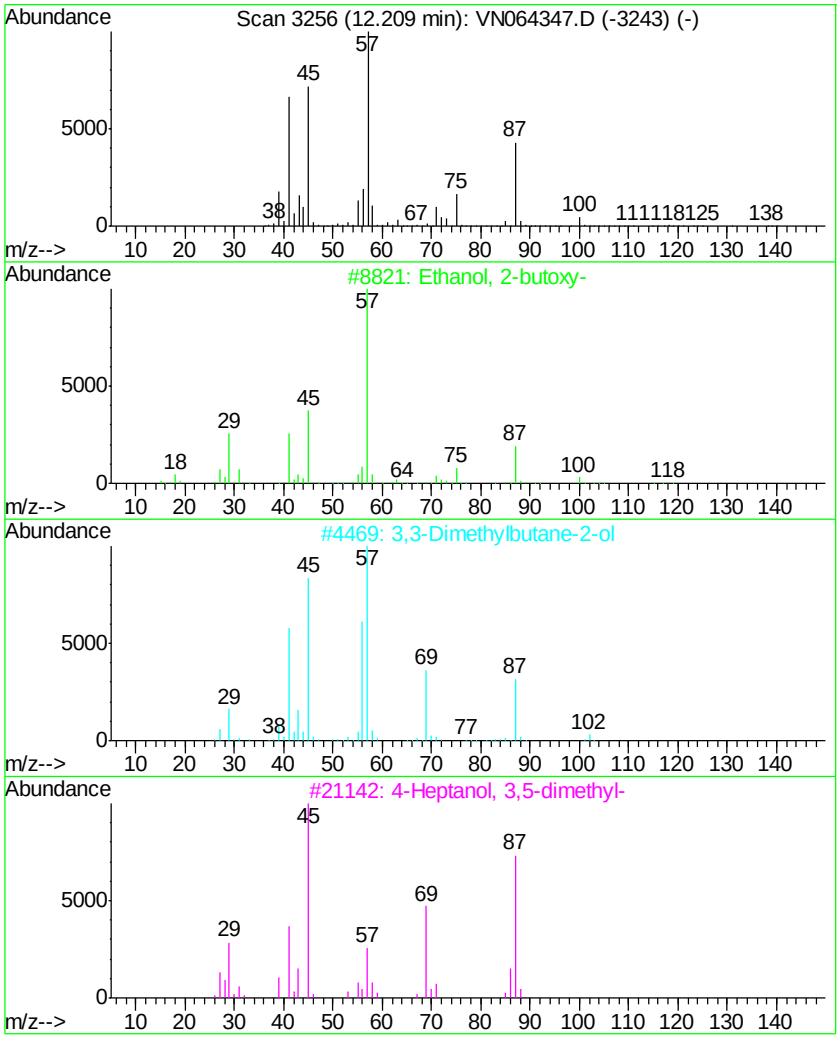
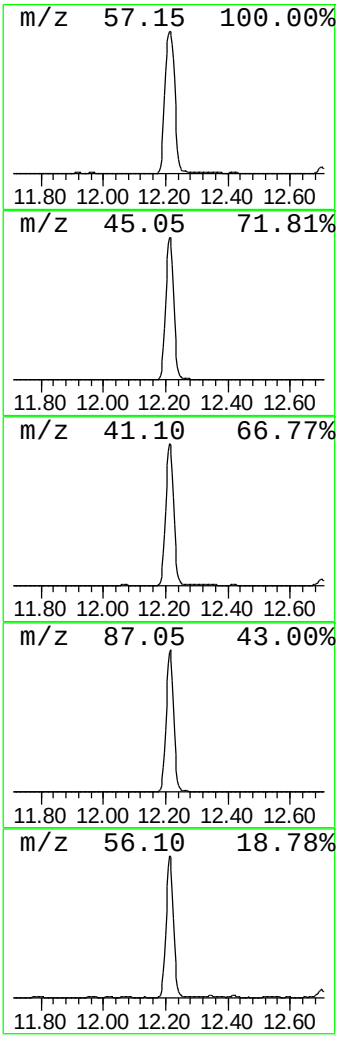
Peak Number 4 Ethanol, 2-butoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	1476.75 ug/l	38537900	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	72
2	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	53
3	4-Heptanol, 3,5-dimethyl-	144	C9H20O	019549-79-2	42
4	4,5-Octanediol, 3,6-dimethyl-	174	C10H22O2	1000153-21-1	40
5	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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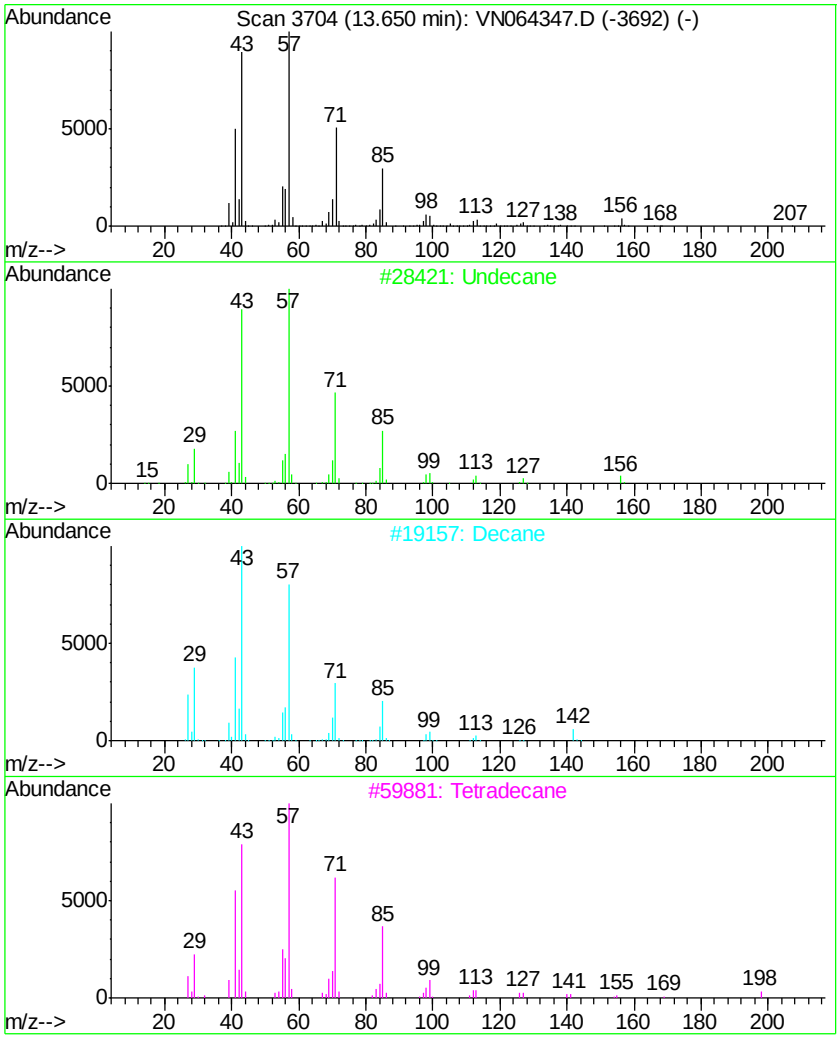
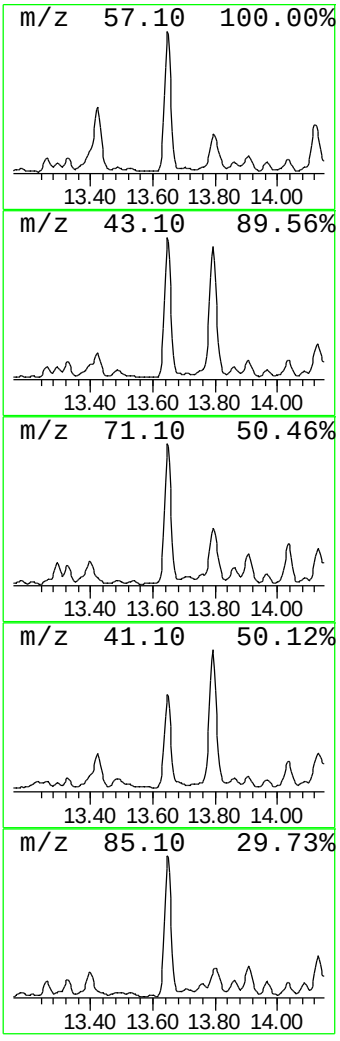
Peak Number 5 Undecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	191.82 ug/l	8855770	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Decane	142	C10H22	000124-18-5	91
3	Tetradecane	198	C14H30	000629-59-4	90
4	Tridecane	184	C13H28	000629-50-5	86
5	Hexadecane	226	C16H34	000544-76-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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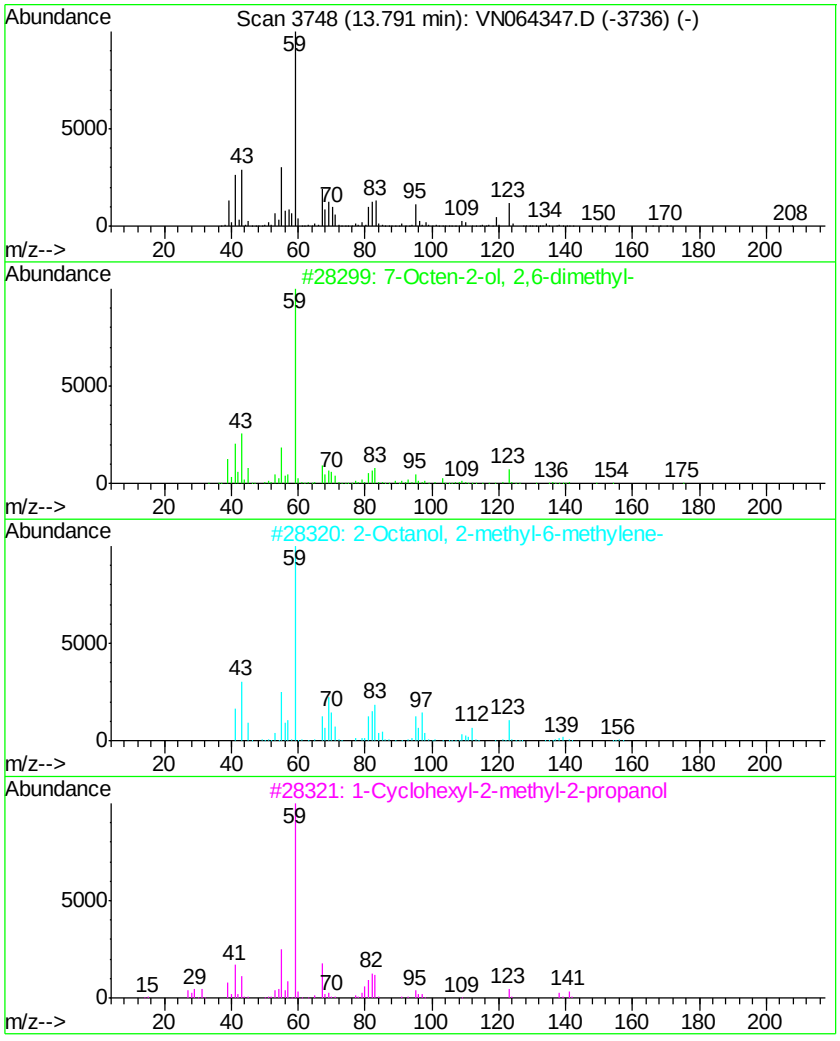
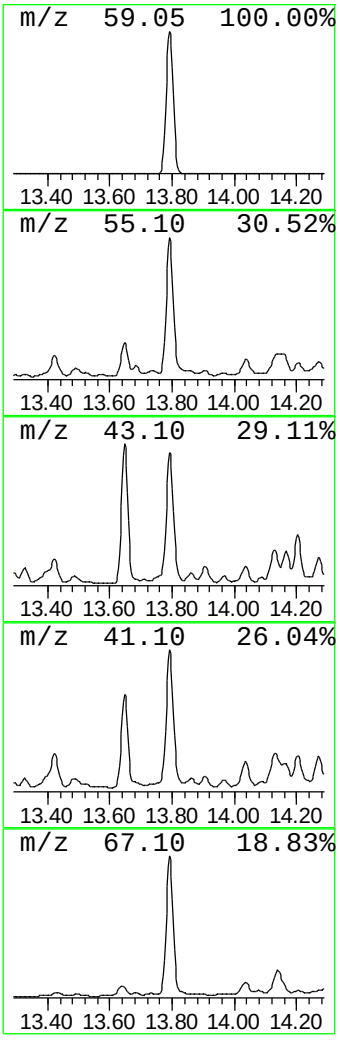
Peak Number 6 7-Octen-2-ol, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	474.10 ug/l	21887300	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	78
2	2-Octanol, 2-methyl-6-methylene-	156	C10H20O	018479-59-9	72
3	1-Cyclohexyl-2-methyl-2-propanol	156	C10H20O	005531-30-6	59
4	Cyclopentanemethanol, .alpha.,.a...	128	C8H16O	001462-06-2	53
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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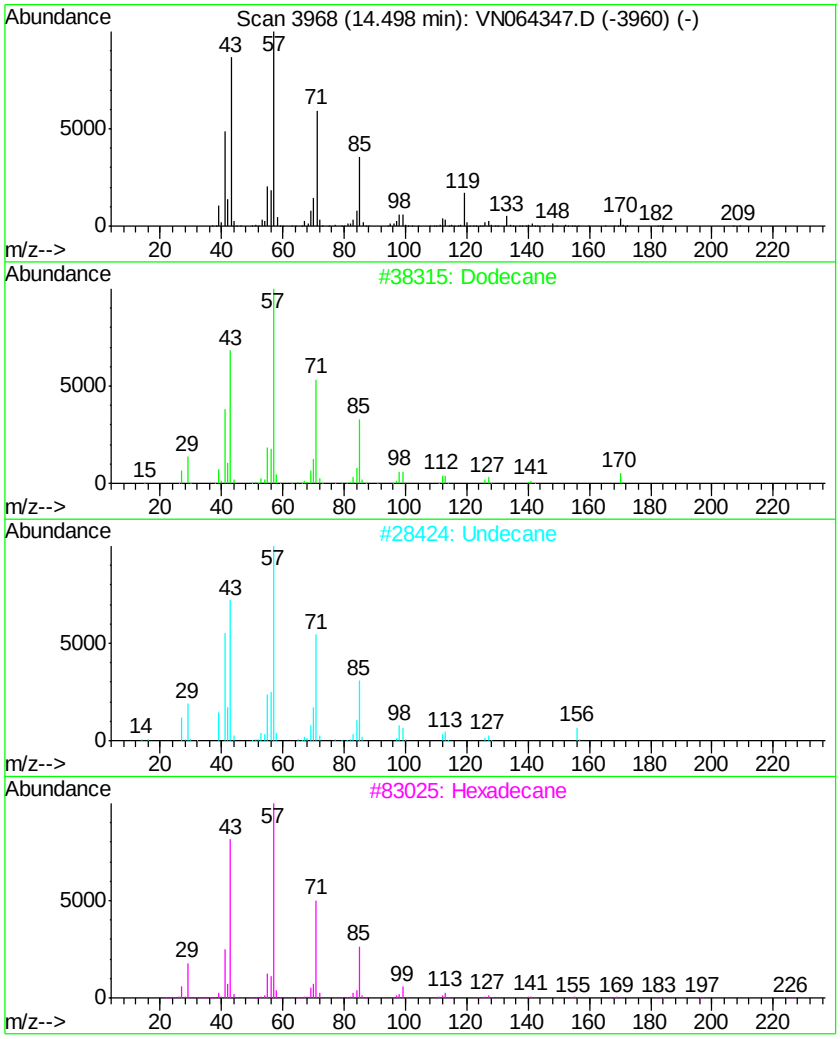
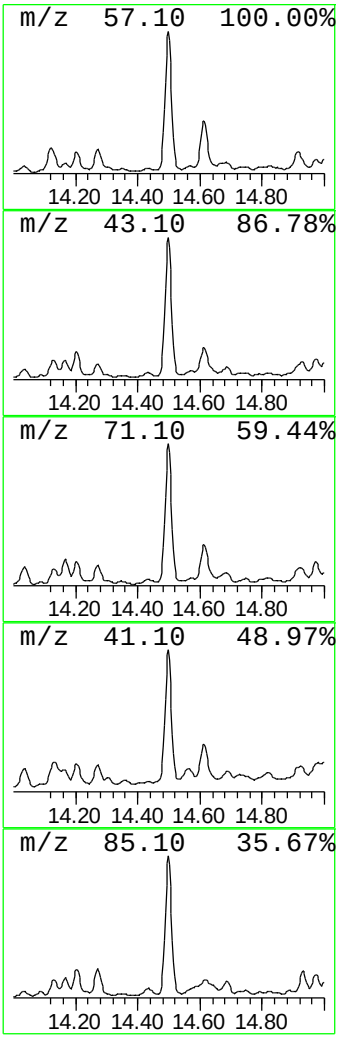
Peak Number 7 Dodecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	363.39 ug/l	16776400	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	95
2	Undecane	156	C11H24	001120-21-4	72
3	Hexadecane	226	C16H34	000544-76-3	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	Tridecane	184	C13H28	000629-50-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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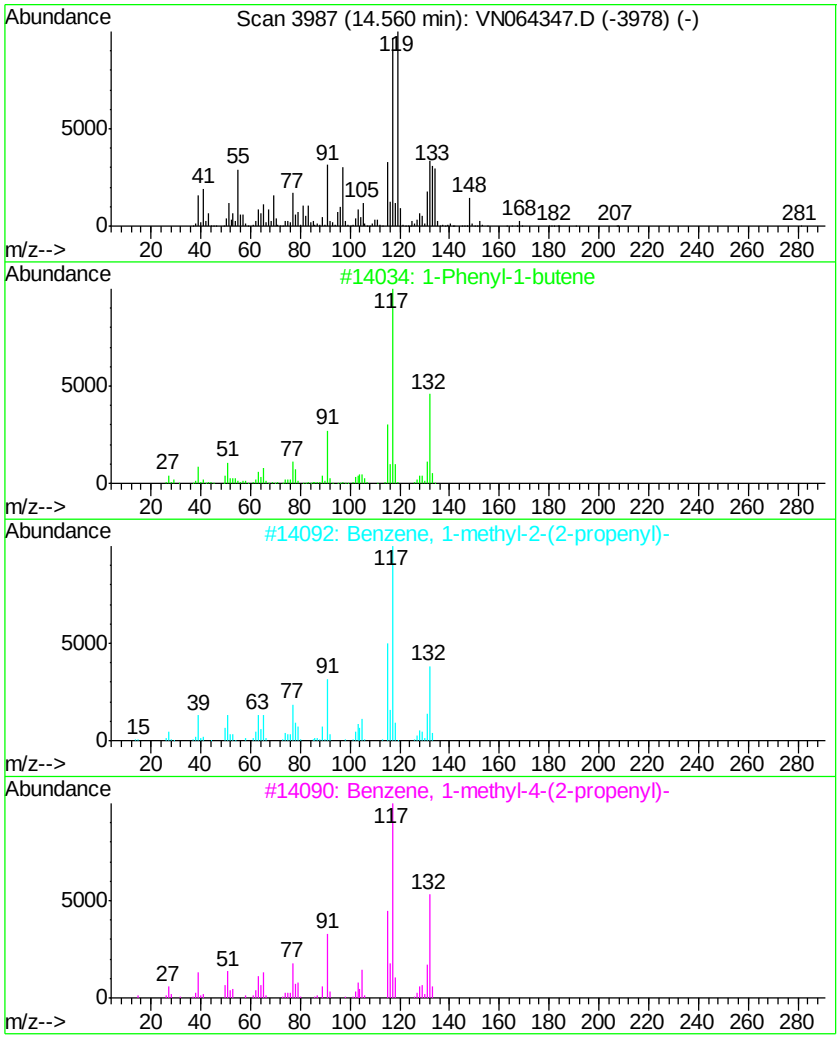
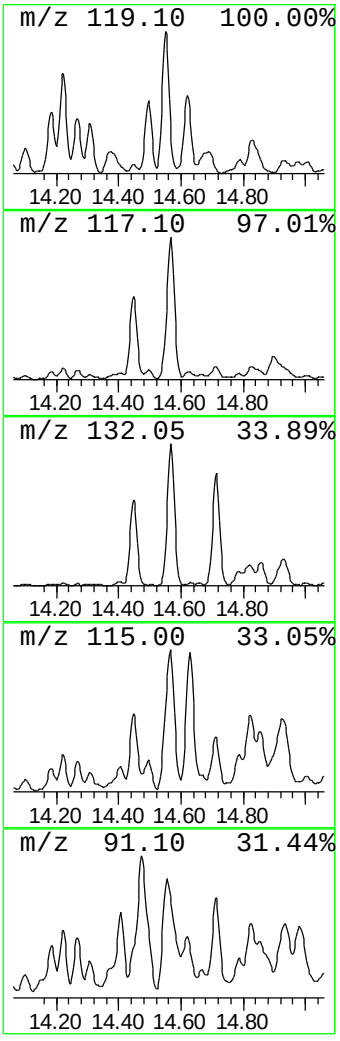
Peak Number 8 1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	177.58 ug/l	8198220	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	84
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	60
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	49
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

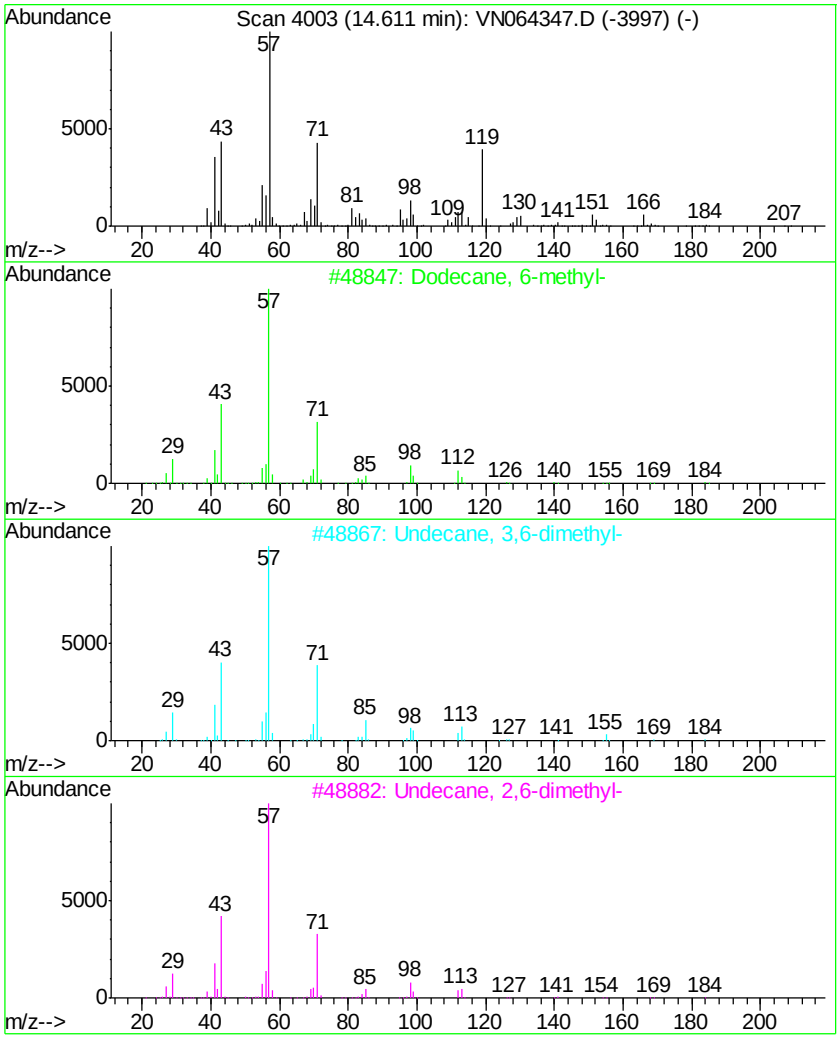
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

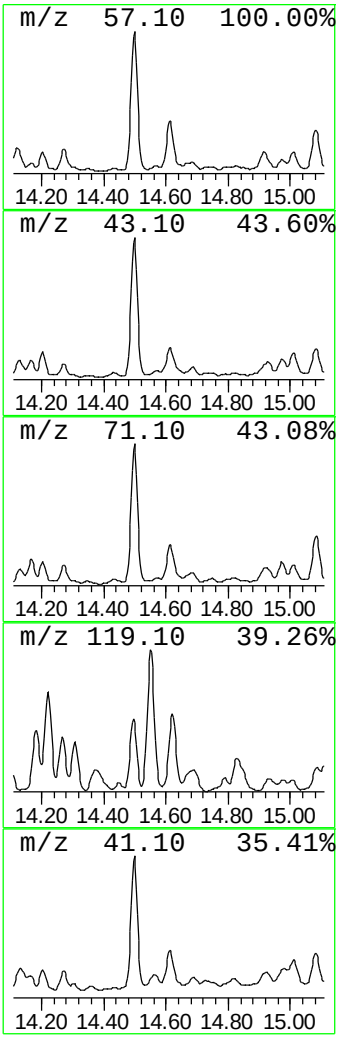
****

Peak Number 9 Dodecane, 6-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	181.90 ug/l	8397710	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	86
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	50
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	43
4	3-Hexanone, 2,2-dimethyl-	128	C8H16O	005405-79-8	35
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

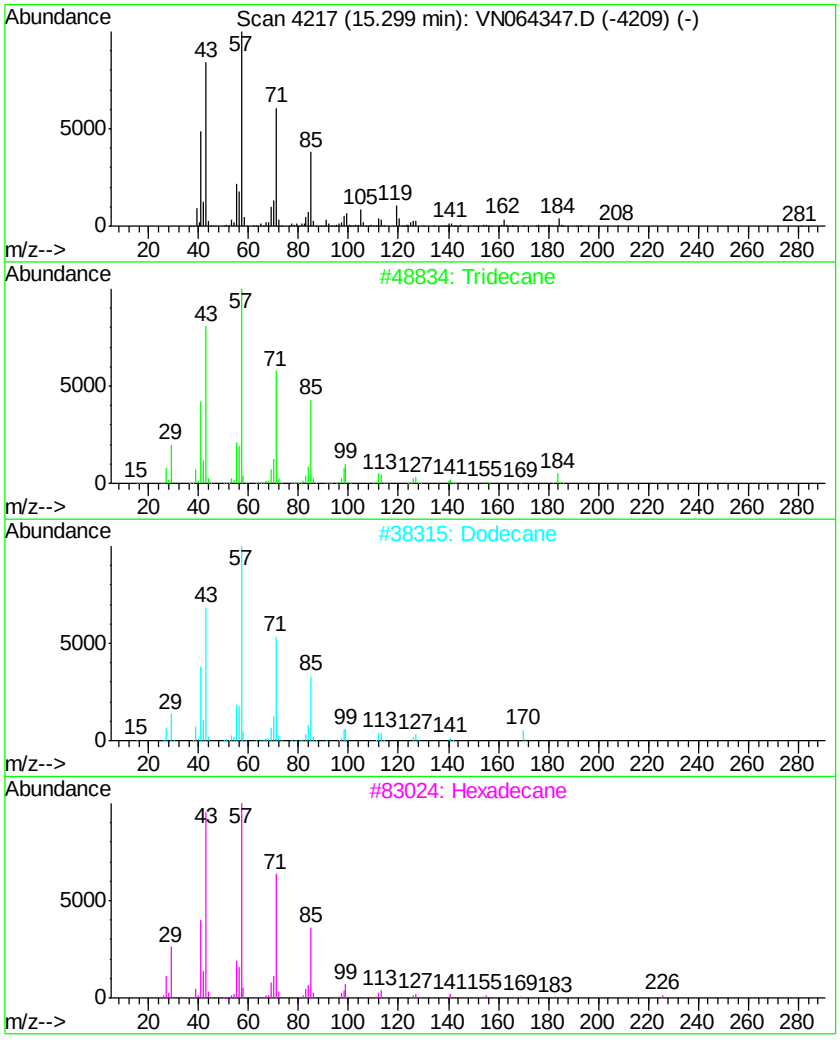
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

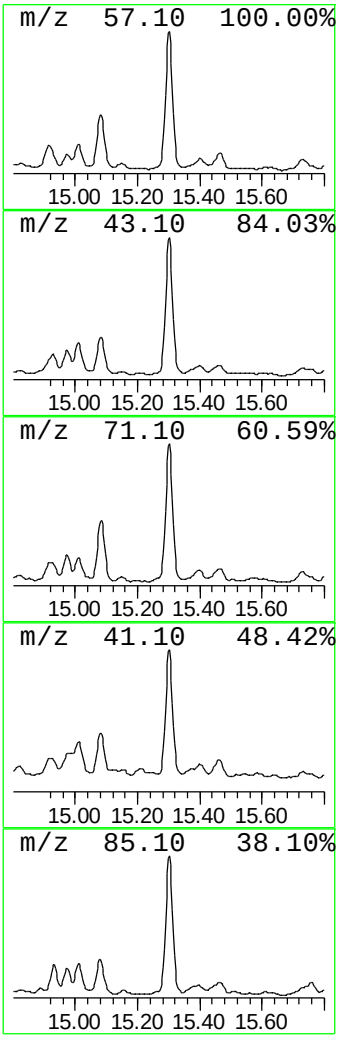
****

Peak Number 10 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	324.36 ug/l	14974500	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	97
2	Dodecane	170	C12H26	000112-40-3	86
3	Hexadecane	226	C16H34	000544-76-3	83
4	Tetradecane	198	C14H30	000629-59-4	78
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102820\
Data File : VN064347.D
Acq On : 28 Oct 2020 13:11
Operator : JC/MD
Sample : L4486-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 1814

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethanol	3.24	181.4	ug/l	2579760	1	7.63	711204	50.0
1-Propanol	5.99	241.0	ug/l	3427470	1	7.63	711204	50.0
1-Butanol	8.78	2387.8	ug/l	45213600	2	8.55	946750	50.0
Ethanol, 2-butoxy-	12.21	1476.8	ug/l	38537900	3	11.38	1304820	50.0
Undecane	13.65	191.8	ug/l	8855770	4	13.32	2308320	50.0
7-Octen-2-ol, 2,6...	13.79	474.1	ug/l	21887300	4	13.32	2308320	50.0
Dodecane	14.50	363.4	ug/l	16776400	4	13.32	2308320	50.0
1-Phenyl-1-butene	14.56	177.6	ug/l	8198220	4	13.32	2308320	50.0
Dodecane, 6-methyl-	14.61	181.9	ug/l	8397710	4	13.32	2308320	50.0
Tridecane	15.30	324.4	ug/l	14974500	4	13.32	2308320	50.0